

GFSK

2402MHz



8-DPSK

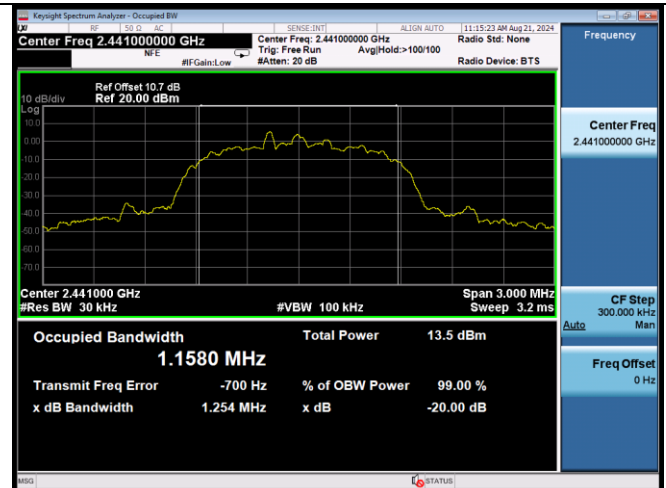
2402MHz



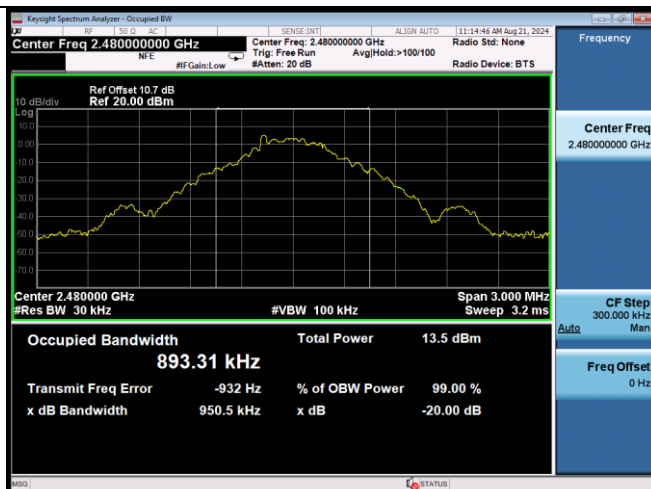
2441MHz



2441MHz



2480MHz



2480MHz



7. CARRIER FREQUENCY SEPARATION TEST

7.1. Test Equipments

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|---------------------|--------------|-------------------------|------------|-----------|---------------|
| 1. | PXA Signal Analyzer | Agilent | N9030A | MY51380221 | Mar.16,24 | 1 Year |
| 2. | RF Cable | Eastsheep | RM086-SMA/N-JJ -2000 | NO.1 | Jun.19,24 | 1 Year |
| 3. | Attenuator(10dB) | Agilent | 8491B | MY39269201 | Mar.16,24 | 1 Year |

7.2. Limit

Frequency hopping systems shall have hopping channel carrier frequency separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

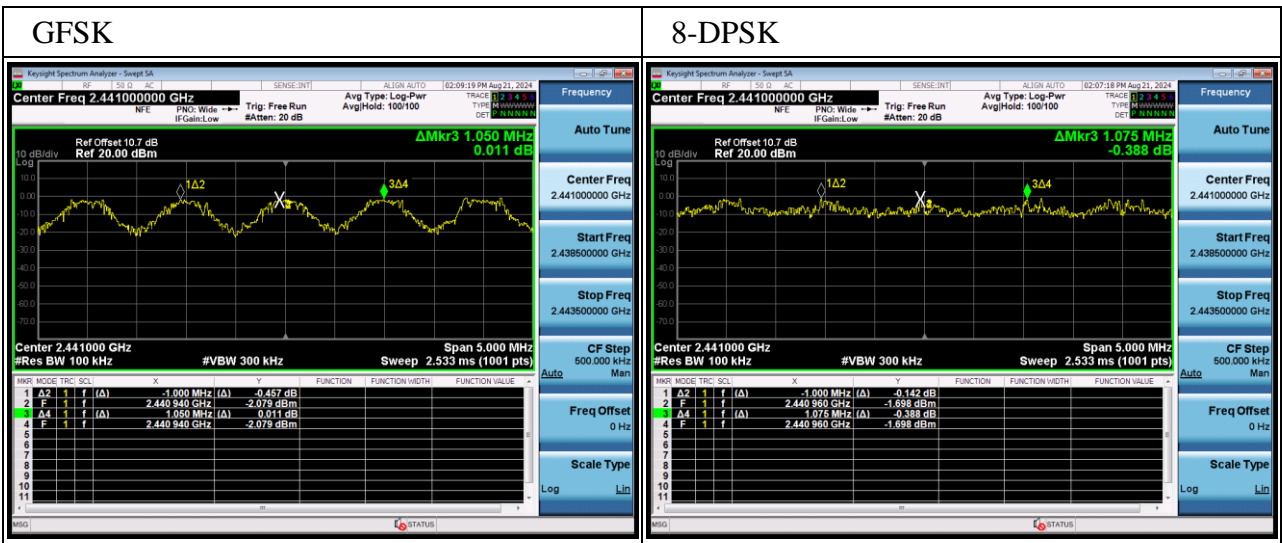
7.3. Test Procedure

Use the test method described in ANSI C63.10 clause 7.8.2:

1. Connect the antenna port of the EUT to the Spectrum analyzer.
2. Let the EUT working at hopping mode.
3. Setting of SA is following as: RBW: 100kHz / VBW: 300kHz.Span: 5MHz
4. Use the mark Delta function of the SA measure out the channel separation.

7.4. Test Results.

| | | | |
|----------------------------|-------------------------|-------------------------|-------------------------|
| EUT: Active Speaker System | | | |
| M/N: YY2088C1 | | | |
| Test date: 2024-08-21 | | Pressure: 101.3±1.0 kpa | Humidity: 52.4±3.0% |
| Tested by: Lili | | Test site: RF site | Temperature: 23.1±0.6°C |
| Test Mode | Channel Separation(MHz) | Limit(MHz) | Conclusion |
| GFSK | 1 | 0.639 | PASS |
| 8-DPSK | 1 | 0.839 | PASS |



8. NUMBER OF HOPPING FREQUENCY TEST

8.1. Test Equipments

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|---------------------|--------------|-------------------------|------------|-----------|---------------|
| 1. | PXA Signal Analyzer | Agilent | N9030A | MY51380221 | Mar.16,24 | 1 Year |
| 2. | RF Cable | Eastsheep | RM086-SMA/N-JJ -2000 | NO.1 | Jun.19,24 | 1 Year |
| 3. | Attenuator(10dB) | Agilent | 8491B | MY39269201 | Mar.16,24 | 1 Year |

