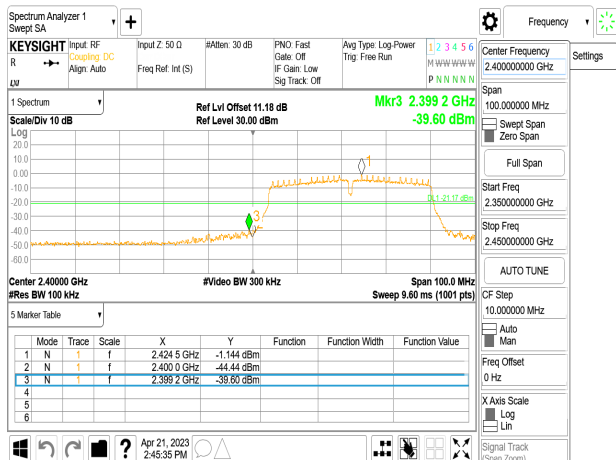
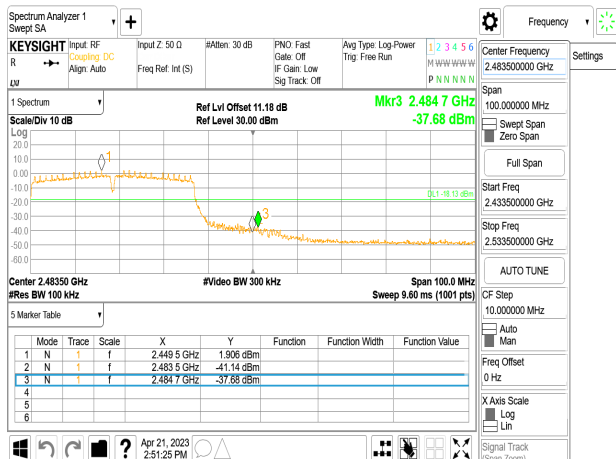


802.11n_40MHz_Chain0_2422MHz



802.11n_40MHz_Chain0_2452MHz



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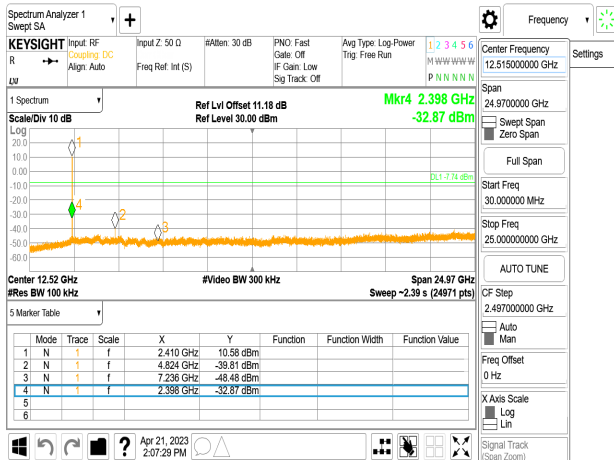
t (886-2) 2299-3279

f (886-2) 2298-0488

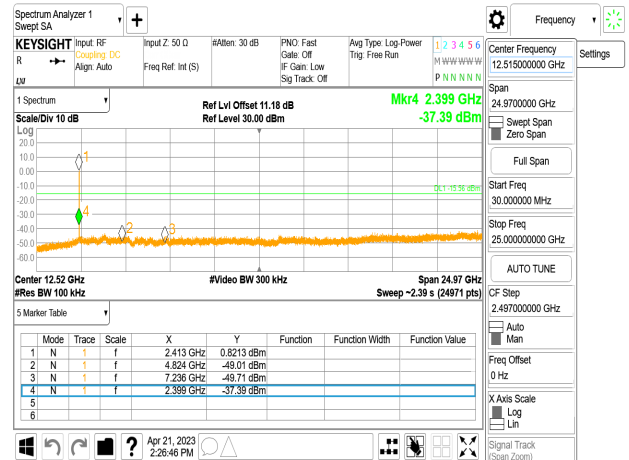
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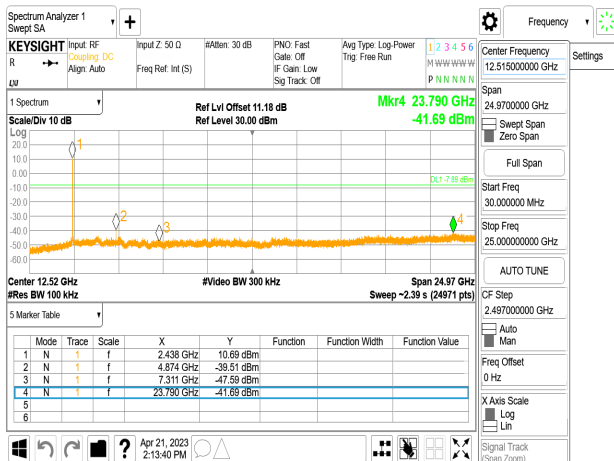
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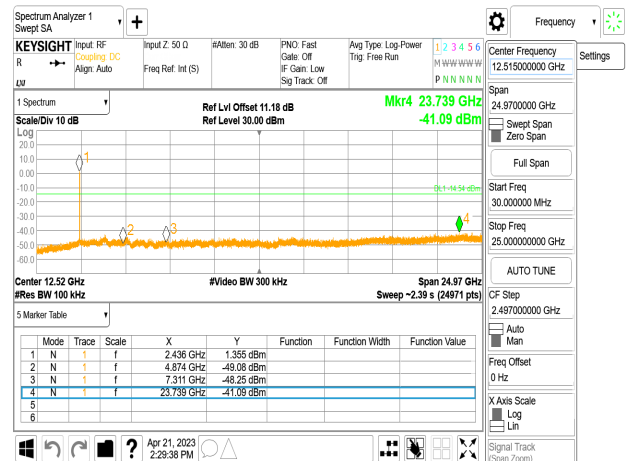
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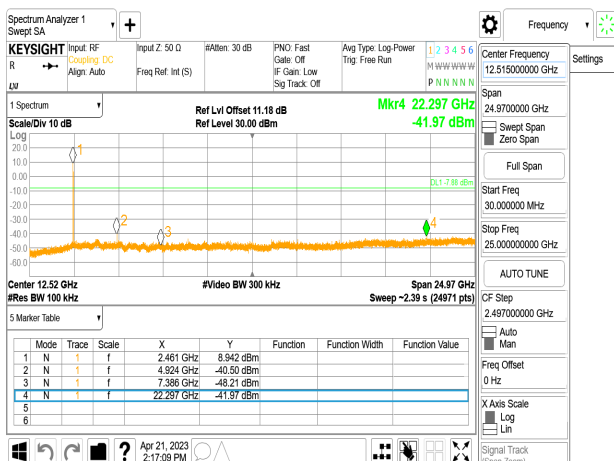
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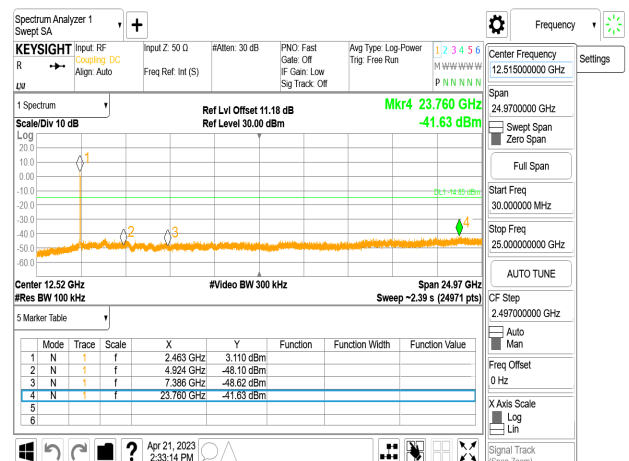
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802.11b_20MHz_Chain0_2462MHz



802.11g_20MHz_Chain0_2462MHz

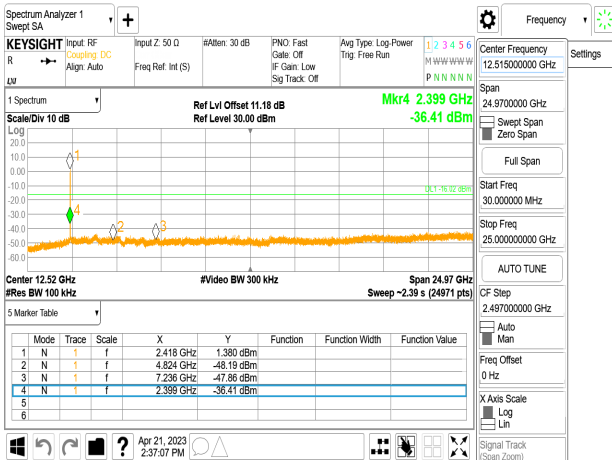


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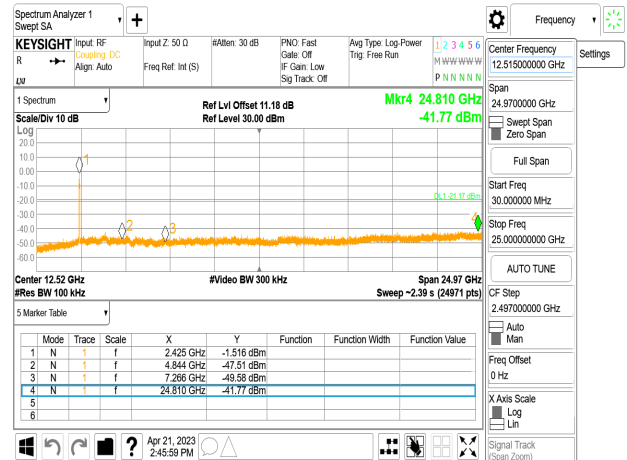
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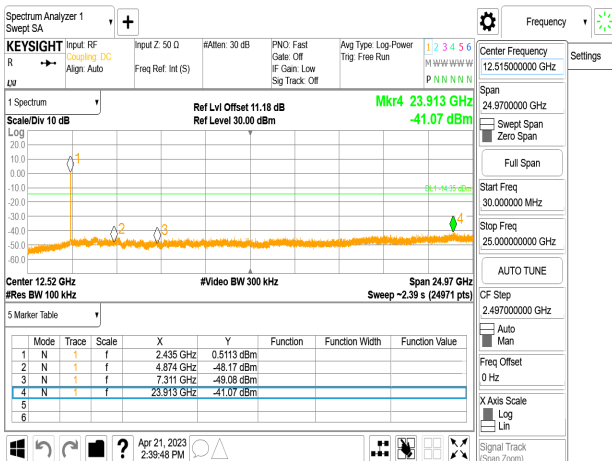
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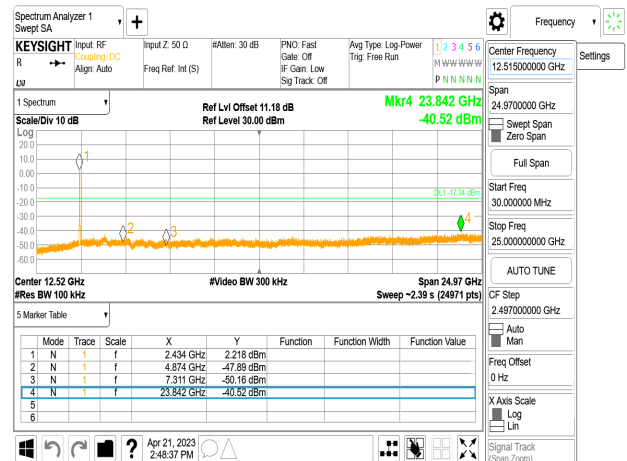
802.11n_40MHz_Chain0_2422MHz



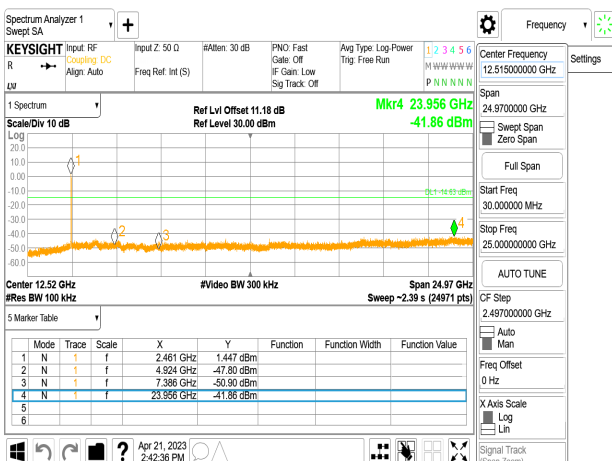
802.11n_20MHz_Chain0_2437MHz



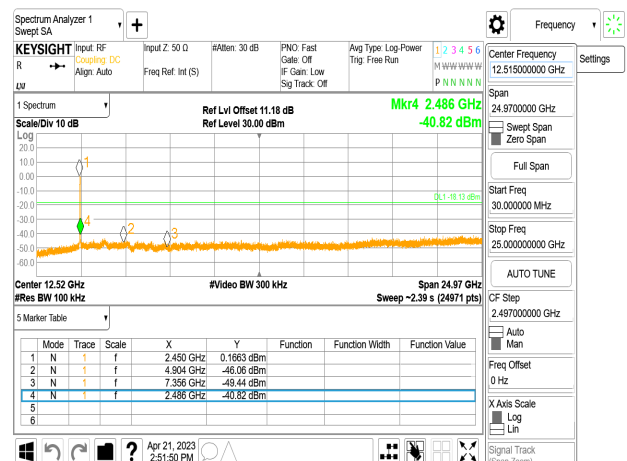
802.11n_40MHz_Chain0_2437MHz



802.11n_20MHz_Chain0_2462MHz



802.11n_40MHz_Chain0_2452MHz



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11 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

11.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below.

And according to §15.33(a) (1) & RSS-Gen §6.13.2.a, for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

| Frequency (MHz) | Field strength (microvolts/meter) | Distance (meters) |
|-----------------|-----------------------------------|-------------------|
| 0.009-0.490 | 2400/F(kHz) | 300 |
| 0.490-1.705 | 24000/F(kHz) | 30 |
| 1.705-30 | 30 | 30 |
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| Above 960 | 500 | 3 |

Note:

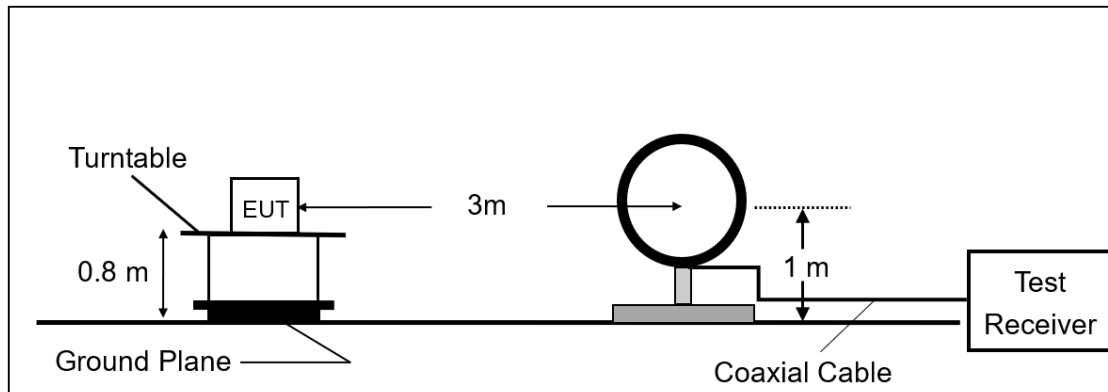
1. The lower limit shall apply at the transition frequencies.

