

Mode 2 CH78(2480MHz)



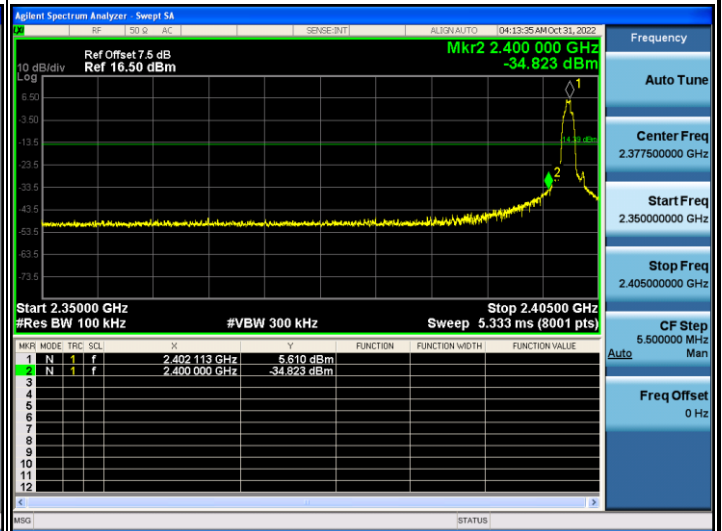
Mode 2 CH78(2480MHz)



Mode 3 CH00(2402MHz)



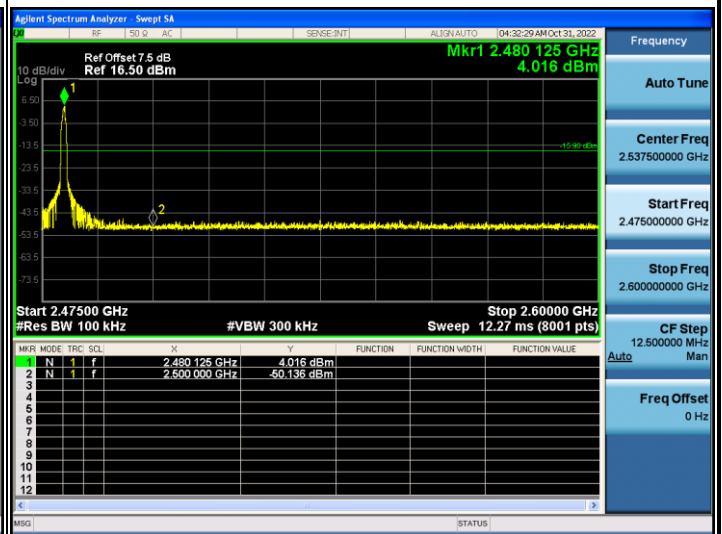
Mode 3 CH00(2402MHz)



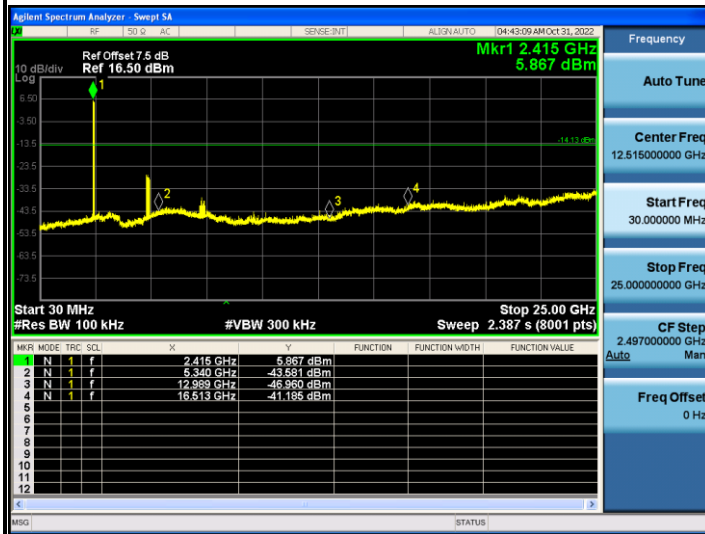
Mode 3 CH78(2480MHz)



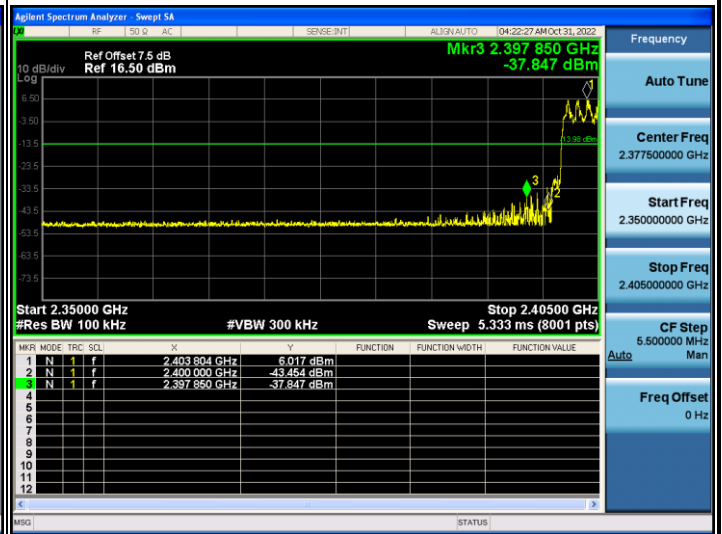
Mode 3 CH78(2480MHz)



