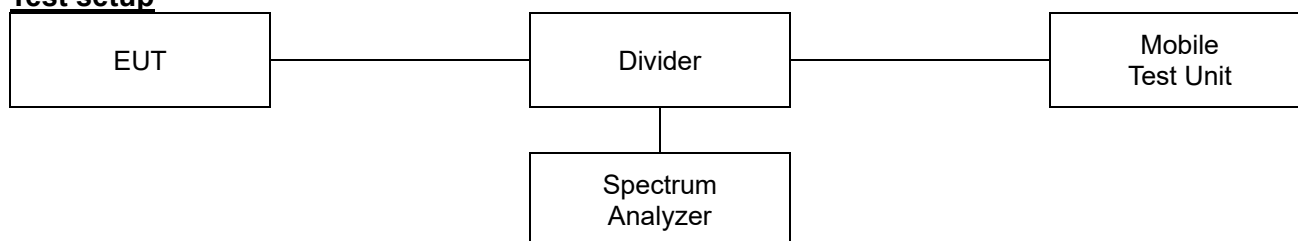


7.3. Band Edge Emissions at Antenna Terminal

Test setup



Limit

According to §27.53(c)(2),

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;
- (6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment

According to §27.53(g),

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P_{\text{[Watts]}})$ dB.

According to §27.53(h),

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log (P_{\text{[Watts]}})$ dB.

Test procedure

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ANSI C63.26-2015 – Section 5.7

Test settings

- 1) Start and stop frequency were set such that the band edge would be placed in the center of the plot
- 2) Span was set large enough so as to capture all out of band emissions near the band edge.
- 3) Set the RBW > 1% of the emission bandwidth.
- 4) Set the VBW $\geq 3 \times$ RBW.
- 5) Set the number of sweep points $\geq 2 \times$ Span/RBW
- 6) Detector = RMS
- 7) Trace mode = trace average
- 8) Sweep time should be auto for peak detection. For RMS detection the sweep time should be set as follows:
 - a) If the device can be configured to transmit continuously (duty cycle $\geq 98\%$), set the (sweep time) > (number of points in sweep) $\times$ (symbol period) (e.g., by a factor of $10 \times$ symbol period $\times$ number of points) Increasing the sweep time (i.e., slowing the sweep speed) will allow for averaging over multiple symbols.
 - b) If the device cannot transmit continuously (duty cycle < 98%), a gated sweep shall be used when possible (i.e., gate triggered such that the analyzer only sweeps when the device is transmitting at full power), set the sweep time > (number of points in sweep) $\times$ (symbol period) but the sweep time shall always be maintained at a value that is less than or equal to the minimum transmission time
 - c) If the device cannot be configured to transmit continuously (duty cycle > 98%), and a free-running sweep must be used, set the sweep time so that the averaging is performed over multiple on/off cycles by setting the sweep time > (number of points in sweep) $\times$ (transmitter period) (i.e., the transmit on-time + the off-time). The spectrum analyzer readings shall subsequently be corrected by $[10 \log (1/\text{duty cycle})]$. This assumes that the transmission period and duty cycle is relatively constant (duty cycle variation $\leq \pm 2\%$).
 - d) If the device cannot be configured to transmit continuously and a free-running sweep must be used, and if the transmissions exhibit a non-constant duty cycle (duty cycle variations > $\pm 2\%$), set the sweep time so that the averaging is performed over the on-period by setting the sweep time > (symbol period) $\times$ (number of points), while also maintaining the sweep time < (transmitter on-time). The trace mode shall be set to max hold, since not every display point will be averaged only over just the on-time. Thus, multiple sweeps (e.g., 100) in maximum hold are necessary to ensure that the maximum power is measured.
- 9) Allow trace to fully stabilize.

Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-70-5008-1021 FAX: 82-505-299-8311 www.kctl.co.kr	Report No.: KR25-SRF0016 Page (73) of (170)	
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Notes:

1. Per 27.53(c)(5), for operations in the 776-768 MHz band, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed.
2. Per 27.53(c)(6), for operation in the 763-775 MHz and 793-805 MHz, the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
3. Per 27.53(g), compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.
4. Per 27.53(h)(3), compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
5. The EUT was setup to maximum output power as its lowest and highest channel with all bandwidth, modulation and RB configurations.
6. The measurement bandwidth is less than the reference bandwidth of 1MHz no additional correction to be applied as ANSI C63.26 section 4.2.3 only requires the correction to be applied when the OBW of the emission being measured is wider than the measurement bandwidth (Where the OBW of the signal under measurement is less than the RBW of the measuring instrument, no bandwidth correction or integration will be required). Plots for low and high channels show the level of the emission measured with the reduced bandwidth and the level of the emission measured with the reduced bandwidth and the level of the same emission measured using the integration method over the 1MHz reference bandwidth are very close, indicating the emissions are narrowband.

Test results

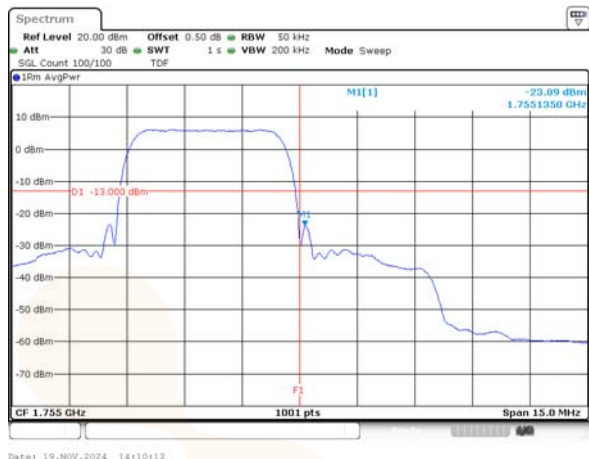
Test mode: WCDMA 1700

RMC

Low channel