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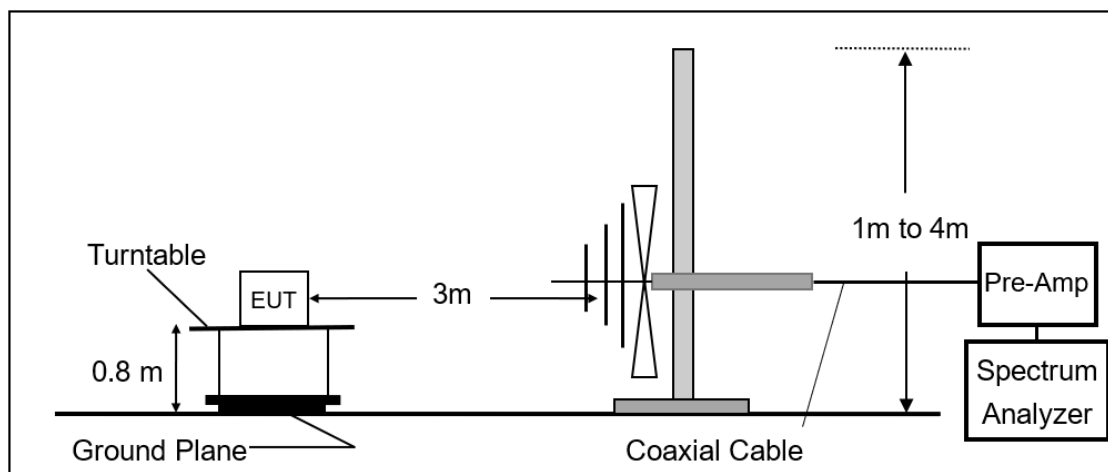
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11.2 Test Setup

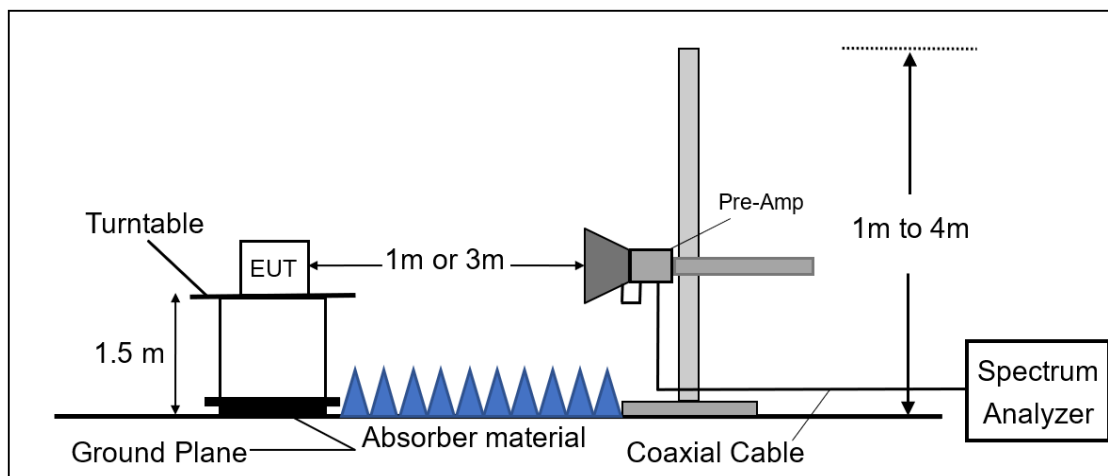
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



(C) Radiated Emission Test Set-Up, Frequency Above 1GHz.



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11.3 Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
2. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for Average Emission Measurements at frequency above 1 GHz.
9. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
12. Repeat above procedures until all default test channel measured were complete.

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11.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where *FS* = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

The limit of the emission level is expressed in dBuV/m, which converts $20 \cdot \log(uV/m)$

Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)

Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

11.5 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

11.6 Measurement Result

Note:

1. Refer to next page spectrum analyzer data chart and tabular data sheets.
2. Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands

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11.6.1 Radiated Band Edge Measurement Result

Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11b

Test Date :2023-04-14

Test Frequency :2412 MHz

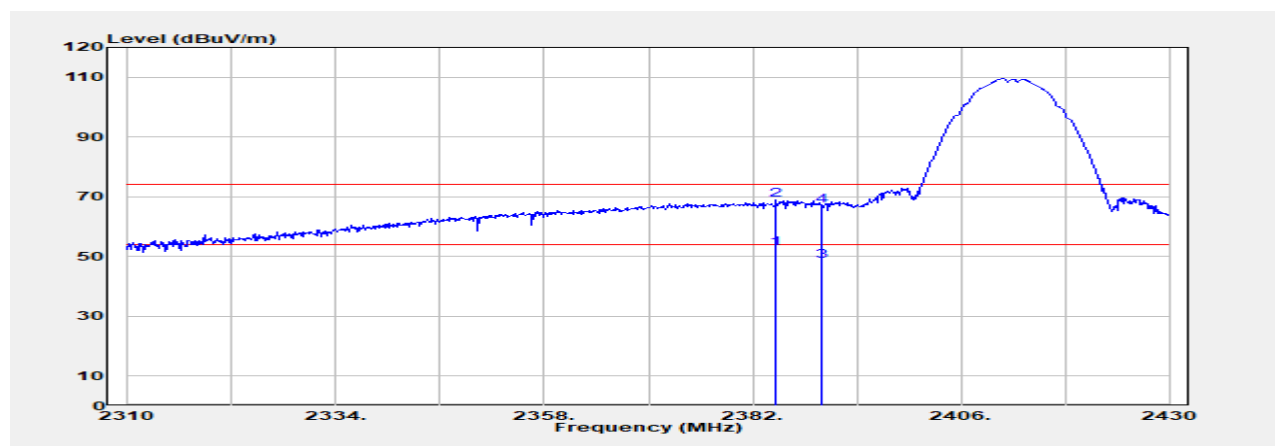
Temp./Humi. :21.6°C / 53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2384.760 | Average | 56.23 | -3.48 | 52.75 | 54.00 | -1.25 |
| 2384.760 | Peak | 72.36 | -3.48 | 68.88 | 74.00 | -5.12 |
| 2390.000 | Average | 51.88 | -3.51 | 48.37 | 54.00 | -5.63 |
| 2390.000 | Peak | 70.57 | -3.51 | 67.06 | 74.00 | -6.94 |

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Report Number :TERF2303000623E2

Operation Mode :802.11b

Test Frequency :2412 MHz

Test Mode :Bandedge

EUT Pol :H Plane

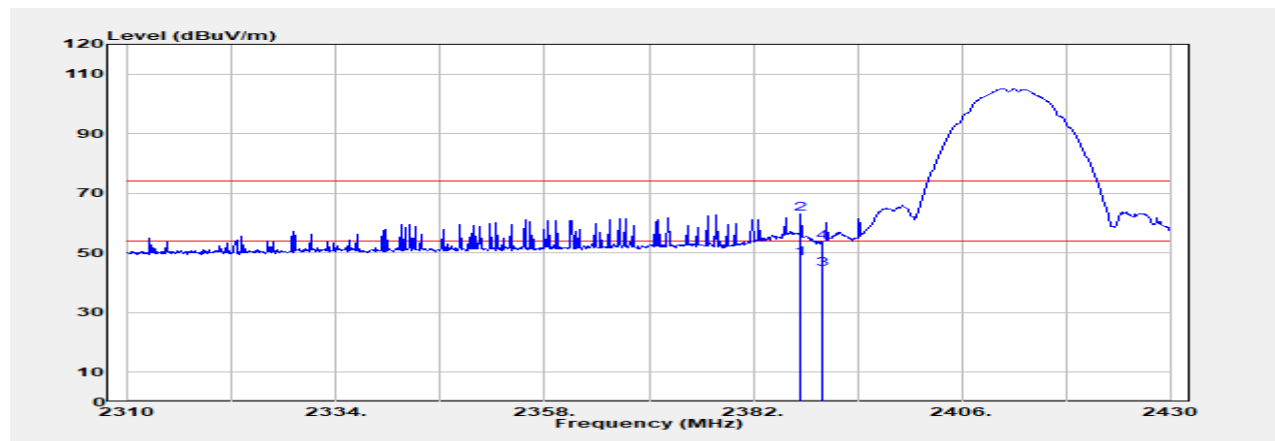
Test Site :SAC G Chamber

Test Date :2023-04-14

Temp./Humi. :21.6°C / 53%

Antenna Pol. :Horizontal

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 2387.520 | Average | 51.59 | -3.50 | 48.09 | 54.00 | -5.91 |
| 2387.520 | Peak | 66.74 | -3.50 | 63.24 | 74.00 | -10.76 |
| 2390.000 | Average | 47.96 | -3.51 | 44.45 | 54.00 | -9.55 |
| 2390.000 | Peak | 57.29 | -3.51 | 53.78 | 74.00 | -20.22 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11b

Test Date :2023-04-14

Test Frequency :2462 MHz

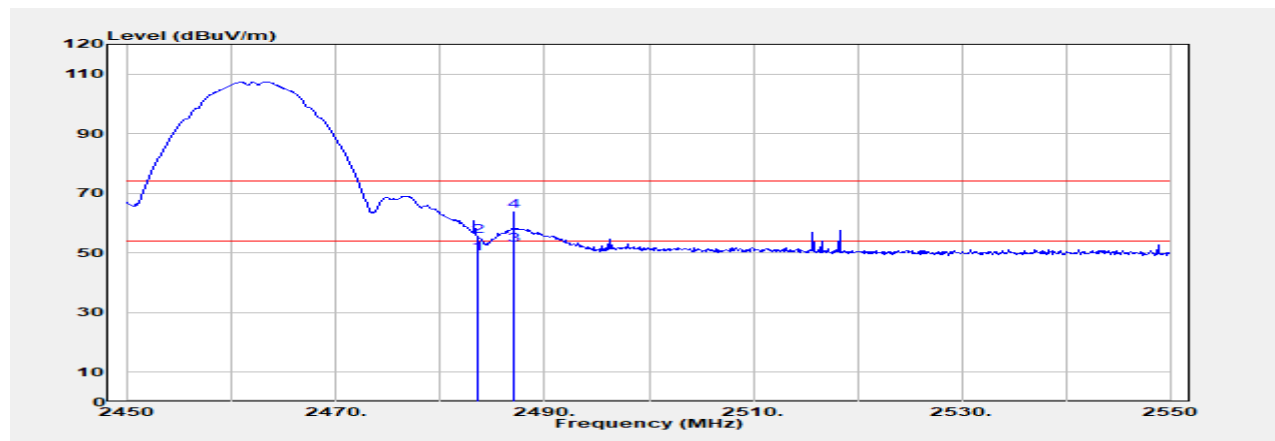
Temp./Humi. :21.6°C / 53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



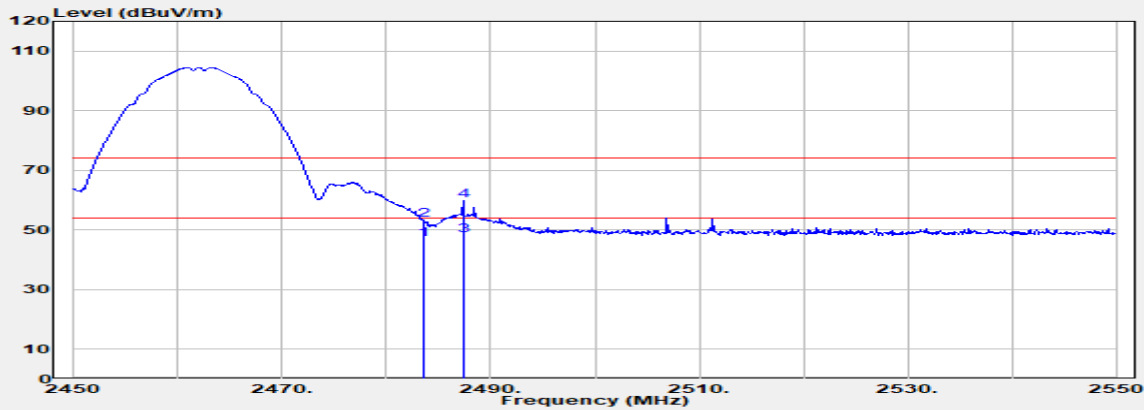
| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2483.500 | Average | 53.43 | -3.54 | 49.89 | 54.00 | -4.11 |
| 2483.500 | Peak | 59.31 | -3.54 | 55.77 | 74.00 | -18.23 |
| 2487.100 | Average | 56.38 | -3.54 | 52.85 | 54.00 | -1.15 |
| 2487.100 | Peak | 67.50 | -3.54 | 63.96 | 74.00 | -10.04 |

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Report Number :TERF2303000623E2
Operation Mode :802.11b
Test Frequency :2462 MHz
Test Mode :Bandedge
EUT Pol :H Plane

Test Site :SAC G Chamber
Test Date :2023-04-14
Temp./Humi. :21.6°C / 53%
Antenna Pol. :Horizontal
Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 2483.500 | Average | 50.42 | -3.54 | 46.88 | 54.00 | -7.12 |
| 2483.500 | Peak | 56.89 | -3.54 | 53.35 | 74.00 | -20.65 |
| 2487.400 | Average | 51.62 | -3.54 | 48.08 | 54.00 | -5.92 |
| 2487.400 | Peak | 63.33 | -3.54 | 59.79 | 74.00 | -14.21 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-17

Test Frequency :2412 MHz

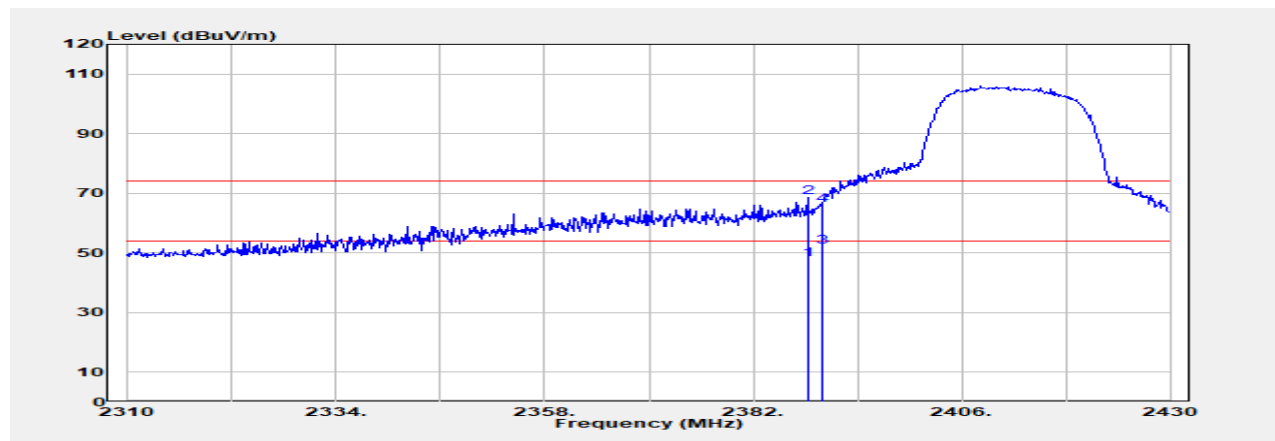
Temp./Humi. :22.6°C / 60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2388.240 | Average | 51.18 | -3.50 | 47.68 | 54.00 | -6.32 |
| 2388.240 | Peak | 72.16 | -3.50 | 68.66 | 74.00 | -5.34 |
| 2390.000 | Average | 55.46 | -3.51 | 51.95 | 54.00 | -2.05 |
| 2390.000 | Peak | 69.47 | -3.51 | 65.96 | 74.00 | -8.04 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-17

Test Frequency :2412 MHz

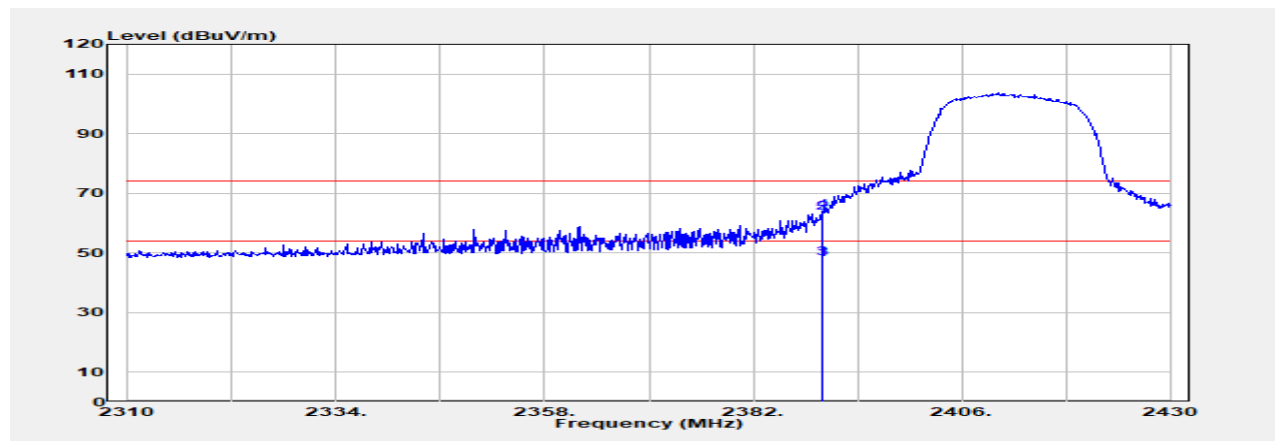
Temp./Humi. :22.6°C / 60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 2389.920 | Average | 51.25 | -3.51 | 47.74 | 54.00 | -6.26 |
| 2389.920 | Peak | 67.03 | -3.51 | 63.52 | 74.00 | -10.48 |
| 2390.000 | Average | 51.48 | -3.51 | 47.97 | 54.00 | -6.03 |
| 2390.000 | Peak | 67.58 | -3.51 | 64.07 | 74.00 | -9.93 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-17