8.2. Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels

8.3. Test Procedure

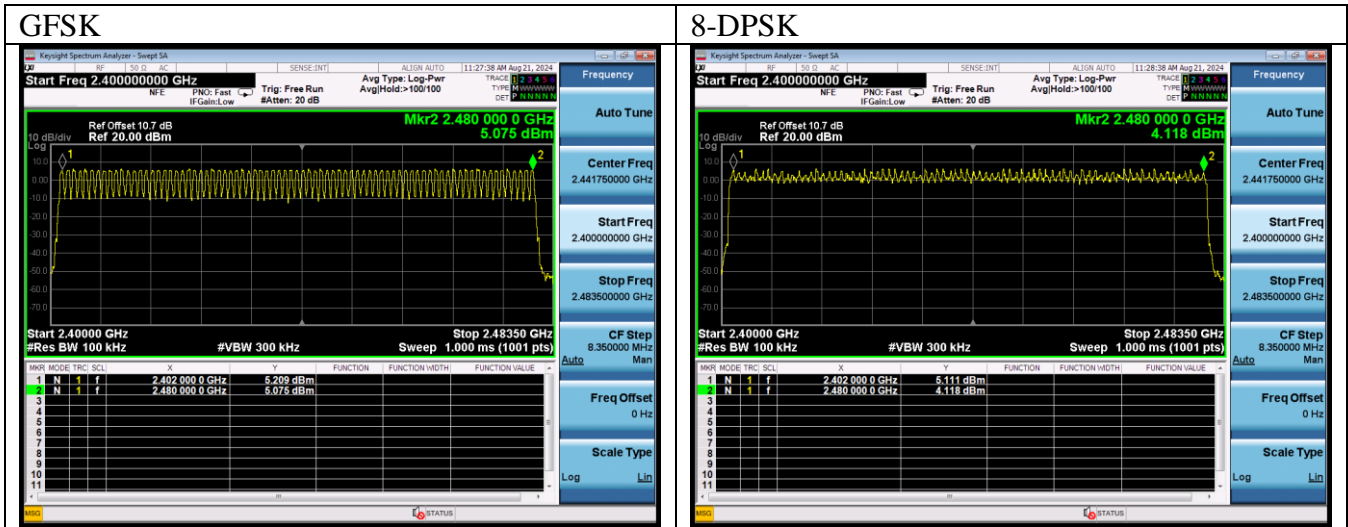
Use the test method described in ANSI C63.10 clause 7.8.3:

1. Connect the antenna of the EUT to Spectrum analyzer and let the EUT working at hopping mode.
 2. Setting of SA is following as: RBW: 100kHz / VBW: 300kHz,
Start frequency: 2390MHz
Stop frequency: 2483.5MHz
- And waiting for the hopping trace until stability, count out the number of the hopping.

8.4. Test Results

| | | |
|----------------------------|-------------------------|-------------------------|
| EUT: Active Speaker System | | |
| M/N: YY2088C1 | | |
| Test date: 2024-08-21 | Pressure: 101.3±1.0 kpa | Humidity: 52.4±3.0% |
| Tested by: Lili | Test site: RF site | Temperature: 23.1±0.6°C |

| Test Mode | Number of channel | Limit | Conclusion |
|-----------|-------------------|-------|------------|
| GFSK | 79 | ≥15 | PASS |
| 8-DPSK | 79 | ≥15 | PASS |



9. DWELL TIME TEST

9.1. Test Equipments

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|---------------------|--------------|-------------------------|------------|-----------|---------------|
| 1. | PXA Signal Analyzer | Agilent | N9030A | MY51380221 | Mar.16,24 | 1 Year |
| 2. | RF Cable | Eastsheep | RM086-SMA/N-J J-2000 | NO.1 | Jun.19,24 | 1 Year |
| 3. | Attenuator(10dB) | Agilent | 8491B | MY39269201 | Mar.16,24 | 1 Year |

9.2. Limit

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

9.3. Test Procedure

Use the test method described in ANSI C63.10 clause 7.8.4:

1. Connect the antenna of the EUT to Spectrum analyzer and let the EUT working at hopping mode.
2. Setting of SA is following as:
RBW: 100kHz / VBW: 300kHz
Sweep Mode: Single
Detect mode: Positive peak
Trace mode: Auto
Span: 0Hz
Sweep time: 5s and big enough to measure one hopping signal
3. Use below formula calculate the Dwell time
Dwell time=Hopping number per second*0.4*channel number*Pulse bandwidth per hopping.

9.4. Test Results

| | | |
|----------------------------|-------------------------|-------------------------|
| EUT: Active Speaker System | | |
| M/N: YY2088C1 | | |
| Test date: 2024-08-21 | Pressure: 101.3±1.0 kpa | Humidity: 52.4±3.0% |
| Tested by: Lili | Test site: RF site | Temperature: 23.1±0.6°C |

| Mode | | dwll time | Limit | Conclusion |
|--------|-------|---|--------|------------|
| GFSK | DH1 | 51 hops/5s*0.4s*79chanel* 0.429 ms =138.275ms | ≤400ms | PASS |
| | DH3 | 25 hops/5s*0.4s*79chanel* 1.668 ms =263.544ms | ≤400ms | PASS |
| | DH5 | 17 hops/5s*0.4s*79chanel* 2.935 ms =315.336ms | ≤400ms | PASS |
| 8-DPSK | 3-DH1 | 50 hops/5s*0.4s*79chanel* 0.429 ms =135.564ms | ≤400ms | PASS |
| | 3-DH3 | 26 hops/5s*0.4s*79chanel* 1.680 ms =276.058ms | ≤400ms | PASS |
| | 3-DH5 | 17 hops/5s*0.4s*79chanel* 2.935 ms =315.336ms | ≤400ms | PASS |

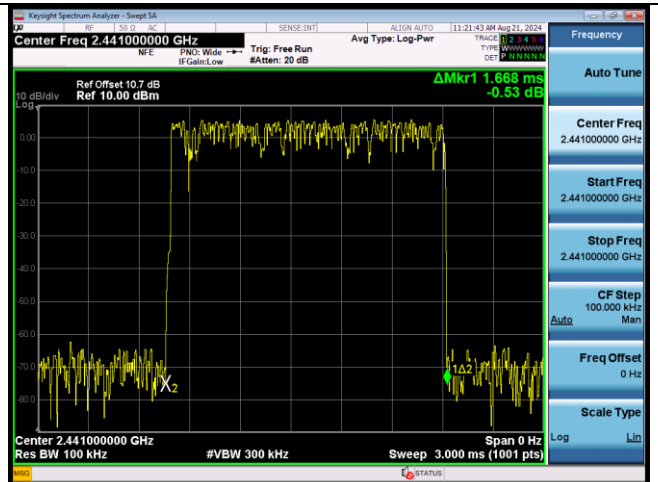
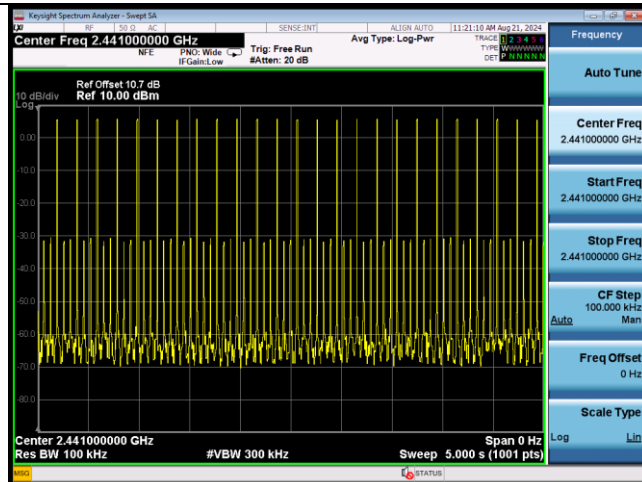
Note: All the lower levels were signaled from receiver and should not be considered in here.

