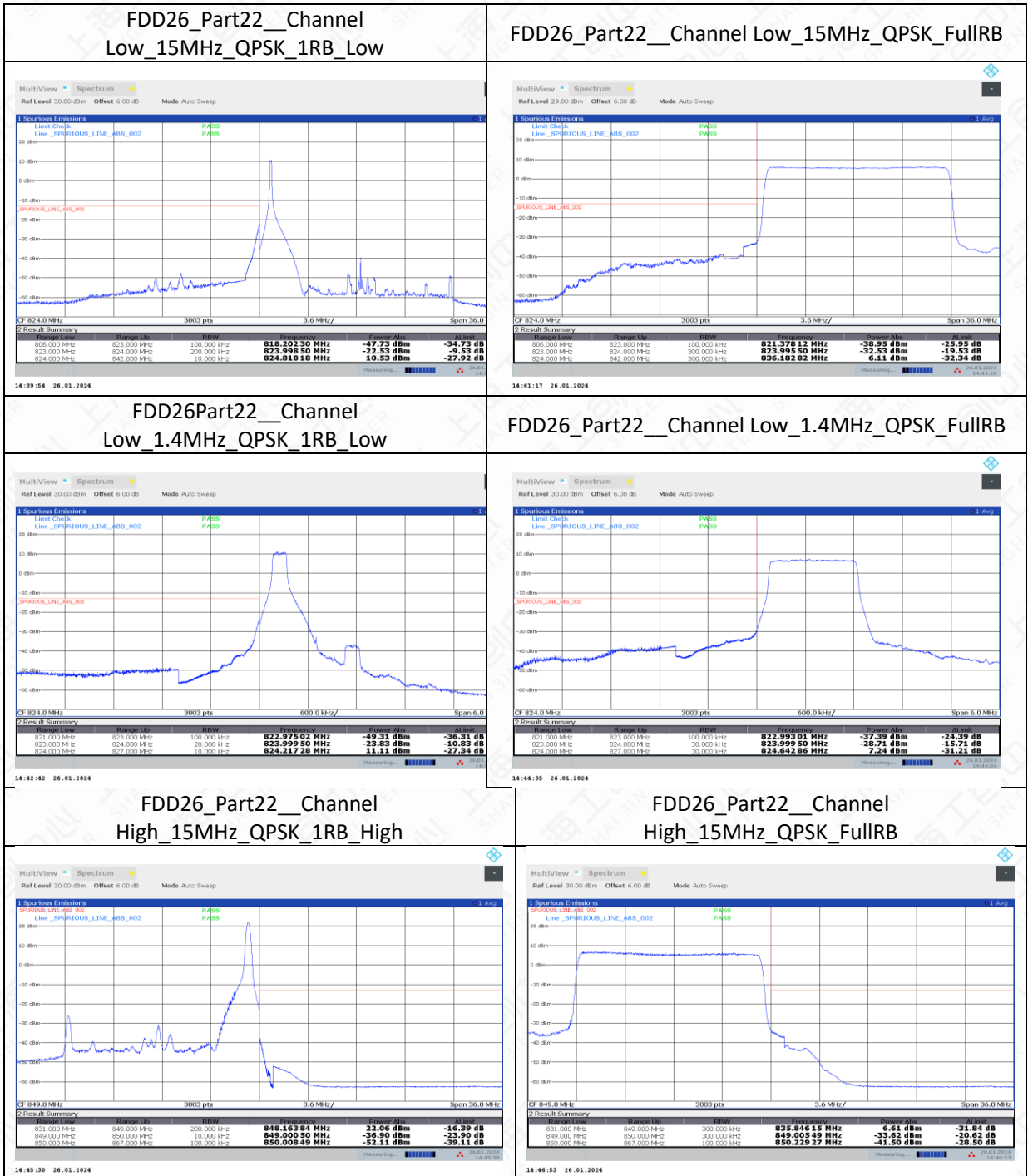
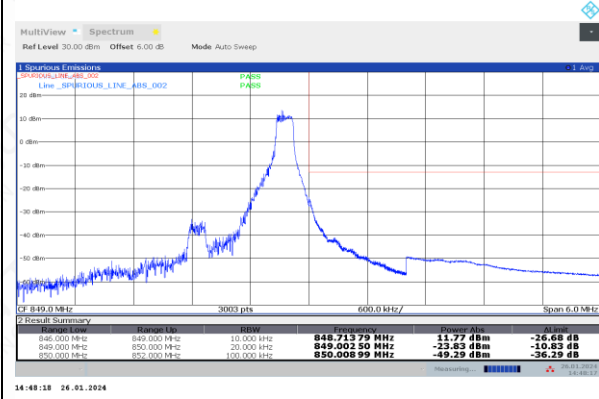
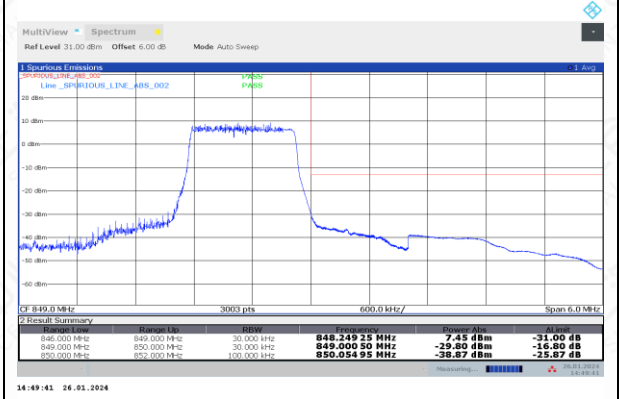


**Band 26(824-849MHz)(Only the worst mode data is provided)**


FDD26\_22\_Channel\_High\_1.4MHz\_QPSK\_1RB\_High

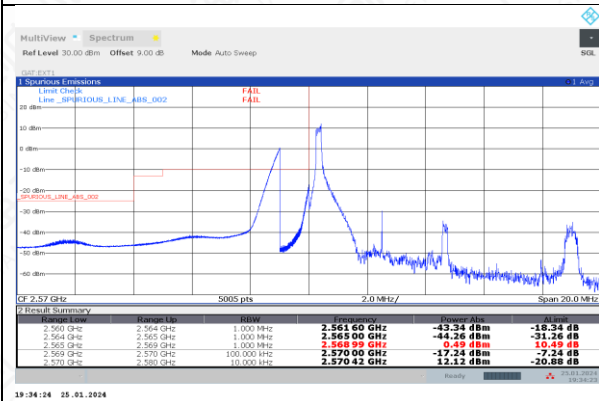


FDD26\_22\_Channel\_High\_1.4MHz\_QPSK\_FullRB

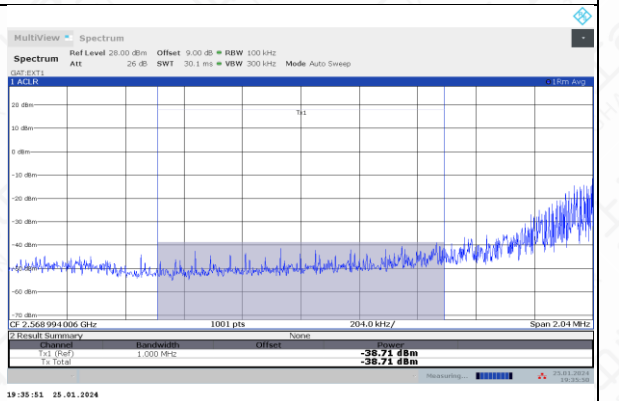


## Band 38

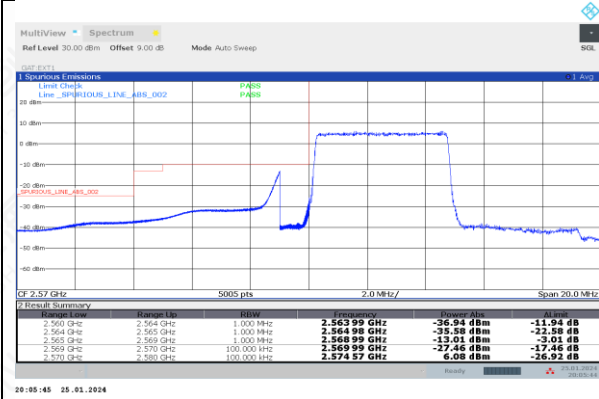
TDD38\_Channel\_Low\_5MHz\_QPSK\_1RB\_Low



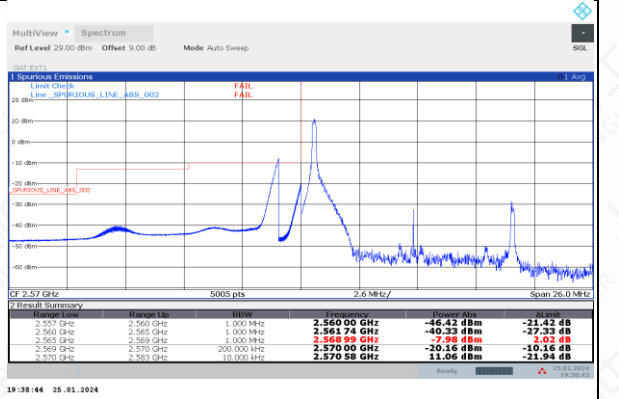
TDD38\_Channel\_Low\_5MHz\_2568994006Hz\_1RB\_Low Out of Limit Channel Power

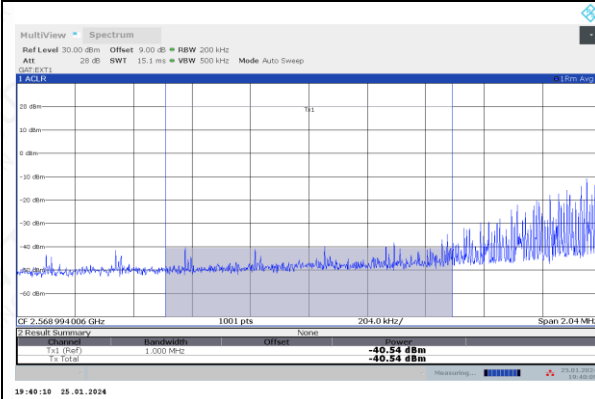
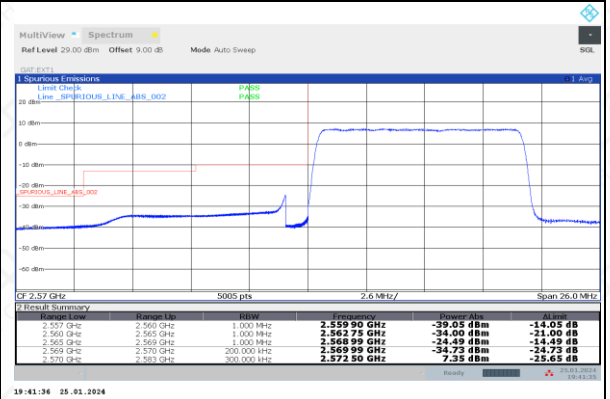
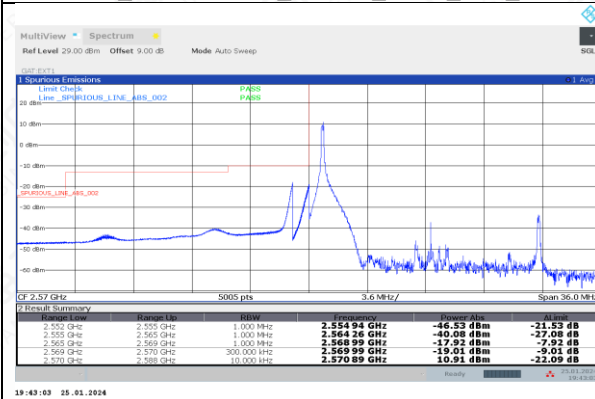
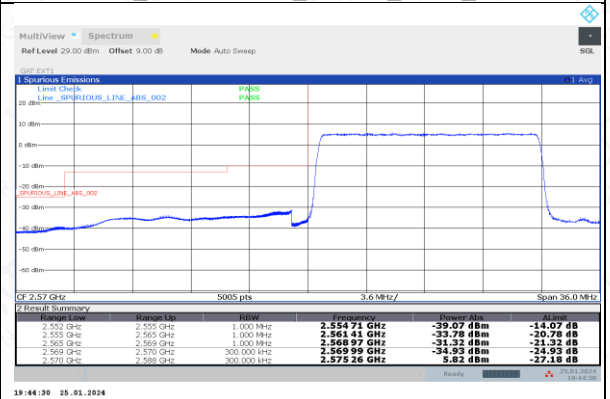
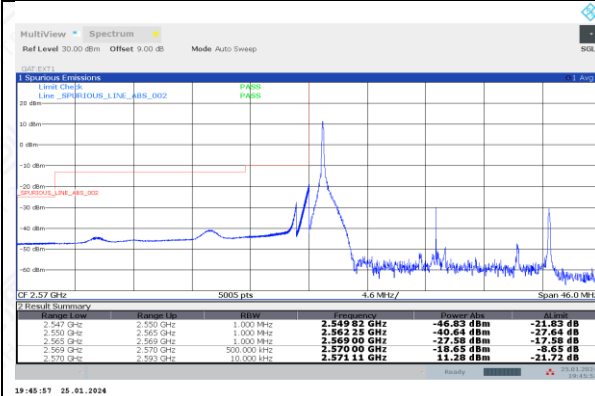
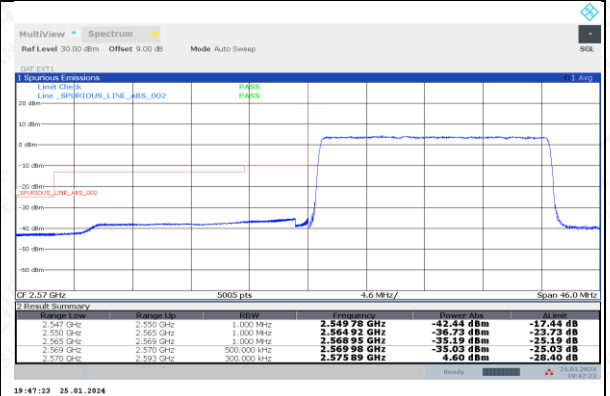
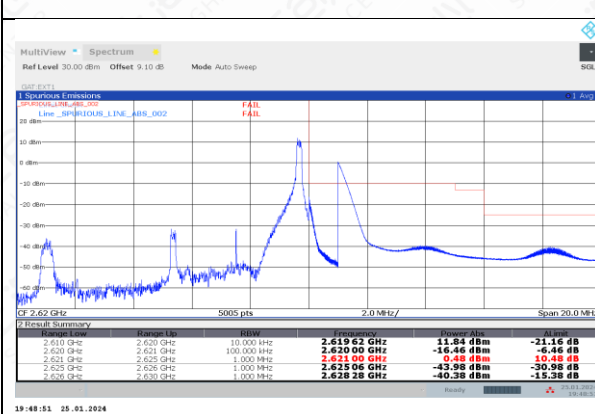
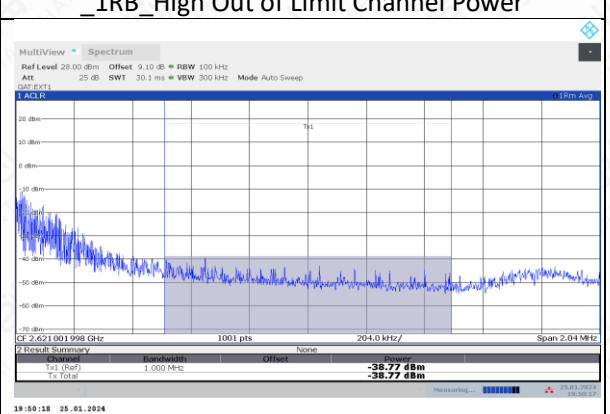