Test Frequency :2462 MHz

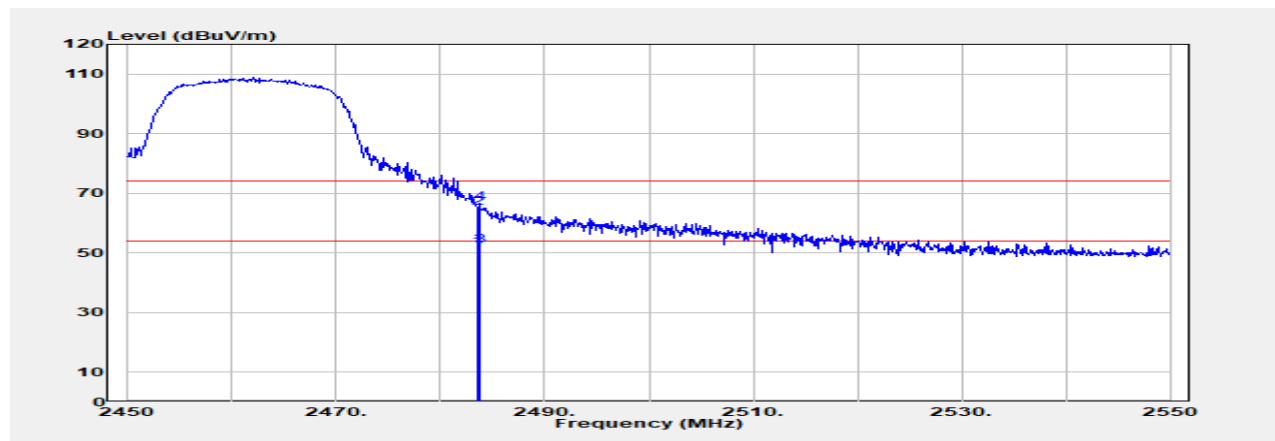
Temp./Humi. :22.6°C / 60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2483.500 | Average | 55.38 | -3.54 | 51.84 | 54.00 | -2.16 |
| 2483.500 | Peak | 68.67 | -3.54 | 65.13 | 74.00 | -8.87 |
| 2483.700 | Average | 55.77 | -3.54 | 52.22 | 54.00 | -1.78 |
| 2483.700 | Peak | 70.19 | -3.54 | 66.65 | 74.00 | -7.35 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-17

Test Frequency :2462 MHz

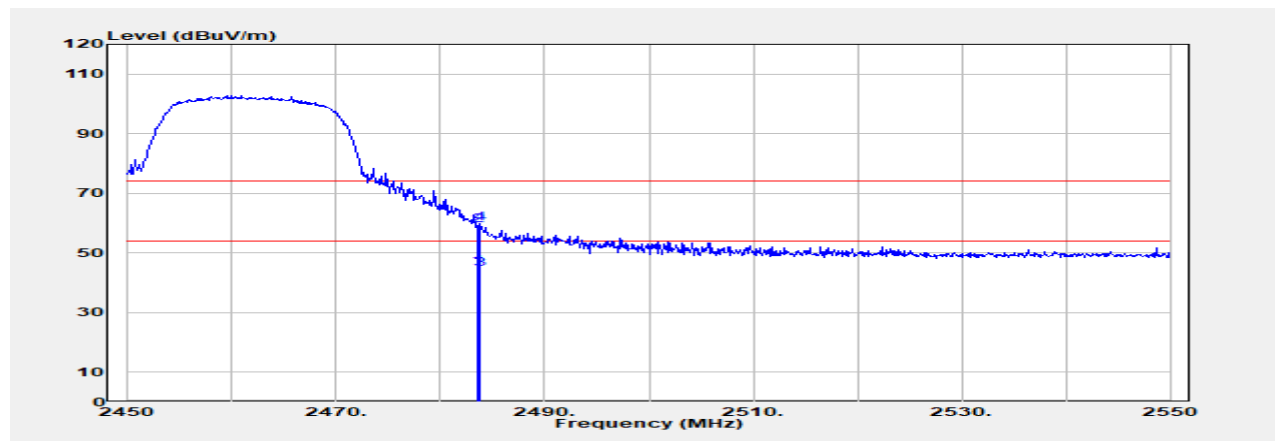
Temp./Humi. :22.6°C / 60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| <hr/> | | | | | | |
| 2483.500 | Average | 48.62 | -3.54 | 45.07 | 54.00 | -8.93 |
| 2483.500 | Peak | 62.89 | -3.54 | 59.35 | 74.00 | -14.65 |
| 2483.800 | Average | 48.21 | -3.54 | 44.67 | 54.00 | -9.33 |
| 2483.800 | Peak | 63.50 | -3.54 | 59.96 | 74.00 | -14.04 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n20

Test Date :2023-04-20

Test Frequency :2412 MHz

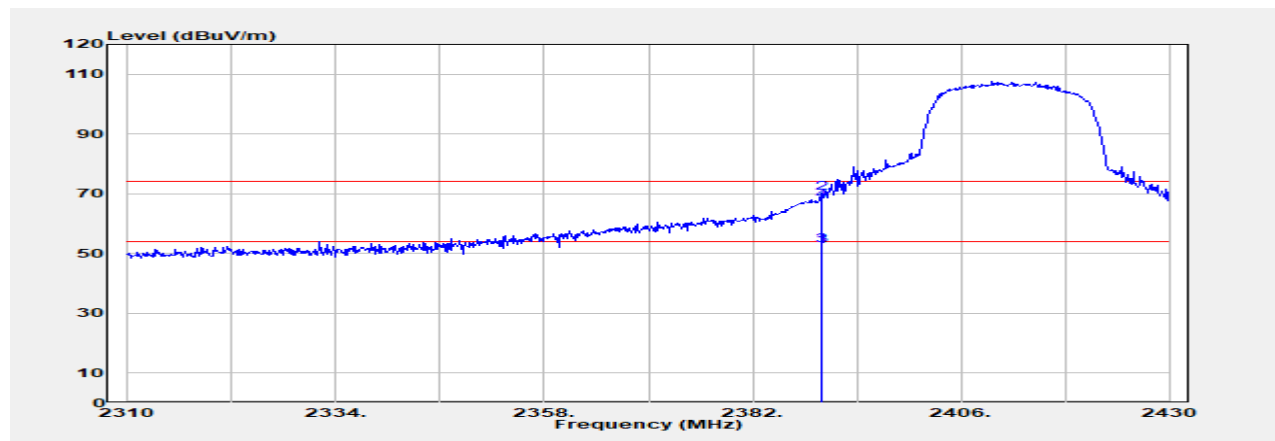
Temp./Humi. :22.8°C / 60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 2389.920 | Average | 55.84 | -3.51 | 52.33 | 54.00 | -1.67 |
| 2389.920 | Peak | 73.83 | -3.51 | 70.32 | 74.00 | -3.68 |
| 2390.000 | Average | 56.10 | -3.51 | 52.60 | 54.00 | -1.40 |
| 2390.000 | Peak | 71.17 | -3.51 | 67.66 | 74.00 | -6.34 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n20

Test Date :2023-04-20

Test Frequency :2412 MHz

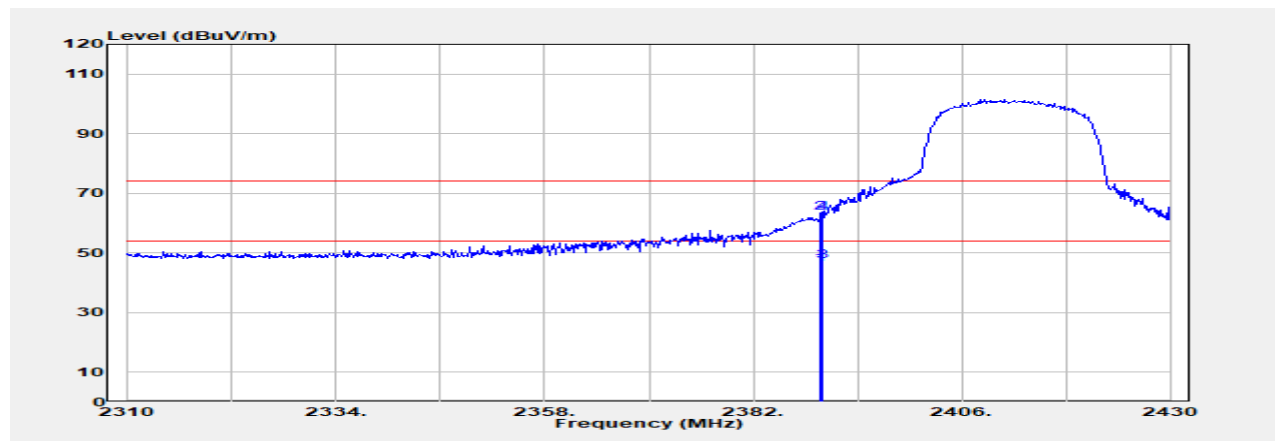
Temp./Humi. :22.8°C / 60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2389.800 | Average | 49.72 | -3.51 | 46.22 | 54.00 | -7.78 |
| 2389.800 | Peak | 66.85 | -3.51 | 63.34 | 74.00 | -10.66 |
| 2390.000 | Average | 50.67 | -3.51 | 47.16 | 54.00 | -6.84 |
| 2390.000 | Peak | 66.88 | -3.51 | 63.37 | 74.00 | -10.63 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n20

Test Date :2023-04-17

Test Frequency :2462 MHz

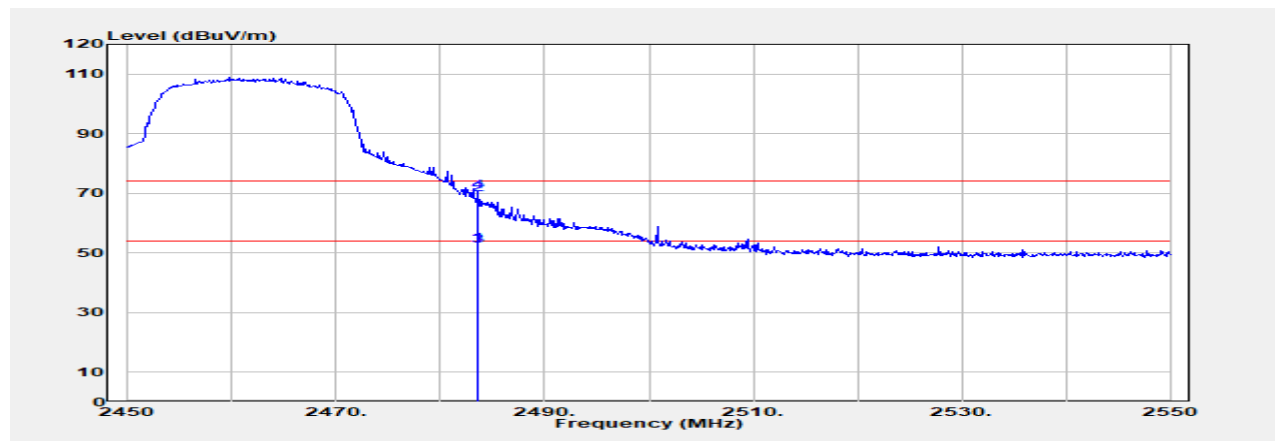
Temp./Humi. :22.6°C / 60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2483.500 | Average | 56.35 | -3.54 | 52.80 | 54.00 | -1.20 |
| 2483.500 | Peak | 73.05 | -3.54 | 69.51 | 74.00 | -4.49 |
| 2483.600 | Average | 55.88 | -3.54 | 52.34 | 54.00 | -1.66 |
| 2483.600 | Peak | 74.23 | -3.54 | 70.69 | 74.00 | -3.31 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n20

Test Date :2023-04-17

Test Frequency :2462 MHz

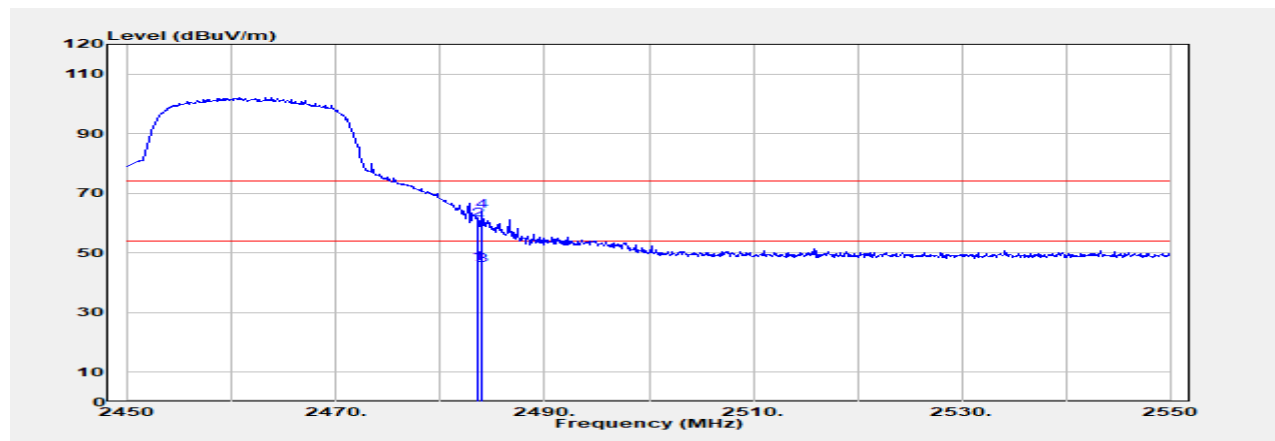
Temp./Humi. :22.6°C / 60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2483.500 | Average | 50.00 | -3.54 | 46.46 | 54.00 | -7.54 |
| 2483.500 | Peak | 64.62 | -3.54 | 61.08 | 74.00 | -12.92 |
| 2484.000 | Average | 49.48 | -3.54 | 45.93 | 54.00 | -8.07 |
| 2484.000 | Peak | 67.52 | -3.54 | 63.98 | 74.00 | -10.02 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n40

Test Date :2023-04-17

Test Frequency :2422 MHz

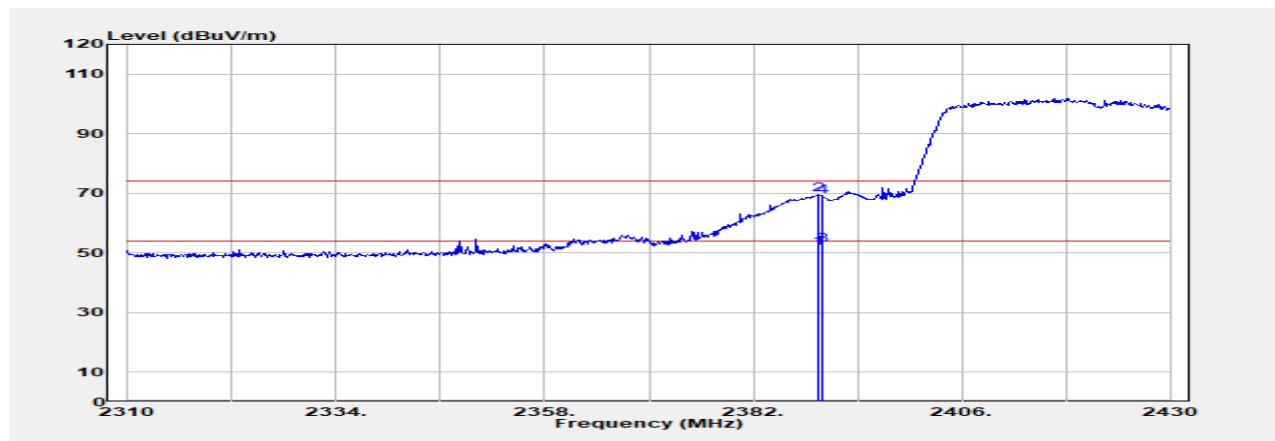
Temp./Humi. :22.6°C / 60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode | Reading Level | | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2389.560 | Average | 55.19 | -3.51 | 51.68 | 54.00 | -2.32 |
| 2389.560 | Peak | 73.25 | -3.51 | 69.74 | 74.00 | -4.26 |
| 2390.000 | Average | 56.19 | -3.51 | 52.68 | 54.00 | -1.32 |
| 2390.000 | Peak | 72.42 | -3.51 | 68.91 | 74.00 | -5.09 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n40