GFSK

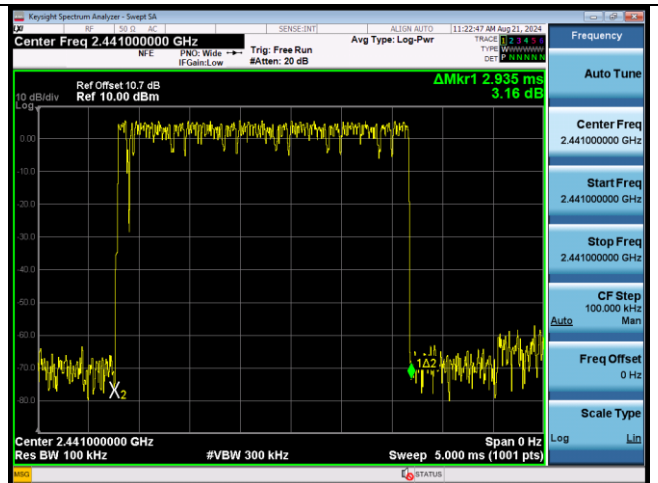
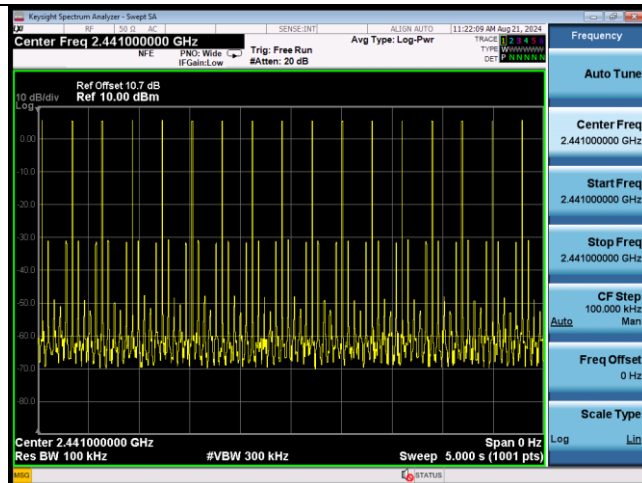
DH 1



DH 3

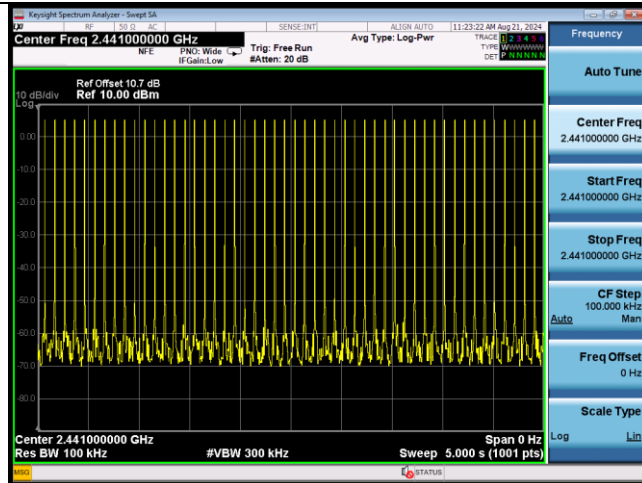


DH 5

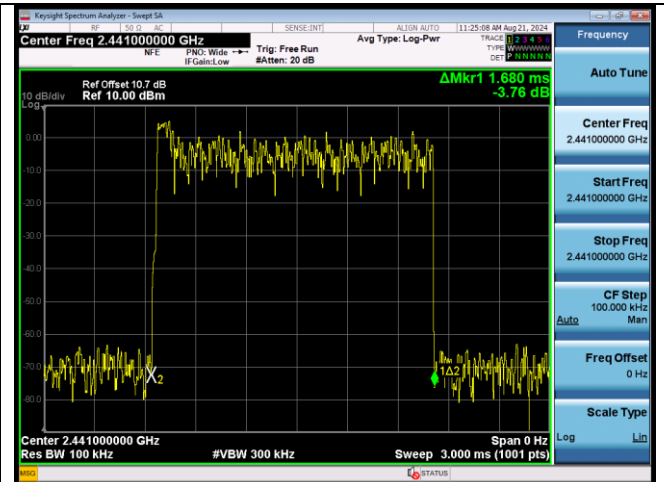
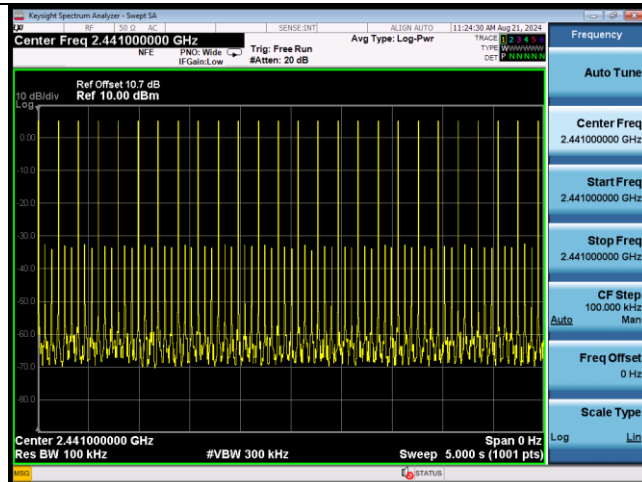


8-DPSK

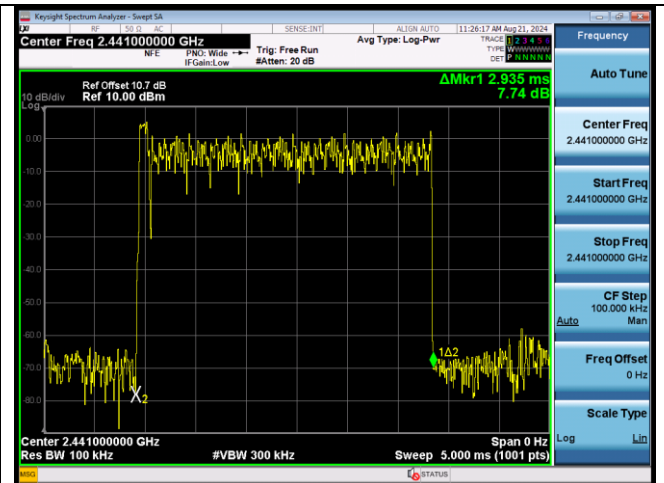
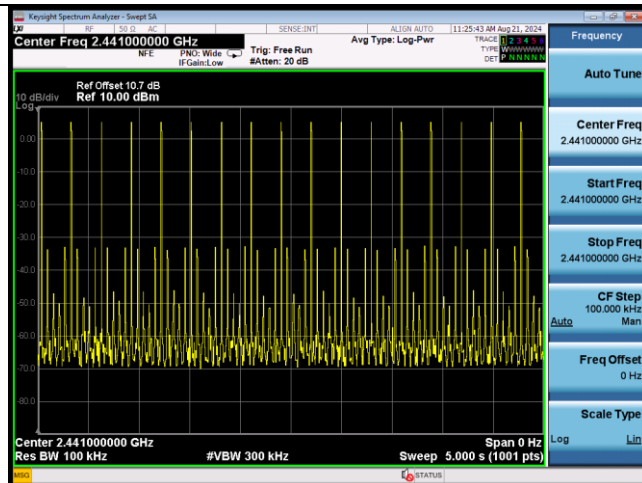
3DH 1



3DH 3



3DH 5



10. MAXIMUM PEAK OUTPUT POWER TEST

10.1. Test Equipments

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|---------------------|--------------|-------------------------|------------|-----------|---------------|
| 1. | PXA Signal Analyzer | Agilent | N9030A | MY51380221 | Mar.16,24 | 1 Year |
| 2. | RF Cable | Eastsheep | RM086-SMA/ N-JJ-2000 | NO.1 | Jun.19,24 | 1 Year |
| 3. | Attenuator(10dB) | Agilent | 8491B | MY39269201 | Mar.16,24 | 1 Year |

10.2. Limit

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts

10.3. Test Procedure

Use the test method described in ANSI C63.10 clause 11.9.1:
Connected the EUT's Antenna port to PXA signal analyzer;
For Peak output power: Connected the EUT's Antenna port to PXA signal analyzer.
For Average power: Connected the EUT's Antenna port to power meter.