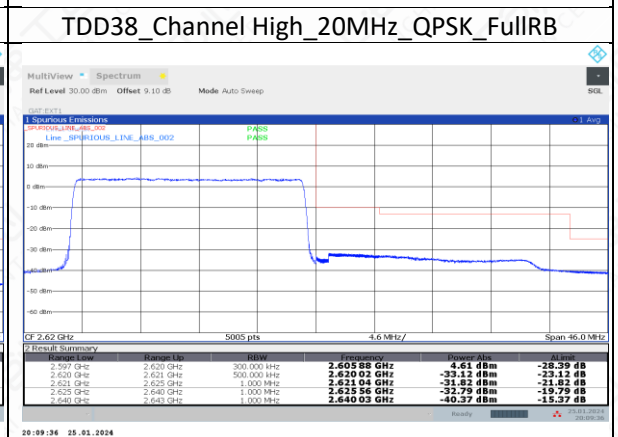
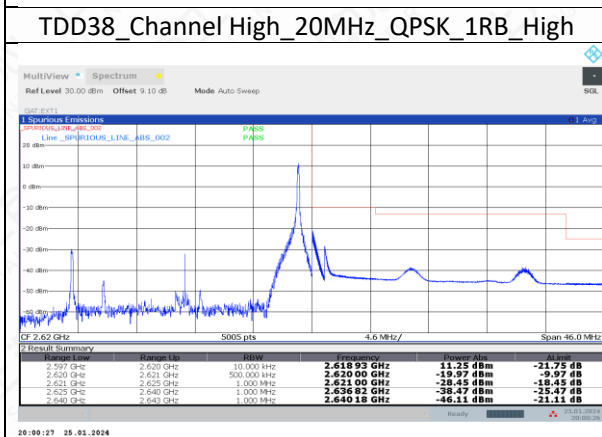
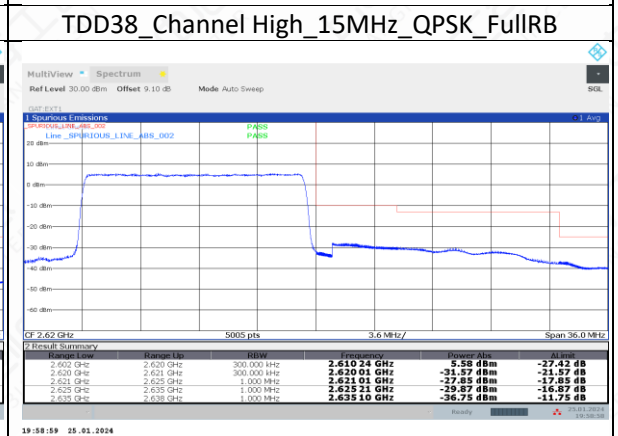
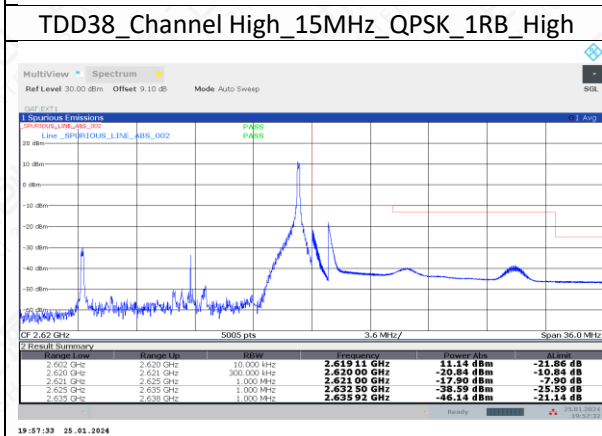
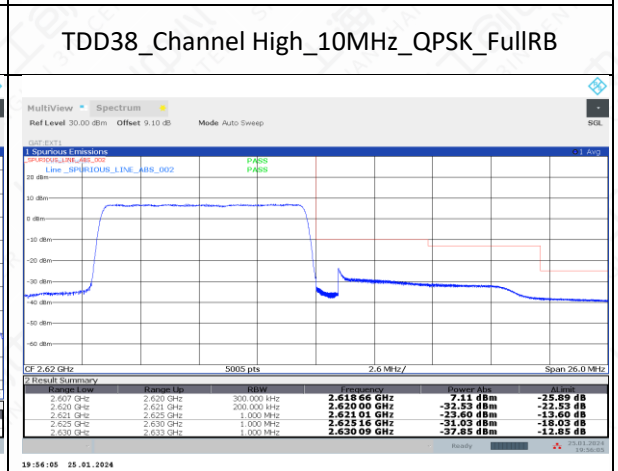
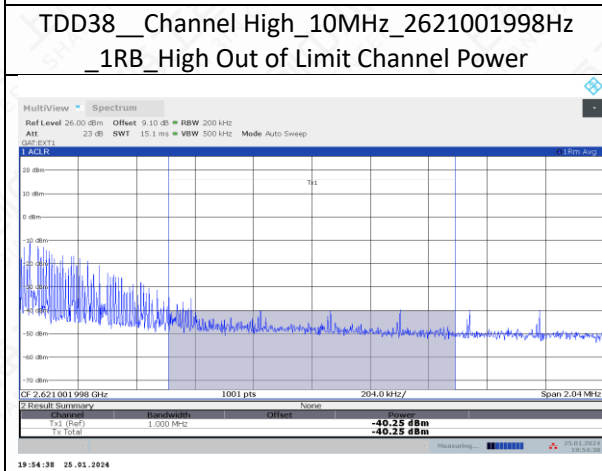
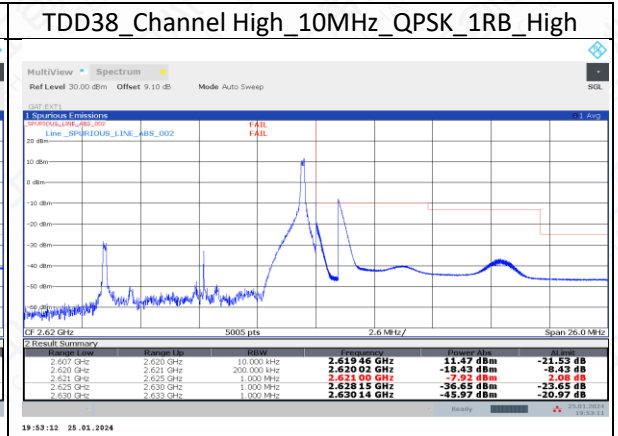
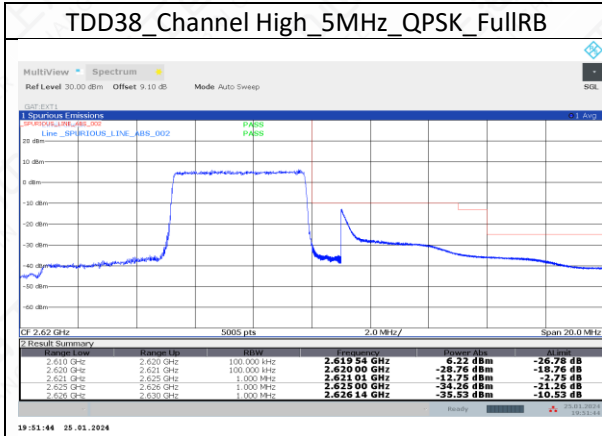
TDD38\_Channel\_Low\_5MHz\_QPSK\_FullRB



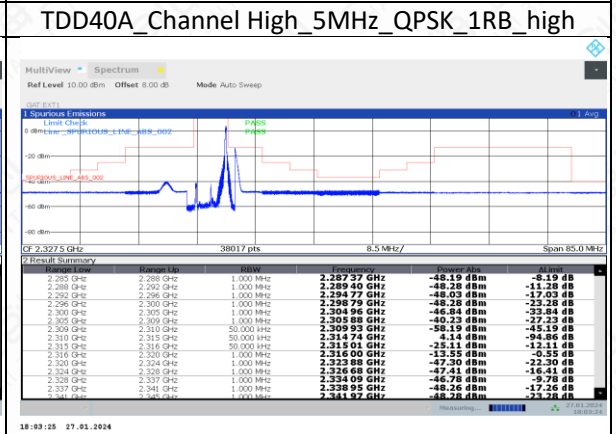
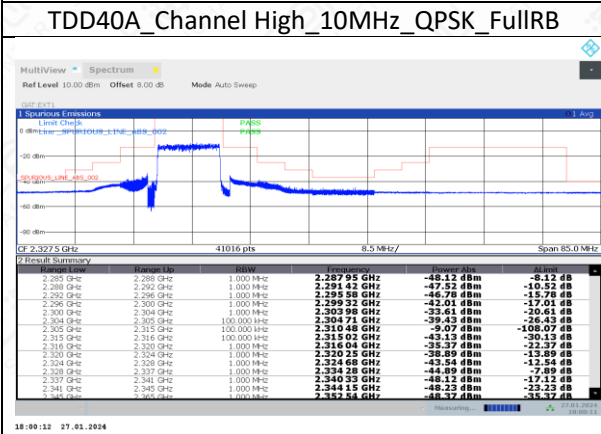
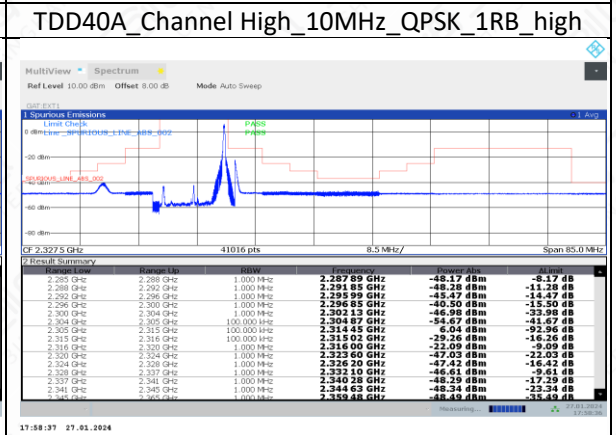
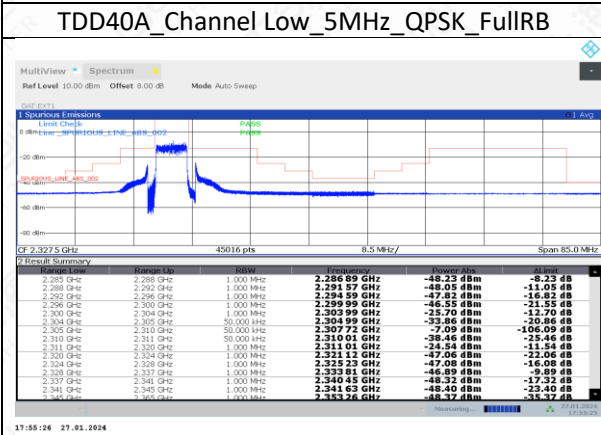
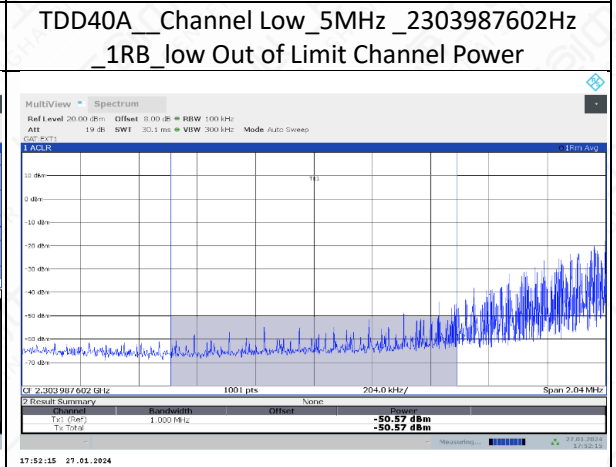
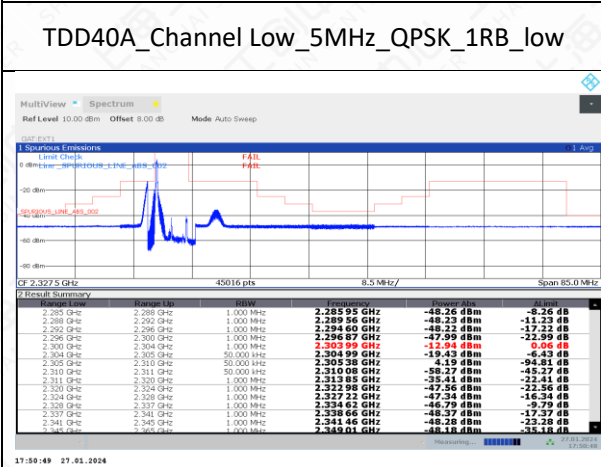
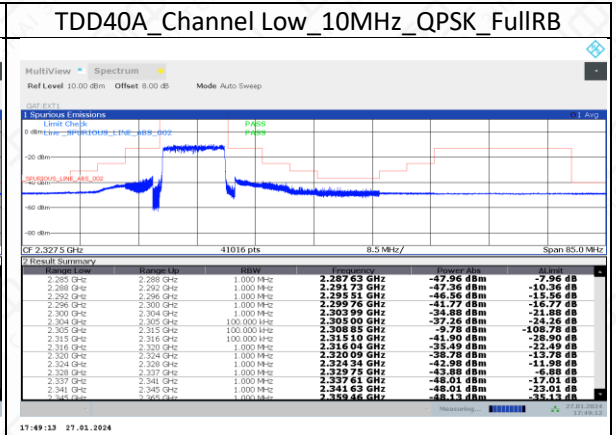
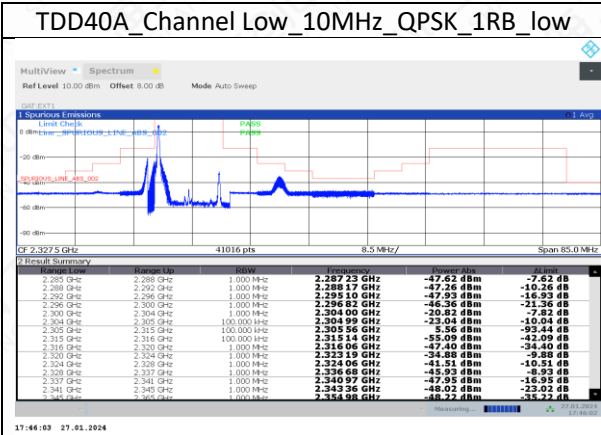
TDD38\_Channel\_Low\_10MHz\_QPSK\_1RB\_Low