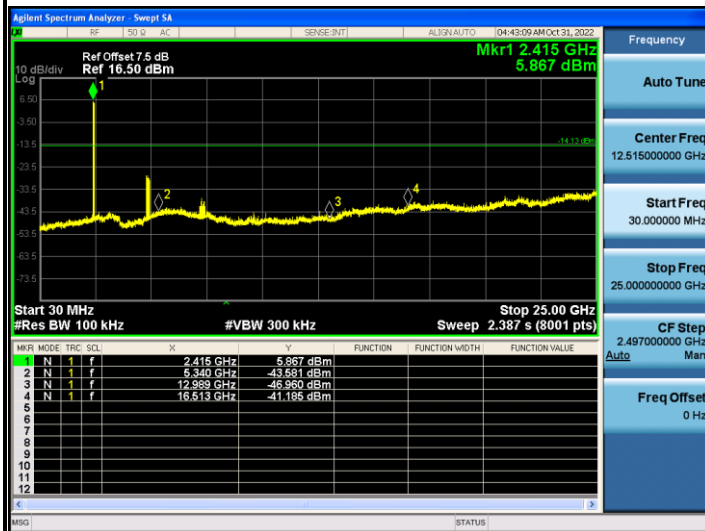
Mode 4 Frequency Hopping - GFSK_DH5



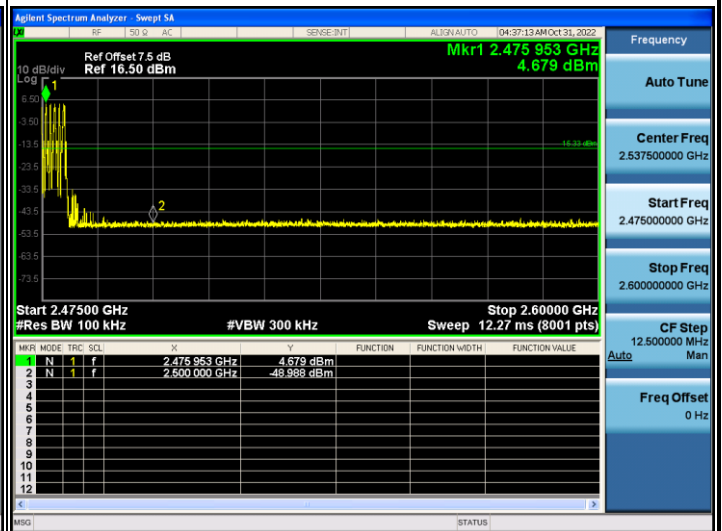
Mode 4 Frequency Hopping - GFSK_DH5



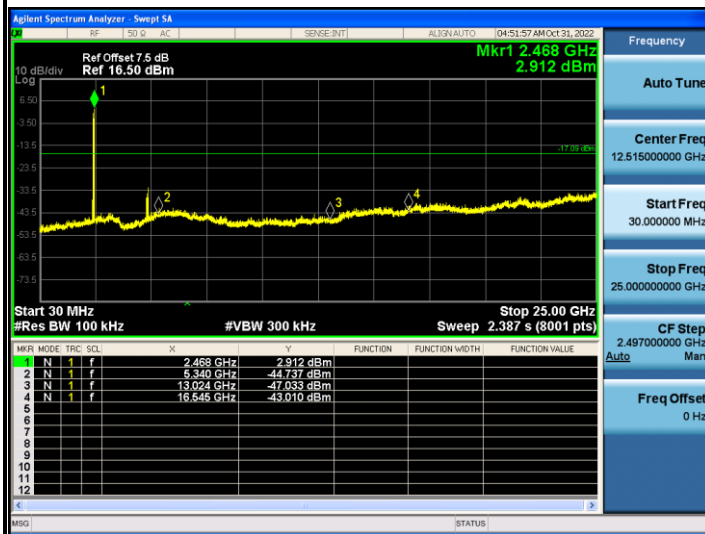
Mode 4 Frequency Hopping - GFSK_DH5



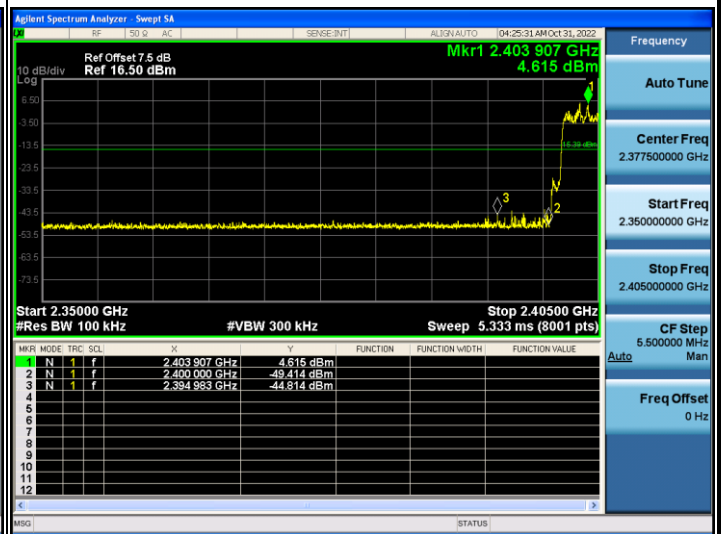
Mode 4 Frequency Hopping - GFSK_DH5

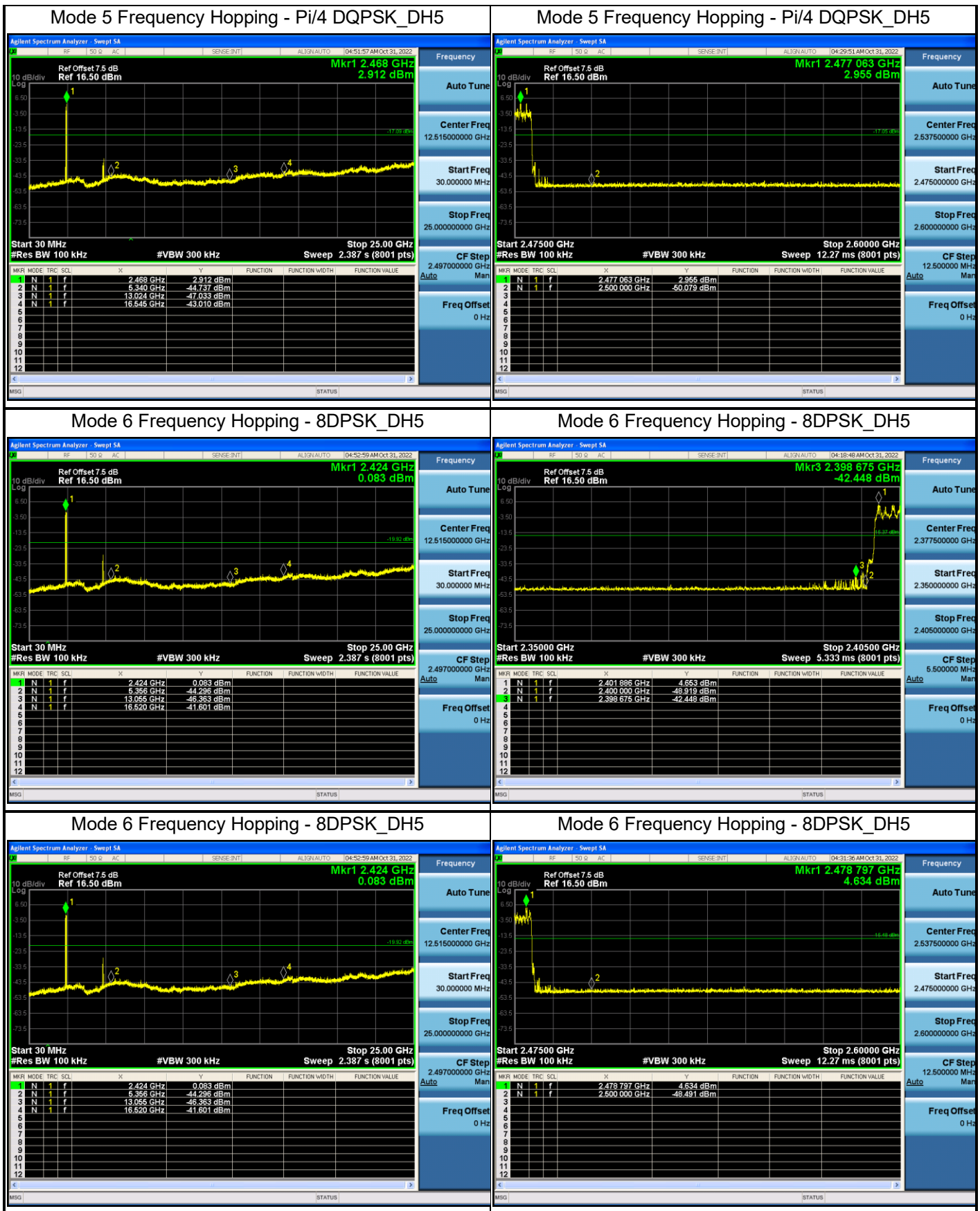


Mode 5 Frequency Hopping - Pi/4 DQPSK_DH5



Mode 5 Frequency Hopping - Pi/4 DQPSK_DH5





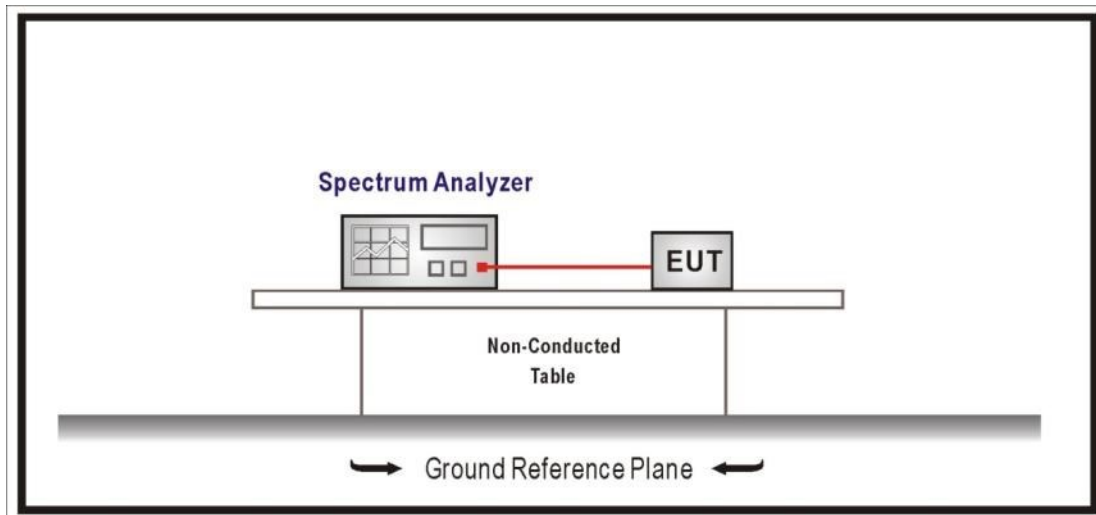
4.9 Duty cycle

VERDICT: PASS

4.9.1 Limit

N/A

4.9.2 Test Setup



4.9.3 Test Procedure

| References Rule | Chapter | Description |
|---|---------|--|
| <input checked="" type="checkbox"/> ANSI C63.10 | 11.6 | Duty cycle (D), transmission duration (T), and maximum power control level |

4.9.4 Test Data

| Test Mode | Tx On (ms) | Tx Off (ms) | VBW (kHz) | Tx On + Tx Off (ms) | Duty Cycle (%) |
|-----------|------------|-------------|-----------|---------------------|----------------|
| Mode 1 | 2.89 | 0.86 | 0.35 | 3.75 | 77.07 |
| Mode 2 | 2.89 | 0.87 | 0.35 | 3.76 | 76.86 |
| Mode 3 | 2.89 | 0.86 | 0.35 | 3.75 | 77.07 |

Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

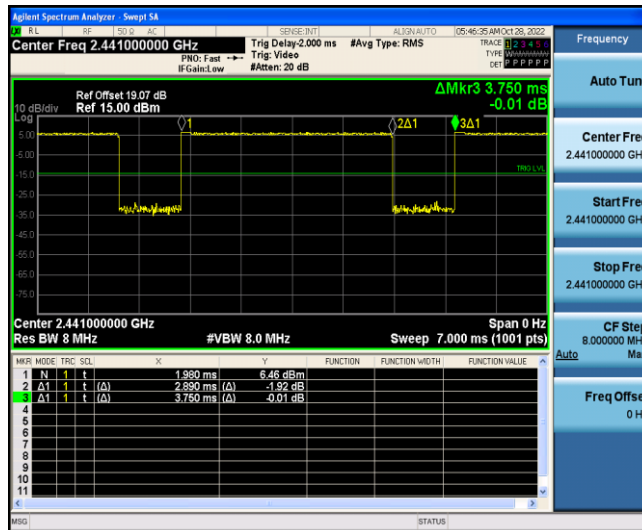
Note 2: According to KDB 558074, when test for Radiated Emission Band Edge and Radiated Emission, for average detector set: $VBW \geq 1/T$ will be used.

Mode 1 CH39 2441MHz

Mode 2 CH39 2441MHz



Mode 3 CH39 2441MHz



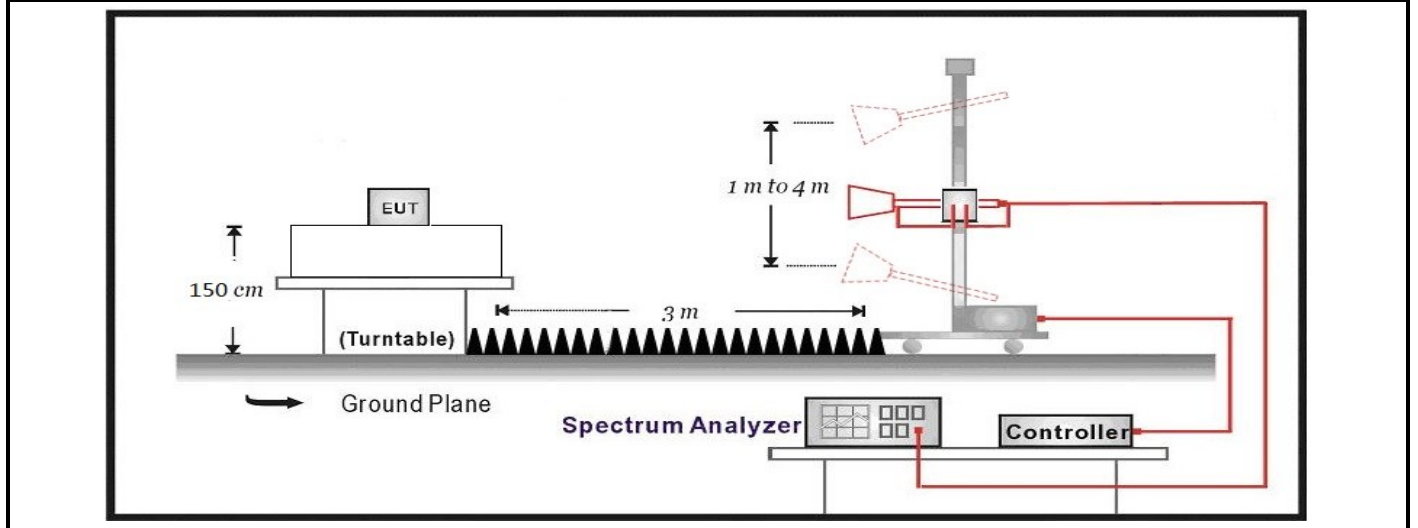
| | |
|-----------------------|----------------------|
| 4.10 Band Edge | VERDICT: PASS |
|-----------------------|----------------------|

4.10.1 Limit

| Standard | | FCC Part 15 Subpart C Paragraph 15.247(d) ,15.209 | | |
|-----------------------|----------|---|-----------|--------------|
| Frequency bands (MHz) | Detector | Limit (dB μ V/m) | RBW (MHz) | Distance (m) |
| 2310-2390 | PK | 74 | 1 | 3 |
| 2483.5-2500 | AV | 54 | 1 | 3 |

Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.