10.4. Test Results

| | | |
|----------------------------|-------------------------|--------------------------|
| EUT: Active Speaker System | | |
| M/N: YY2088C1 | | |
| Test date: 2024-08-08 | Pressure: 102.4±1.0 kpa | Humidity: 54.7±3.0% |
| Tested by: Lili | Test site: RF site | Temperature: 23.6±0.6 °C |

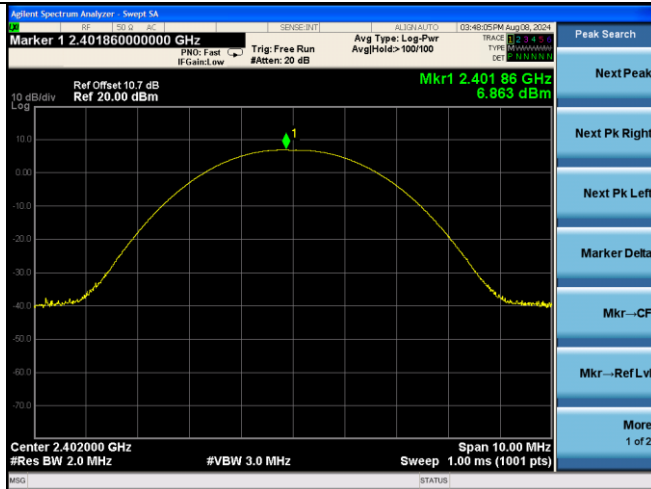
| Test Mode | Frequency (MHz) | Power Setting | Peak Output Power (dBm) | Average Power (dBm) (Without Duty cycle Factor) | Duty cycle Factor (dBm) | Average Power (dBm) (with Duty cycle Factor) | Limit (dBm) |
|-----------|-----------------|---------------|-------------------------|---|-------------------------|--|-------------|
| GFSK | 2402 | 6 | 6.863 | 4.871 | 1.05 | 5.921 | 21 |
| | 2441 | 6 | 6.659 | 4.720 | 1.05 | 5.770 | |
| | 2480 | 6 | 6.640 | 4.753 | 1.05 | 5.803 | |
| 8-DPSK | 2402 | 6 | 7.661 | 3.119 | 1.06 | 4.179 | 21 |
| | 2441 | 6 | 7.537 | 3.015 | 1.06 | 4.075 | |
| | 2480 | 6 | 7.464 | 3.158 | 1.06 | 4.218 | |

Conclusion: Pass

Remark: Duty cycle Factor=10*log(1/duty cycle)