Test Date :2023-04-17

Test Frequency :2422 MHz

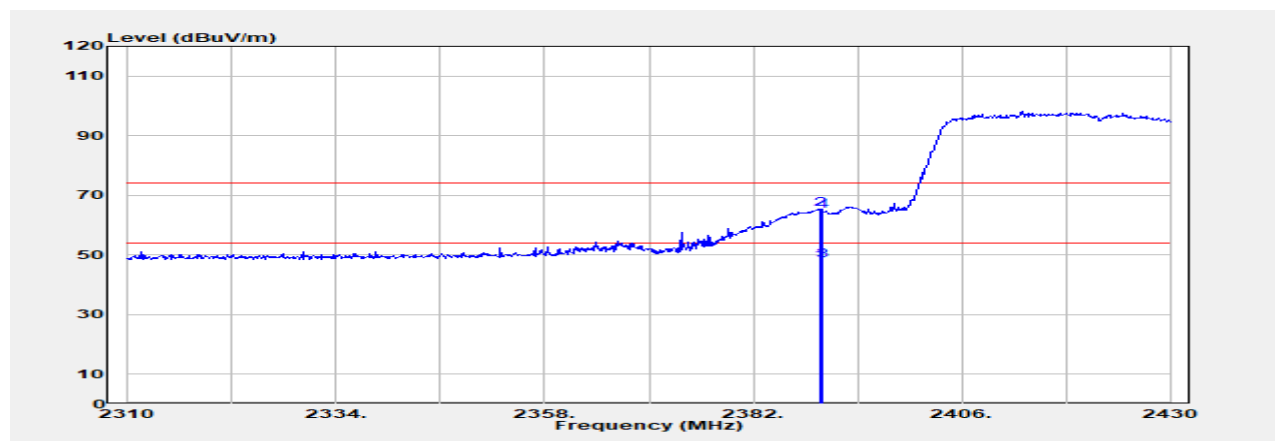
Temp./Humi. :22.6°C / 60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2389.680 | Average | 51.47 | -3.51 | 47.96 | 54.00 | -6.04 |
| 2389.680 | Peak | 68.88 | -3.51 | 65.37 | 74.00 | -8.63 |
| 2390.000 | Average | 51.48 | -3.51 | 47.97 | 54.00 | -6.03 |
| 2390.000 | Peak | 68.24 | -3.51 | 64.73 | 74.00 | -9.27 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n40

Test Date :2023-04-20

Test Frequency :2452 MHz

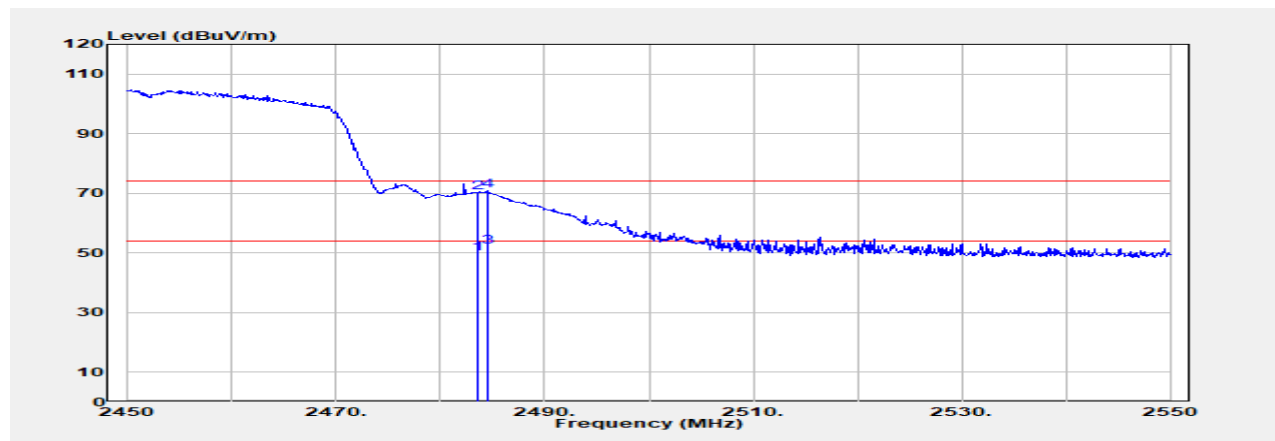
Temp./Humi. :22.8°C / 60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2483.500 | Average | 53.32 | -3.54 | 49.78 | 54.00 | -4.22 |
| 2483.500 | Peak | 73.76 | -3.54 | 70.22 | 74.00 | -3.78 |
| 2484.500 | Average | 55.58 | -3.54 | 52.04 | 54.00 | -1.96 |
| 2484.500 | Peak | 74.40 | -3.54 | 70.86 | 74.00 | -3.14 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n40

Test Date :2023-04-20

Test Frequency :2452 MHz

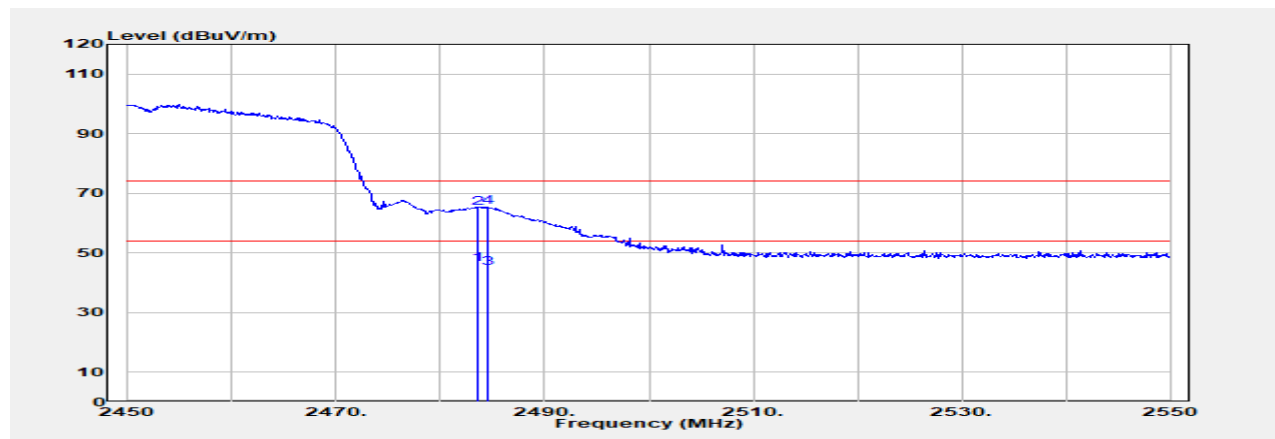
Temp./Humi. :22.8°C / 60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 2483.500 | Average | 49.82 | -3.54 | 46.28 | 54.00 | -7.72 |
| 2483.500 | Peak | 68.62 | -3.54 | 65.07 | 74.00 | -8.93 |
| 2484.500 | Average | 48.34 | -3.54 | 44.80 | 54.00 | -9.20 |
| 2484.500 | Peak | 68.99 | -3.54 | 65.45 | 74.00 | -8.55 |

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11.6.2 Spurious Emission:

Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-24

Test Frequency :2437 MHz

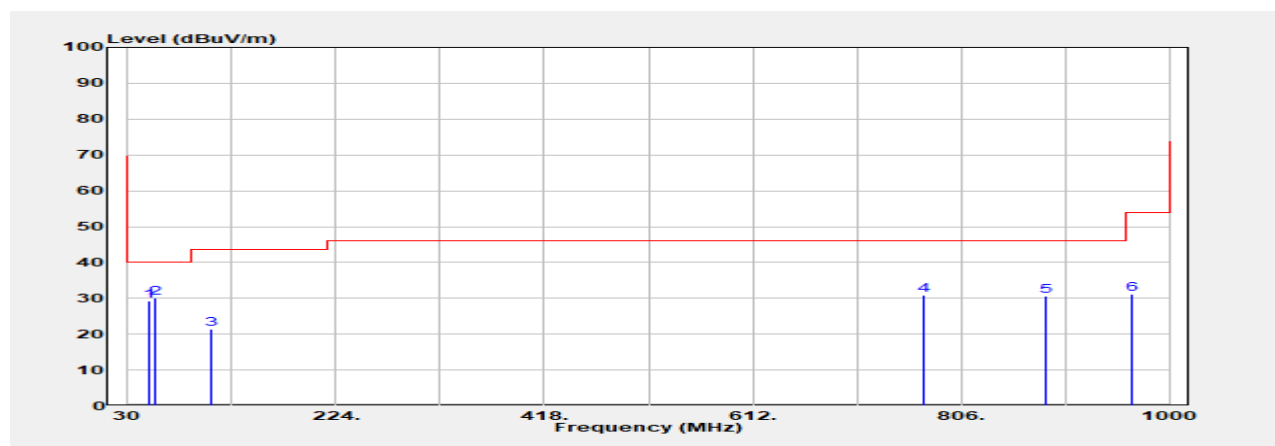
Temp./Humi. :21.3°C / 62%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



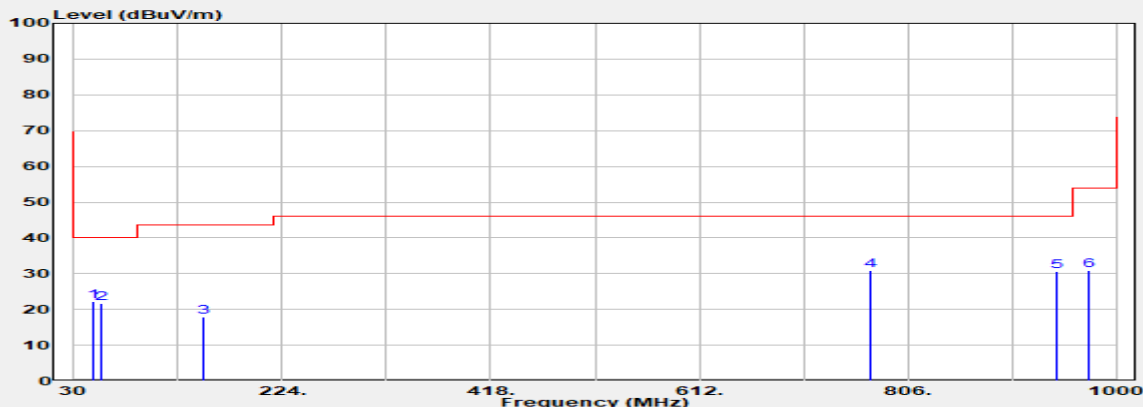
| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|---------|---------------|----------|--------|--------|--------|--------|
| Mode | Reading Level | | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 50.370 | Peak | 41.79 | -12.42 | 29.36 | 40.00 | -10.64 |
| 55.220 | Peak | 42.72 | -12.72 | 30.00 | 40.00 | -10.00 |
| 107.600 | Peak | 37.78 | -16.40 | 21.38 | 43.50 | -22.12 |
| 771.080 | Peak | 32.91 | -1.92 | 30.99 | 46.00 | -15.01 |
| 884.570 | Peak | 30.60 | 0.01 | 30.61 | 46.00 | -15.39 |
| 966.050 | Peak | 30.33 | 0.89 | 31.22 | 54.00 | -22.78 |

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Report Number :TERF2303000623E2
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC G Chamber
 Test Date :2023-04-24
 Temp./Humi. :21.3°C / 62%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|---------|-----------|---------------|--------|--------|--------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 47.460 | Peak | 34.76 | -12.59 | 22.17 | 40.00 | -17.83 |
| 56.190 | Peak | 34.49 | -12.72 | 21.77 | 40.00 | -18.23 |
| 150.280 | Peak | 30.66 | -12.75 | 17.91 | 43.50 | -25.59 |
| 771.080 | Peak | 32.81 | -1.92 | 30.89 | 46.00 | -15.11 |
| 944.710 | Peak | 30.54 | -0.02 | 30.51 | 46.00 | -15.49 |
| 974.780 | Peak | 29.87 | 0.91 | 30.79 | 54.00 | -23.21 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11b

Test Date :2023-04-14

Test Frequency :2412 MHz

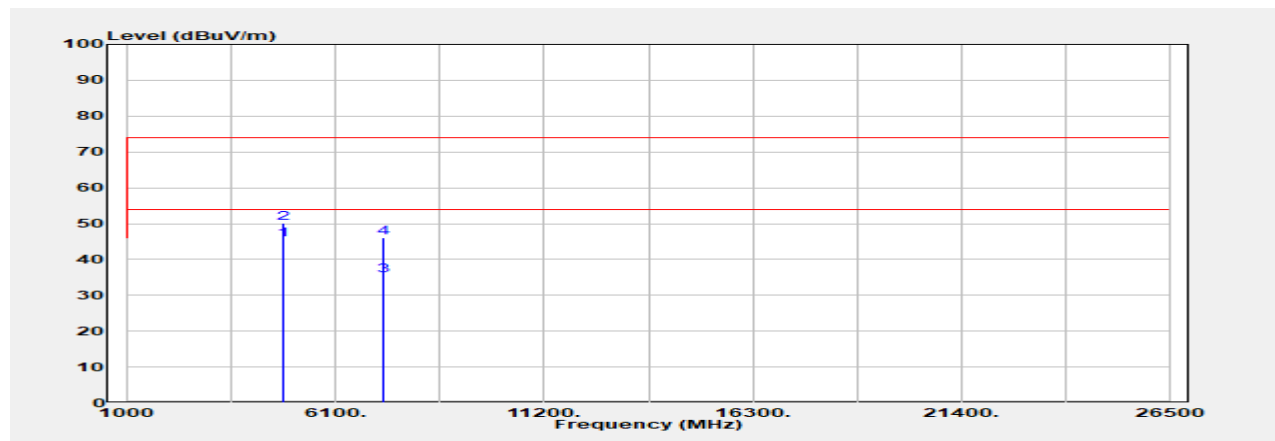
Temp./Humi. :21.6°C / 53%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode | Reading Level | | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4824.000 | Average | 42.38 | 3.28 | 45.66 | 54.00 | -8.34 |
| 4824.000 | Peak | 46.83 | 3.28 | 50.11 | 74.00 | -23.89 |
| 7236.000 | Average | 26.94 | 8.54 | 35.48 | 54.00 | -18.52 |
| 7236.000 | Peak | 37.54 | 8.54 | 46.08 | 74.00 | -27.92 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11b

Test Date :2023-04-14

Test Frequency :2412 MHz

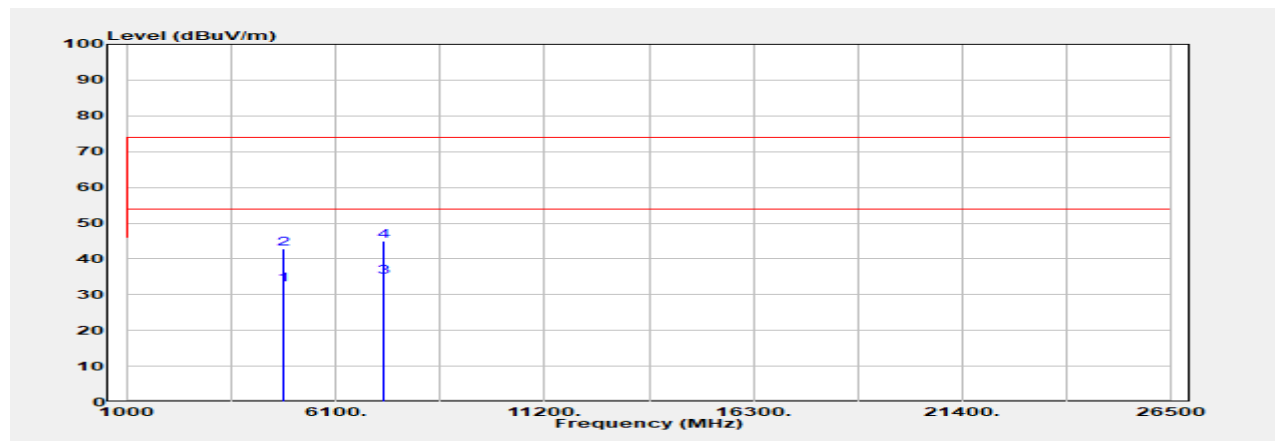
Temp./Humi. :21.6°C / 53%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4824.000 | Average | 29.43 | 3.28 | 32.71 | 54.00 | -21.29 |
| 4824.000 | Peak | 39.46 | 3.28 | 42.74 | 74.00 | -31.26 |
| 7236.000 | Average | 26.38 | 8.54 | 34.92 | 54.00 | -19.08 |
| 7236.000 | Peak | 36.40 | 8.54 | 44.93 | 74.00 | -29.07 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11b