4.10.2 Test Setup

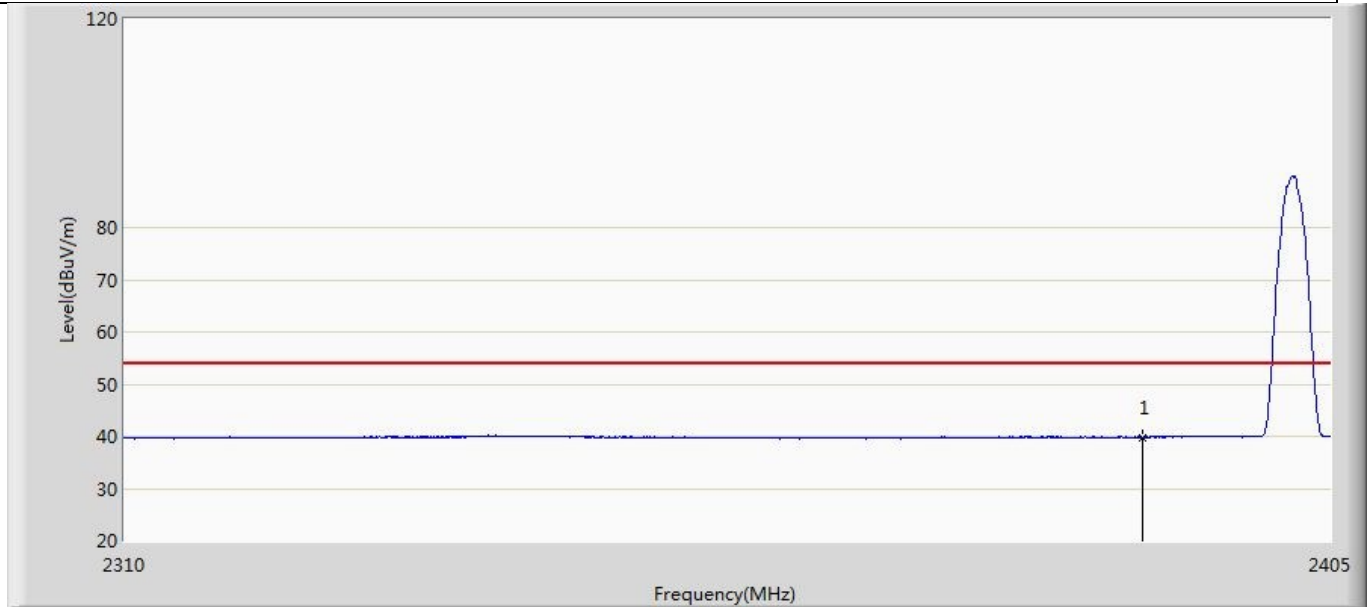


4.10.3 Test Procedure

| Test Method | | | |
|-------------------------------------|---|---------|--|
| | References Rule | Chapter | Description |
| <input type="checkbox"/> | DA 00-705 | N/A | duty cycle correction factor |
| <input checked="" type="checkbox"/> | ANSI C63.10 | 6.10 | Band-edge testing |
| | <input checked="" type="checkbox"/> ANSI C63.10 | 6.10.5 | Restricted-band band-edge measurements |
| | <input type="checkbox"/> ANSI C63.10 | 6.10.6 | Marker-delta method |
| <input type="checkbox"/> | ANSI C63.10 | 6.4 | Radiated emissions from unlicensed wireless devices below 30 MHz |
| <input type="checkbox"/> | ANSI C63.10 | 6.5 | Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz |
| <input type="checkbox"/> | ANSI C63.10 | 6.6 | Radiated emissions from unlicensed wireless devices above 1 GHz |

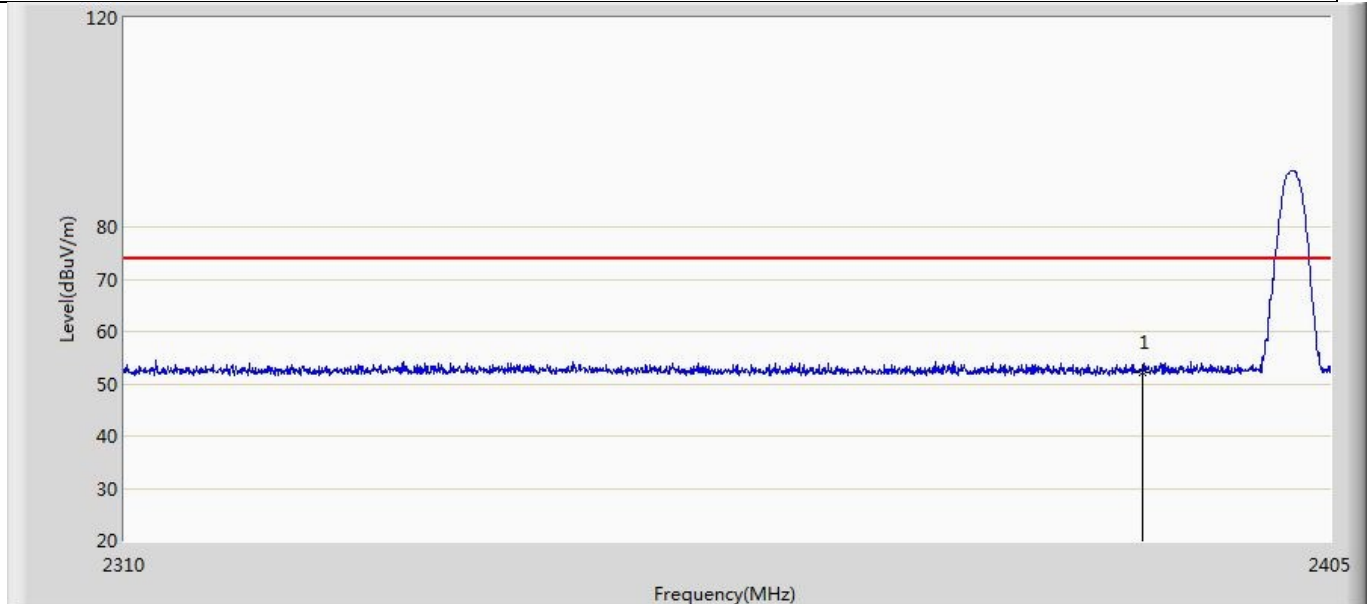
4.10.4 Test Data

| | |
|--|--------------------------|
| Profile: 2290946R | Page No.: 1 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 23:46 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 1: Transmit at 2402MHz by 1Mbps(GFSK_DH5) | |



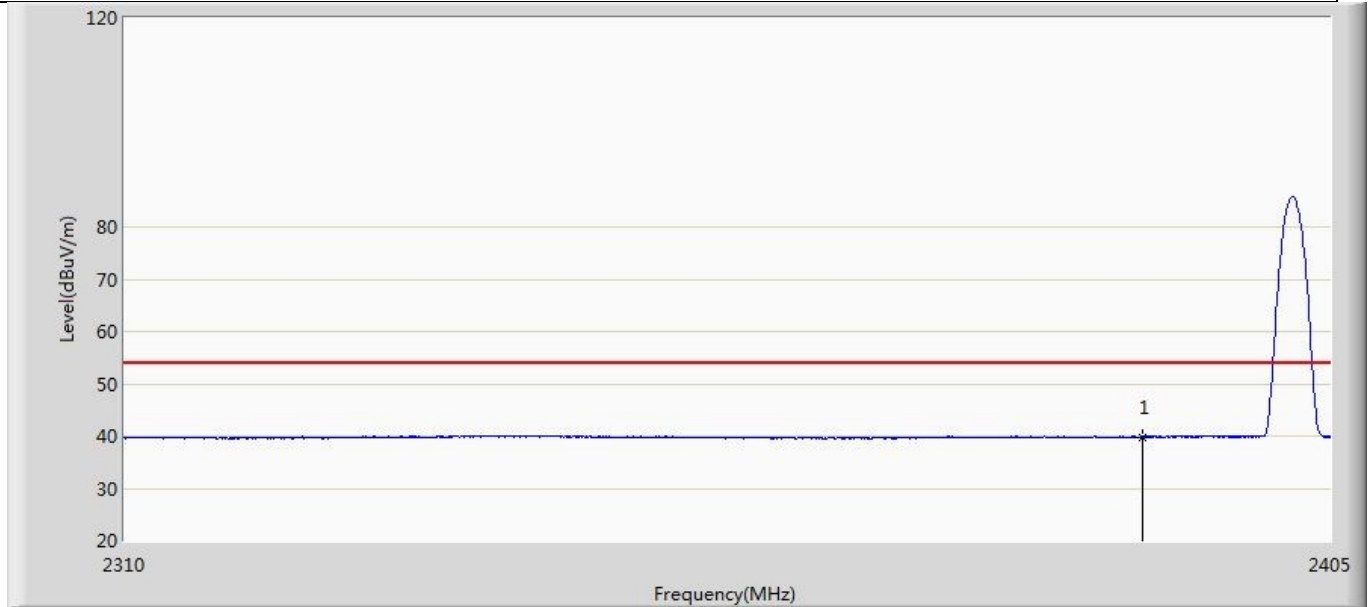
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 39.788 | 4.329 | -14.212 | 54.000 | 35.459 | AV |

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| Profile: 2290946R | Page No.: 2 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 23:48 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 1: Transmit at 2402MHz by 1Mbps(GFSK_DH5) | |



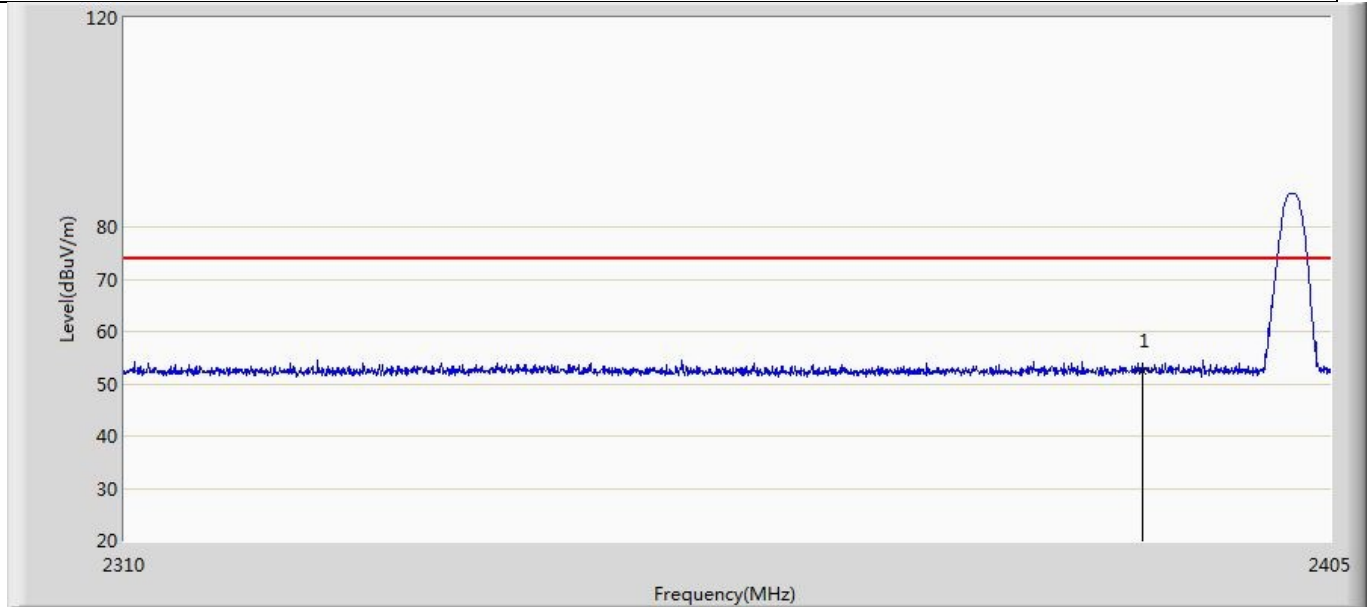
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 52.176 | 16.717 | -21.824 | 74.000 | 35.459 | PK |

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| Profile: 2290946R | Page No.: 3 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 23:50 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 1: Transmit at 2402MHz by 1Mbps(GFSK_DH5) | |