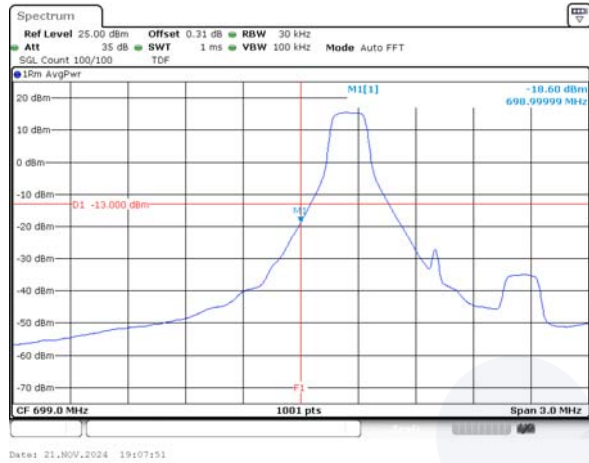
High channel



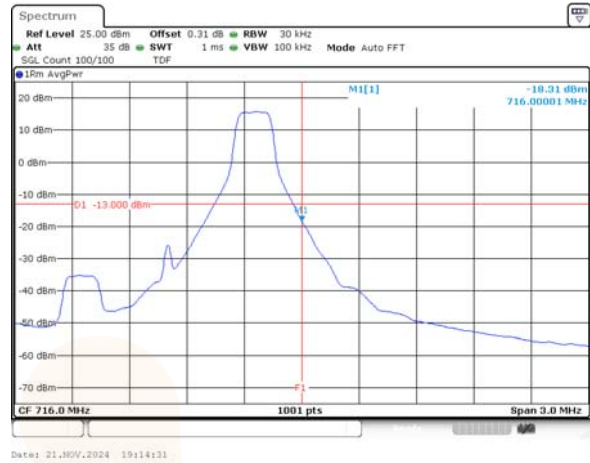
Test mode: LTE B12/17

1.4M BW QPSK

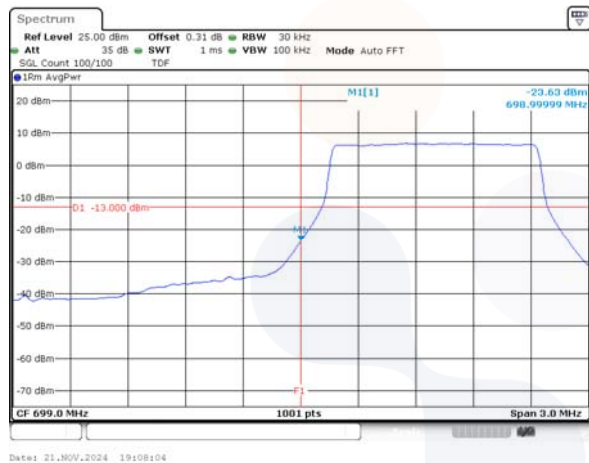
Low channel 1RB



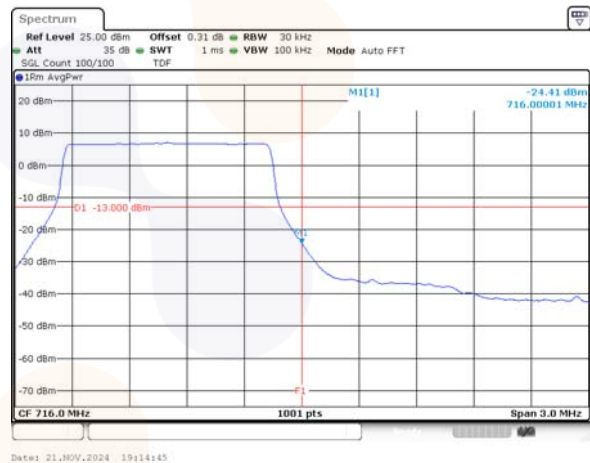
High channel 1RB



Low channel FRB

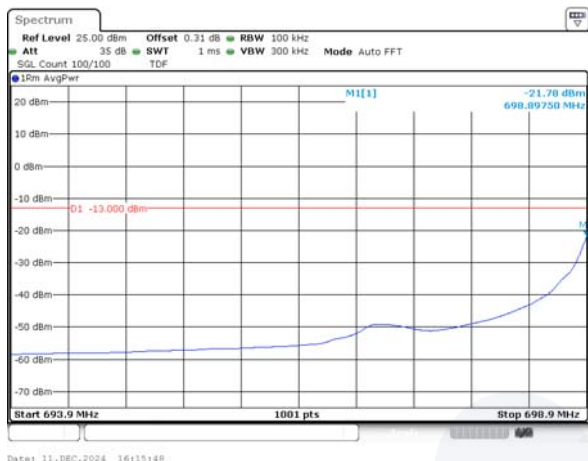


High channel FRB

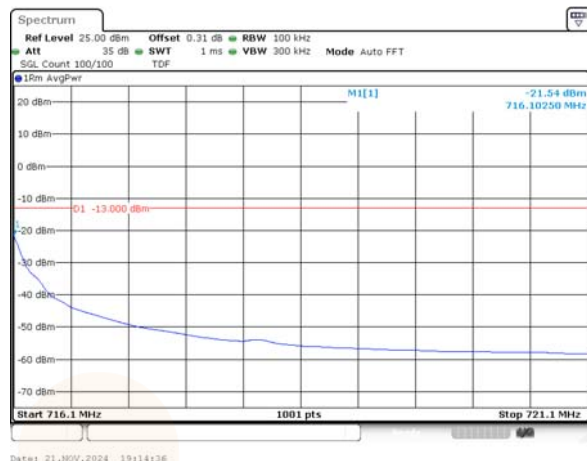


1.4M BW QPSK

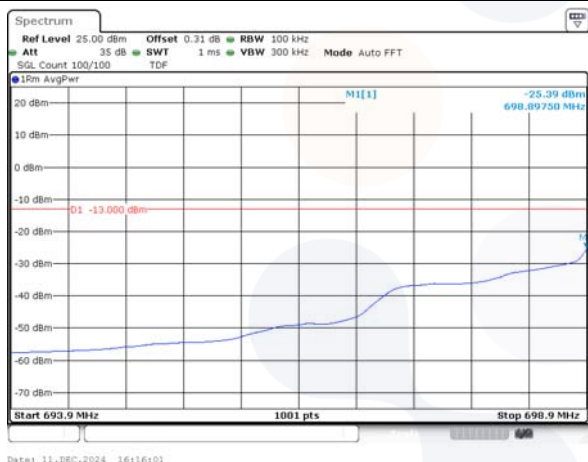
Lower extended 1RB



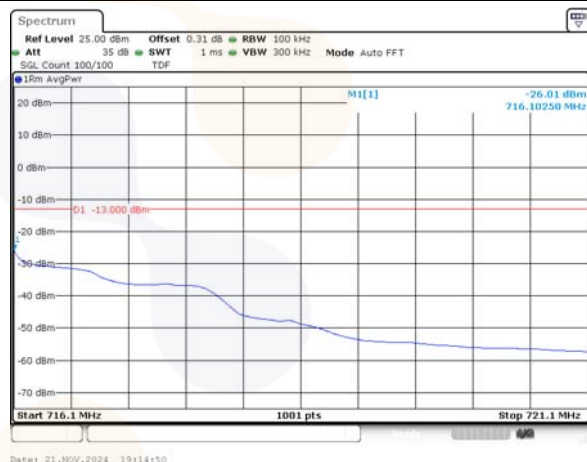
Upper extended 1RB



Lower extended FRB

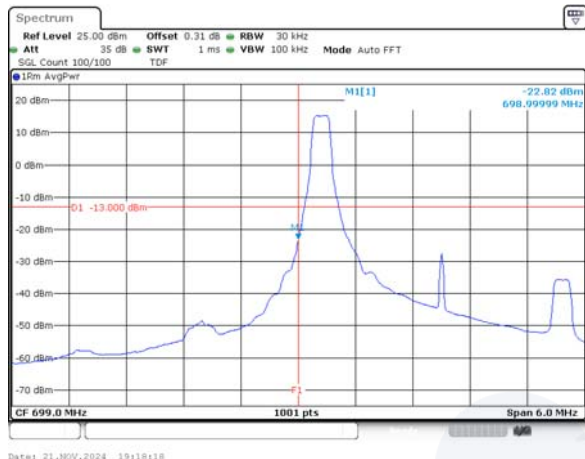


Upper extended FRB



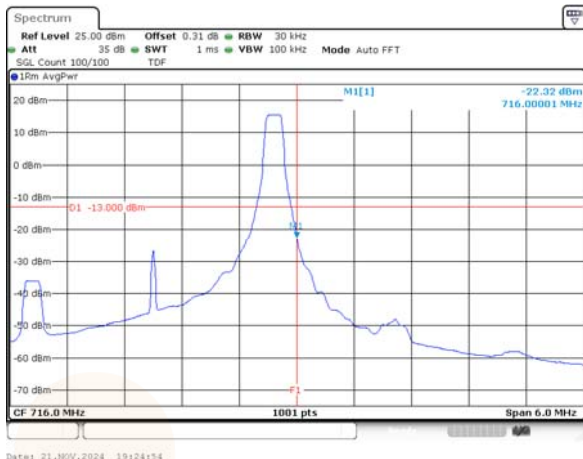
3M BW QPSK

Low channel 1RB



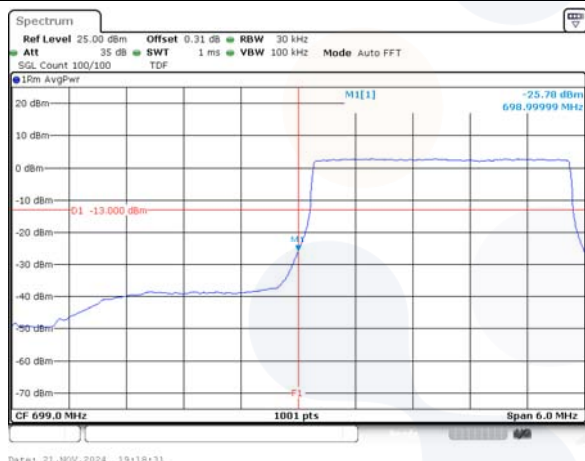
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High channel 1RB