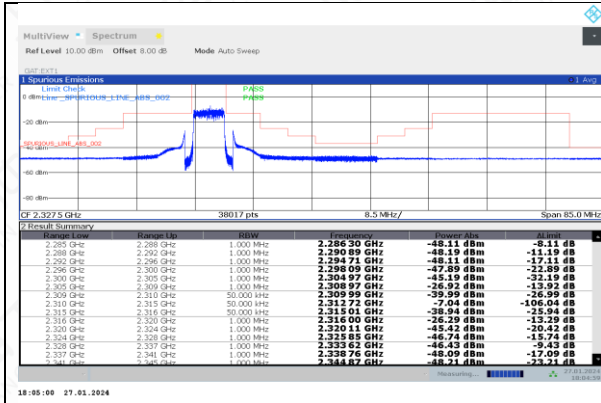
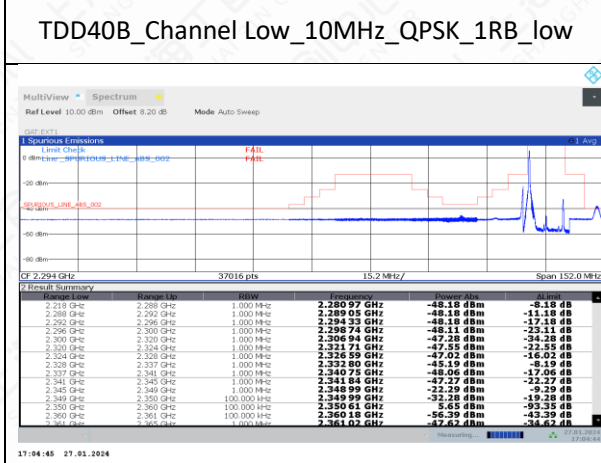
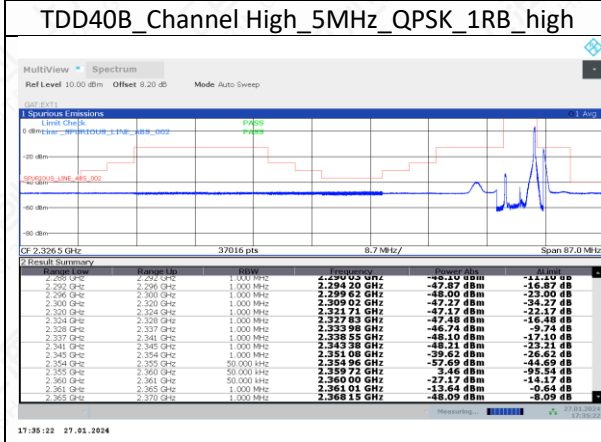
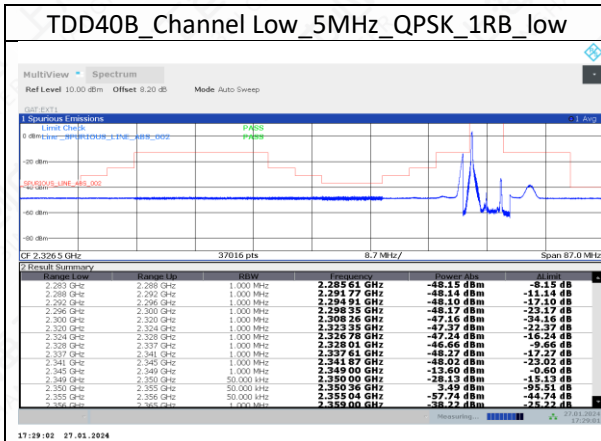
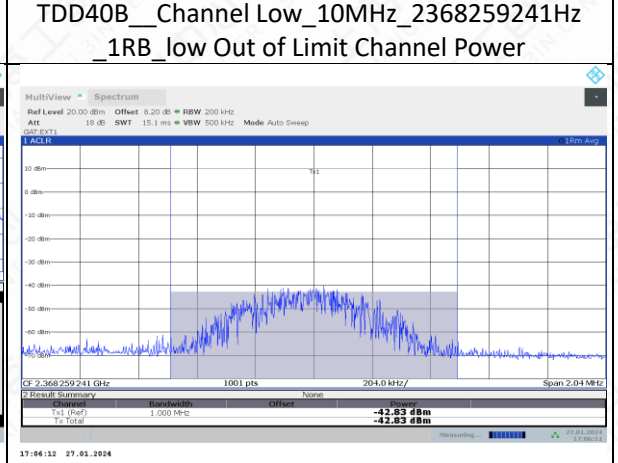
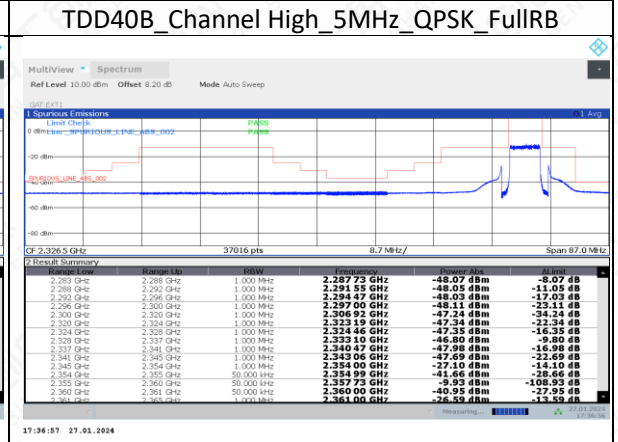
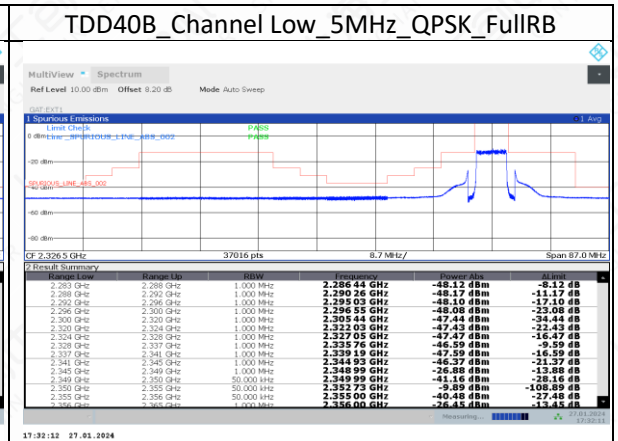
**TDD38\_Channel Low\_10MHz\_2568994006Hz\_1RB\_Low Out of Limit Channel Power**

**TDD38\_Channel Low\_10MHz\_QPSK\_FullRB**

**TDD38\_Channel Low\_15MHz\_QPSK\_1RB\_Low**

**TDD38\_Channel Low\_15MHz\_QPSK\_FullRB**

**TDD38\_Channel Low\_20MHz\_QPSK\_1RB\_Low**

**TDD38\_Channel Low\_20MHz\_QPSK\_FullRB**

**TDD38\_Channel High\_5MHz\_QPSK\_1RB\_High**

**TDD38\_Channel High\_5MHz\_2621001998Hz\_1RB\_High Out of Limit Channel Power**


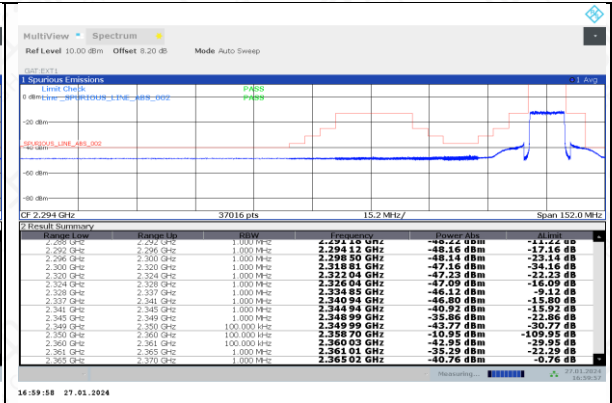
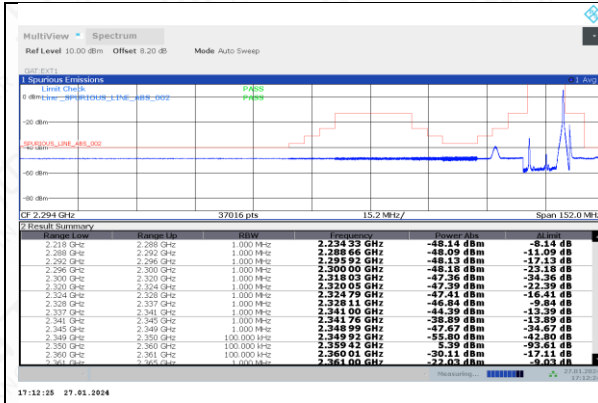


Band40A(2305-2315MHz)

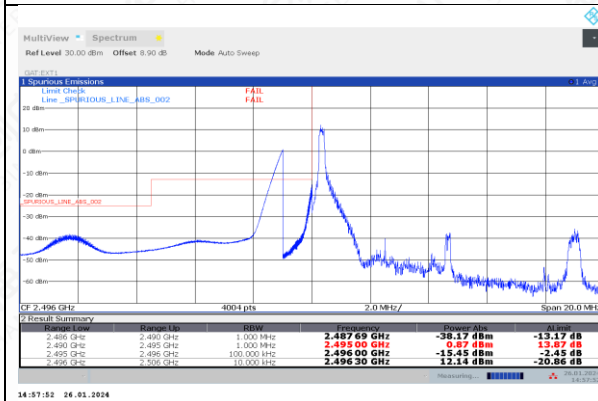
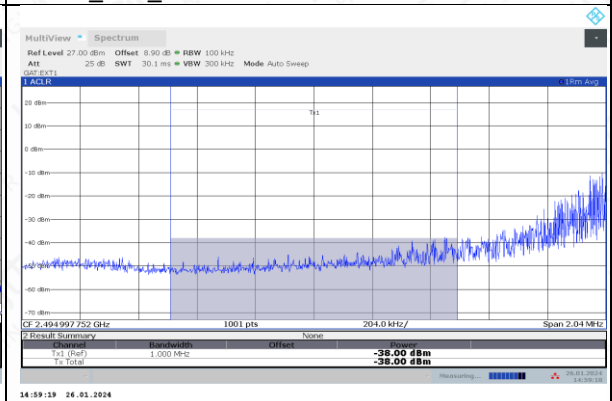


TDD40A\_Channel High\_5MHz\_QPSK\_FullRB

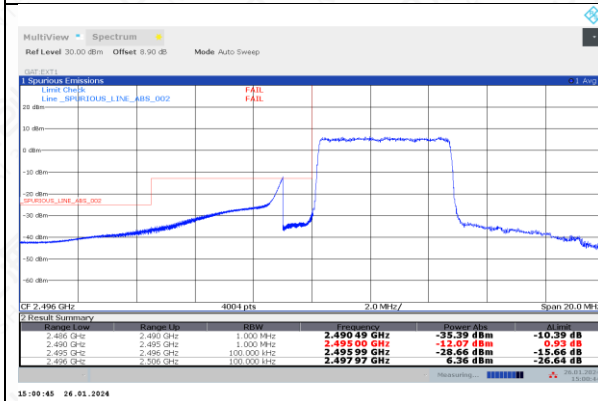
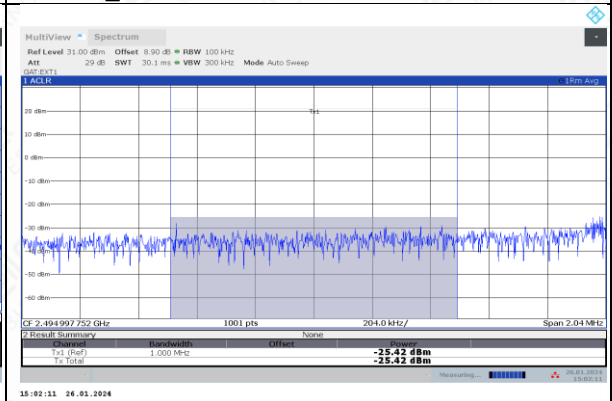