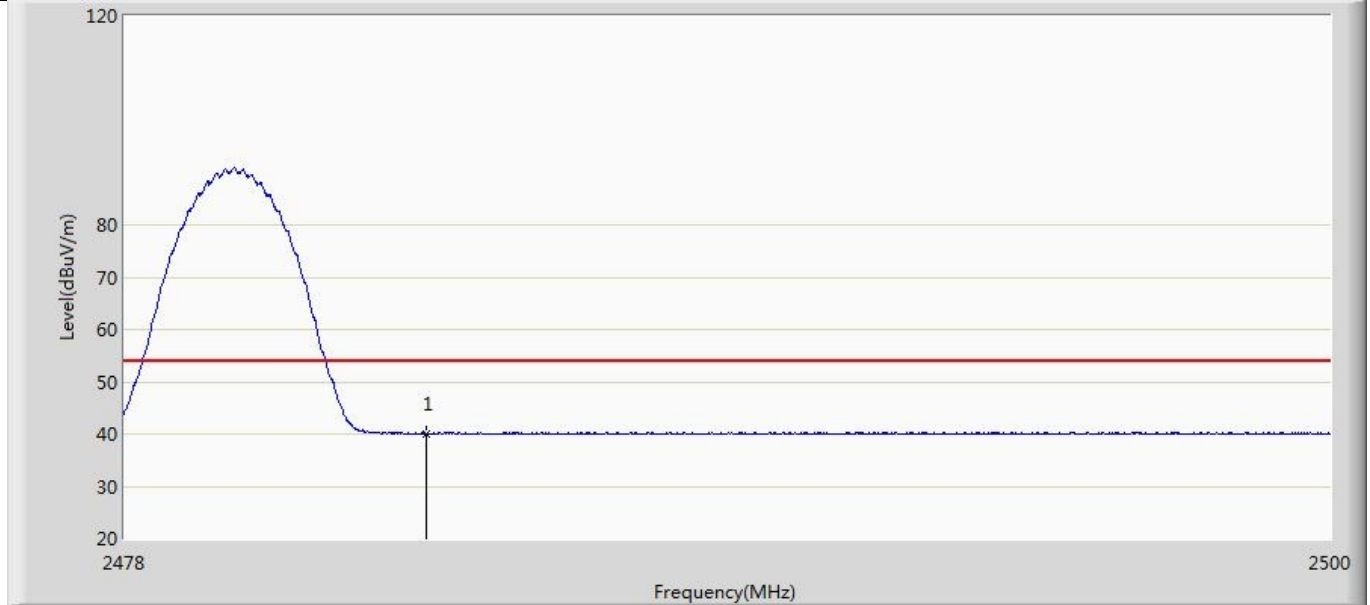
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 39.811 | 4.352 | -14.189 | 54.000 | 35.459 | AV |

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| Profile: 2290946R | Page No.: 4 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 23:53 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 1: Transmit at 2402MHz by 1Mbps(GFSK_DH5) | |



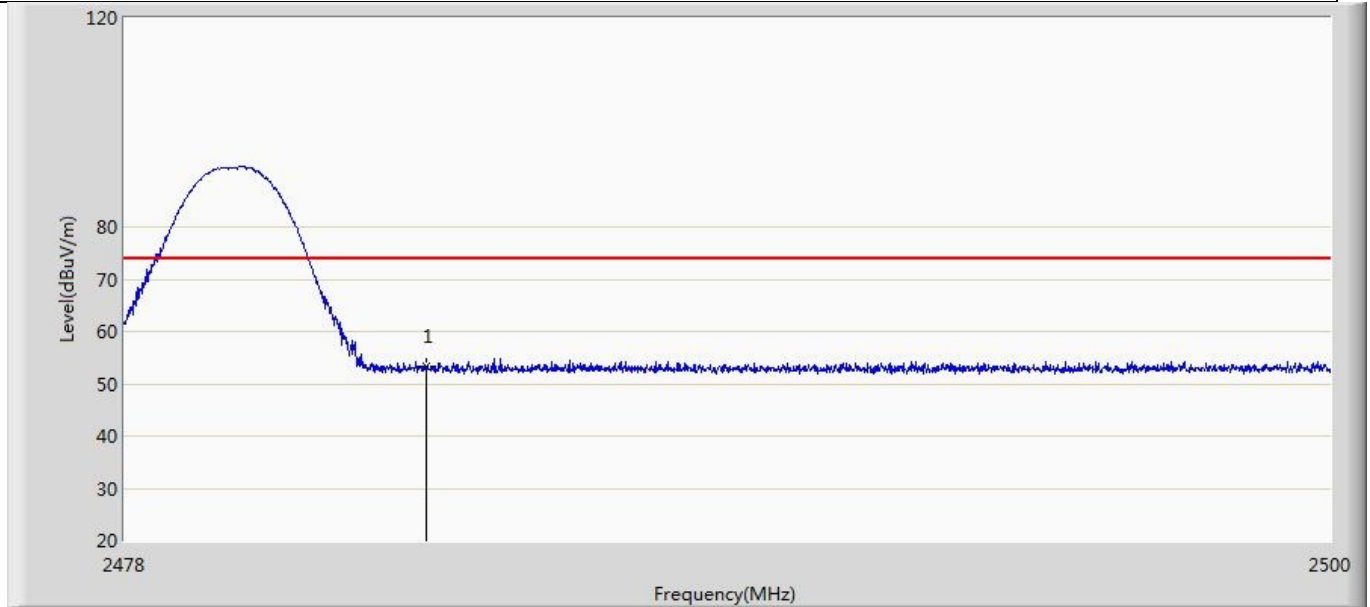
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 52.326 | 16.867 | -21.674 | 74.000 | 35.459 | PK |

| | |
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| Profile: 2290946R | Page No.: 5 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 23:55 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 1: Transmit at 2480MHz by 1Mbps(GFSK_DH5) | |



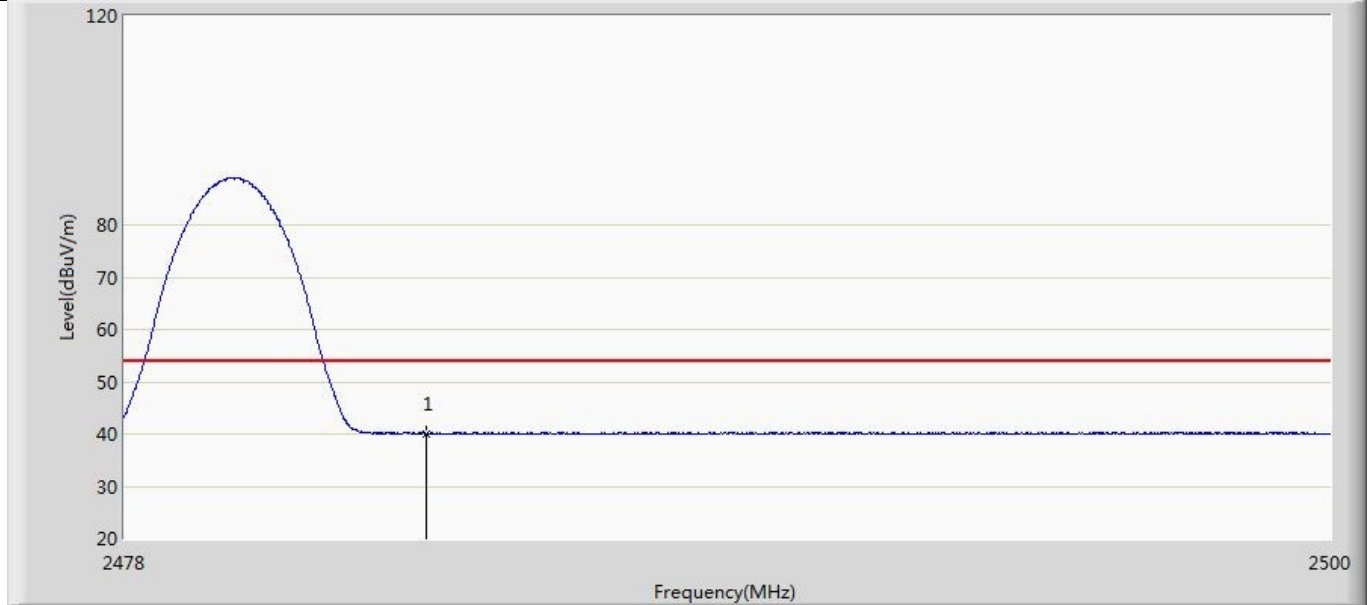
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 40.098 | 4.423 | -13.902 | 54.000 | 35.675 | AV |

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| Profile: 2290946R | Page No.: 6 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 23:58 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 1: Transmit at 2480MHz by 1Mbps(GFSK_DH5) | |



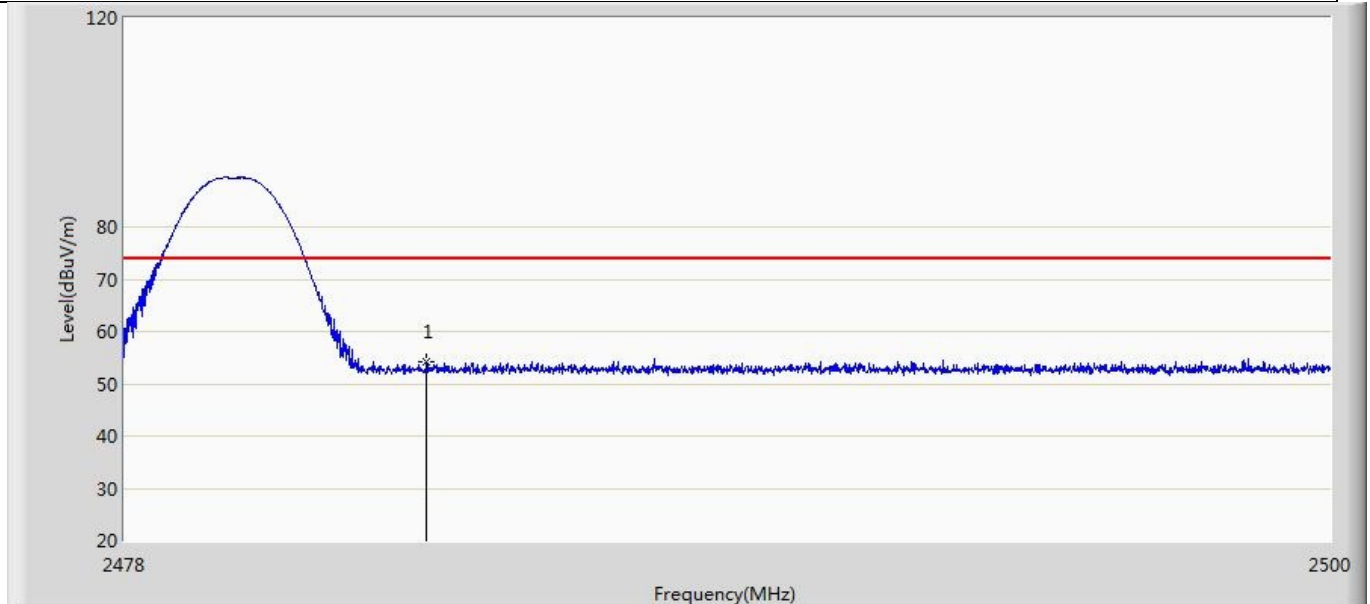
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 53.279 | 17.604 | -20.721 | 74.000 | 35.675 | PK |

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| Profile: 2290946R | Page No.: 7 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:02 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 1: Transmit at 2480MHz by 1Mbps(GFSK_DH5) | |