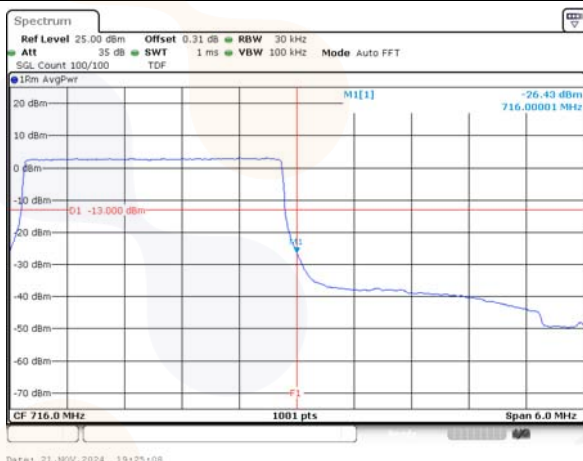
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Low channel FRB



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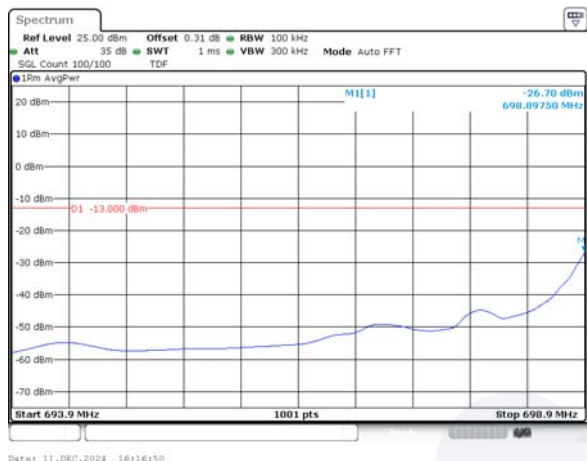
High channel FRB



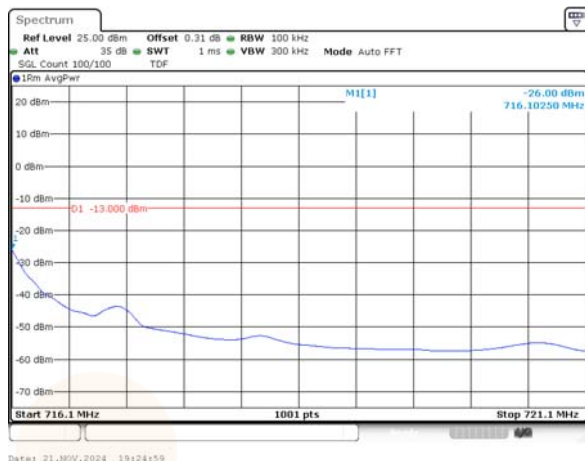
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3M BW QPSK