Test Date :2023-04-17

Test Frequency :2437 MHz

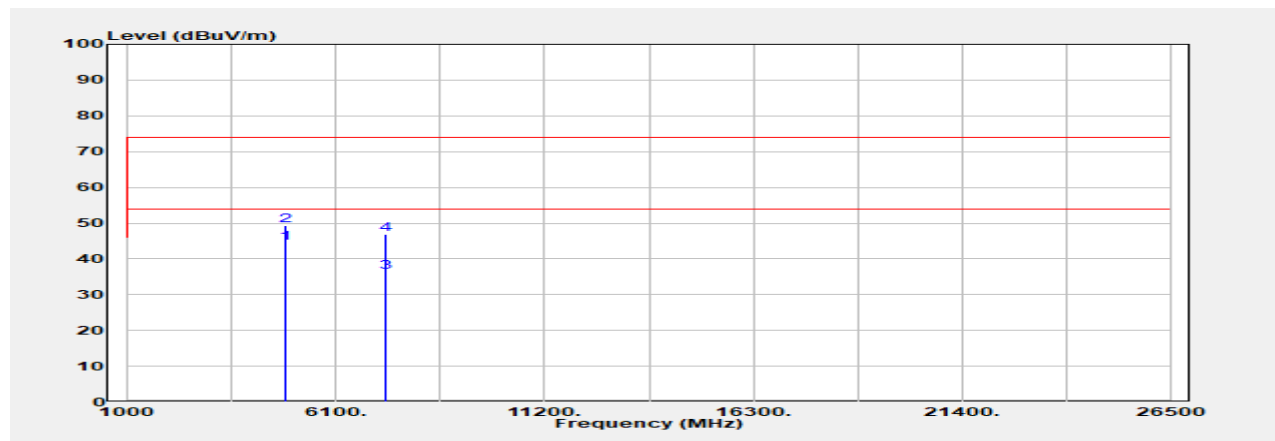
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4874.000 | Average | 41.14 | 3.35 | 44.50 | 54.00 | -9.50 |
| 4874.000 | Peak | 45.96 | 3.35 | 49.31 | 74.00 | -24.69 |
| 7311.000 | Average | 27.62 | 8.58 | 36.19 | 54.00 | -17.81 |
| 7311.000 | Peak | 38.38 | 8.58 | 46.95 | 74.00 | -27.05 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11b

Test Date :2023-04-17

Test Frequency :2437 MHz

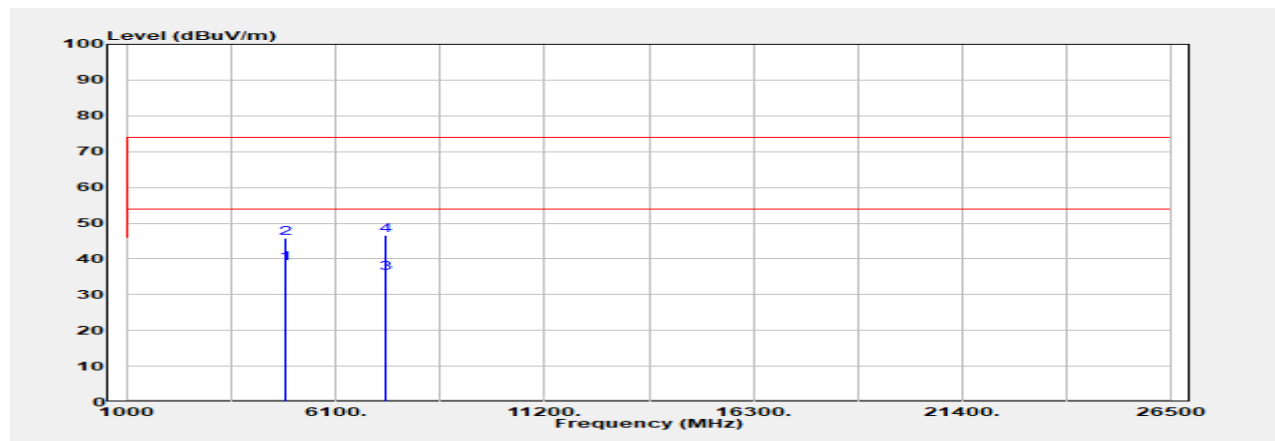
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4874.000 | Average | 35.47 | 3.35 | 38.82 | 54.00 | -15.18 |
| 4874.000 | Peak | 42.46 | 3.35 | 45.81 | 74.00 | -28.19 |
| 7311.000 | Average | 27.57 | 8.58 | 36.15 | 54.00 | -17.85 |
| 7311.000 | Peak | 38.14 | 8.58 | 46.72 | 74.00 | -27.28 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11b

Test Date :2023-04-17

Test Frequency :2462 MHz

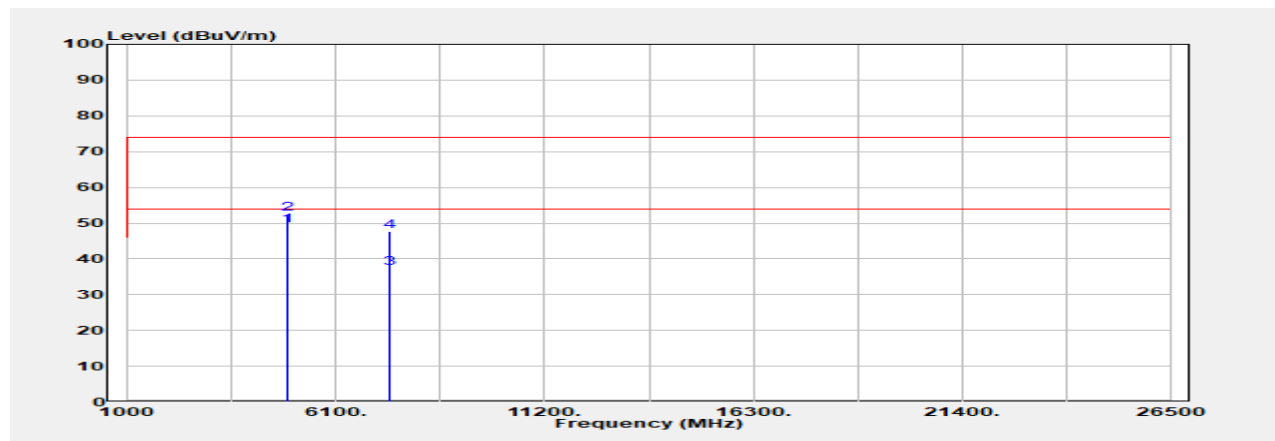
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4924.000 | Average | 45.79 | 3.46 | 49.26 | 54.00 | -4.74 |
| 4924.000 | Peak | 49.15 | 3.46 | 52.61 | 74.00 | -21.39 |
| 7386.000 | Average | 28.31 | 9.03 | 37.34 | 54.00 | -16.66 |
| 7386.000 | Peak | 38.67 | 9.03 | 47.70 | 74.00 | -26.30 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11b

Test Date :2023-04-17

Test Frequency :2462 MHz

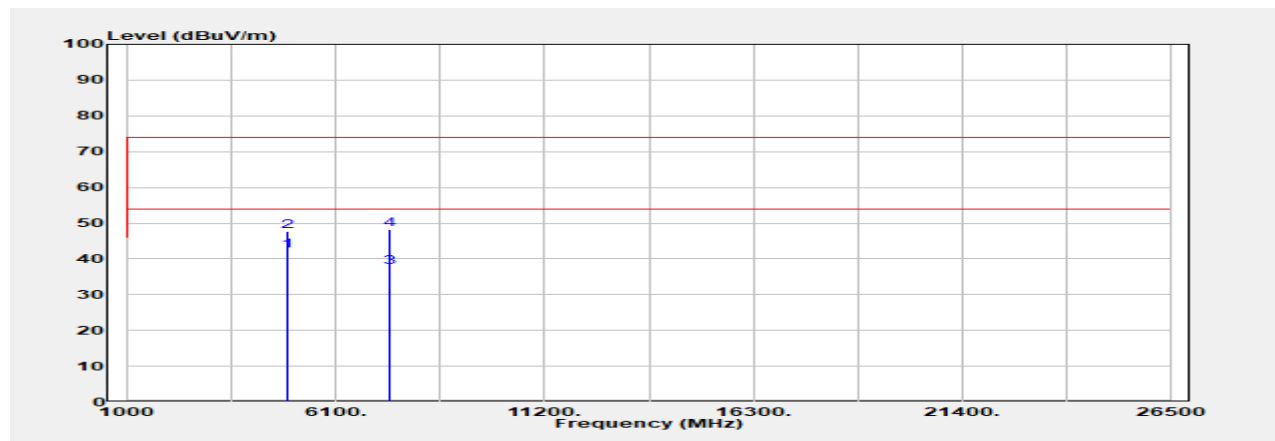
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4924.000 | Average | 38.81 | 3.46 | 42.28 | 54.00 | -11.72 |
| 4924.000 | Peak | 44.12 | 3.46 | 47.58 | 74.00 | -26.42 |
| 7386.000 | Average | 28.63 | 9.03 | 37.66 | 54.00 | -16.34 |
| 7386.000 | Peak | 39.14 | 9.03 | 48.17 | 74.00 | -25.83 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-17

Test Frequency :2412 MHz

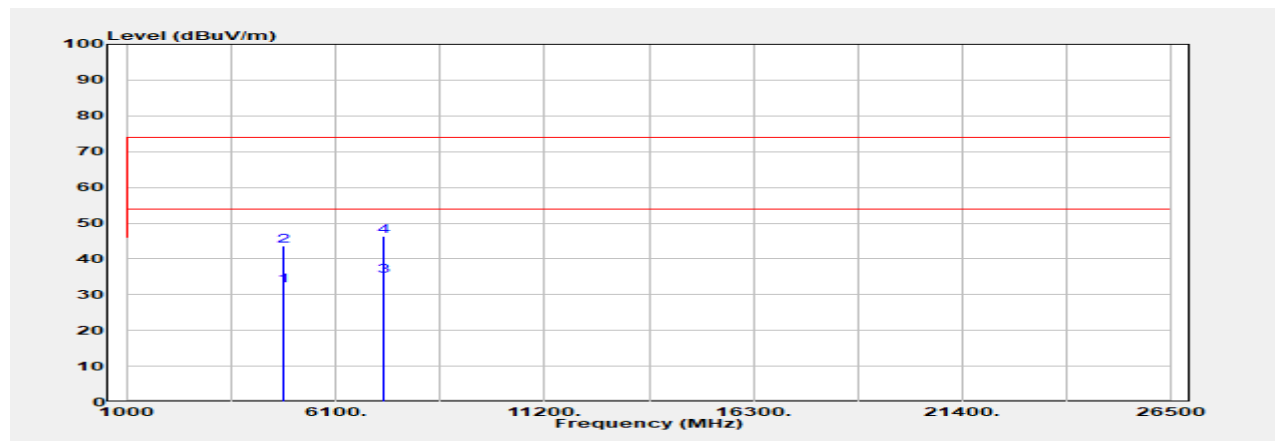
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4824.000 | Average | 29.18 | 3.28 | 32.47 | 54.00 | -21.53 |
| 4824.000 | Peak | 40.41 | 3.28 | 43.69 | 74.00 | -30.31 |
| 7236.000 | Average | 26.58 | 8.54 | 35.11 | 54.00 | -18.89 |
| 7236.000 | Peak | 37.82 | 8.54 | 46.35 | 74.00 | -27.65 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-17

Test Frequency :2412 MHz

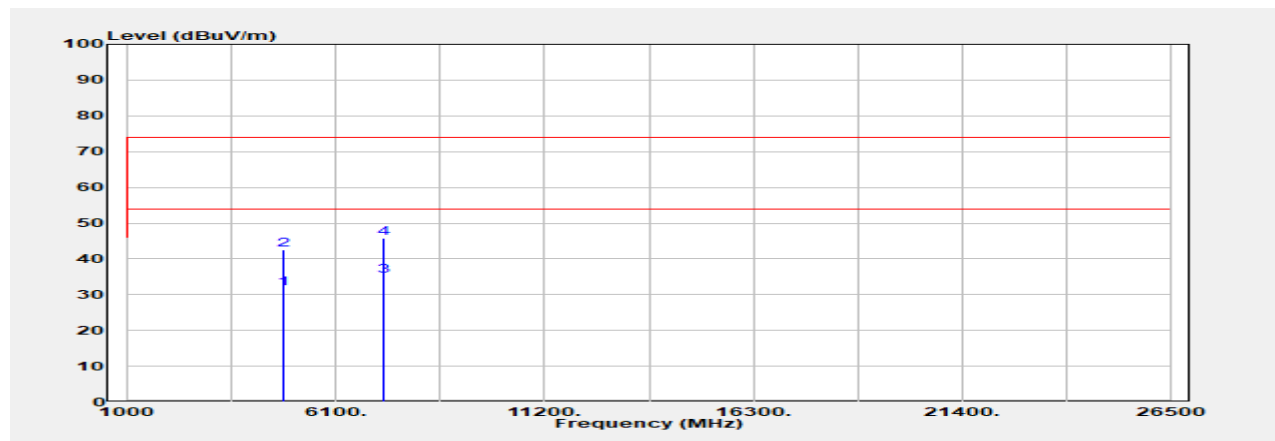
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4824.000 | Average | 28.55 | 3.28 | 31.83 | 54.00 | -22.17 |
| 4824.000 | Peak | 39.38 | 3.28 | 42.66 | 74.00 | -31.34 |
| 7236.000 | Average | 26.67 | 8.54 | 35.21 | 54.00 | -18.79 |
| 7236.000 | Peak | 37.15 | 8.54 | 45.69 | 74.00 | -28.32 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-17

Test Frequency :2437 MHz

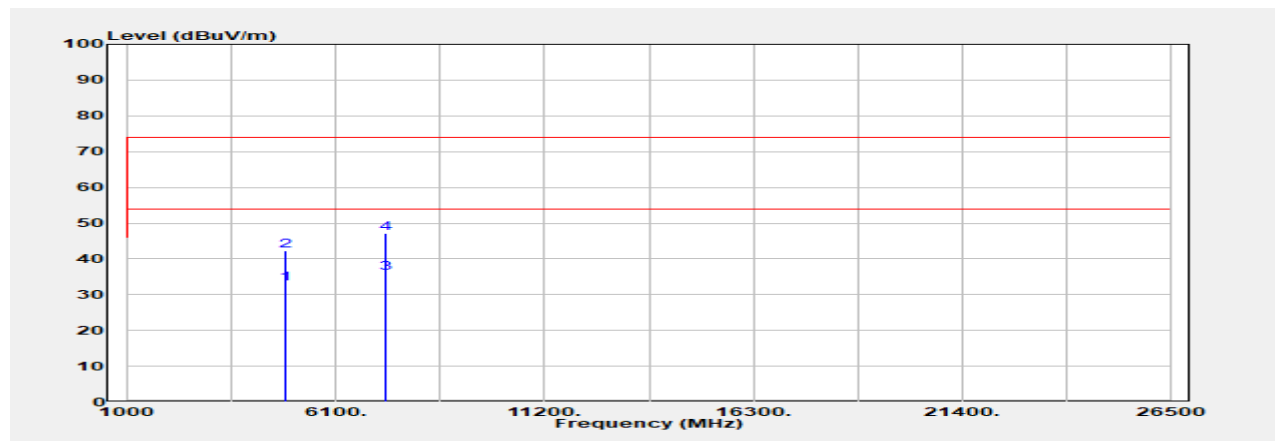
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4874.000 | Average | 29.82 | 3.35 | 33.18 | 54.00 | -20.82 |
| 4874.000 | Peak | 38.97 | 3.35 | 42.32 | 74.00 | -31.68 |
| 7311.000 | Average | 27.40 | 8.58 | 35.98 | 54.00 | -18.02 |
| 7311.000 | Peak | 38.63 | 8.58 | 47.20 | 74.00 | -26.80 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-17