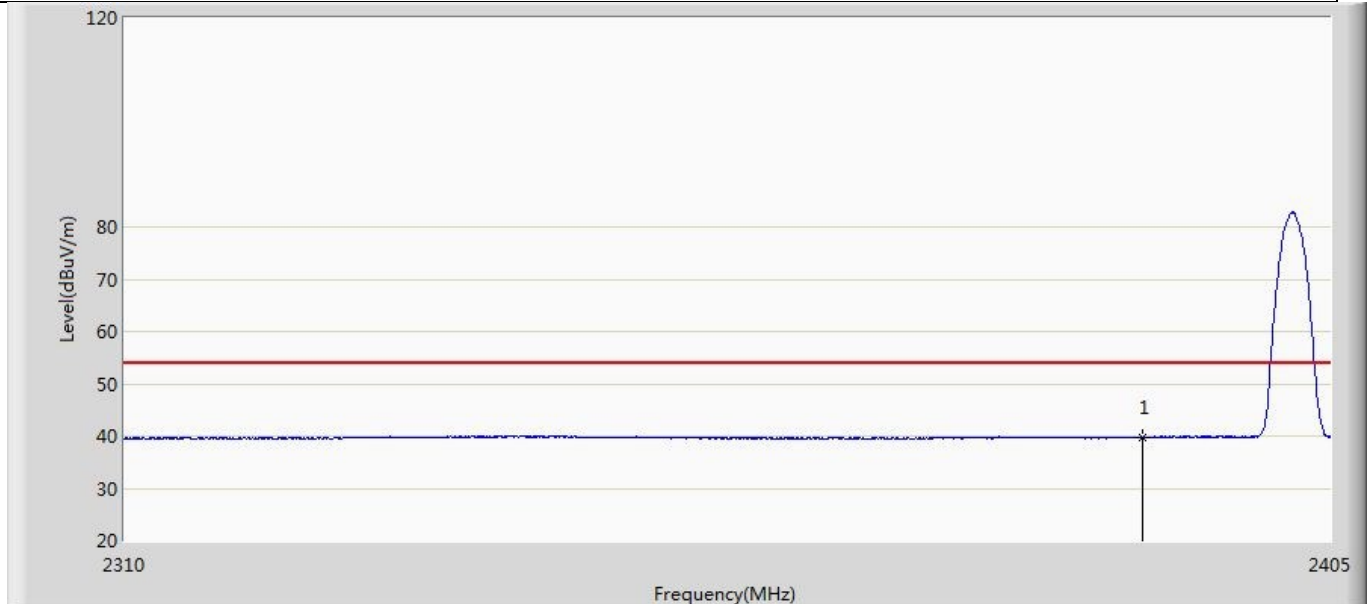
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 40.059 | 4.384 | -13.941 | 54.000 | 35.675 | AV |

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| Profile: 2290946R | Page No.: 8 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:04 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 1: Transmit at 2480MHz by 1Mbps(GFSK_DH5) | |



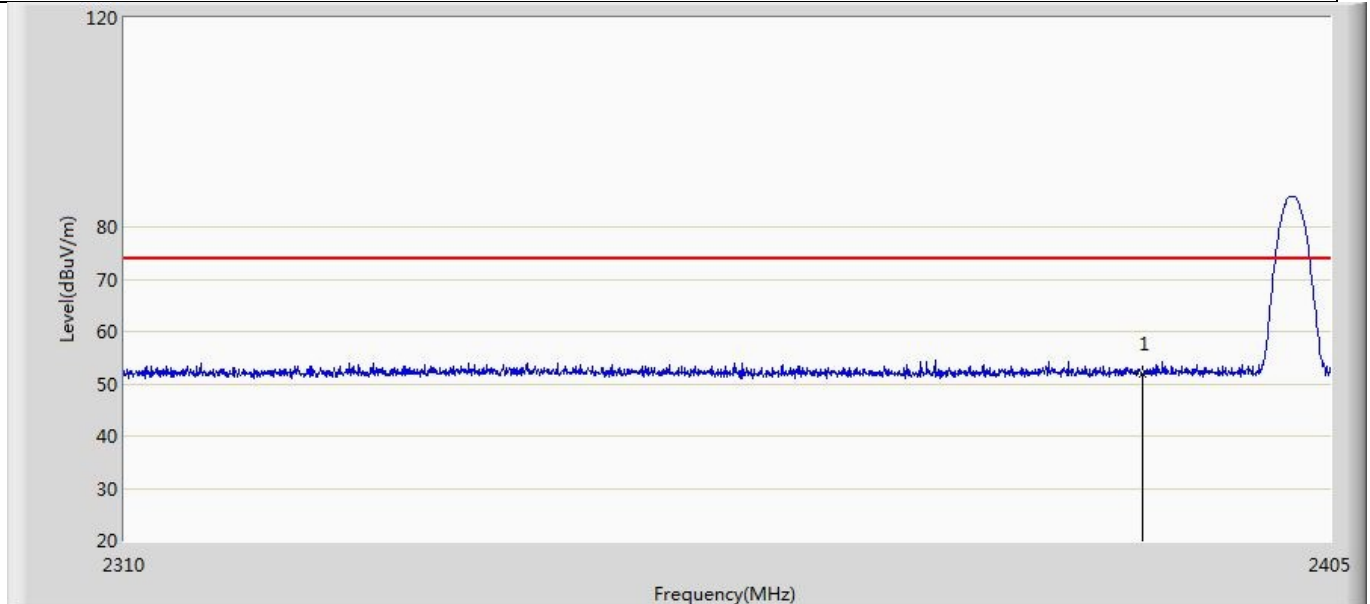
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 54.158 | 18.483 | -19.842 | 74.000 | 35.675 | PK |

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| Profile: 2290946R | Page No.: 9 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:07 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 2: Transmit at 2402MHz by 2Mbps(Pi/4 DQPSK_DH5) | |



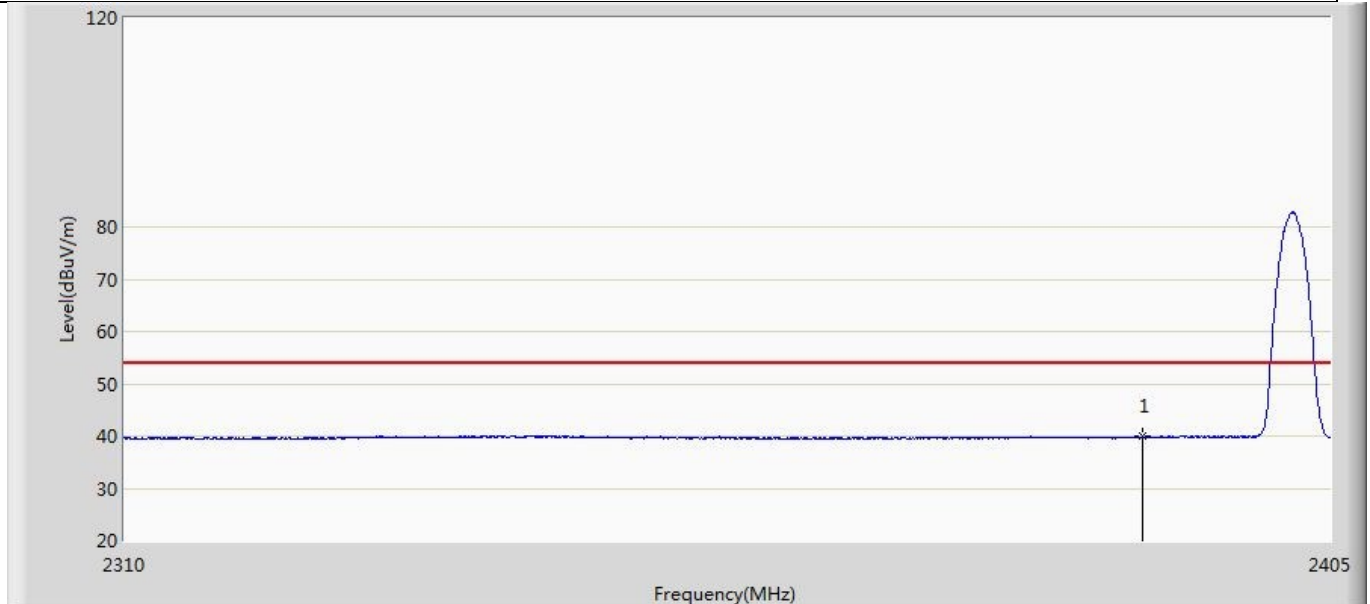
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 39.772 | 4.313 | -14.228 | 54.000 | 35.459 | AV |

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| Profile: 2290946R | Page No.: 10 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:09 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 2: Transmit at 2402MHz by 2Mbps(Pi/4 DQPSK_DH5) | |



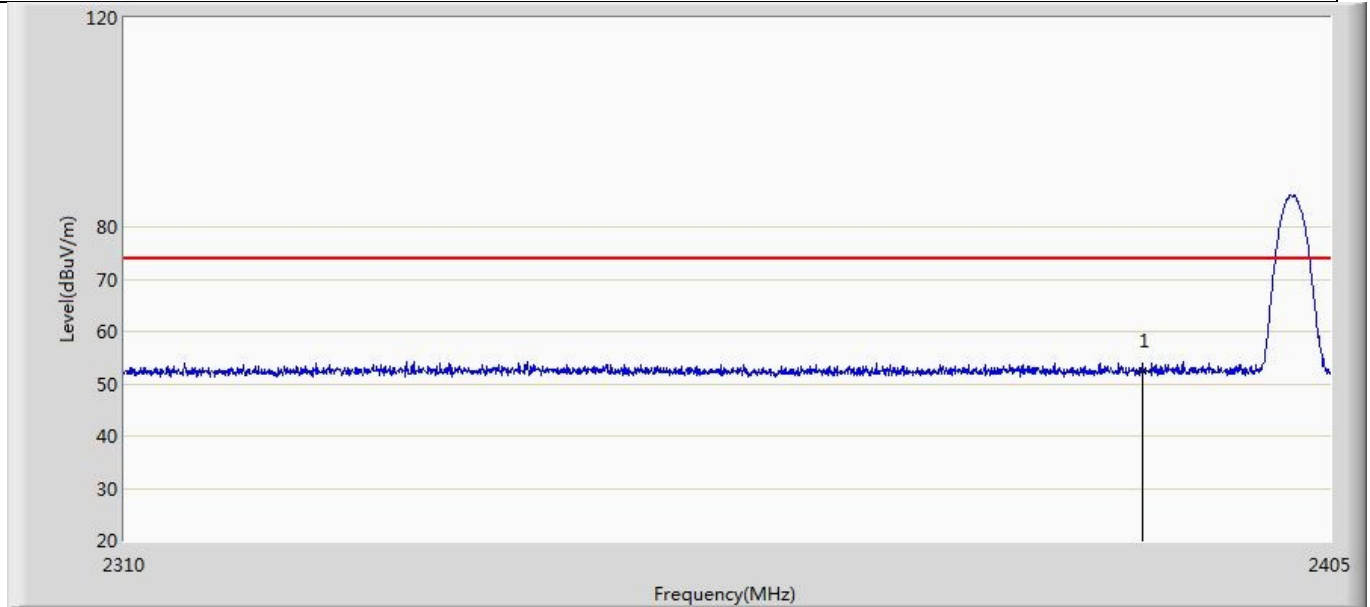
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 51.879 | 16.420 | -22.121 | 74.000 | 35.459 | PK |

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| Profile: 2290946R | Page No.: 11 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:11 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 2: Transmit at 2402MHz by 2Mbps(Pi/4 DQPSK_DH5) | |