**Band40B(2350-2360MHz)**

**TDD40B\_Channel High\_10MHz\_QPSK\_1RB\_high**

**TDD40B\_Channel Low\_10MHz\_QPSK\_FullRB**

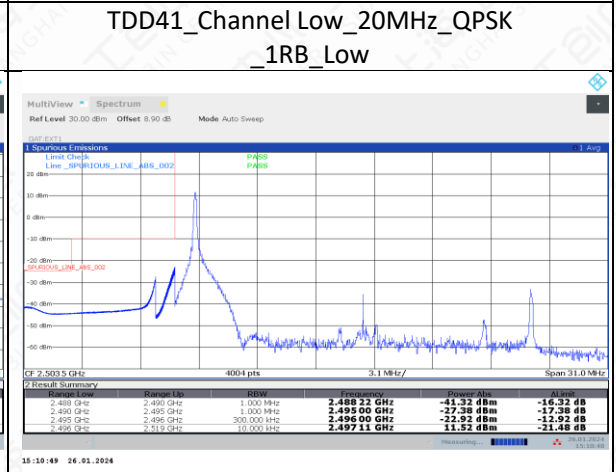
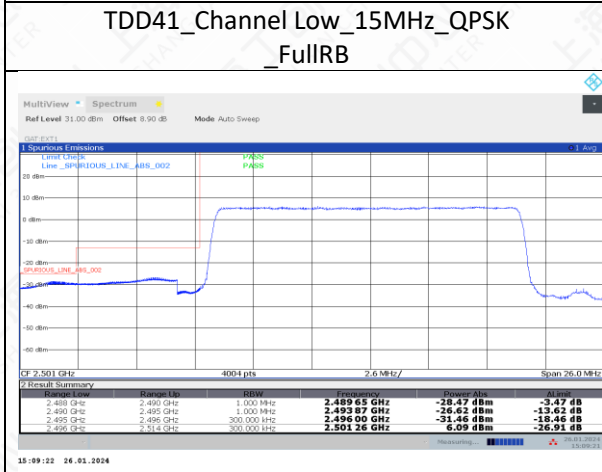
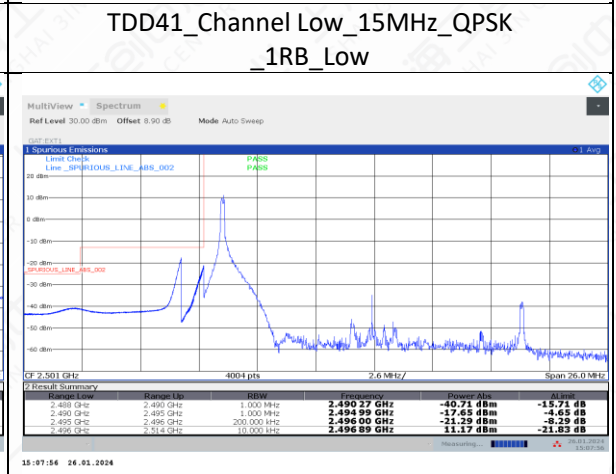
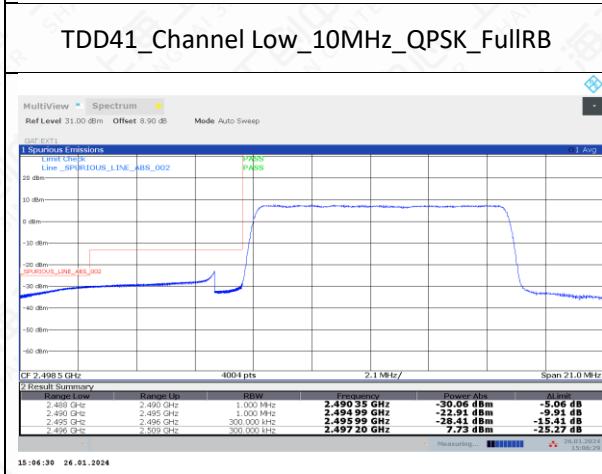
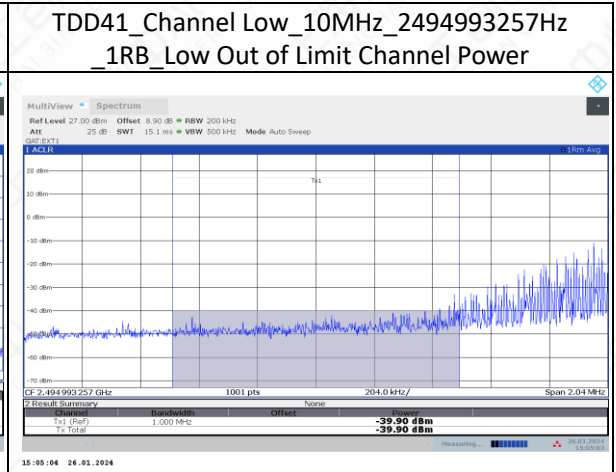
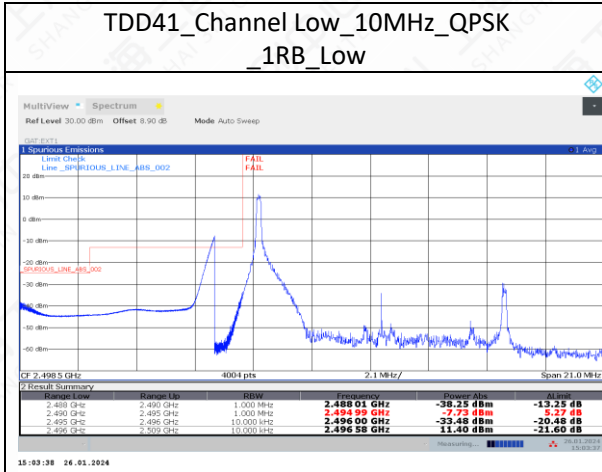

**Band41**

TDD41\_Channel Low\_5MHz\_QPSK\_1RB\_Low

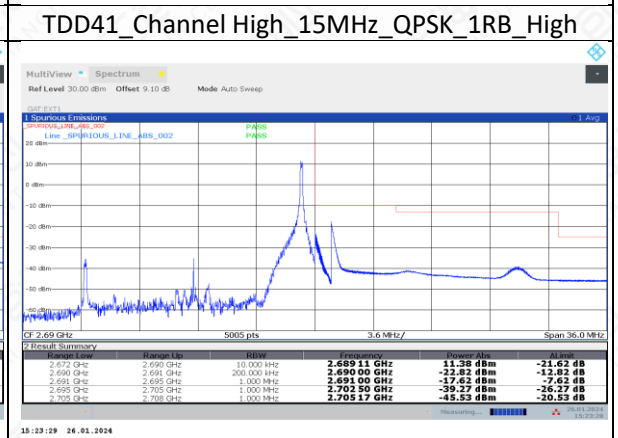
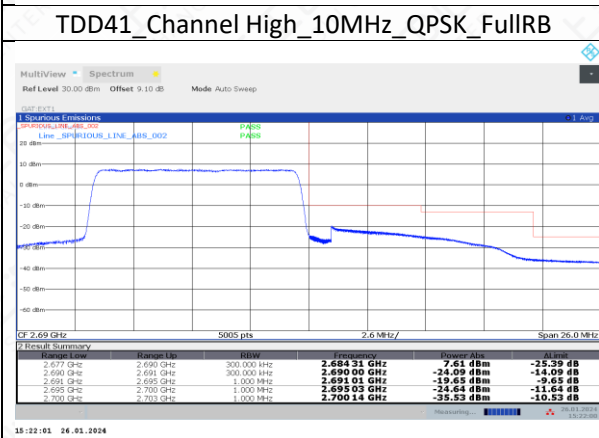
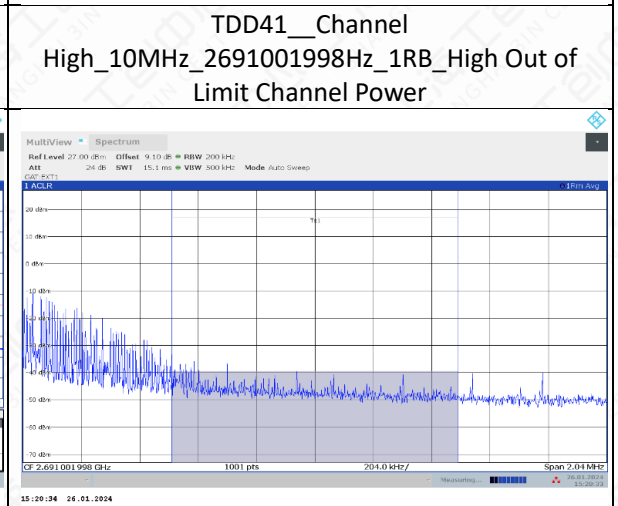
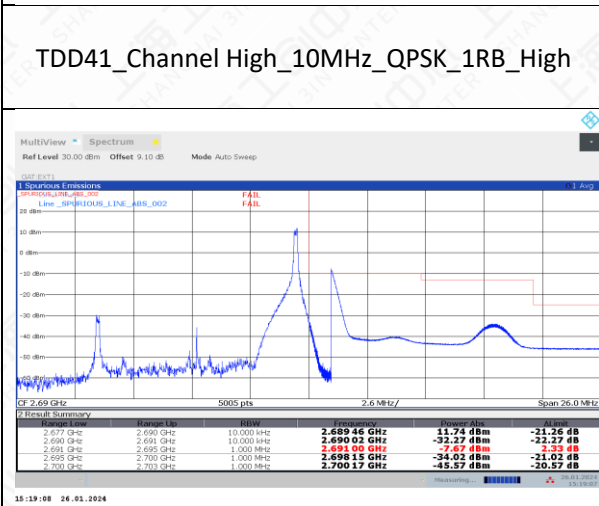
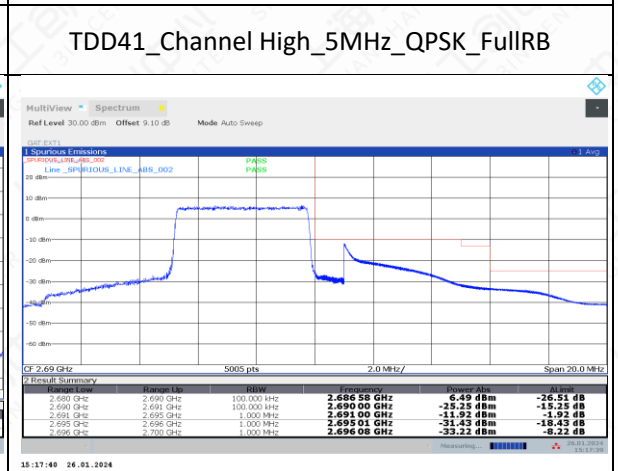
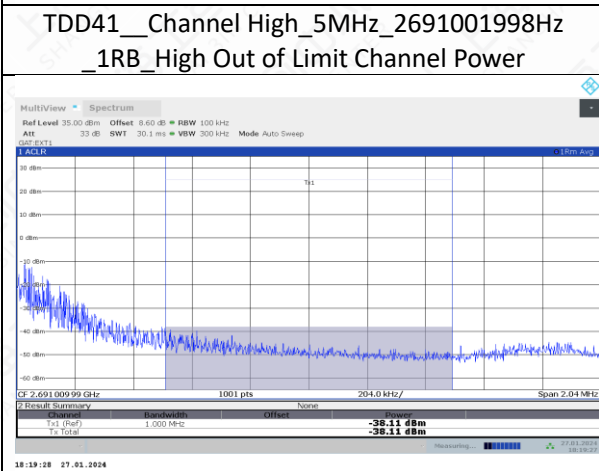
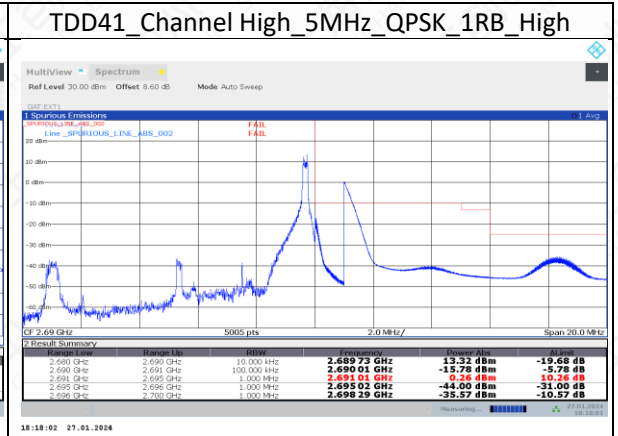
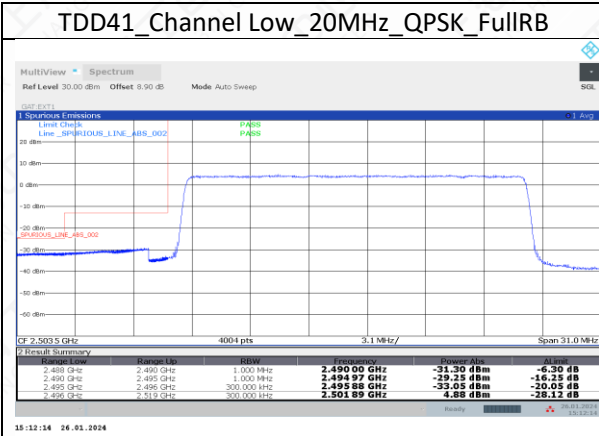

 TDD41\_Channel Low\_5MHz\_2494997752Hz  
\_1RB\_Low Out of Limit Channel Power


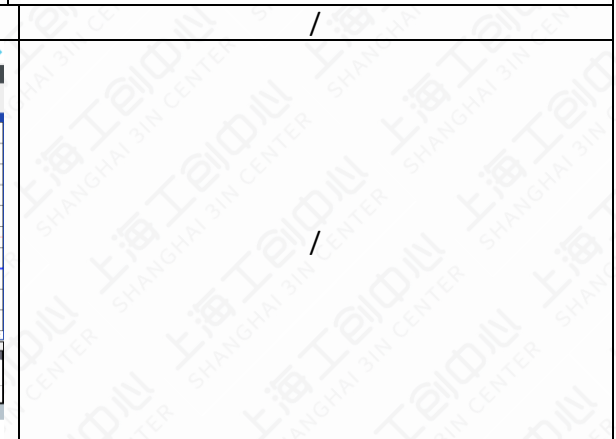
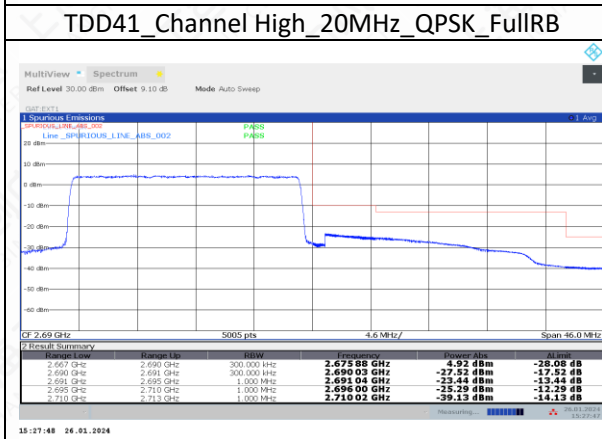
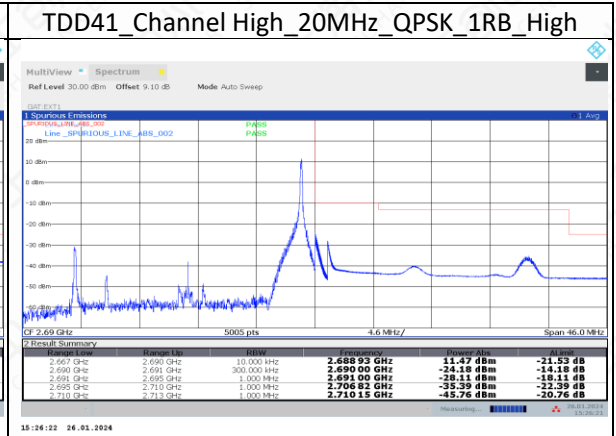
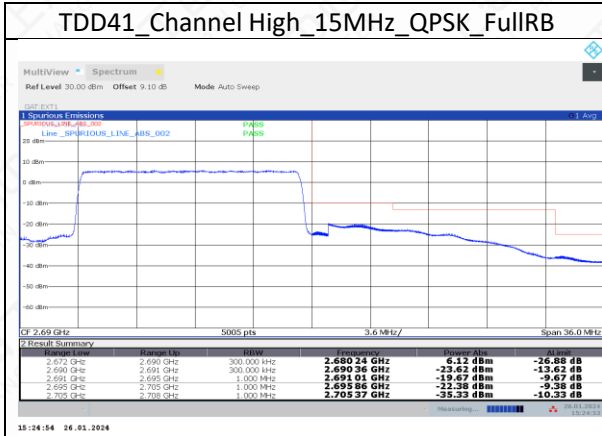
TDD41\_Channel Low\_5MHz\_QPSK\_FullRB