Test Frequency :2437 MHz

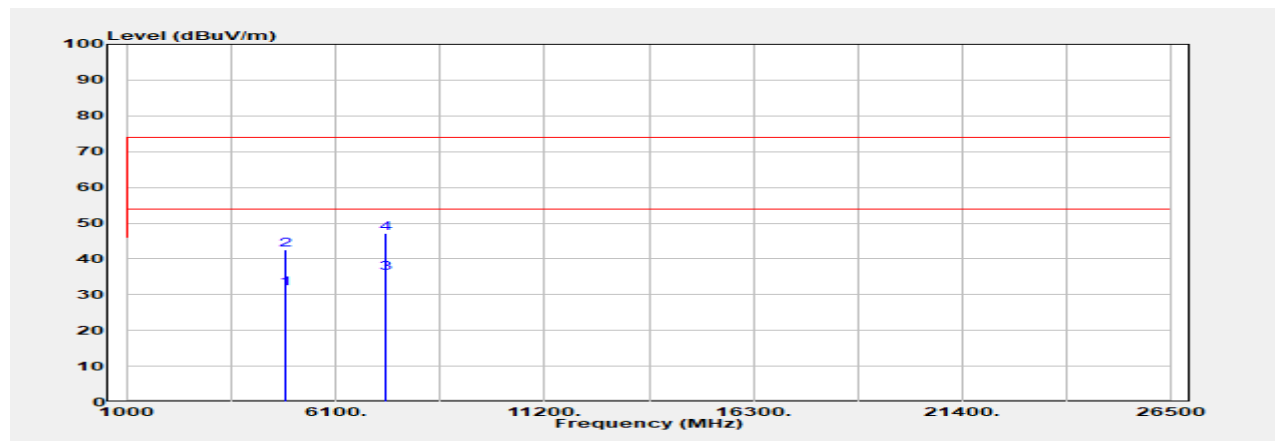
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4874.000 | Average | 28.23 | 3.35 | 31.58 | 54.00 | -22.42 |
| 4874.000 | Peak | 39.16 | 3.35 | 42.51 | 74.00 | -31.49 |
| 7311.000 | Average | 27.47 | 8.58 | 36.05 | 54.00 | -17.95 |
| 7311.000 | Peak | 38.48 | 8.58 | 47.06 | 74.00 | -26.94 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-17

Test Frequency :2462 MHz

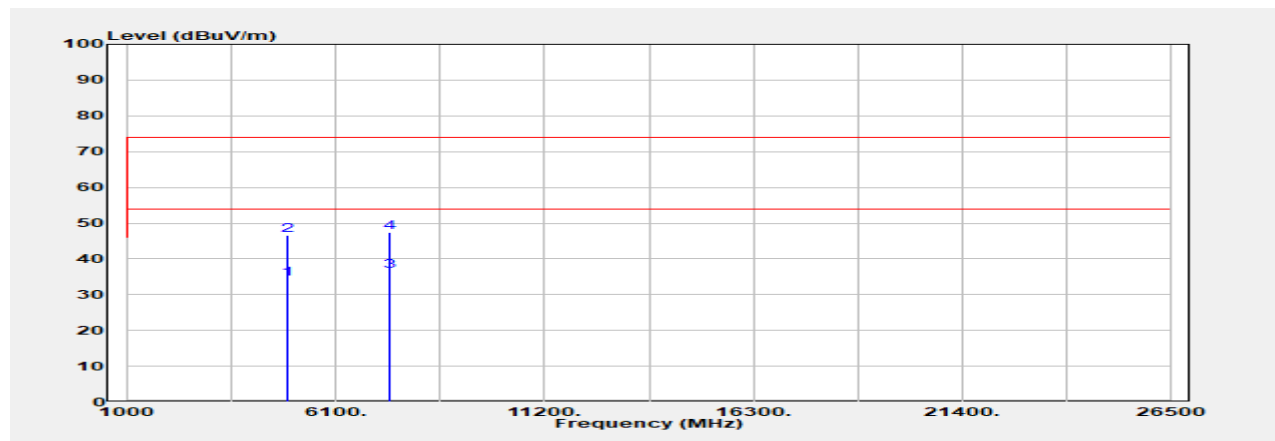
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode | Reading Level | | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4924.000 | Average | 30.90 | 3.46 | 34.37 | 54.00 | -19.63 |
| 4924.000 | Peak | 43.05 | 3.46 | 46.51 | 74.00 | -27.49 |
| 7386.000 | Average | 27.65 | 9.03 | 36.68 | 54.00 | -17.32 |
| 7386.000 | Peak | 38.31 | 9.03 | 47.34 | 74.00 | -26.66 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11g

Test Date :2023-04-17

Test Frequency :2462 MHz

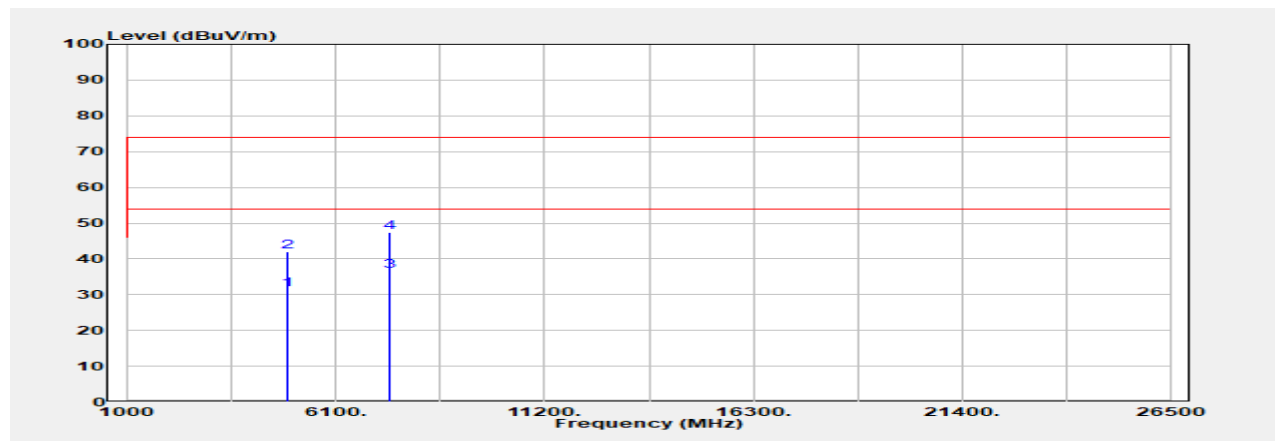
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4924.000 | Average | 27.93 | 3.46 | 31.40 | 54.00 | -22.60 |
| 4924.000 | Peak | 38.67 | 3.46 | 42.14 | 74.00 | -31.86 |
| 7386.000 | Average | 27.57 | 9.03 | 36.60 | 54.00 | -17.40 |
| 7386.000 | Peak | 38.37 | 9.03 | 47.40 | 74.00 | -26.60 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n20

Test Date :2023-04-17

Test Frequency :2412 MHz

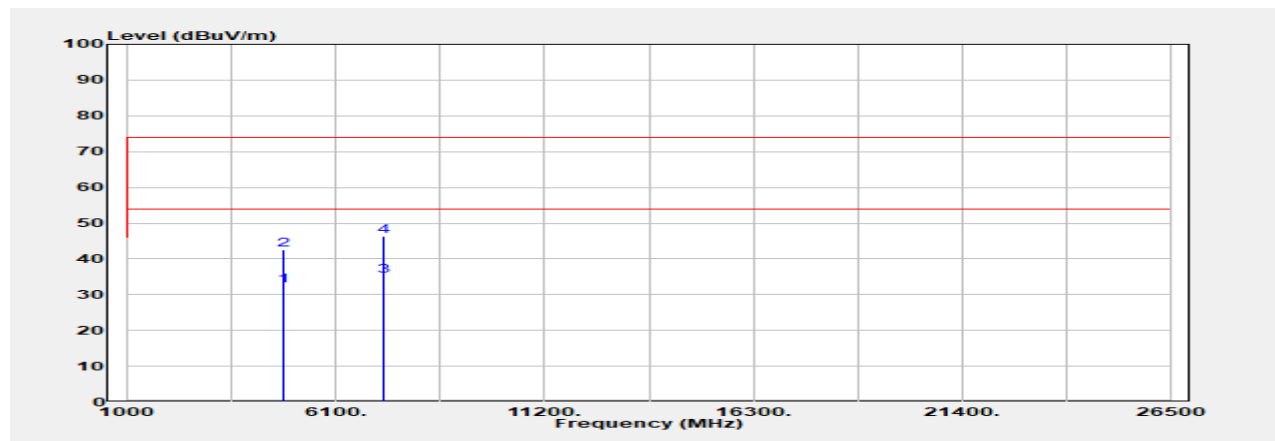
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4824.000 | Average | 29.27 | 3.28 | 32.55 | 54.00 | -21.45 |
| 4824.000 | Peak | 39.37 | 3.28 | 42.66 | 74.00 | -31.34 |
| 7236.000 | Average | 26.66 | 8.54 | 35.20 | 54.00 | -18.80 |
| 7236.000 | Peak | 37.71 | 8.54 | 46.25 | 74.00 | -27.75 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n20

Test Date :2023-04-17

Test Frequency :2412 MHz

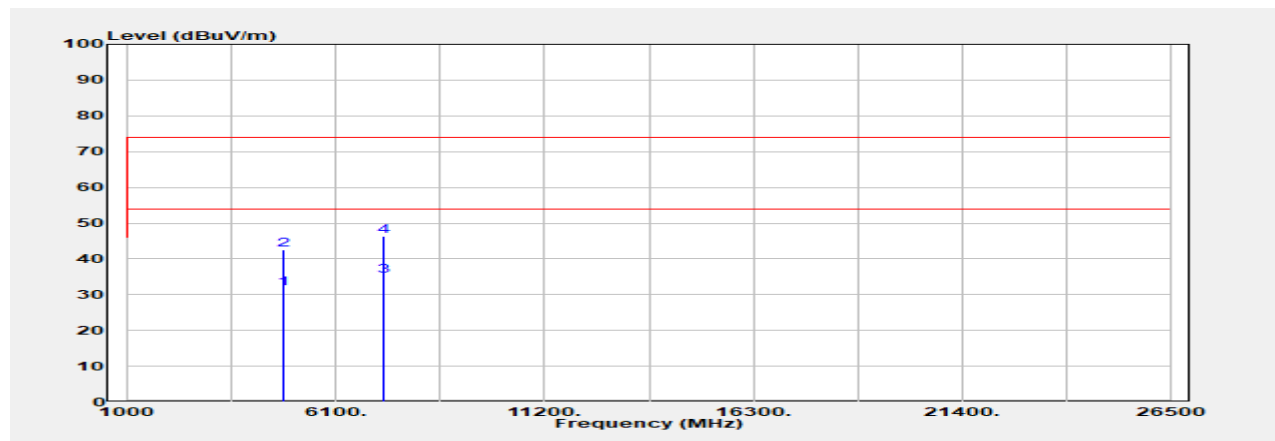
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4824.000 | Average | 28.41 | 3.28 | 31.70 | 54.00 | -22.30 |
| 4824.000 | Peak | 39.17 | 3.28 | 42.45 | 74.00 | -31.55 |
| 7236.000 | Average | 26.67 | 8.54 | 35.20 | 54.00 | -18.80 |
| 7236.000 | Peak | 37.75 | 8.54 | 46.28 | 74.00 | -27.72 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n20

Test Date :2023-04-17

Test Frequency :2437 MHz

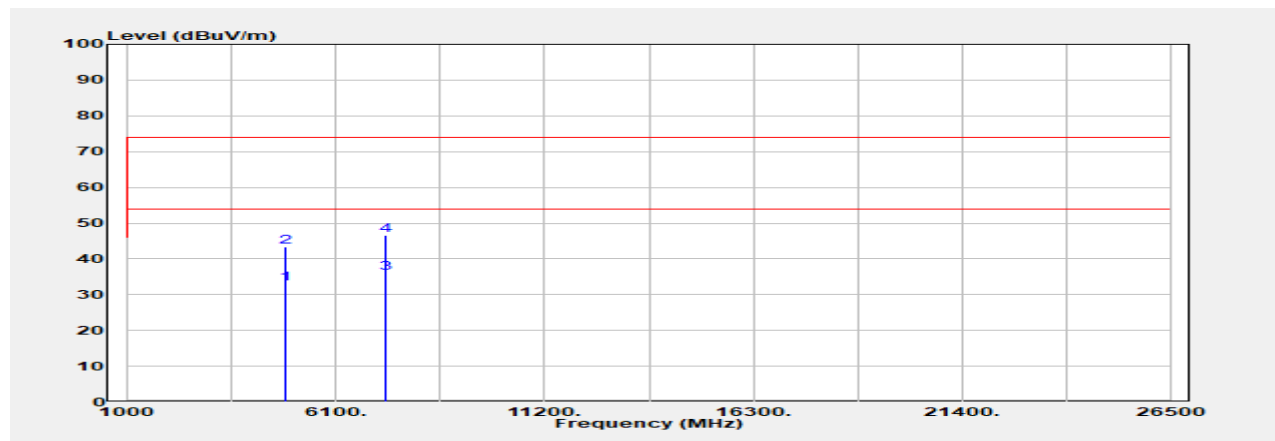
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4874.000 | Average | 29.61 | 3.35 | 32.96 | 54.00 | -21.04 |
| 4874.000 | Peak | 40.09 | 3.35 | 43.44 | 74.00 | -30.56 |
| 7311.000 | Average | 27.41 | 8.58 | 35.98 | 54.00 | -18.02 |
| 7311.000 | Peak | 38.02 | 8.58 | 46.60 | 74.00 | -27.40 |

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Member of SGS Group

Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n20

Test Date :2023-04-17

Test Frequency :2437 MHz

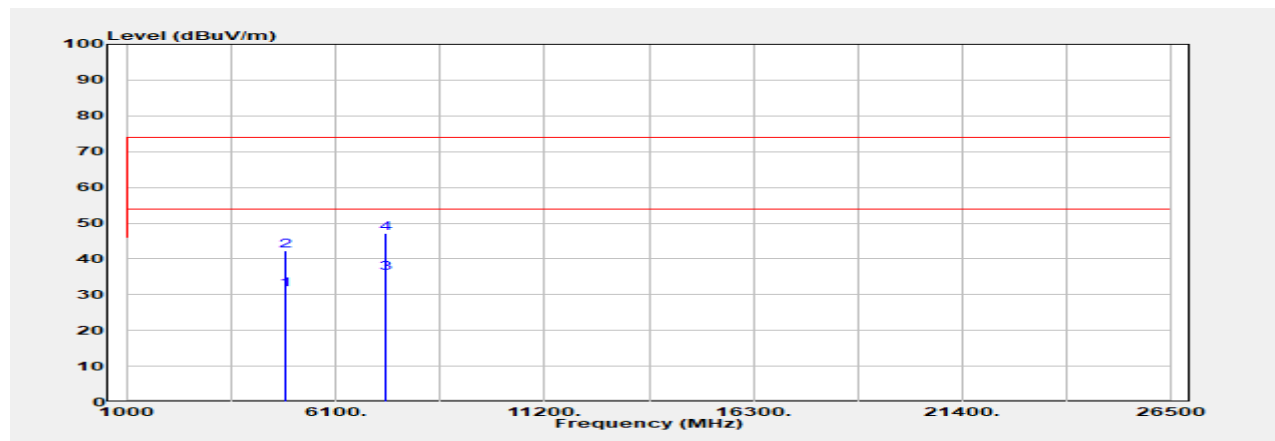
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|---------------|------------|--------|--------------|--------------|--------|
| Mode | Reading Level | | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4874.000 | Average | 28.16 | 3.35 | 31.51 | 54.00 | -22.49 |
| 4874.000 | Peak | 38.84 | 3.35 | 42.19 | 74.00 | -31.81 |
| 7311.000 | Average | 27.34 | 8.58 | 35.92 | 54.00 | -18.08 |
| 7311.000 | Peak | 38.58 | 8.58 | 47.15 | 74.00 | -26.85 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n20