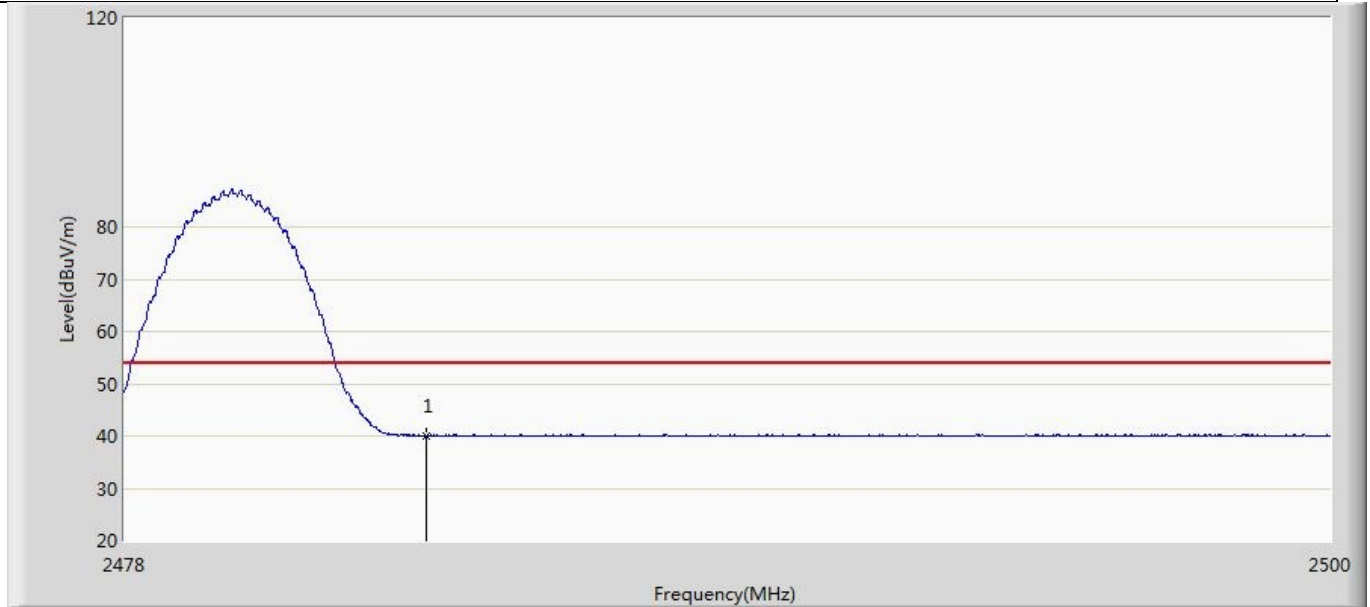
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 39.910 | 4.451 | -14.090 | 54.000 | 35.459 | AV |

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| Profile: 2290946R | Page No.: 12 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:12 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 2: Transmit at 2402MHz by 2Mbps(Pi/4 DQPSK_DH5) | |



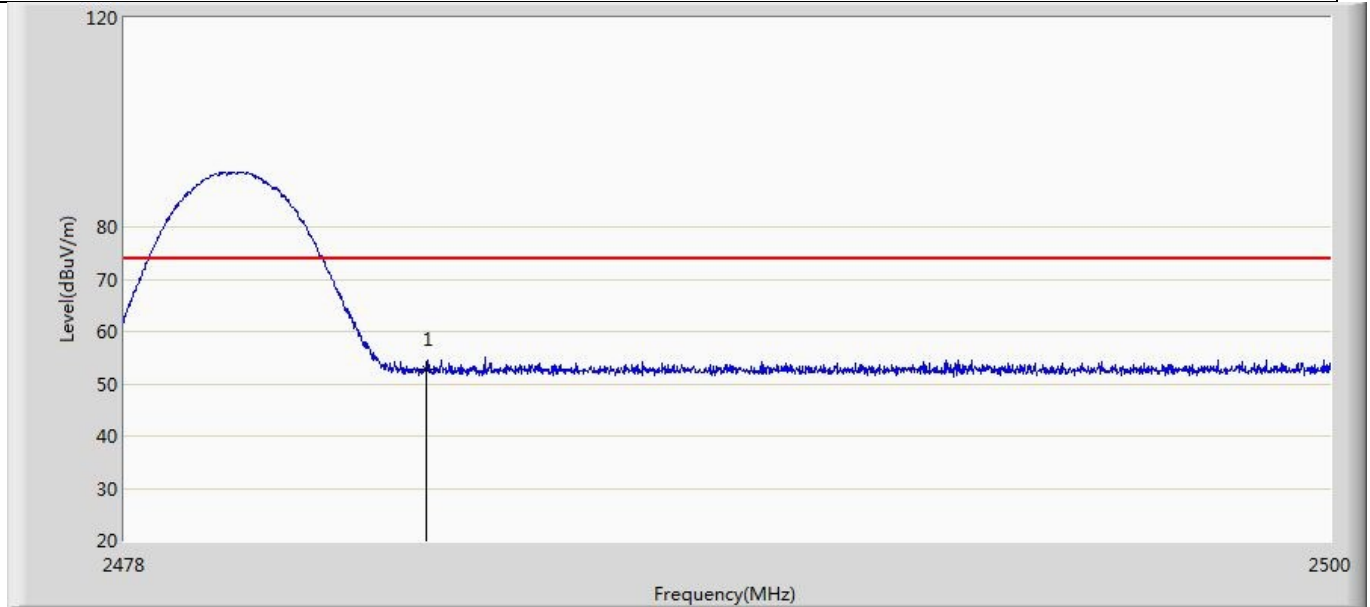
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 52.334 | 16.875 | -21.666 | 74.000 | 35.459 | PK |

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| Profile: 2290946R | Page No.: 13 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:14 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 2: Transmit at 2480MHz by 2Mbps(Pi/4 DQPSK_DH5) | |



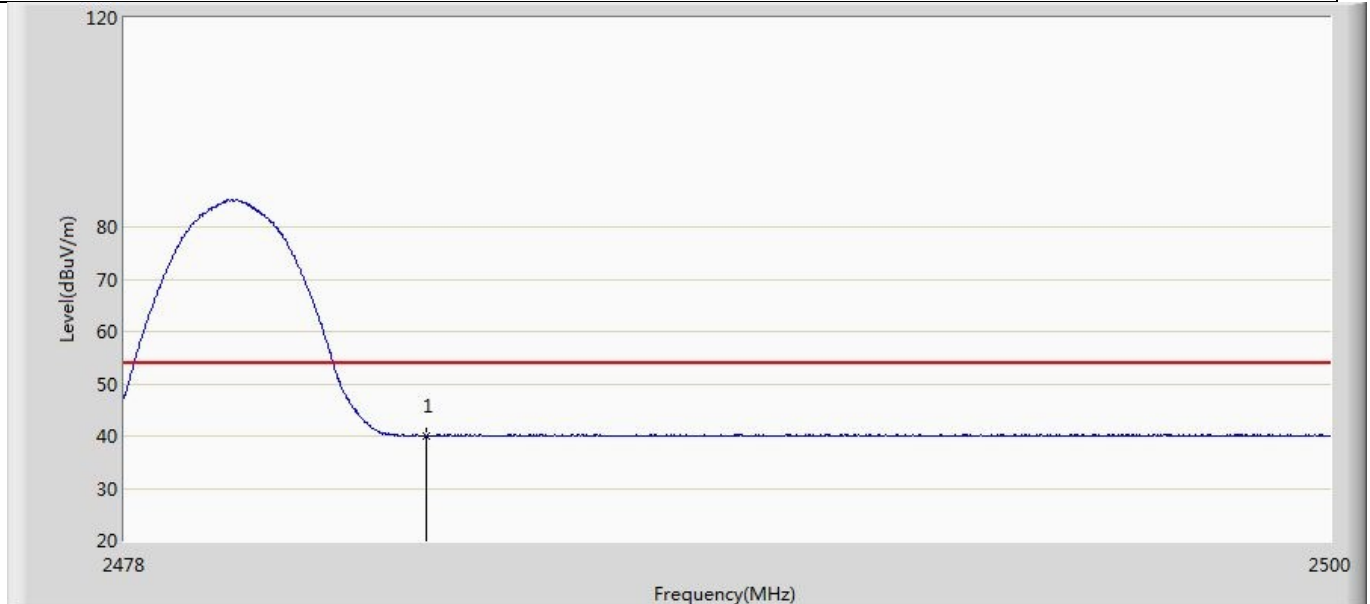
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 39.997 | 4.322 | -14.003 | 54.000 | 35.675 | AV |

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| Profile: 2290946R | Page No.: 14 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:16 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 2: Transmit at 2480MHz by 2Mbps(Pi/4 DQPSK_DH5) | |



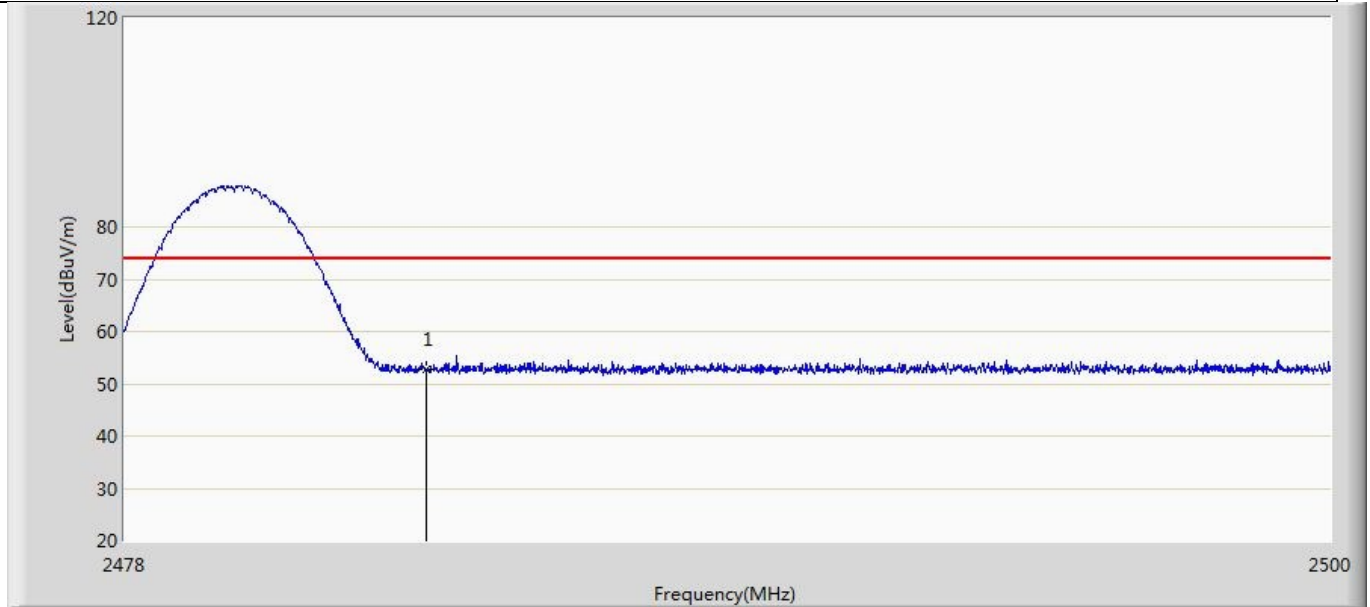
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 52.743 | 17.068 | -21.257 | 74.000 | 35.675 | PK |

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| Profile: 2290946R | Page No.: 15 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:18 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 2: Transmit at 2480MHz by 2Mbps(Pi/4 DQPSK_DH5) | |