 TDD41\_Channel Low\_5MHz\_2494997752Hz  
\_FullRB Out of Limit Channel Power










## 6.7 Conducted Spurious Emission

### 6.7.1 Measurement Limit

FCC §22.917(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

FCC §24.238(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

FCC §27.53(a) For mobile and portable stations operating in the 2305–2315 MHz and 2350–2360 MHz bands:

(i) By a factor of not less than:  $43 + 10 \log(P)$  dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than  $55 + 10 \log(P)$  dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than  $61 + 10 \log(P)$  dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than  $67 + 10 \log(P)$  dB on all frequencies between 2328 and 2337 MHz;

(ii) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2300 and 2305 MHz,  $55 + 10 \log(P)$  dB on all frequencies between 2296 and 2300 MHz,  $61 + 10 \log(P)$  dB on all frequencies between 2292 and 2296 MHz,  $67 + 10 \log(P)$  dB on all frequencies between 2288 and 2292 MHz, and  $70 + 10 \log(P)$  dB below 2288 MHz;

(iii) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2360 and 2365 MHz, and not less than  $70 + 10 \log(P)$  dB above 2365 MHz.

FCC §27.53(h) (1) General protection levels. Except as otherwise specified below, for operations in the 1695–1710 MHz, 1710–1755 MHz, 1755–1780 MHz, 1915–1920 MHz, 1995–2000 MHz, 2000–2020 MHz, 2110–2155 MHz, 2155–2180 MHz, and 2180–2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  dB.

FCC §27.53(m)(4) For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log(P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log(P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log(P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than  $43 + 10 \log(P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log(P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

FCC §27.53(h):

AWS emission limits —

(1) General protection levels. Except as otherwise specified below, for operations in the 1695–1710 MHz, 1710–1755 MHz, 1755–1780 MHz, 1915–1920 MHz, 1995–2000 MHz, 2000–2020 MHz, 2110–2155 MHz, 2155–2180 MHz, and 2180–2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  dB.

(2) Additional protection levels. Notwithstanding the foregoing paragraph (h)(1) of this section:

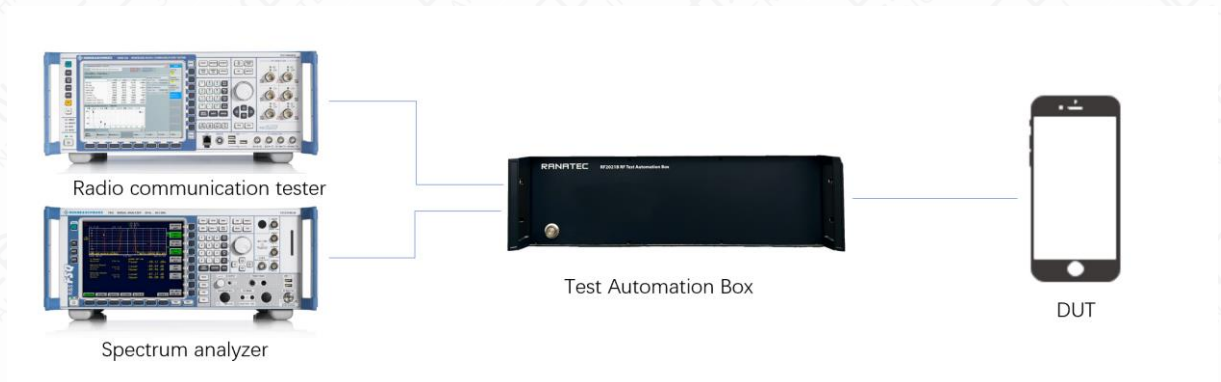
- (i) Operations in the 2180–2200 MHz band are subject to the out-of-band emission requirements set forth in § 27.1134 for the protection of federal government operations operating in the 2200–2290 MHz band.
- (ii) For operations in the 2000–2020 MHz band, the power of any emissions below 2000 MHz shall be attenuated below the transmitter power (P) in watts by at least  $70 + 10 \log_{10}(P)$  dB.
- (iii) For operations in the 1915–1920 MHz band, the power of any emission between 1930–1995 MHz shall be attenuated below the transmitter power (P) in watts by at least  $70 + 10 \log_{10}(P)$  dB.
- (iv) For operations in the 1995–2000 MHz band, the power of any emission between 2005–2020 MHz shall be attenuated below the transmitter power (P) in watts by at least  $70 + 10 \log_{10}(P)$  dB.

### 6.7.2 Method of Measurement

The following steps outline the procedure used to measure the conducted emissions from the EUT.

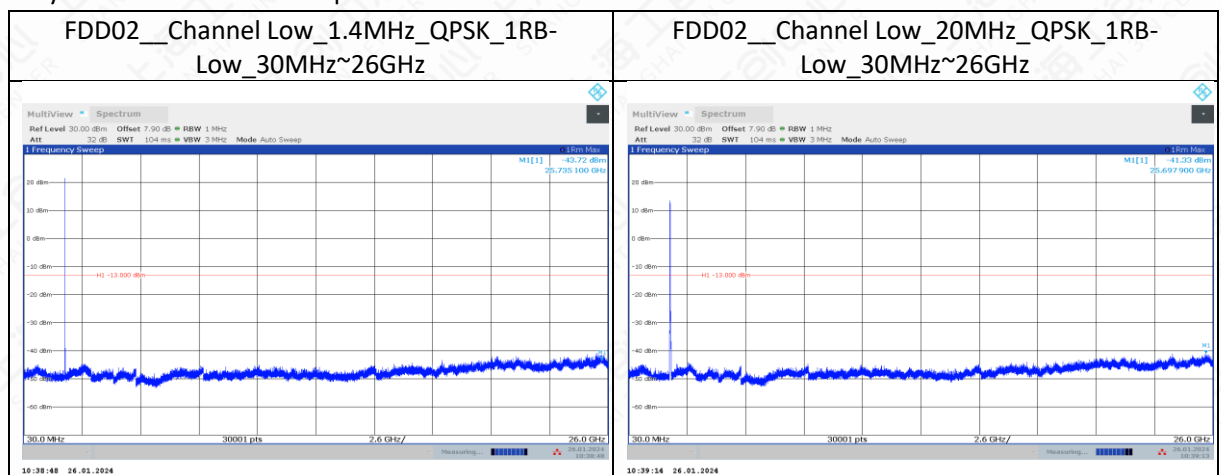
1. Determine frequency range for measurements: From CFR 2.1057 the spectrum should be investigated from the lowest radio frequency generated in the equipment up to at least the 10th harmonic of the carrier frequency. For the mobile station equipment tested, this equates to a frequency range of 13 MHz to 9 GHz, data taken from 10 MHz to 25 GHz.
2. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.
3. The number of sweep points of spectrum analyzer is set to 30001 which is greater than span/RBW.

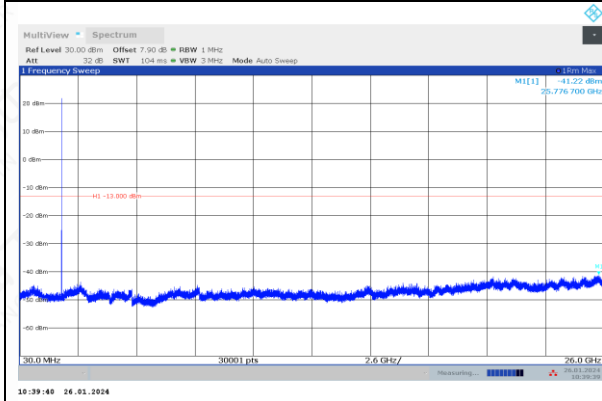
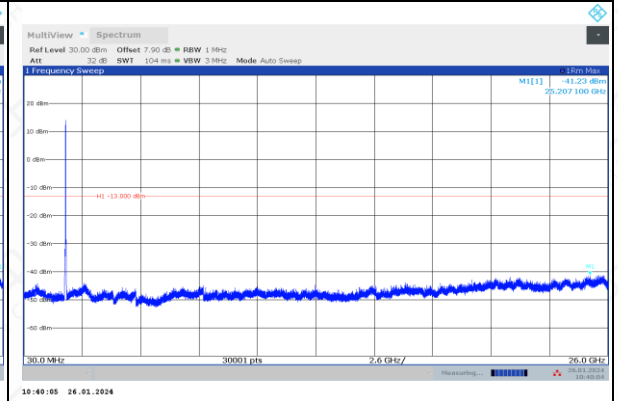
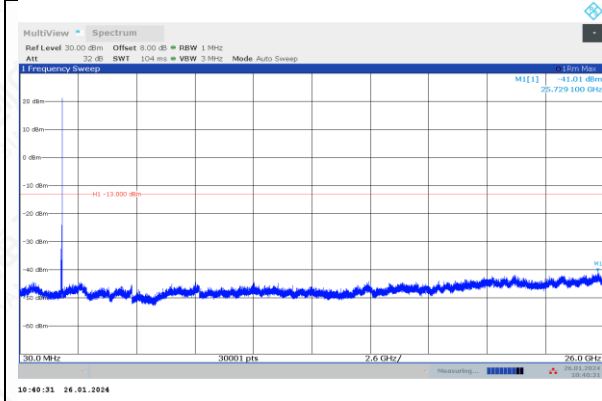
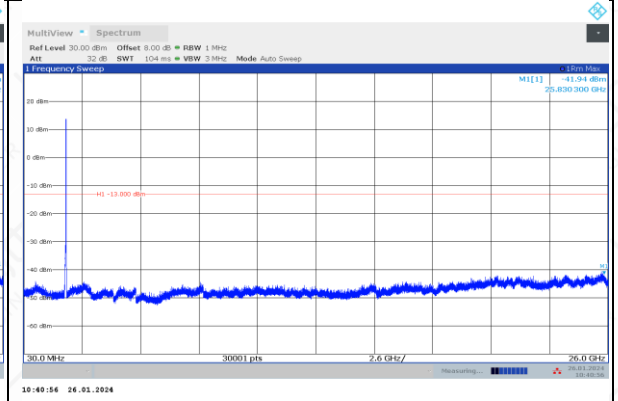
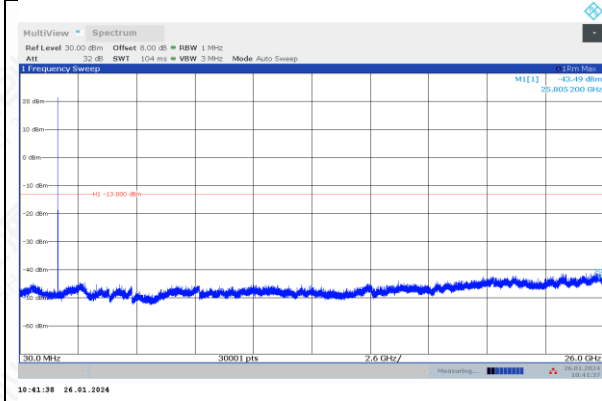
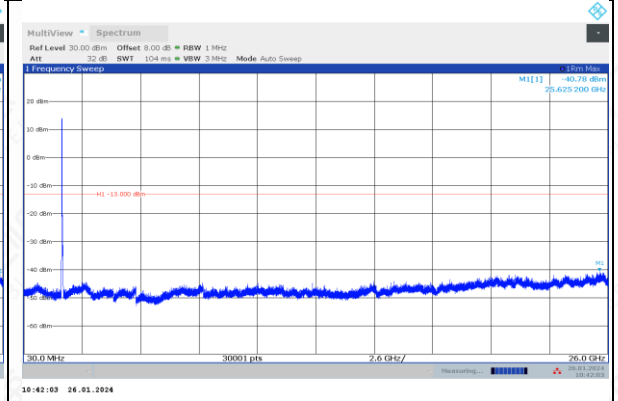
### 6.7.3 Test Setup