Test Date :2023-04-17

Test Frequency :2462 MHz

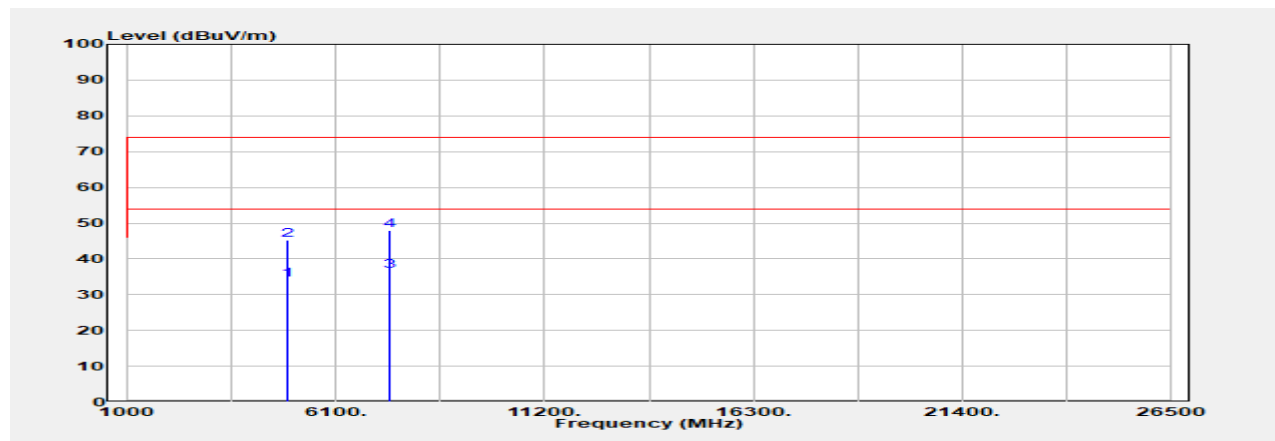
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4924.000 | Average | 30.58 | 3.46 | 34.05 | 54.00 | -19.95 |
| 4924.000 | Peak | 41.80 | 3.46 | 45.26 | 74.00 | -28.74 |
| 7386.000 | Average | 27.62 | 9.03 | 36.65 | 54.00 | -17.35 |
| 7386.000 | Peak | 38.84 | 9.03 | 47.87 | 74.00 | -26.13 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n20

Test Date :2023-04-17

Test Frequency :2462 MHz

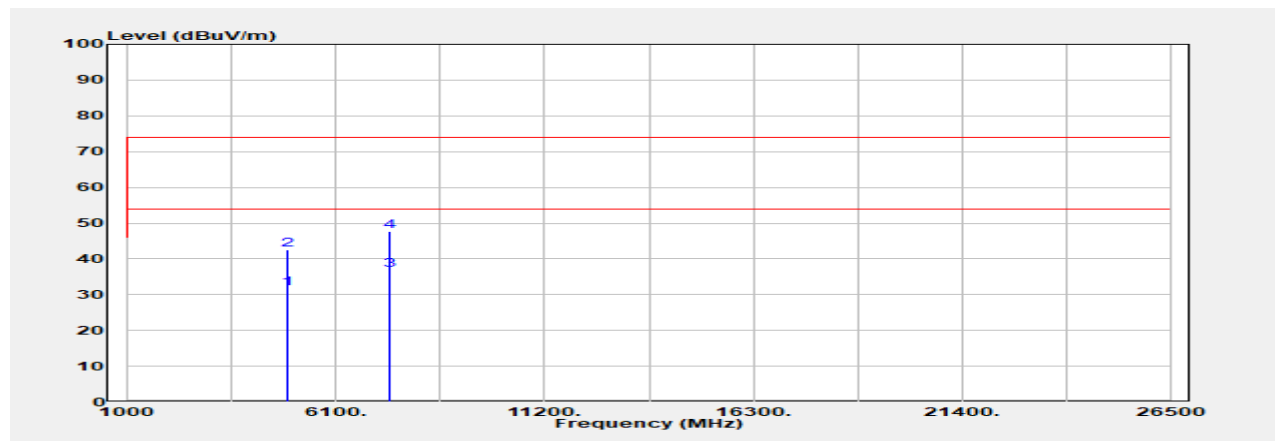
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4924.000 | Average | 28.27 | 3.46 | 31.74 | 54.00 | -22.26 |
| 4924.000 | Peak | 39.11 | 3.46 | 42.58 | 74.00 | -31.42 |
| 7386.000 | Average | 27.70 | 9.03 | 36.73 | 54.00 | -17.27 |
| 7386.000 | Peak | 38.64 | 9.03 | 47.67 | 74.00 | -26.33 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n40

Test Date :2023-04-17

Test Frequency :2422 MHz

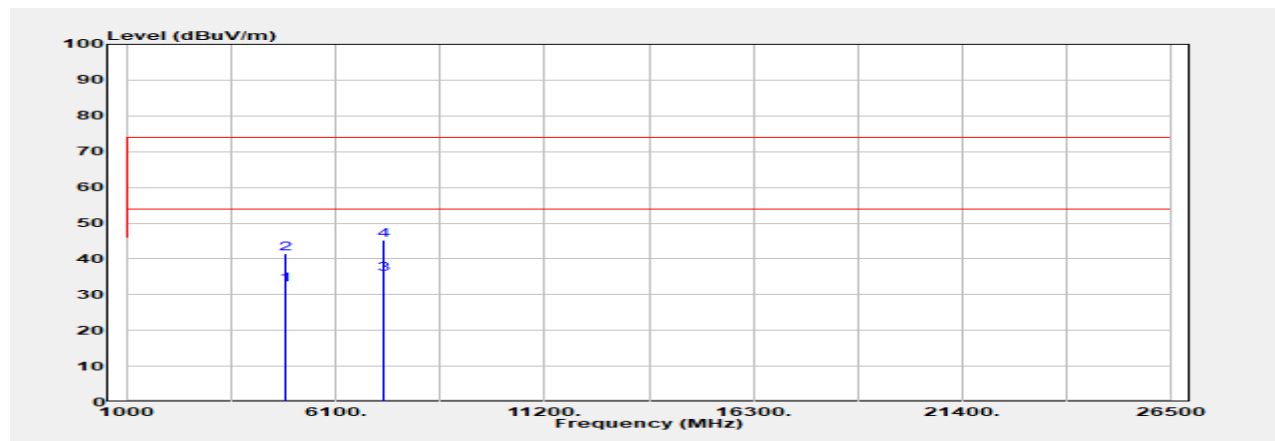
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4844.000 | Average | 29.42 | 3.31 | 32.73 | 54.00 | -21.27 |
| 4844.000 | Peak | 38.06 | 3.31 | 41.37 | 74.00 | -32.63 |
| 7266.000 | Average | 27.31 | 8.53 | 35.84 | 54.00 | -18.16 |
| 7266.000 | Peak | 36.79 | 8.53 | 45.32 | 74.00 | -28.68 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n40

Test Date :2023-04-17

Test Frequency :2422 MHz

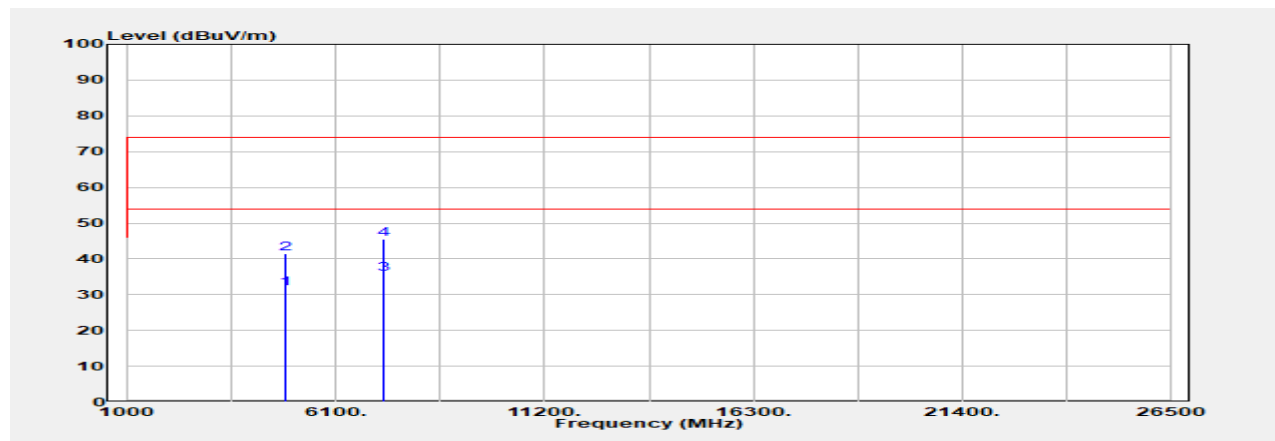
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4844.000 | Average | 28.43 | 3.31 | 31.74 | 54.00 | -22.26 |
| 4844.000 | Peak | 38.27 | 3.31 | 41.58 | 74.00 | -32.42 |
| 7266.000 | Average | 27.33 | 8.53 | 35.86 | 54.00 | -18.14 |
| 7266.000 | Peak | 36.86 | 8.53 | 45.40 | 74.00 | -28.60 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n40

Test Date :2023-04-17

Test Frequency :2437 MHz

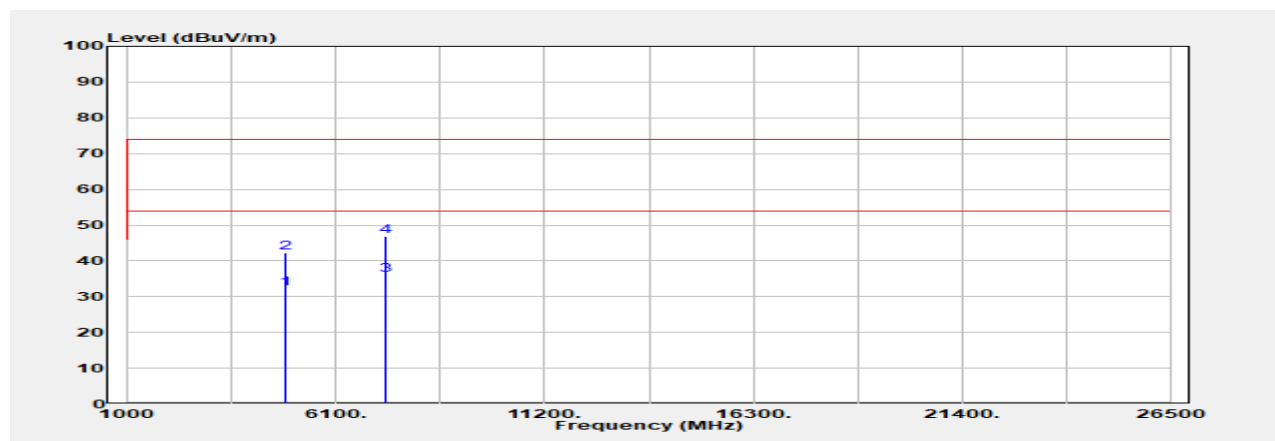
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4874.000 | Average | 28.87 | 3.35 | 32.22 | 54.00 | -21.78 |
| 4874.000 | Peak | 38.87 | 3.35 | 42.23 | 74.00 | -31.77 |
| 7311.000 | Average | 27.41 | 8.58 | 35.98 | 54.00 | -18.02 |
| 7311.000 | Peak | 38.26 | 8.58 | 46.83 | 74.00 | -27.17 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n40

Test Date :2023-04-17

Test Frequency :2437 MHz

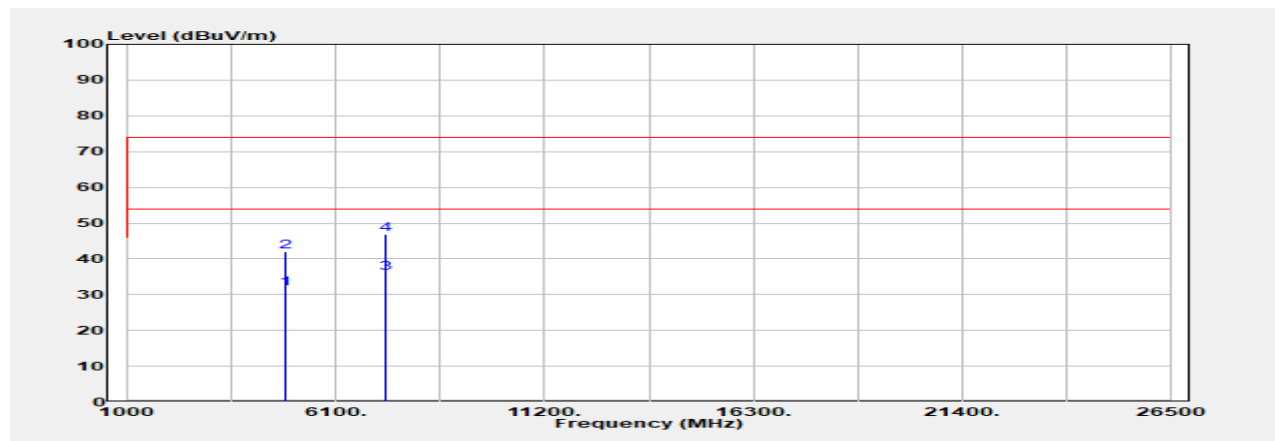
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dBμV | dB | dBμV/m | dBμV/m | dB |
| 4874.000 | Average | 28.30 | 3.35 | 31.66 | 54.00 | -22.34 |
| 4874.000 | Peak | 38.68 | 3.35 | 42.03 | 74.00 | -31.97 |
| 7311.000 | Average | 27.54 | 8.58 | 36.12 | 54.00 | -17.88 |
| 7311.000 | Peak | 38.22 | 8.58 | 46.79 | 74.00 | -27.21 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n40

Test Date :2023-04-17

Test Frequency :2452 MHz

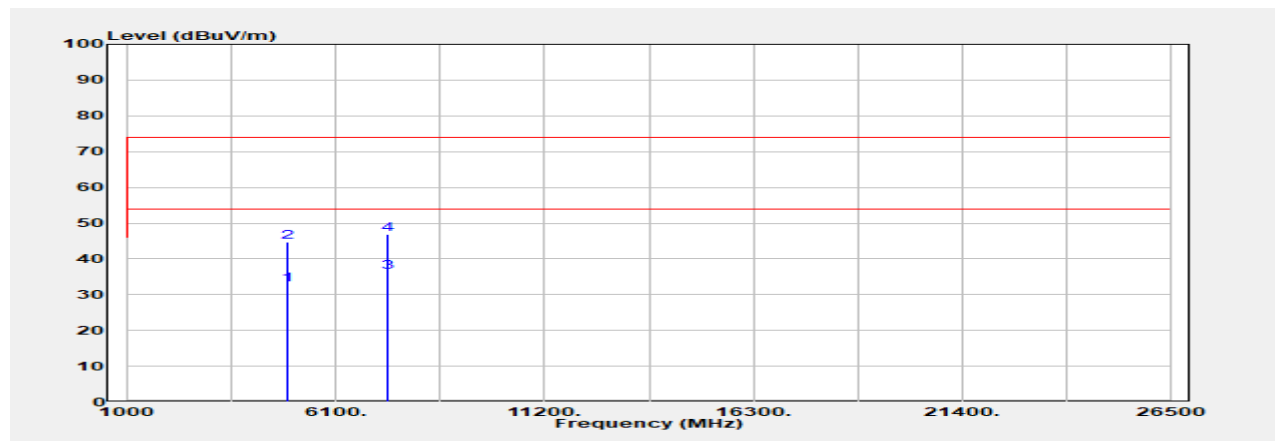
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4904.000 | Average | 29.40 | 3.40 | 32.80 | 54.00 | -21.20 |
| 4904.000 | Peak | 41.27 | 3.40 | 44.68 | 74.00 | -29.32 |
| 7356.000 | Average | 27.35 | 8.88 | 36.23 | 54.00 | -17.77 |
| 7356.000 | Peak | 38.11 | 8.88 | 46.99 | 74.00 | -27.01 |

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Report Number :TERF2303000623E2