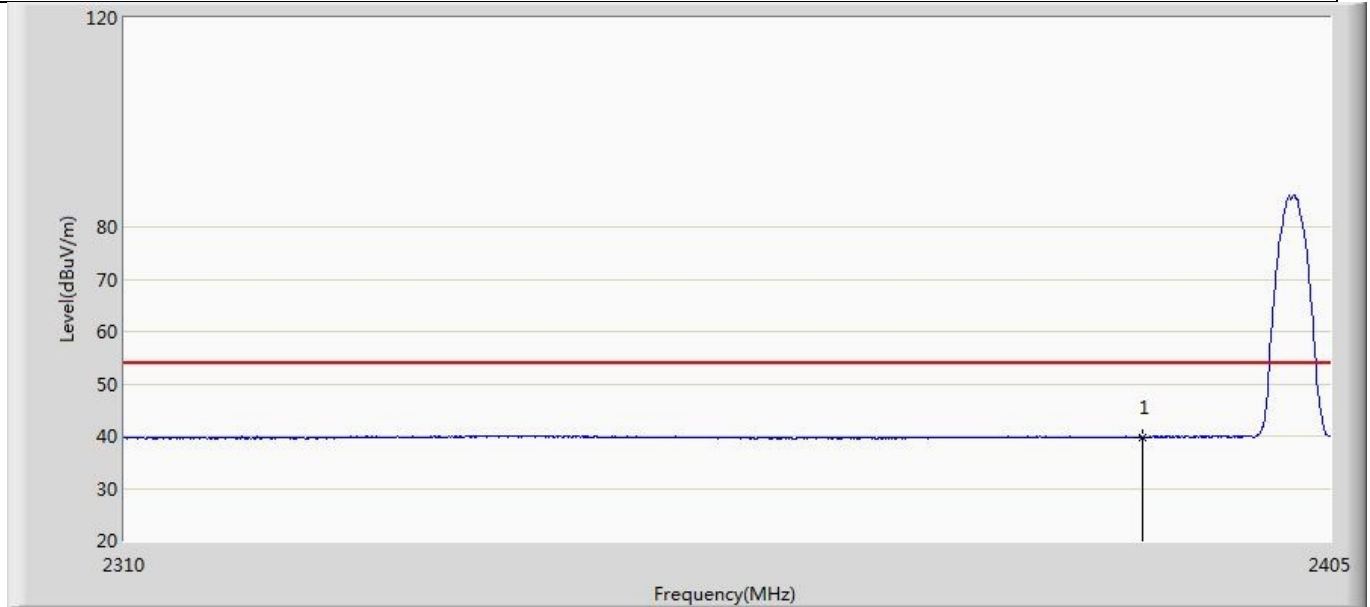
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 40.101 | 4.426 | -13.899 | 54.000 | 35.675 | AV |

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| Profile: 2290946R | Page No.: 16 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:21 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 2: Transmit at 2480MHz by 2Mbps(Pi/4 DQPSK_DH5) | |



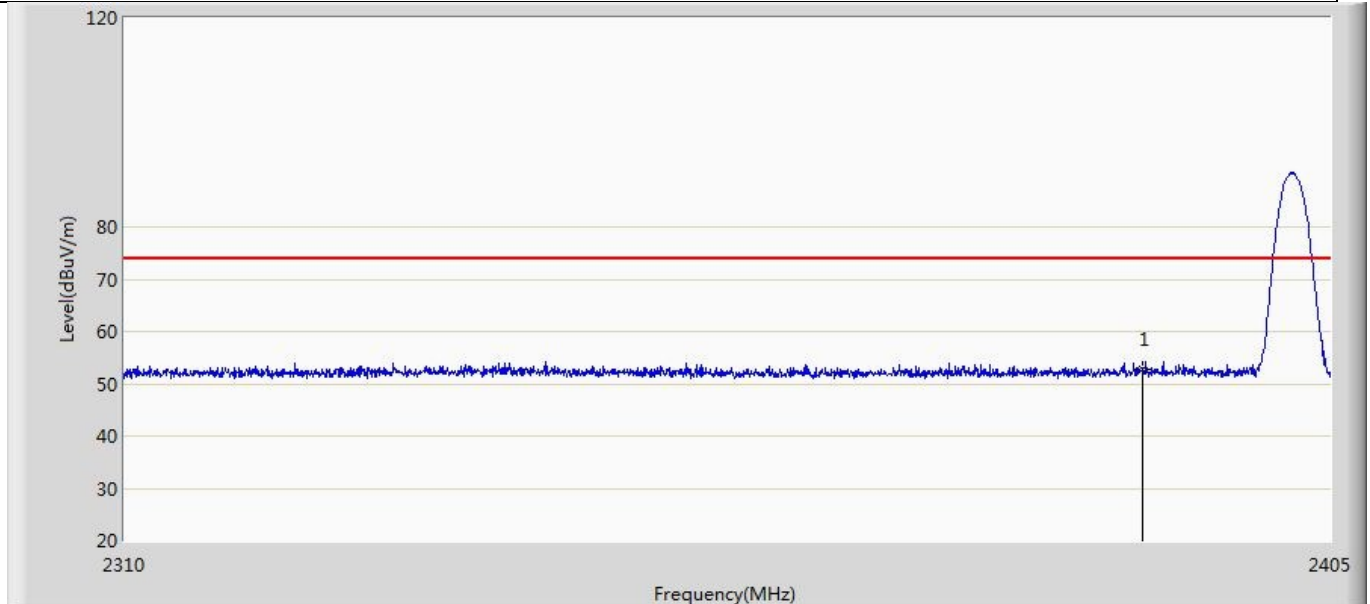
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 52.838 | 17.163 | -21.162 | 74.000 | 35.675 | PK |

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| Profile: 2290946R | Page No.: 17 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:23 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 3: Transmit at 2402MHz by 3Mbps(8DPSK_DH5) | |



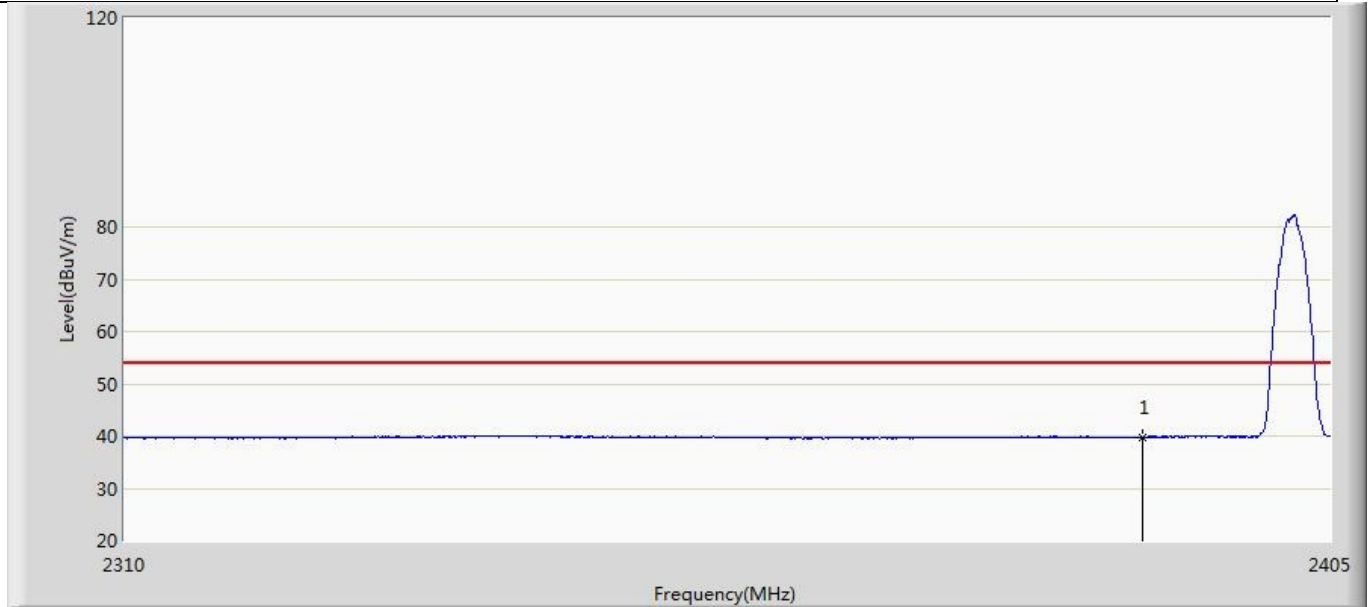
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 39.818 | 4.359 | -14.182 | 54.000 | 35.459 | AV |

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| Profile: 2290946R | Page No.: 18 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:25 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 3: Transmit at 2402MHz by 3Mbps(8DPSK_DH5) | |



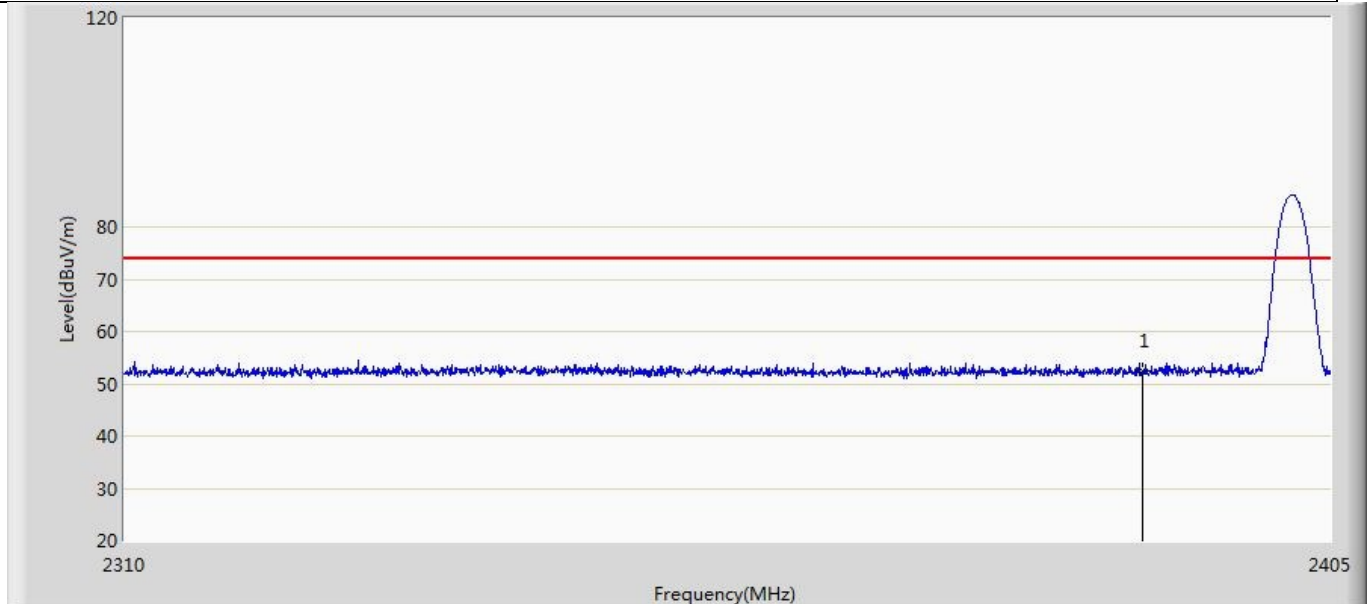
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 52.647 | 17.188 | -21.353 | 74.000 | 35.459 | PK |

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| Profile: 2290946R | Page No.: 19 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:28 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 3: Transmit at 2402MHz by 3Mbps(8DPSK_DH5) | |