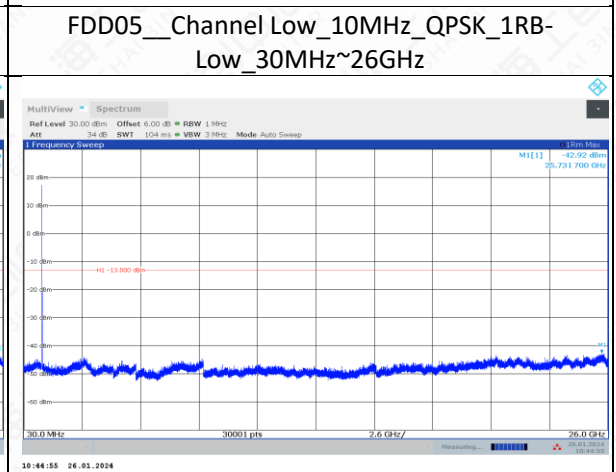
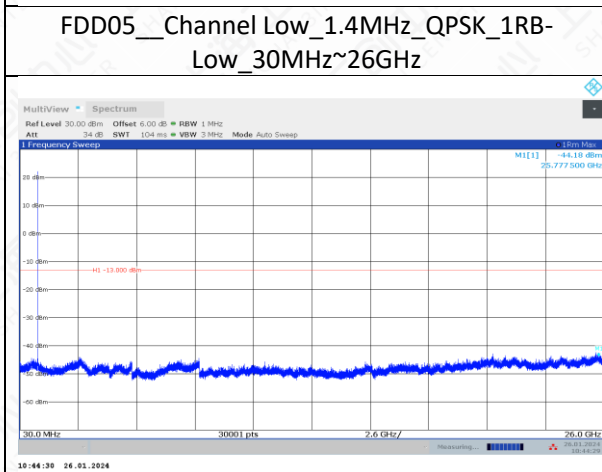
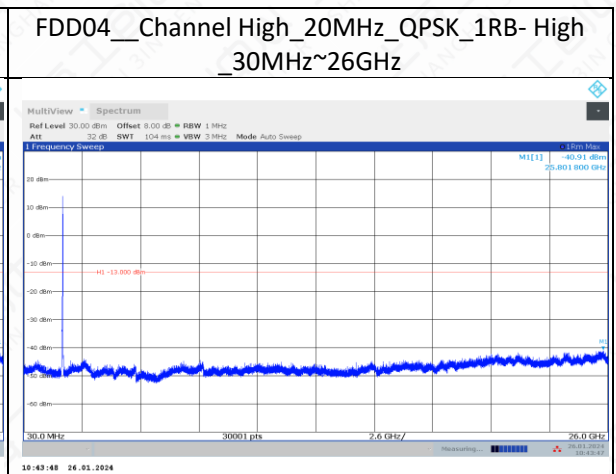
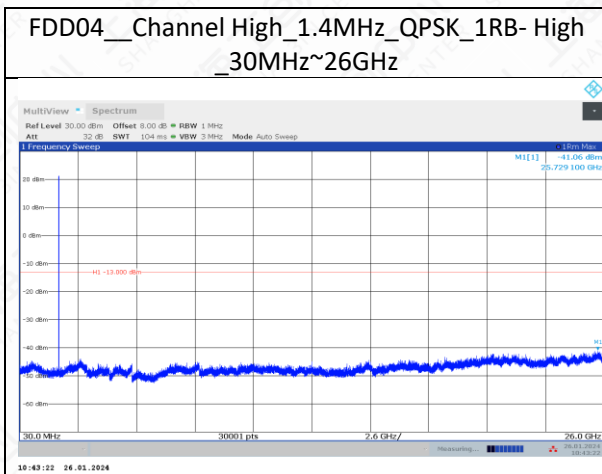
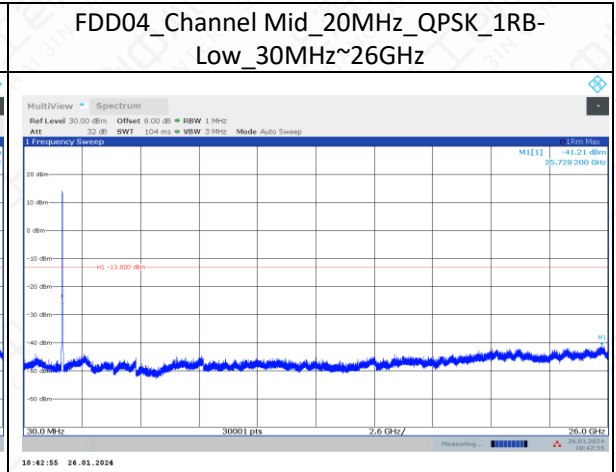
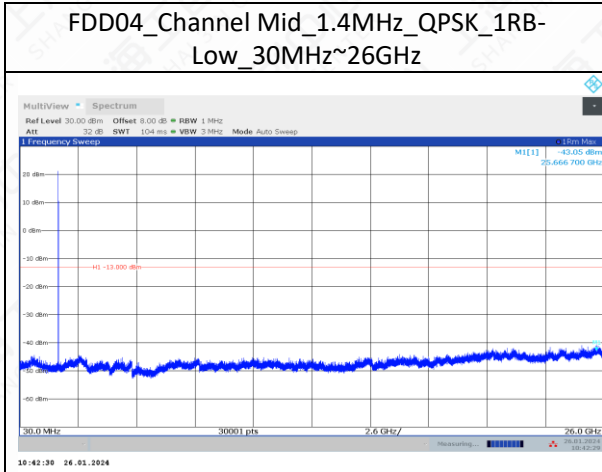


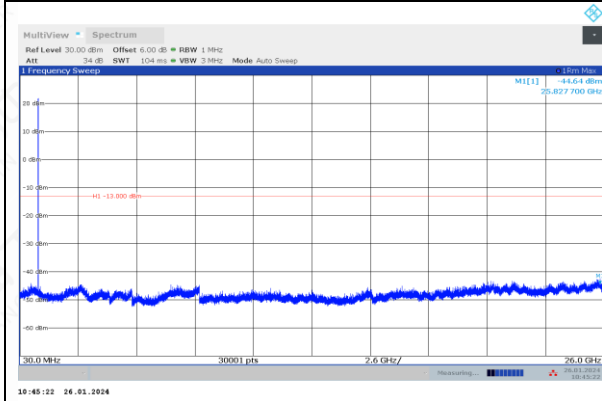
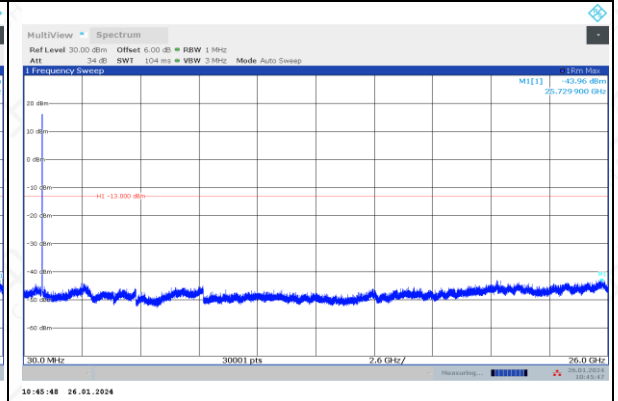
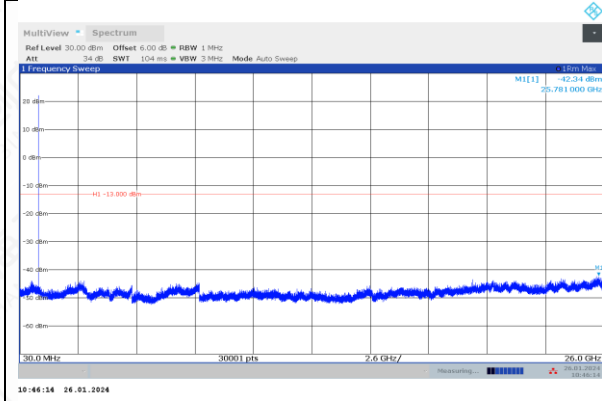
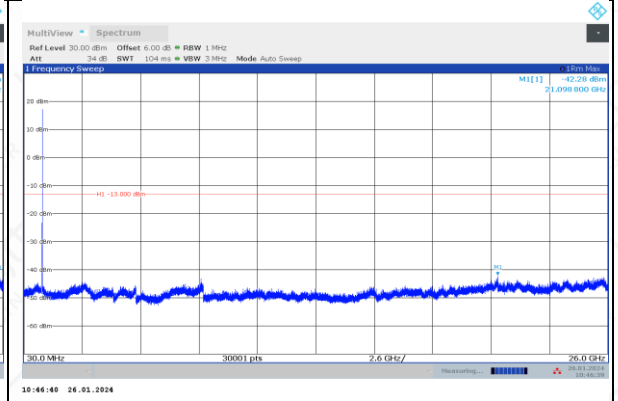
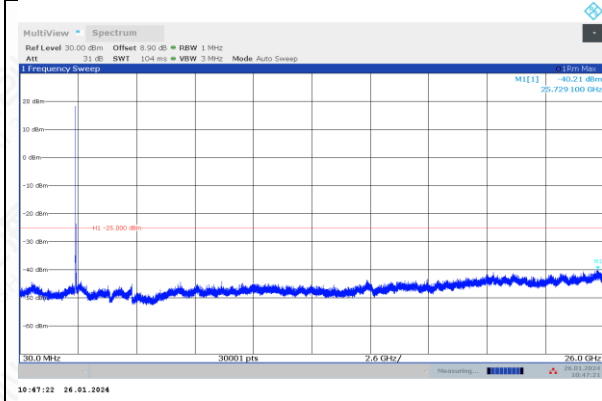
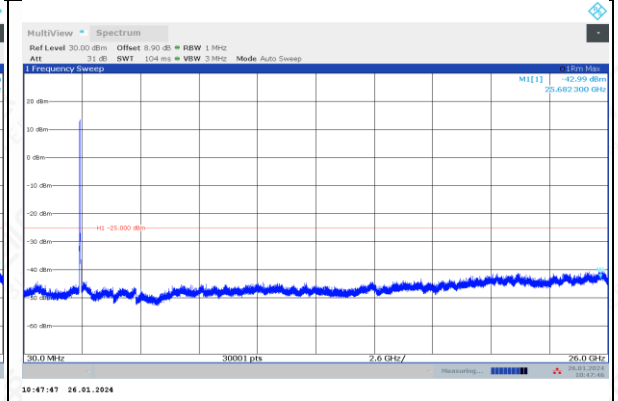
### 6.7.4 Measurement result

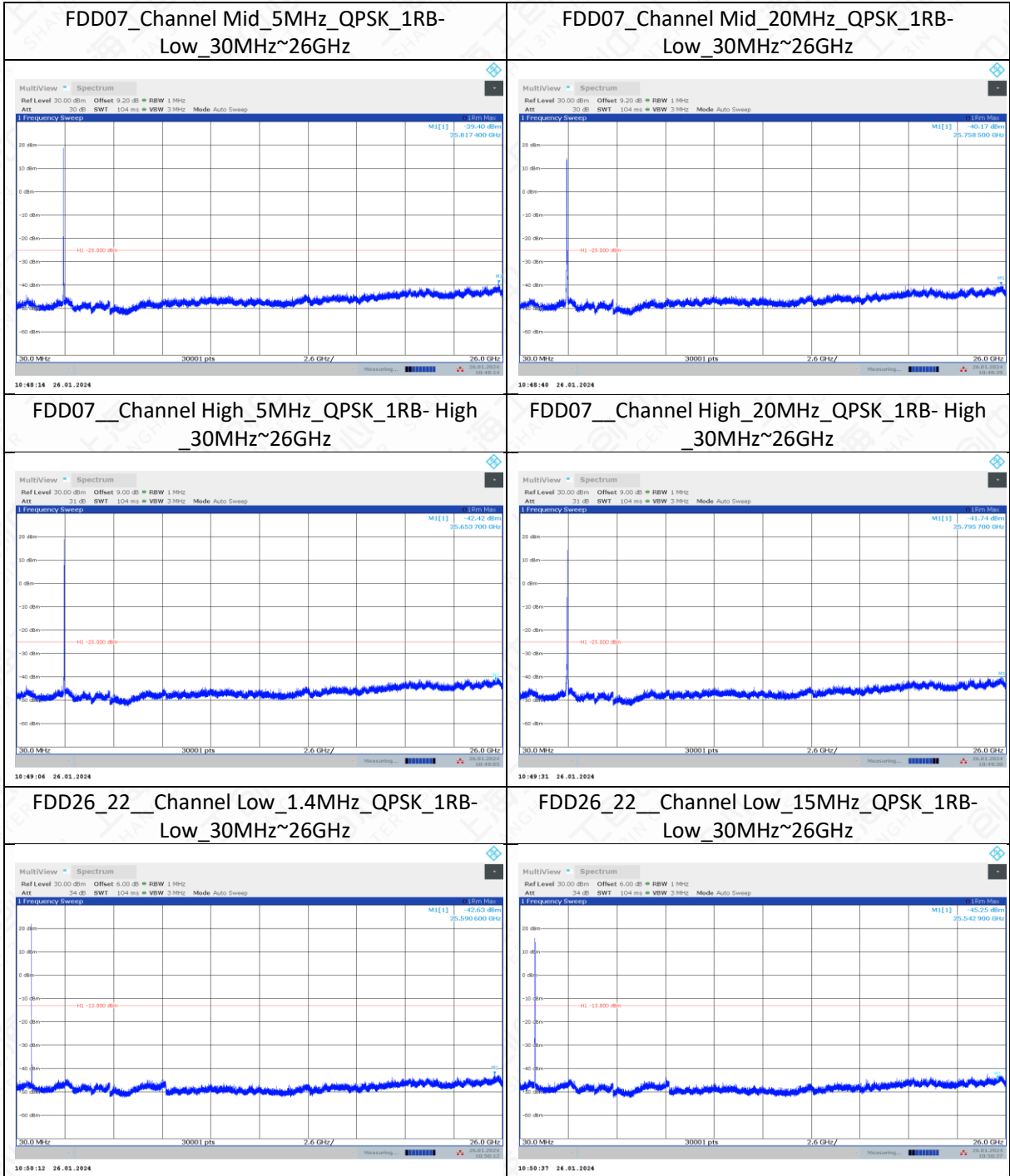
Only the worst mode data is provided.