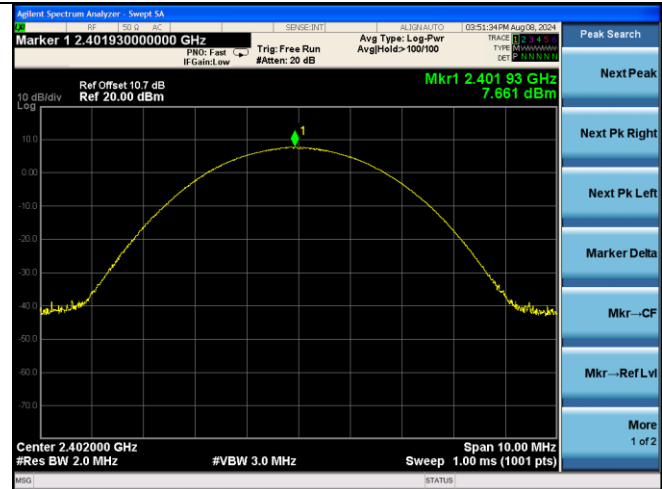
GFSK

2402MHz

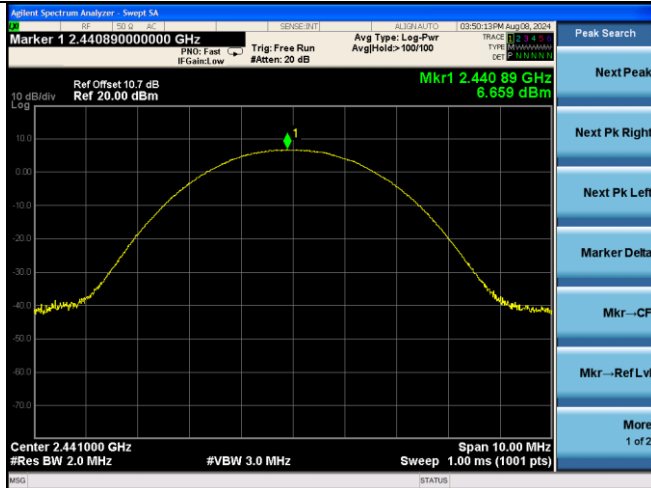


8-DPSK

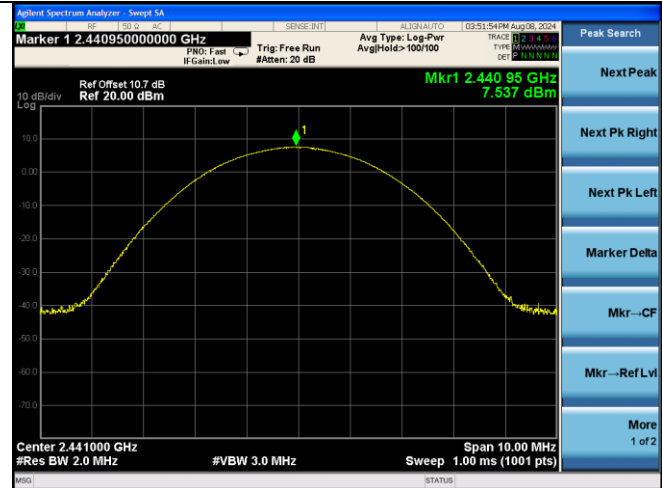
2402MHz



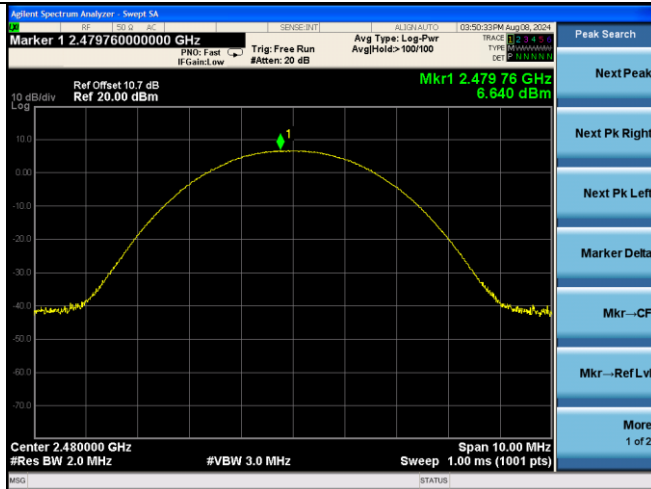
2441MHz



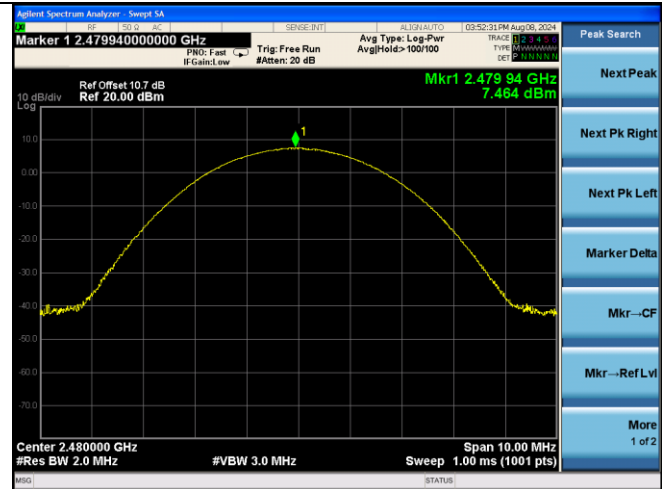
2441MHz



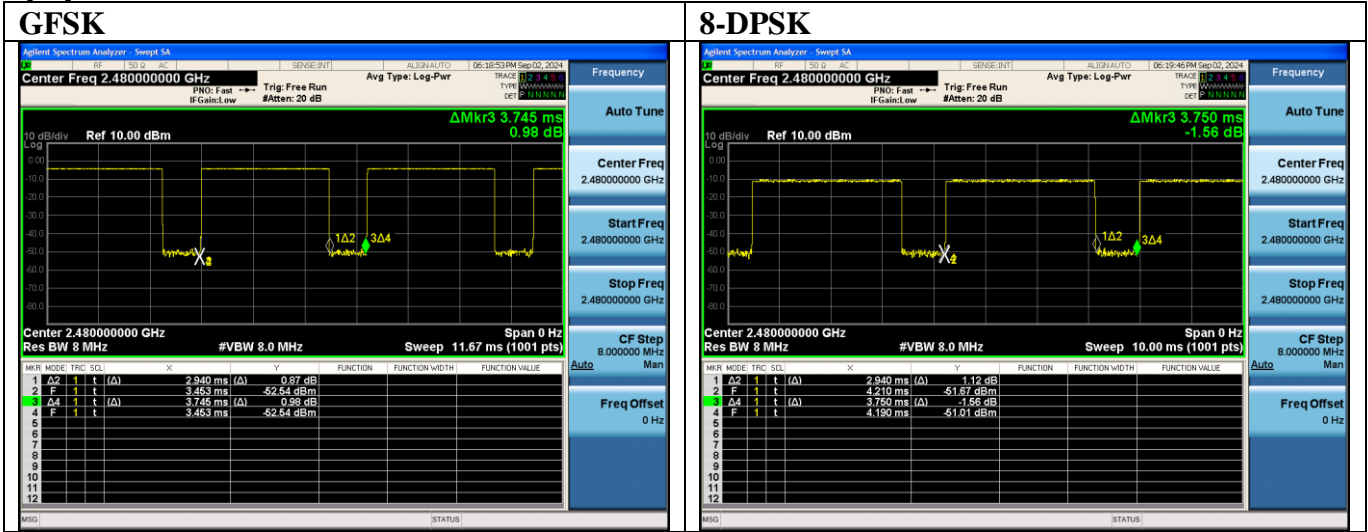
2480MHz



2480MHz



Duty cycle :



11. BAND EDGE COMPLIANCE TEST

11.1. Test Equipments

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|-----------------|-----------------|--------------------|------------|-----------|---------------|
| 1. | 3m Chamber(NSA) | AUDIX | N/A | N/A | Aug.11,22 | 3Year |
| 2. | 3m Chamber(SE) | AUDIX | N/A | N/A | Sep.16,22 | 3 Year |
| 3. | Signal Analyzer | Rohde & Schwarz | FSV40 | 101608 | Nov.07,23 | 1 Year |
| 4. | Amplifier | HP | 8447D | 2944A11159 | Mar.17,24 | 1 Year |
| 5. | RF Cable | TIMES MICROWAVE | SFT205-NMSM-10.00M | 689241 | Aug.13,24 | 1 Year |
| 6. | Test Software | AUDIX | e3 | 6.100913a | N/A | N/A |
| 7. | Horn Antenna | EMCO | 3115 | 9510-4580 | Jan.08,22 | 3 Year |

Note: N/A means Not applicable.

11.2. Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

11.3. Test Produce

Use the test method described in ANSI C63.10 clause 7.8.6:

For upper band emissions that are up to two bandwidths(2MHz) away (2483.5MHz to 2485.5MHz) from the band-edge use below produce:

1. Choose a spectrum analyzer span that encompasses both the peak of the fundamental emission and the band-edge emission under investigation. Set the analyzer RBW to 100KHz and with a video bandwidth 300KHz. Record the peak levels of the fundamental emission and the relevant band-edge emission, Observe the stored trace and measure the amplitude delta between the peak of the fundamental and the peak of the band-edge emission. This is not a field strength measurement, it is only a relative measurement to determine the amount by which the emission drops at the band edge relative to the highest fundamental emission level.
2. Subtract the delta measured in step (1) from the maximum field strengths measured in clause 4 .The resultant field strengths are then used to determine band-edge compliance as required by Section 15.205

For emissions above two bandwidths away from the band-edge use below produce:

1. The EUT is placed on a insulating material (up to 12mm thick) worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

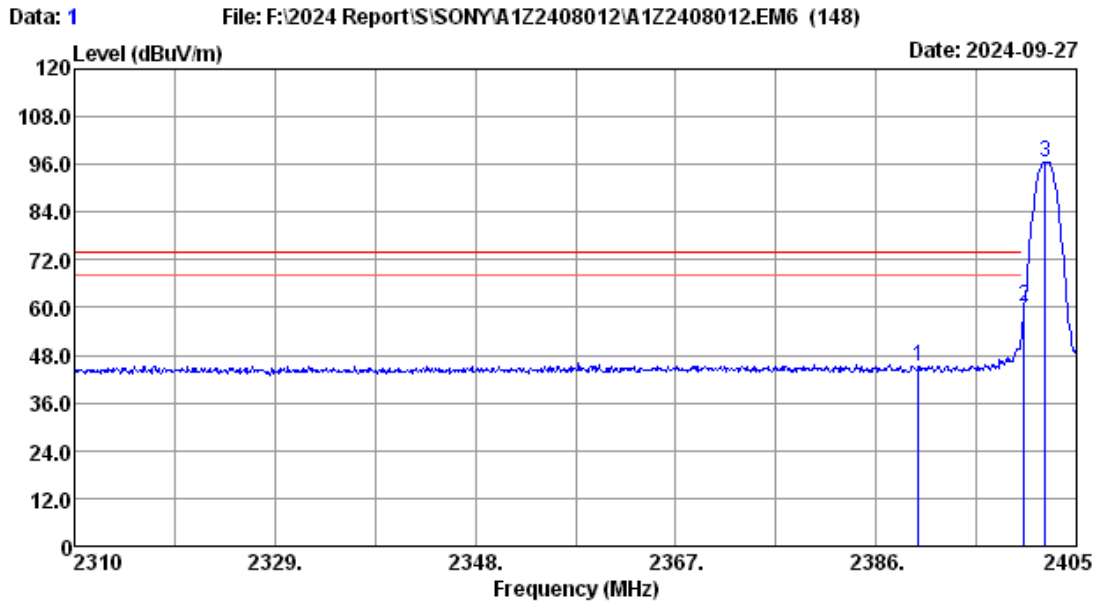
4. Set the spectrum analyzer in the following setting in order to capture the lower and upperband-edges of the emission:
 - (a) PEAK: RBW=1MHz ;VBW=3MHz, PK detector, Sweep=AUTO
 - (b) This is pulse Modulation device a duty cycle factor was used to calculate average level based measured peak level.