Test Site :SAC G Chamber

Operation Mode :802.11n40

Test Date :2023-04-17

Test Frequency :2452 MHz

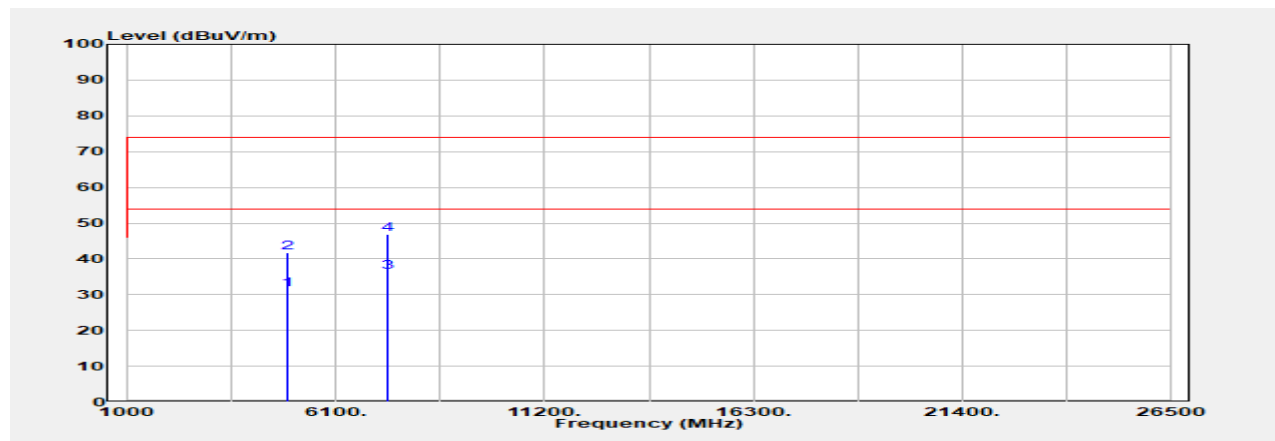
Temp./Humi. :22.6°C / 60%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|-----------|---------------|--------|--------------|--------------|--------|
| MHz | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AVG | dB μ V | dB | dB μ V/m | dB μ V/m | dB |
| 4904.000 | Average | 28.04 | 3.40 | 31.45 | 54.00 | -22.55 |
| 4904.000 | Peak | 38.41 | 3.40 | 41.81 | 74.00 | -32.19 |
| 7356.000 | Average | 27.36 | 8.88 | 36.24 | 54.00 | -17.76 |
| 7356.000 | Peak | 37.87 | 8.88 | 46.75 | 74.00 | -27.25 |

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12 POWER SPECTRAL DENSITY

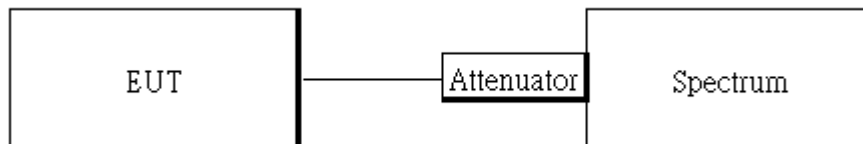
12.1 Standard Applicable

Per Part 15.247 (e)

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

12.2 Test Setup



12.3 Measurement Procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 3 kHz & VBW = 10 kHz.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.

The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

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12.4 Power spectral density

| POWER DENSITY 802.11b | | | | |
|-----------------------|------------|-------------------|---------------------|--------|
| Freq. (MHz) | Ch0 PSD | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 2412 | -2.06 | -2.06 | 8.00 | PASS |
| 2437 | -2.27 | -2.27 | 8.00 | PASS |
| 2462 | -2.37 | -2.37 | 8.00 | PASS |

| POWER DENSITY 802.11g | | | | |
|-----------------------|------------|-------------------|---------------------|--------|
| Freq. (MHz) | Ch0 PSD | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 2412 | -10.02 | -10.02 | 8.00 | PASS |
| 2437 | -9.91 | -9.91 | 8.00 | PASS |
| 2462 | -9.60 | -9.60 | 8.00 | PASS |

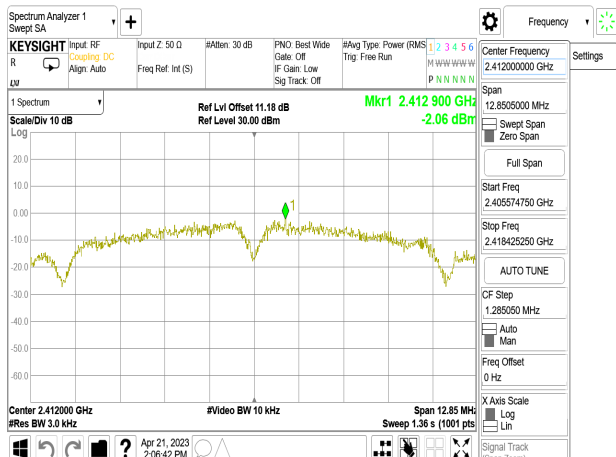
| POWER DENSITY 802.11n HT20 | | | | |
|----------------------------|------------|-------------------|---------------------|--------|
| Freq. (MHz) | Ch0 PSD | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 2412 | -11.08 | -11.08 | 8.00 | PASS |
| 2437 | -9.03 | -9.03 | 8.00 | PASS |
| 2462 | -10.51 | -10.51 | 8.00 | PASS |

| POWER DENSITY 802.11n HT40 | | | | |
|----------------------------|------------|-------------------|---------------------|--------|
| Freq. (MHz) | Ch0 PSD | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 2422 | -16.38 | -16.38 | 8.00 | PASS |
| 2437 | -11.95 | -11.95 | 8.00 | PASS |
| 2452 | -13.33 | -13.33 | 8.00 | PASS |

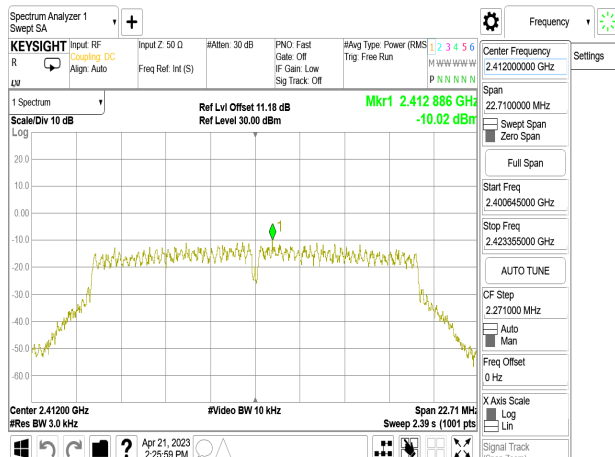
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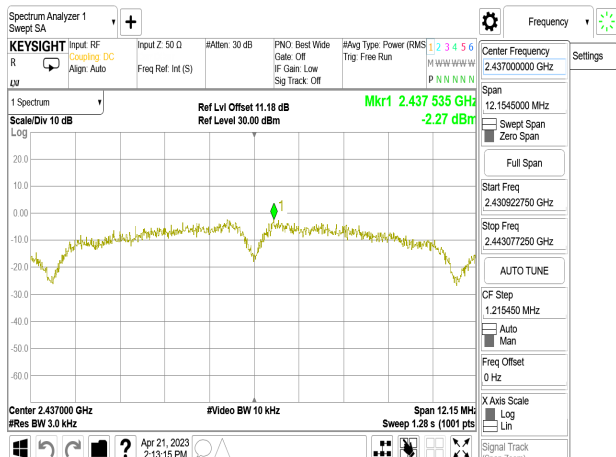
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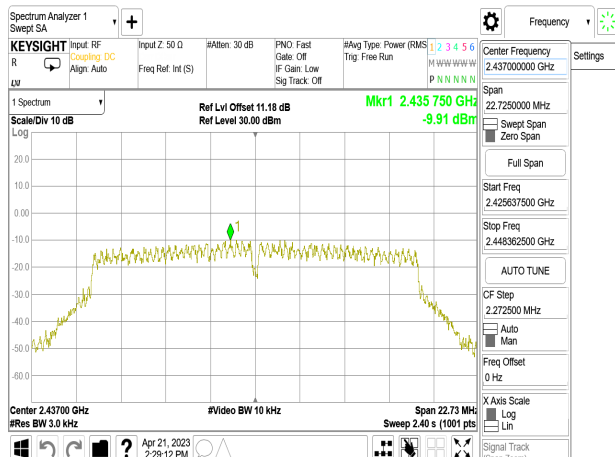
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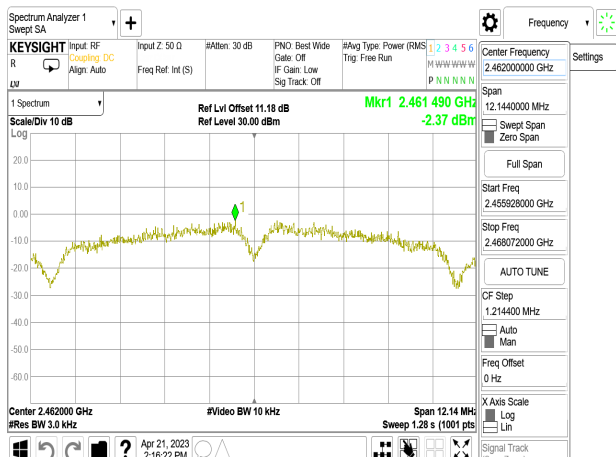
802.11b_20MHz_Chain0_2437MHz



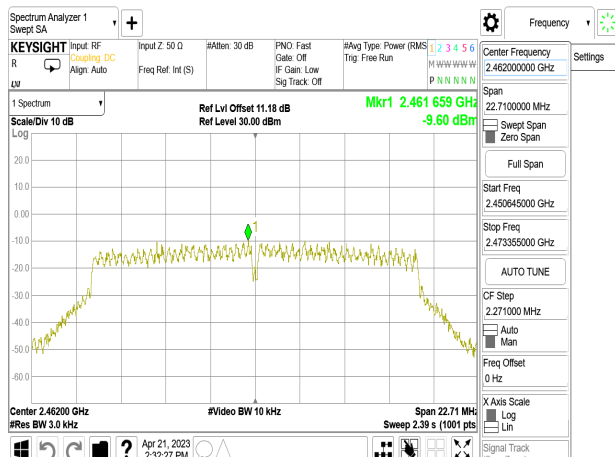
802.11g_20MHz_Chain0_2437MHz



802.11b_20MHz_Chain0_2462MHz



802.11g_20MHz_Chain0_2462MHz



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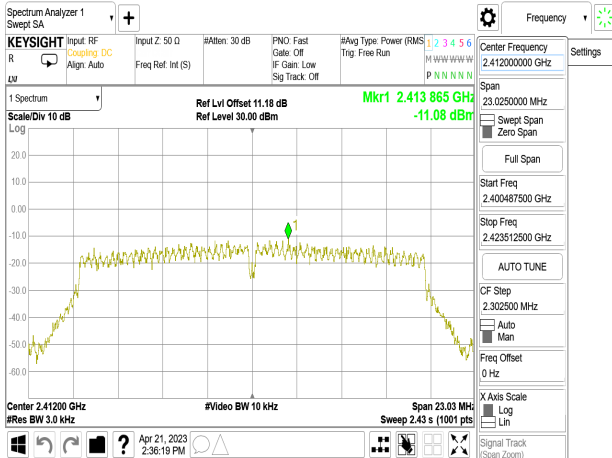
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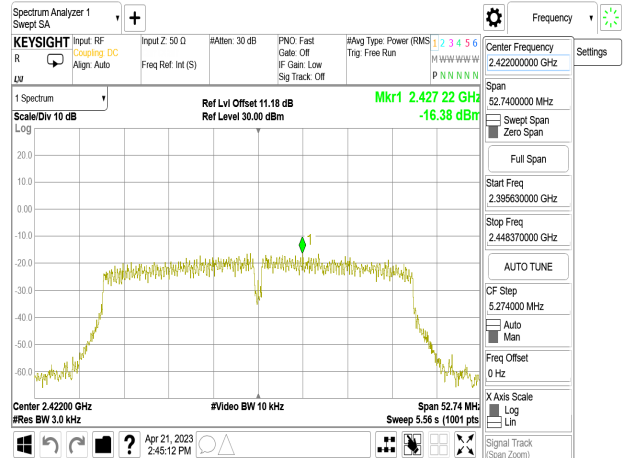
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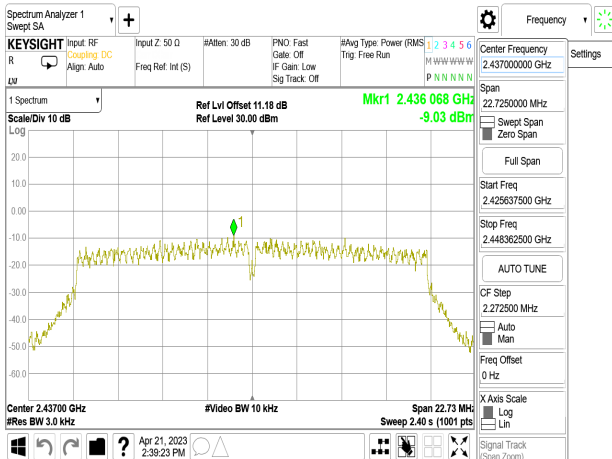
802.11n_20MHz_Chain0_2412MHz



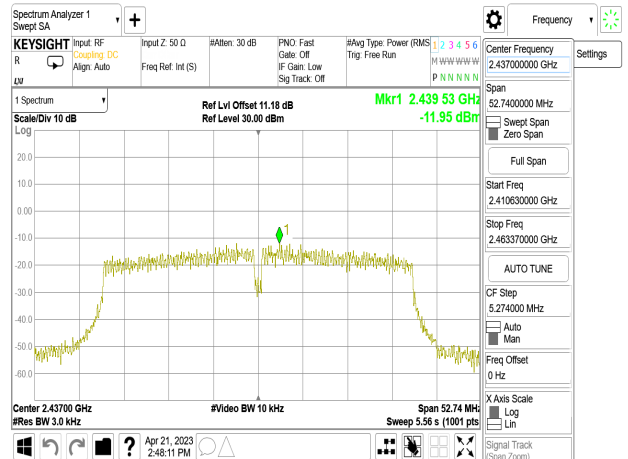
802.11n_40MHz_Chain0_2422MHz



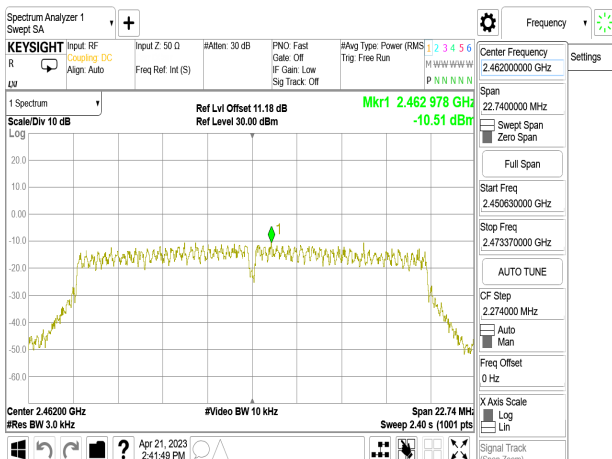
802.11n_20MHz_Chain0_2437MHz



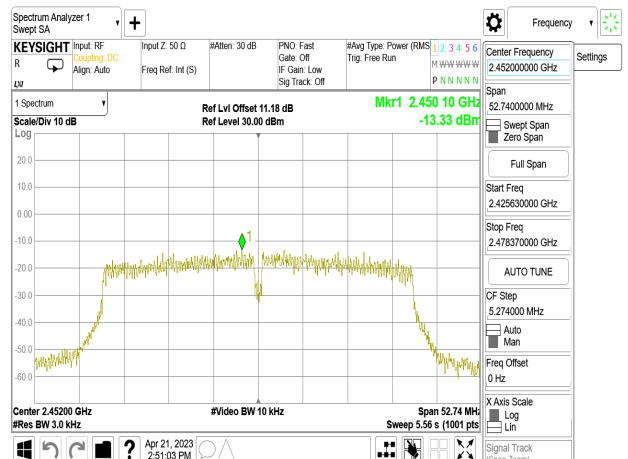
802.11n_40MHz_Chain0_2437MHz



802.11n_20MHz_Chain0_2462MHz



802.11n_40MHz_Chain0_2452MHz



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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13 ANTENNA REQUIREMENT

13.1 Standard Applicable

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

13.2 Antenna Connected Construction

The antenna complies with this requirement and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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