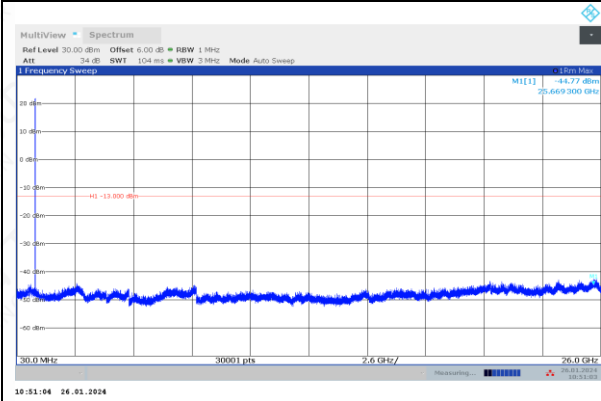
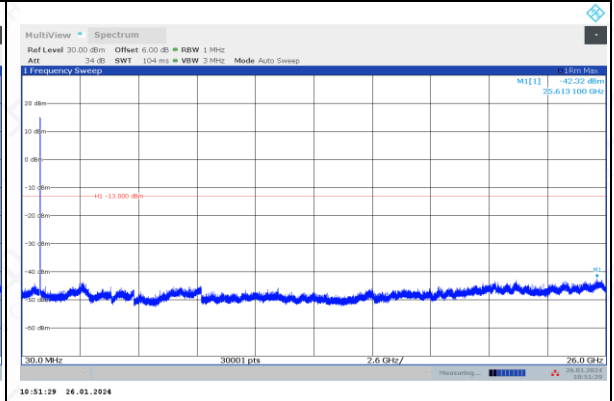
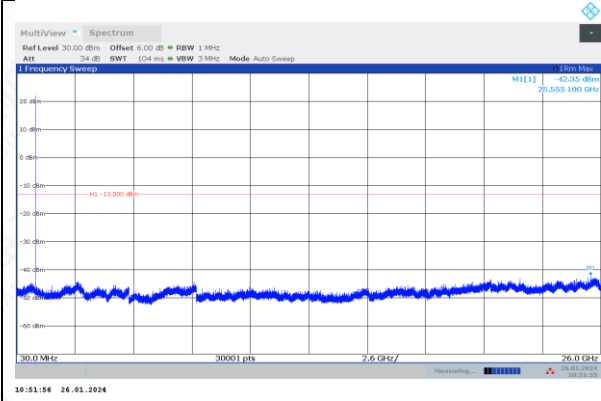
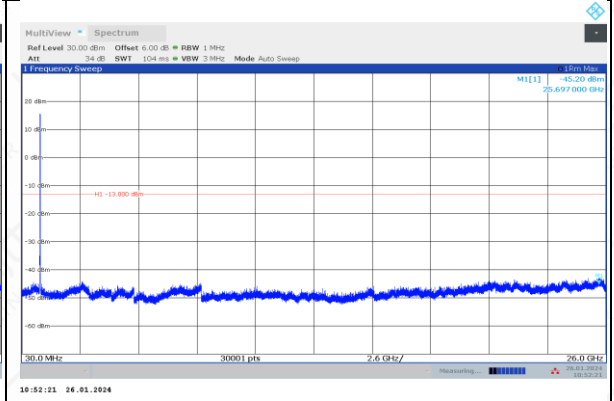
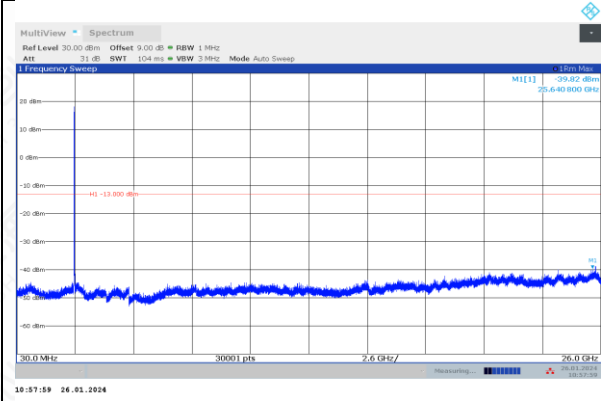
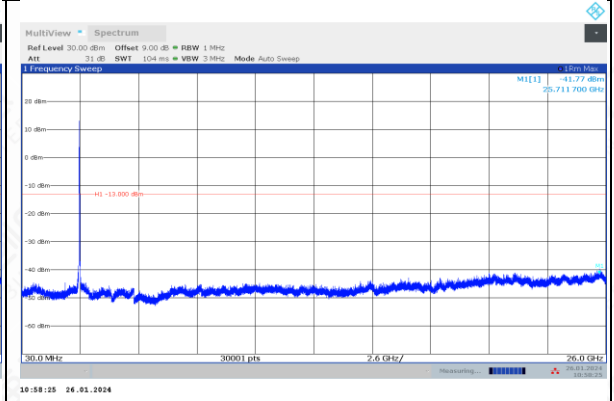
**FDD02\_Channel Mid\_1.4MHz\_QPSK\_1RB-Low\_30MHz~26GHz**

**FDD02\_Channel Mid\_20MHz\_QPSK\_1RB-Low\_30MHz~26GHz**

**FDD02\_Channel High\_1.4MHz\_QPSK\_1RB-High\_30MHz~26GHz**

**FDD02\_Channel High\_20MHz\_QPSK\_1RB-High\_30MHz~26GHz**

**FDD04\_Channel Low\_1.4MHz\_QPSK\_1RB-Low\_30MHz~26GHz**

**FDD04\_Channel Low\_20MHz\_QPSK\_1RB-Low\_30MHz~26GHz**


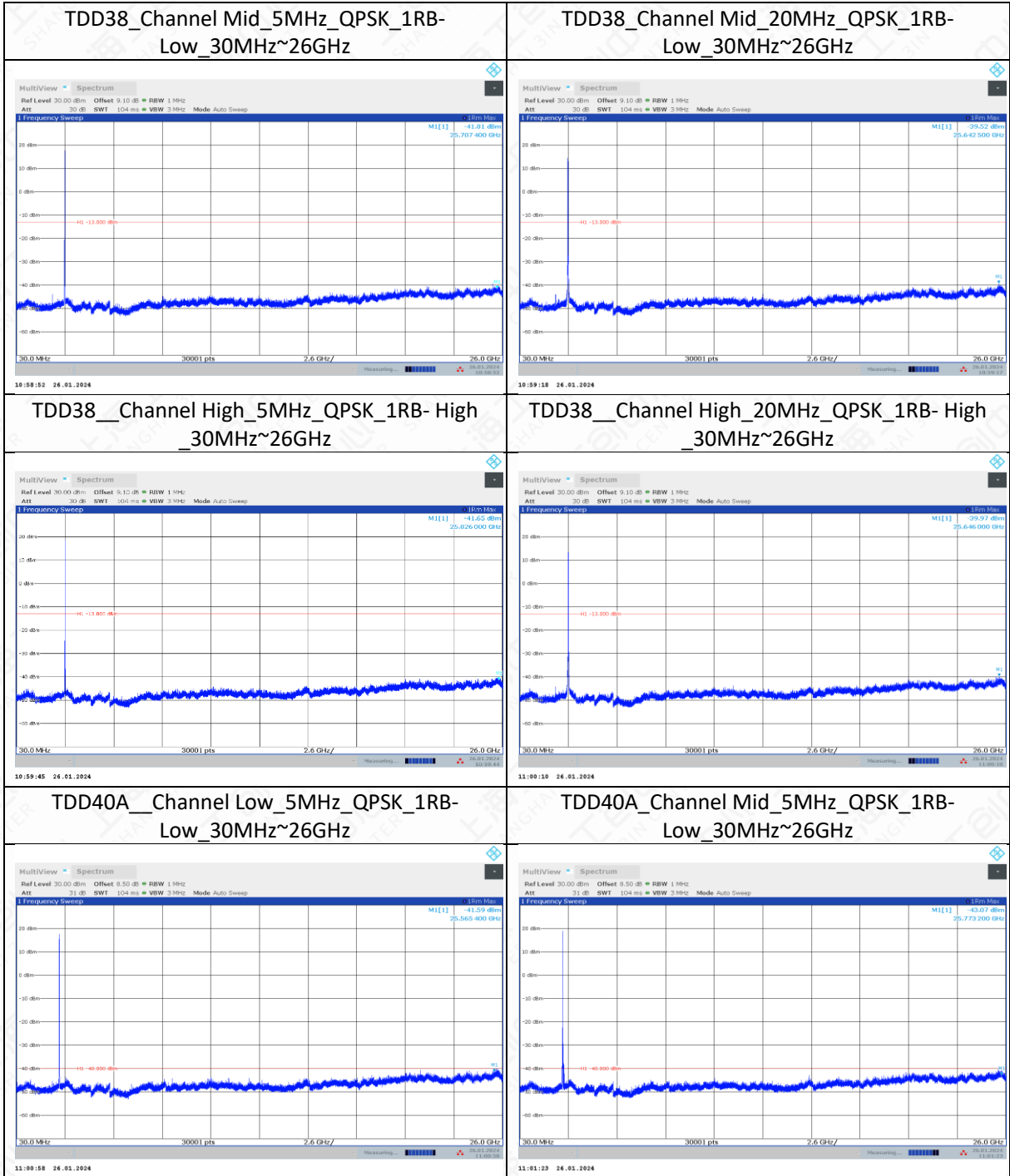


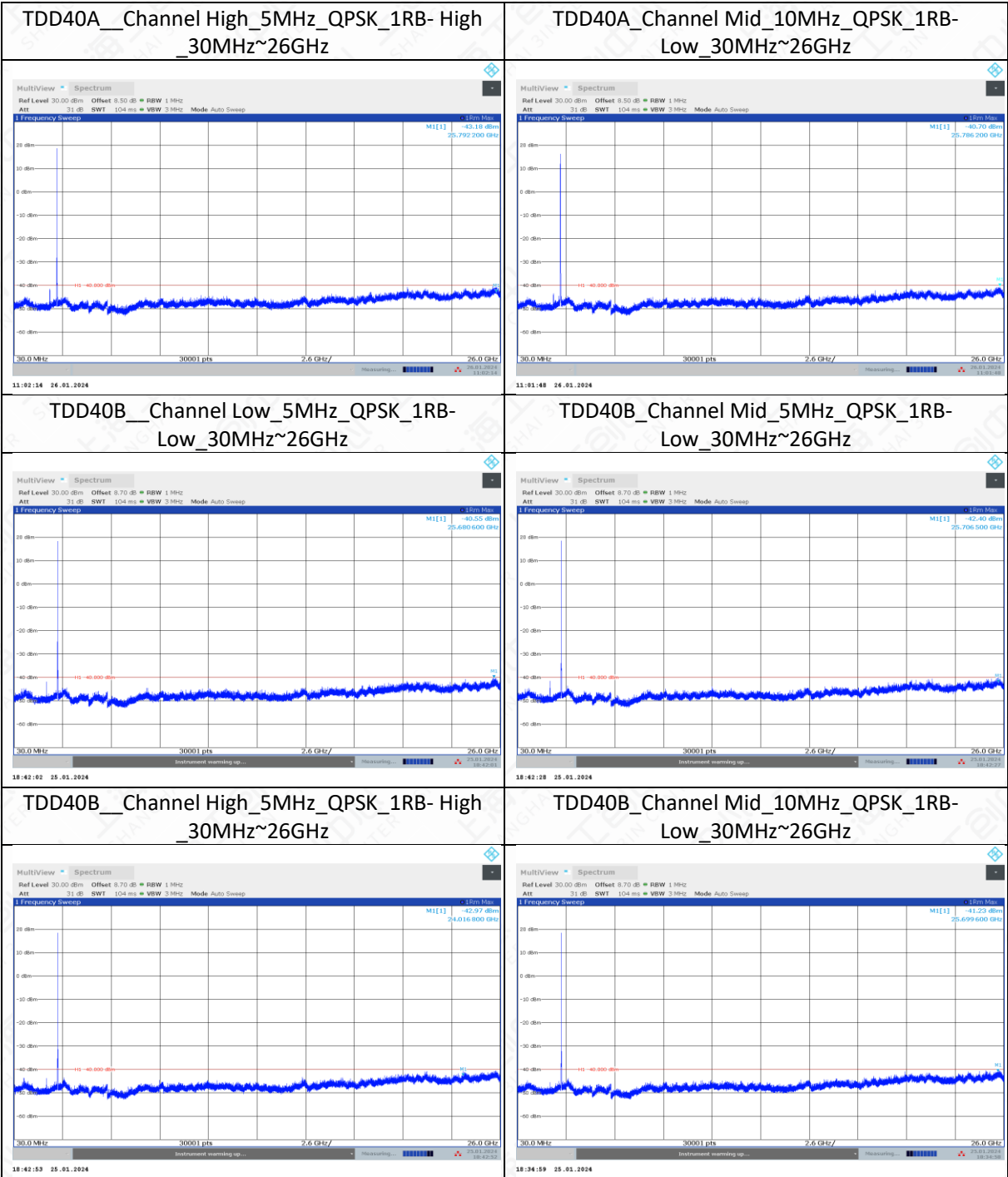
**FDD05\_Channel Mid\_1.4MHz\_QPSK\_1RB-  
Low\_30MHz~26GHz**

**FDD05\_Channel Mid\_10MHz\_QPSK\_1RB-  
Low\_30MHz~26GHz**

**FDD05\_Channel High\_1.4MHz\_QPSK\_1RB- High  
\_30MHz~26GHz**

**FDD05\_Channel High\_10MHz\_QPSK\_1RB- High  
\_30MHz~26GHz**

**FDD07\_Channel Low\_5MHz\_QPSK\_1RB-  
Low\_30MHz~26GHz**

**FDD07\_Channel Low\_20MHz\_QPSK\_1RB-  
Low\_30MHz~26GHz**




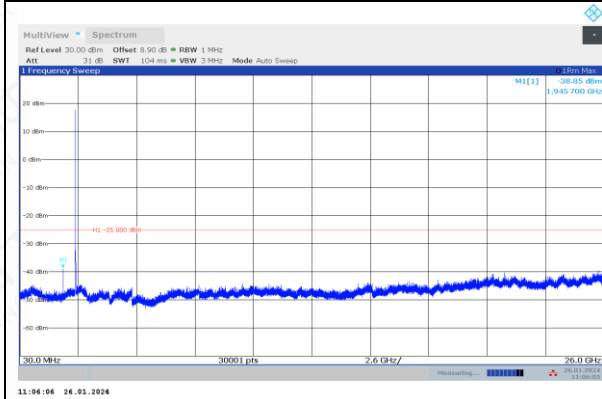


**FDD26\_22\_Channel Mid\_1.4MHz\_QPSK\_1RB-Low\_30MHz~26GHz**

**FDD26\_22\_Channel Mid\_15MHz\_QPSK\_1RB-Low\_30MHz~26GHz**

**FDD26\_22\_Channel High\_1.4MHz\_QPSK\_1RB-High\_30MHz~26GHz**

**FDD26\_22\_Channel High\_15MHz\_QPSK\_1RB-High\_30MHz~26GHz**

**TDD38\_Channel Low\_5MHz\_QPSK\_1RB-Low\_30MHz~26GHz**

**TDD38\_Channel Low\_20MHz\_QPSK\_1RB-Low\_30MHz~26GHz**


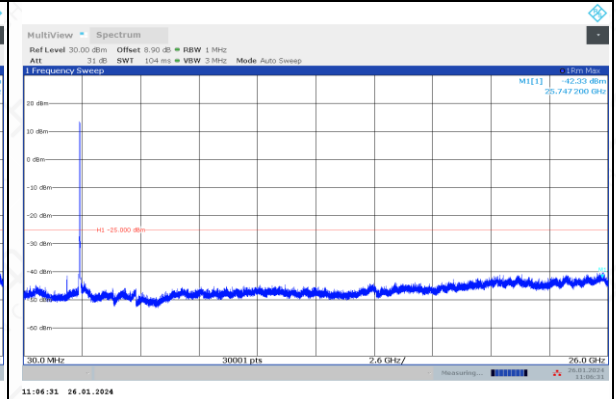




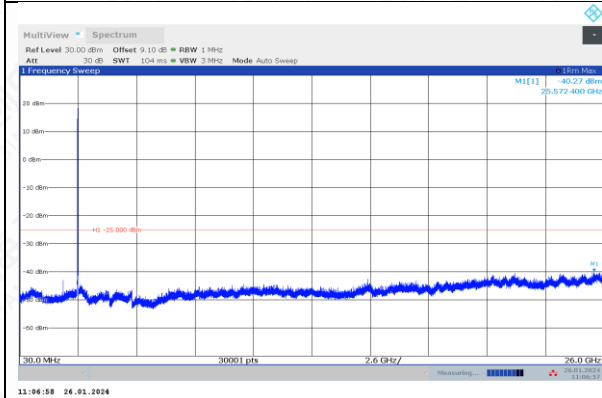
TDD41\_\_Channel Low\_5MHz\_QPSK\_1RB-  
Low\_30MHz~26GHz