11.4. Test Results

Pass (The testing data was attached in the next pages.)

Note: If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.

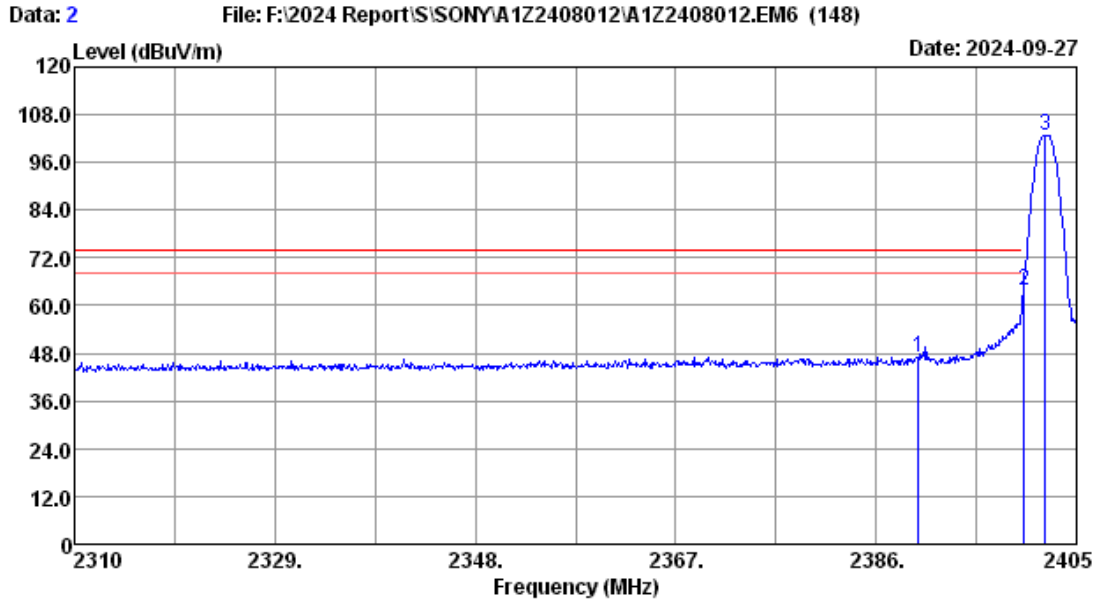
| Test Mode | ANT. PLO. | Frequency (MHz) | Peak(dBuv/m) | | Margin | Duty cycle factor (dB) | AV(dBuv/m) | | Margin | Conclusion |
|-----------|-----------|-----------------|----------------|-------|--------|------------------------|----------------|-------|--------|------------|
| | | | Emission Level | Limit | | | Emission Level | Limit | | |
| GFSK | H | 2390 | 45.28 | 74 | 28.72 | -21.162 | 24.118 | 54 | 29.882 | Pass |
| GFSK | V | 2390 | 47.08 | 74 | 26.92 | -21.162 | 25.918 | 54 | 28.082 | Pass |
| GFSK | H | 2483.5 | 45.88 | 74 | 28.12 | -21.162 | 24.718 | 54 | 29.282 | Pass |
| GFSK | H | 2500 | 44.01 | 74 | 29.99 | -21.162 | 22.848 | 54 | 31.152 | Pass |
| GFSK | V | 2483.5 | 49.98 | 74 | 24.02 | -21.162 | 28.818 | 54 | 25.182 | Pass |
| GFSK | V | 2500 | 45.39 | 74 | 28.61 | -21.162 | 24.228 | 54 | 29.772 | Pass |
| 8-DPSK | H | 2390 | 45.03 | 74 | 28.97 | -21.162 | 23.868 | 54 | 30.132 | Pass |
| 8-DPSK | V | 2390 | 45.72 | 74 | 28.28 | -21.162 | 24.558 | 54 | 29.442 | Pass |
| 8-DPSK | V | 2483.5 | 49.49 | 74 | 24.81 | -21.162 | 28.328 | 54 | 25.672 | Pass |
| 8-DPSK | V | 2500 | 44.97 | 74 | 29.03 | -21.162 | 23.808 | 54 | 30.192 | Pass |
| 8-DPSK | H | 2483.5 | 44.61 | 74 | 29.39 | -21.162 | 23.448 | 54 | 30.552 | Pass |
| 8-DPSK | H | 2500 | 44.56 | 74 | 29.44 | -21.162 | 23.398 | 54 | 30.602 | Pass |



Site no. : 3m Chamber Data no. : 1
 Dis. / Ant. : 3m 2022 3115-4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.8°C/53.9% Engineer : epoch
 Test Mode : BT3.0 GFSK 2402MHz TX Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2390.00 | 28.10 | 5.30 | 43.45 | 31.57 | 45.28 | 74.00 | 28.72 | Peak |
| 2 | 2400.00 | 28.10 | 5.32 | 58.25 | 31.57 | 60.10 | ----- | ----- | Peak |
| 3 | 2402.06 | 28.11 | 5.32 | 94.58 | 31.55 | 96.46 | ----- | ----- | Peak |

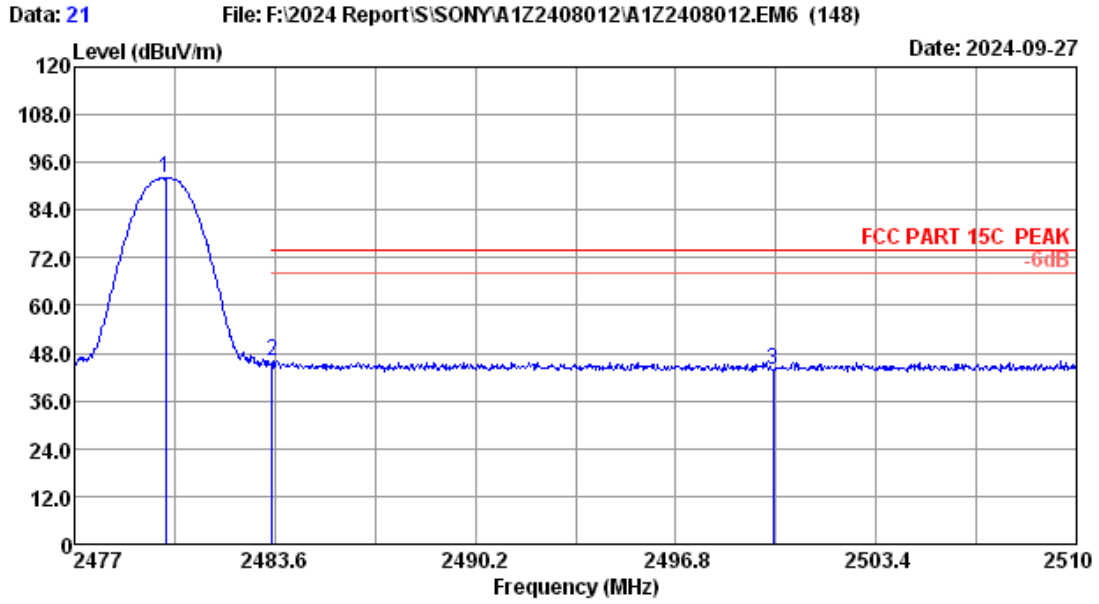
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2022 3115-4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.8°C/53.9% Engineer : epoch
 Test Mode : BT3.0 GFSK 2402MHz TX Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2390.00 | 28.10 | 5.30 | 45.38 | 31.70 | 47.08 | 74.00 | 26.92 | Peak |
| 2 | 2400.00 | 28.10 | 5.32 | 62.18 | 31.70 | 63.90 | ----- | ----- | Peak |
| 3 | 2402.06 | 28.11 | 5.32 | 101.11 | 31.70 | 102.84 | ----- | ----- | Peak |