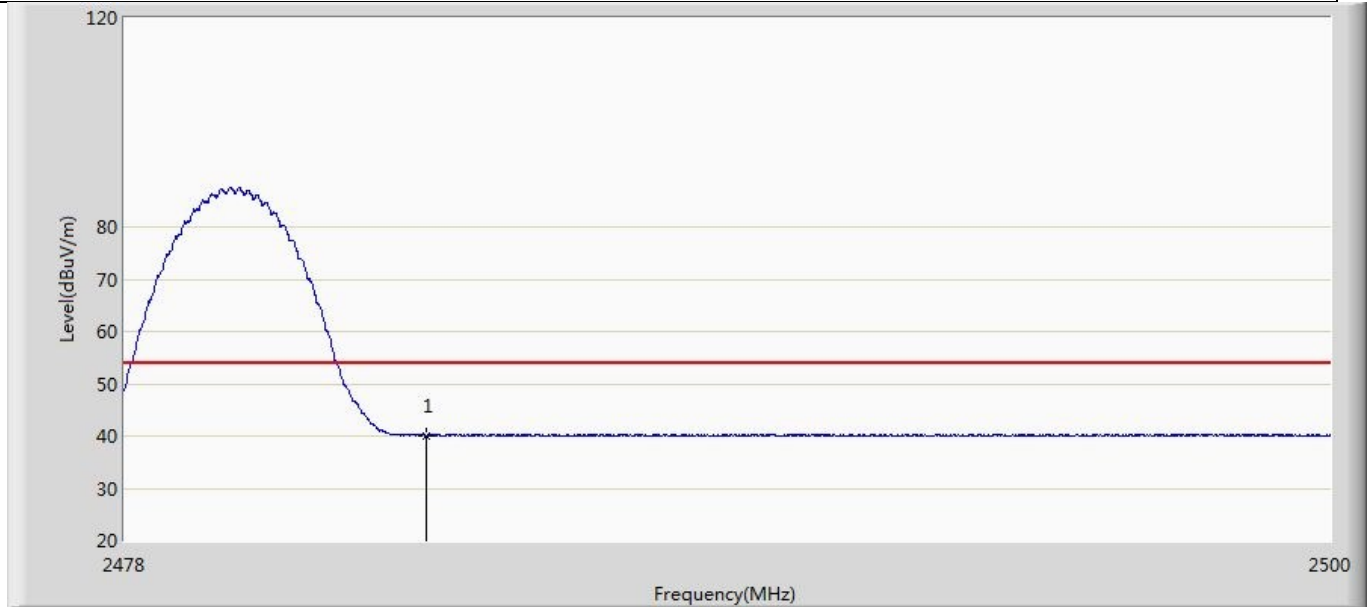
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 39.751 | 4.292 | -14.249 | 54.000 | 35.459 | AV |

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|---|--------------------------|
| Profile: 2290946R | Page No.: 20 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:30 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 3: Transmit at 2402MHz by 3Mbps(8DPSK_DH5) | |



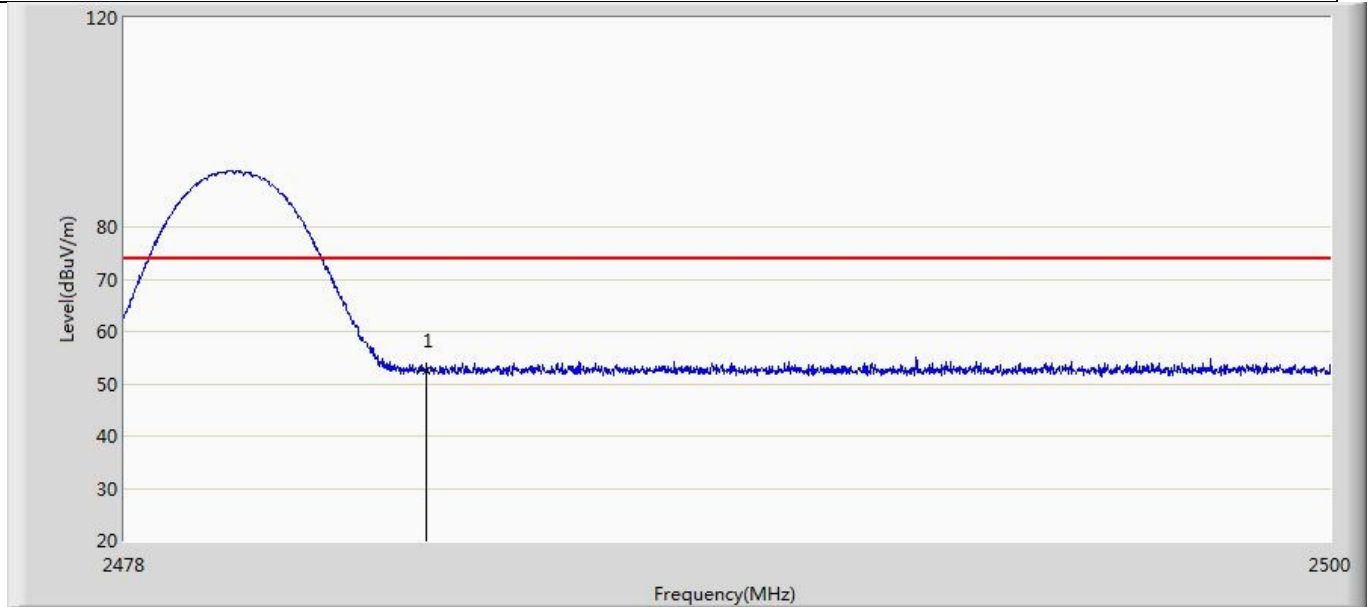
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2390.000 | 52.336 | 16.877 | -21.664 | 74.000 | 35.459 | PK |

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| Profile: 2290946R | Page No.: 21 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:32 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 3: Transmit at 2480MHz by 3Mbps(8DPSK_DH5) | |



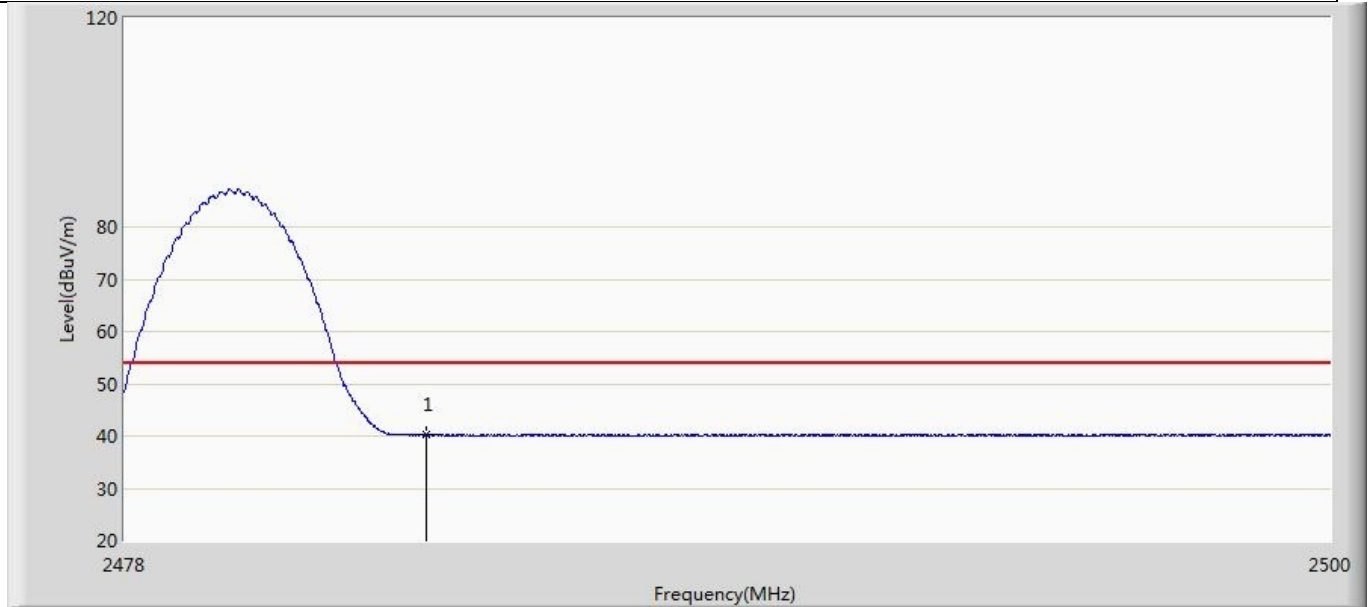
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 40.093 | 4.418 | -13.907 | 54.000 | 35.675 | AV |

| | |
|---|--------------------------|
| Profile: 2290946R | Page No.: 22 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:35 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 3: Transmit at 2480MHz by 3Mbps(8DPSK_DH5) | |



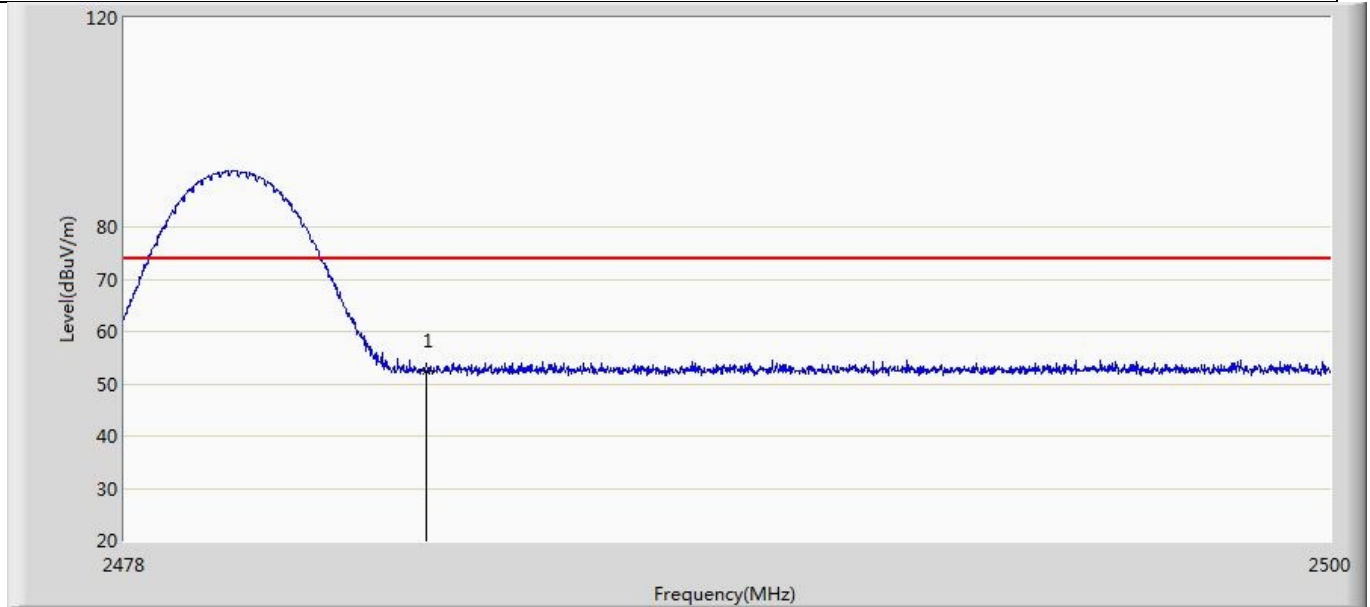
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 52.593 | 16.918 | -21.407 | 74.000 | 35.675 | PK |

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| Profile: 2290946R | Page No.: 23 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:38 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 3: Transmit at 2480MHz by 3Mbps(8DPSK_DH5) | |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 40.182 | 4.507 | -13.818 | 54.000 | 35.675 | AV |

| | |
|---|--------------------------|
| Profile: 2290946R | Page No.: 24 |
| Engineer: Yuliu | |
| Site: AC5 | Time: 2023/01/05 - 00:40 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: BT24 | Power: DC 3.3V |
| Note: Mode 3: Transmit at 2480MHz by 3Mbps(8DPSK_DH5) | |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | * | 2483.500 | 52.564 | 16.889 | -21.436 | 74.000 | 35.675 | PK |

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

| | |
|---------------------------------|----------------------|
| 4.11 Antenna Requirement | VERDICT: PASS |
|---------------------------------|----------------------|

| | |
|---|--|
| 4.11.1 Limit: | |
| Standard | FCC Part 15 Subpart C Paragraph 15.203 |
| <p>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, or §15.221. 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.</p> | |

| | |
|--|--|
| 4.11.2 Antenna Connector Construction: | |
| <input type="checkbox"/> | The use of a permanently attached antenna |
| <input type="checkbox"/> | The antenna use of a unique coupling to the intentional radiator |
| <input checked="" type="checkbox"/> | The use of a nonstandard antenna jack or electrical connector |
| Please refer to the attached document "Internal Photograph" to show the antenna connector. | |

5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

_____ The End _____