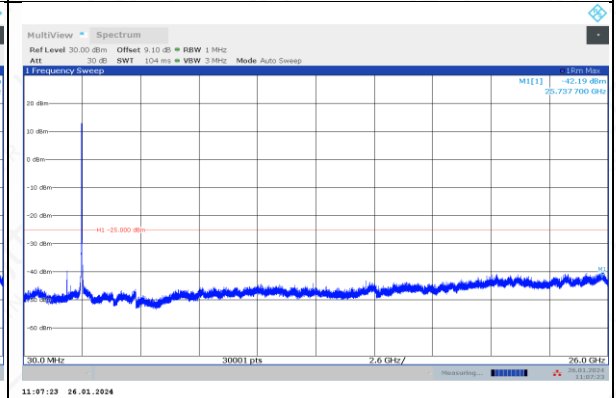
TDD41\_\_Channel Low\_20MHz\_QPSK\_1RB-  
Low\_30MHz~26GHz



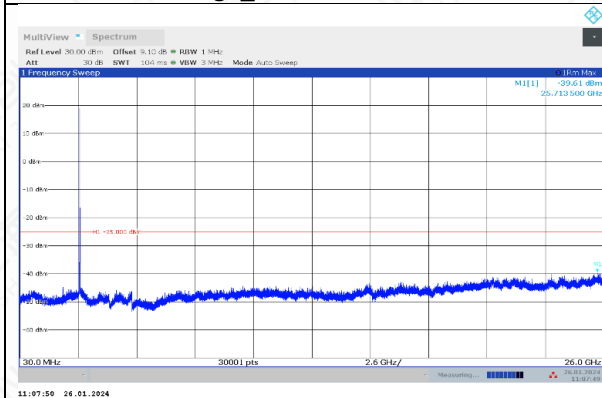
TDD41\_\_Channel Mid\_5MHz\_QPSK\_1RB-  
Low\_30MHz~26GHz



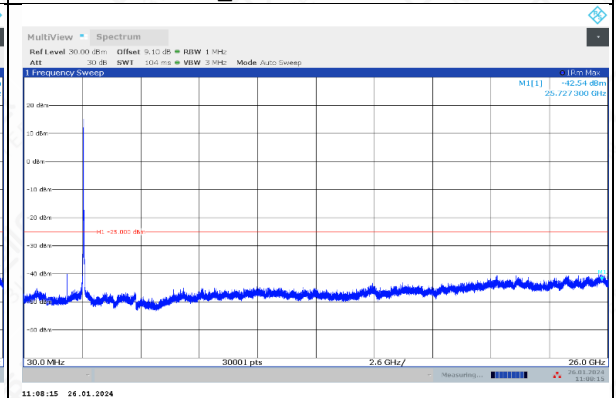
TDD41\_\_Channel Mid\_20MHz\_QPSK\_1RB-  
Low\_30MHz~26GHz



TDD41\_\_Channel High\_5MHz\_QPSK\_1RB-  
High\_30MHz~26GHz



TDD41\_\_Channel High\_20MHz\_QPSK\_1RB- High  
\_30MHz~26GHz



## 6.8 Peak-To-Average Power Ratio

### 6.8.1 Measurement Limit

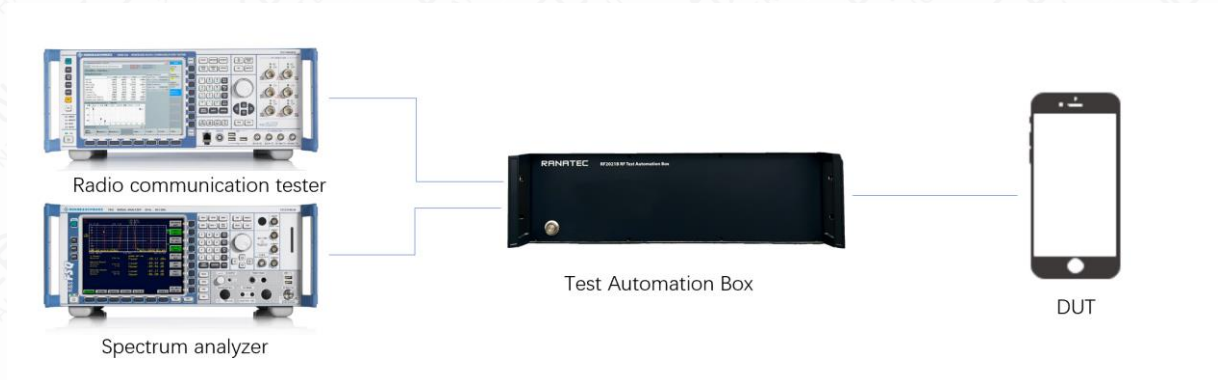
CFR Part 22.913(d)/24.232(d)/27.50 :The peak-to-average ratio (PAR) of the transmission must not exceed 13 dB.

### 6.8.2 Method of Measurement

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission. According to KDB 971168 5.7:

- a) Refer to instrument’s analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth  $\geq$  signal’s occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval to 1 ms
- e) Record the maximum PAPR level associated with a probability of 0.1%

### 6.8.3 Test Setup



### 6.8.4 Measurement results

| Band  | Channel | BandWidth | RbMode | QPSK(dBm) | Q16(dBm) |
|-------|---------|-----------|--------|-----------|----------|
| FDD02 | Low     | 20        | fullRB | 4.97      | 6.25     |
| FDD02 | Mid     | 20        | fullRB | 4.97      | 6.28     |
| FDD02 | High    | 20        | fullRB | 4.87      | 6.25     |
| FDD04 | Low     | 20        | fullRB | 5.00      | 6.19     |
| FDD04 | Mid     | 20        | fullRB | 4.97      | 6.12     |
| FDD04 | High    | 20        | fullRB | 4.97      | 6.15     |
| FDD05 | Low     | 10        | fullRB | 5.48      | 6.25     |

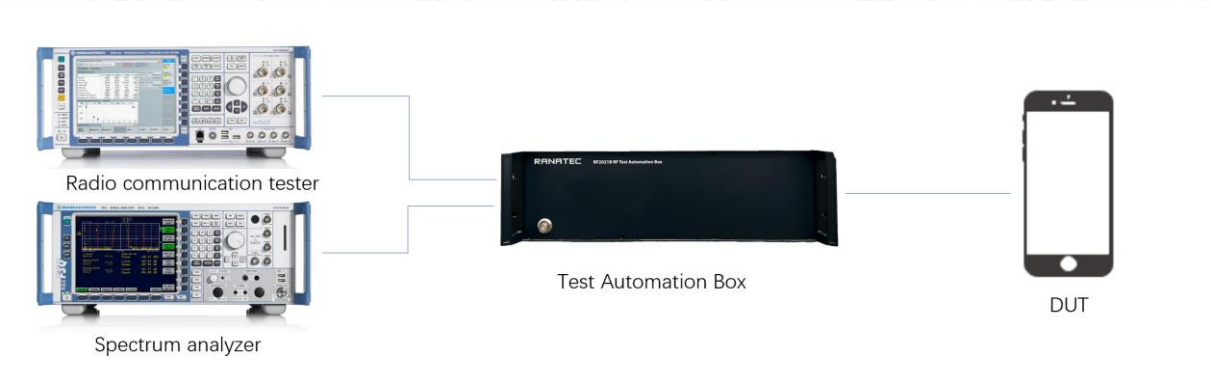
| Band                | Channel   | BandWidth | RbMode | QPSK(dBm) | Q16(dBm) |
|---------------------|-----------|-----------|--------|-----------|----------|
| FDD05               | Mid       | 10        | fullRB | 8.53      | 6.22     |
| FDD05               | High      | 10        | fullRB | 5.45      | 6.25     |
| FDD07               | Low       | 20        | fullRB | 5.03      | 6.28     |
| FDD07               | Mid       | 20        | fullRB | 4.90      | 6.28     |
| FDD07               | High      | 20        | fullRB | 4.97      | 6.28     |
| FDD26(PART 22)      | Low       | 15        | fullRB | 4.90      | 6.09     |
| FDD26(PART 22)      | Mid       | 15        | fullRB | 4.87      | 8.46     |
| FDD26(PART 22)      | High      | 15        | fullRB | 4.94      | 6.06     |
| TDD38               | Low       | 20        | fullRB | 9.55      | 10.58    |
| TDD38               | Mid       | 20        | fullRB | 8.04      | 10.06    |
| TDD38               | High      | 20        | fullRB | 7.60      | 10.77    |
| TDD40(2305-2315MHz) | LowRange  | 5         | fullRB | 9.84      | 9.29     |
| TDD40(2305-2315MHz) | MidRange  | 10        | fullRB | 8.08      | 9.20     |
| TDD40(2305-2315MHz) | HighRange | 5         | fullRB | 9.78      | 10.58    |
| TDD40(2350-2360MHz) | LowRange  | 5         | fullRB | 9.90      | 10.71    |
| TDD41               | Low       | 20        | fullRB | 9.62      | 10.45    |
| TDD41               | Mid       | 20        | fullRB | 9.23      | 8.85     |
| TDD41               | High      | 20        | fullRB | 9.58      | 9.20     |

## 6.9 Duty Cycle

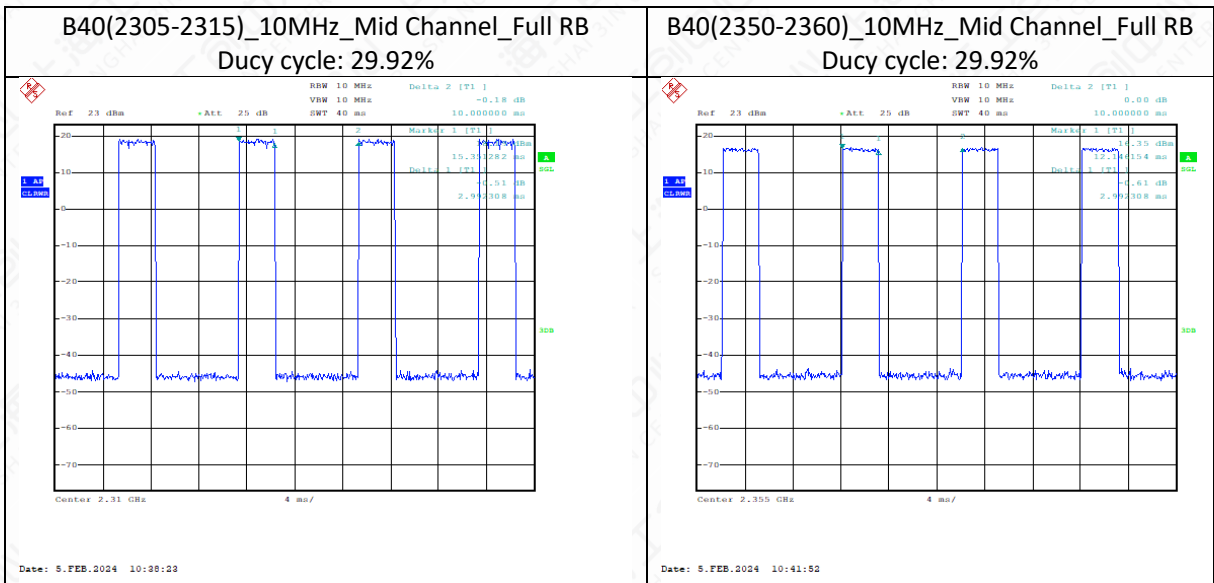
### 6.9.1 Measurement Limit

For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305–2315 MHz and 2350–2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305–2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

### 6.9.2 Test Setup



### 6.9.3 Measurement results



**Annex A: Revised History**

| Version | Revised Content                 |
|---------|---------------------------------|
| V00     | Initial                         |
| V01     | Modify some data and statements |
| V02     | Modify duty cycle data          |



Annex B: Accreditation Certificate



The image shows an accreditation certificate from A2LA. At the top, there are logos for ILAC-MRA and A2LA. The main title is "Accredited Laboratory". Below that, it states "A2LA has accredited INDUSTRIAL INTERNET INNOVATION CENTER (SHANGHAI) CO., LTD. Shanghai, People's Republic of China". The field of accreditation is "Electrical Testing". A paragraph explains that the laboratory is accredited to ISO/IEC 17025:2017. A gold seal on the left says "CORPORATE SEAL 1978" and "A2LA". A signature and name "Mr. Trace McInturff" are on the right, along with the certificate number 3682.01 and validity date of February 28, 2025. A footer note refers to the laboratory's Electrical Scope of Accreditation.

END OF REPORT