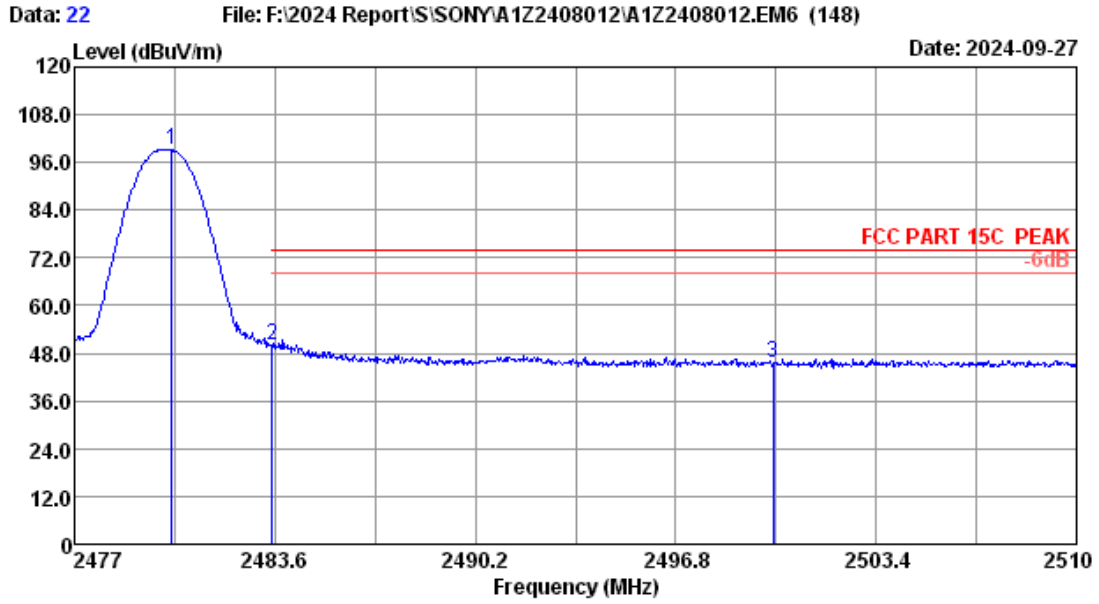
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2022 3115-4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.8°C/53.9% Engineer : epoch
 Test Mode : BT3.0 GFSK 2480MHz TX Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2480.00 | 28.30 | 5.41 | 90.03 | 31.66 | 92.08 | ----- | ----- | Peak |
| 2 | 2483.50 | 28.30 | 5.41 | 43.83 | 31.66 | 45.88 | 74.00 | 28.12 | Peak |
| 3 | 2500.00 | 28.30 | 5.44 | 41.92 | 31.65 | 44.01 | 74.00 | 29.99 | Peak |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.

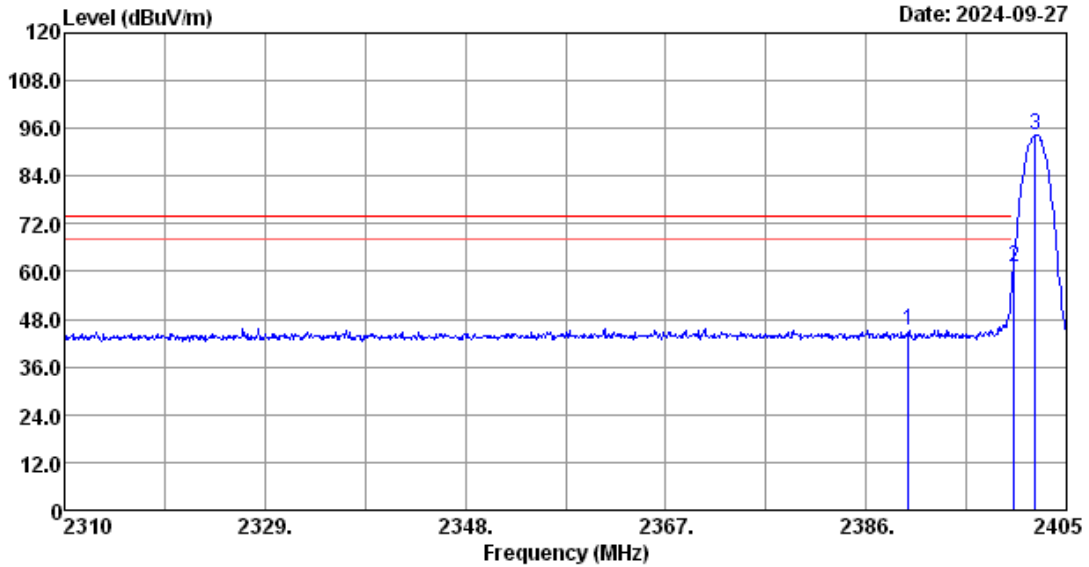


Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2022 3115-4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.8°C/53.9% Engineer : epoch
 Test Mode : BT3.0 GFSK 2480MHz TX Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2480.20 | 28.30 | 5.41 | 97.18 | 31.66 | 99.23 | ----- | ----- | Peak |
| 2 | 2483.50 | 28.30 | 5.41 | 47.93 | 31.66 | 49.98 | 74.00 | 24.02 | Peak |
| 3 | 2500.00 | 28.30 | 5.44 | 43.30 | 31.65 | 45.39 | 74.00 | 28.61 | Peak |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.

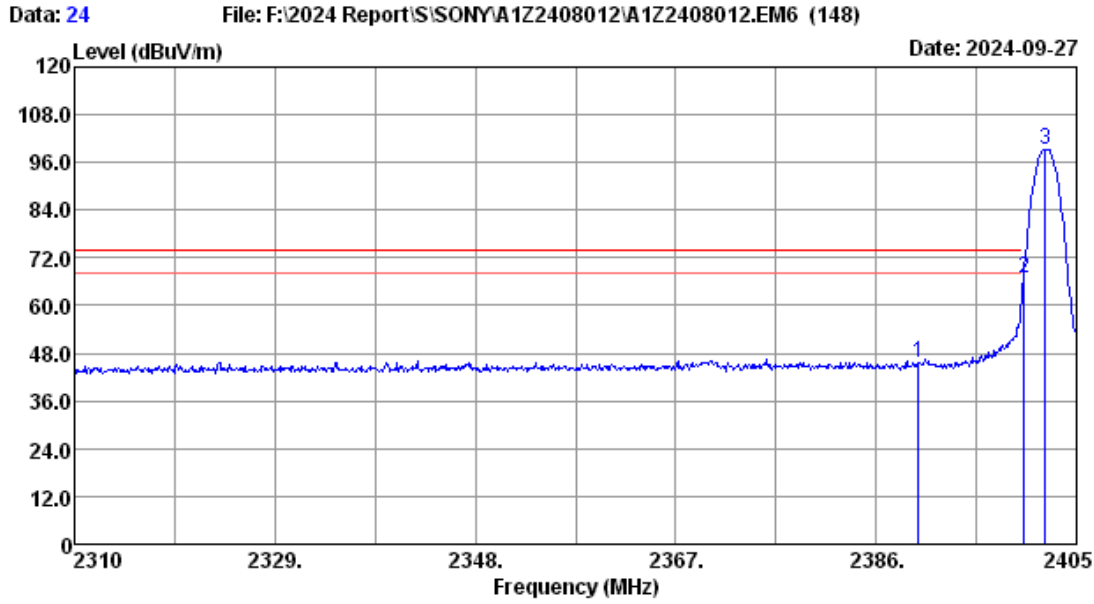
Data: 23 File: F:\2024 Report\SI\SONY\A1Z2408012\A1Z2408012.EM6 (148) Date: 2024-09-27



Site no. : 3m Chamber Data no. : 23
 Dis. / Ant. : 3m 2022 3115-4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.8°C/53.9% Engineer : epoch
 Test Mode : BT3.0 8-DPSK 2402MHz TX Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2390.00 | 28.10 | 5.30 | 43.33 | 31.70 | 45.03 | 74.00 | 28.97 | Peak |
| 2 | 2400.00 | 28.10 | 5.32 | 59.34 | 31.70 | 61.06 | ----- | ----- | Peak |
| 3 | 2402.06 | 28.11 | 5.32 | 92.72 | 31.70 | 94.45 | ----- | ----- | Peak |

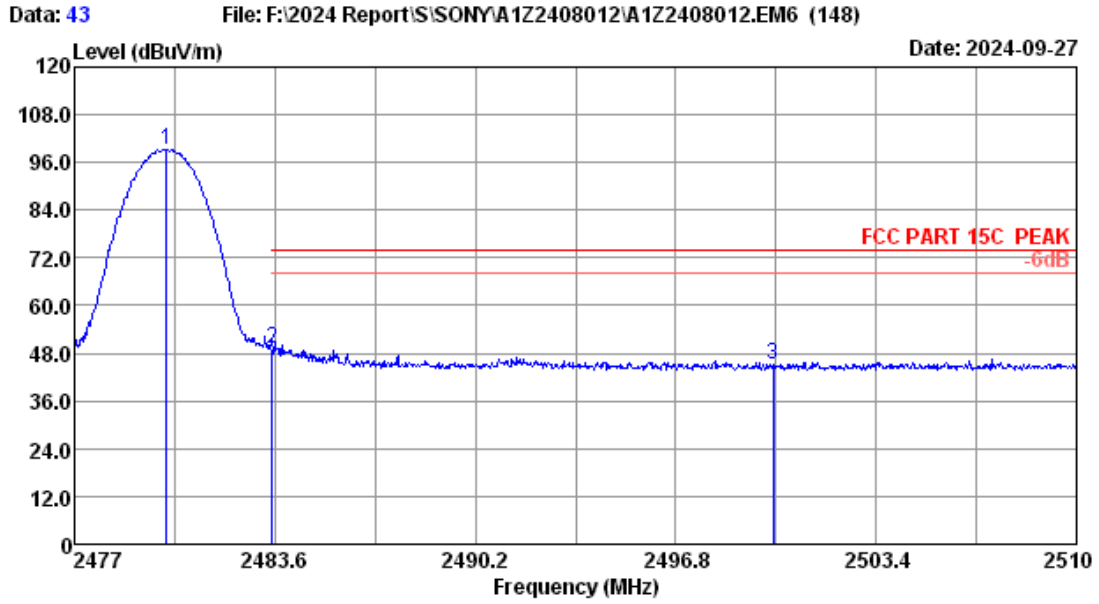
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2022 3115-4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.8°C/53.9% Engineer : epoch
 Test Mode : BT3.0 8-DPSK 2402MHz TX Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2390.00 | 28.10 | 5.30 | 44.02 | 31.70 | 45.72 | 74.00 | 28.28 | Peak |
| 2 | 2400.00 | 28.10 | 5.32 | 65.22 | 31.70 | 66.94 | ----- | ----- | Peak |
| 3 | 2402.06 | 28.11 | 5.32 | 97.60 | 31.70 | 99.33 | ----- | ----- | Peak |

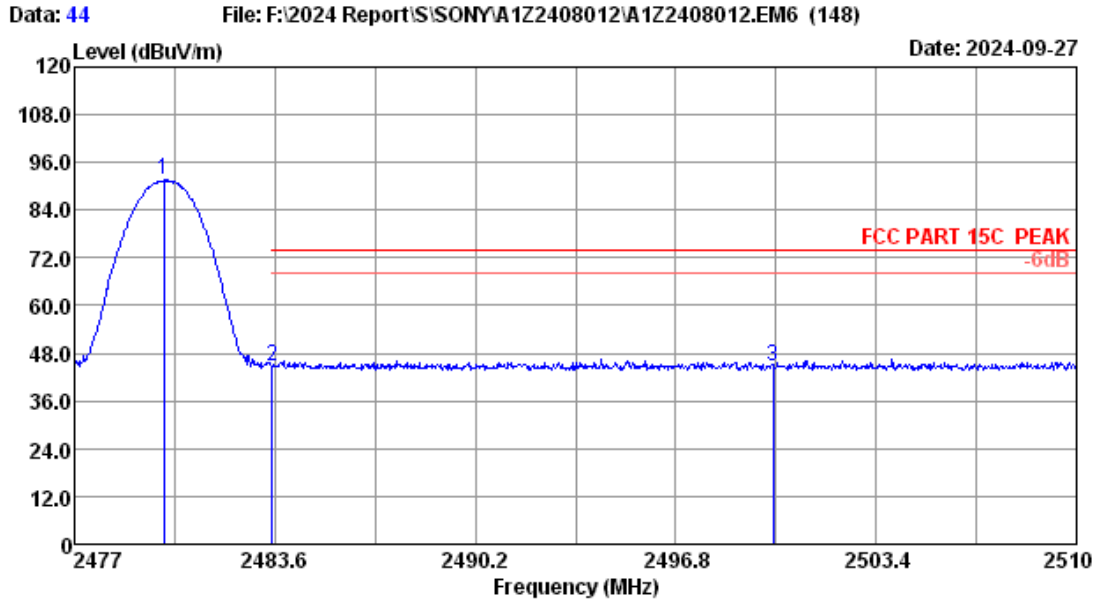
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 43
 Dis. / Ant. : 3m 2022 3115-4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.8°C/53.9% Engineer : epoch
 Test Mode : BT3.0 8-DPSK 2480MHz TX Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2480.04 | 28.30 | 5.41 | 97.35 | 31.66 | 99.40 | ----- | ----- | Peak |
| 2 | 2483.50 | 28.30 | 5.41 | 47.14 | 31.66 | 49.19 | 74.00 | 24.81 | Peak |
| 3 | 2500.00 | 28.30 | 5.44 | 42.88 | 31.65 | 44.97 | 74.00 | 29.03 | Peak |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2022 3115-4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.8°C/53.9% Engineer : epoch
 Test Mode : BT3.0 8-DPSK 2480MHz TX Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2479.94 | 28.30 | 5.41 | 89.52 | 31.66 | 91.57 | ----- | ----- | Peak |
| 2 | 2483.50 | 28.30 | 5.41 | 42.56 | 31.66 | 44.61 | 74.00 | 29.39 | Peak |
| 3 | 2500.00 | 28.30 | 5.44 | 42.47 | 31.65 | 44.56 | 74.00 | 29.44 | Peak |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.

12. ANTENNA REQUIREMENT

12.1. Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

12.2. Antenna Connected Construction

The antennas used for this product are PCB Antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 2.1dBi.

13.DEVIATION TO TEST SPECIFICATIONS

[NONE]

..... **THE END**