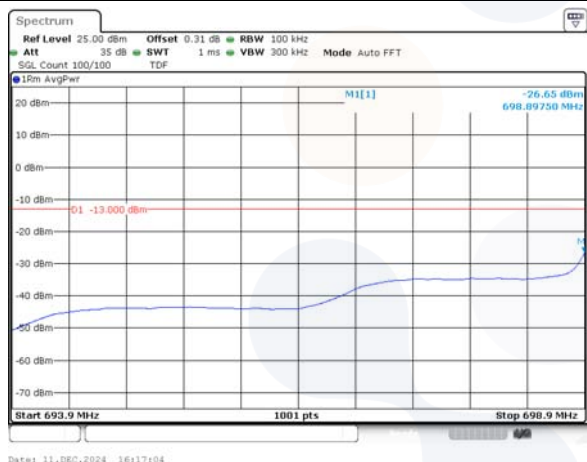
Lower extended 1RB



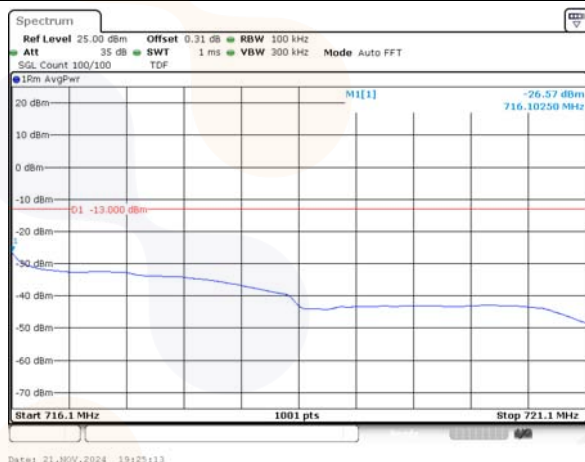
Upper extended 1RB



Lower extended FRB

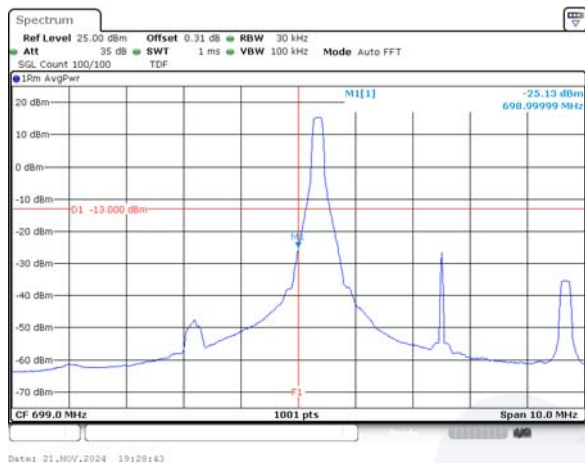


Upper extended FRB



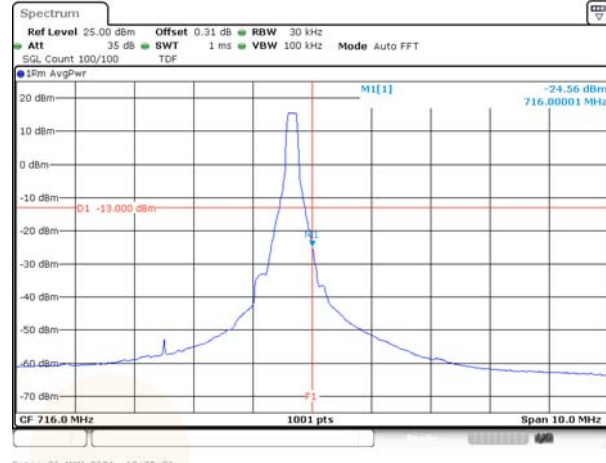
5M BW QPSK

Low channel 1RB



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High channel 1RB



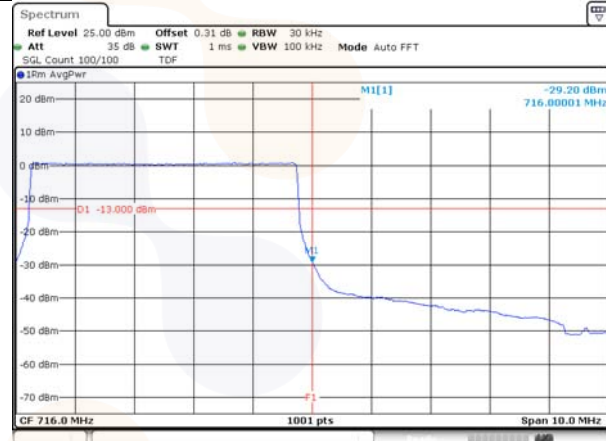
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Low channel FRB



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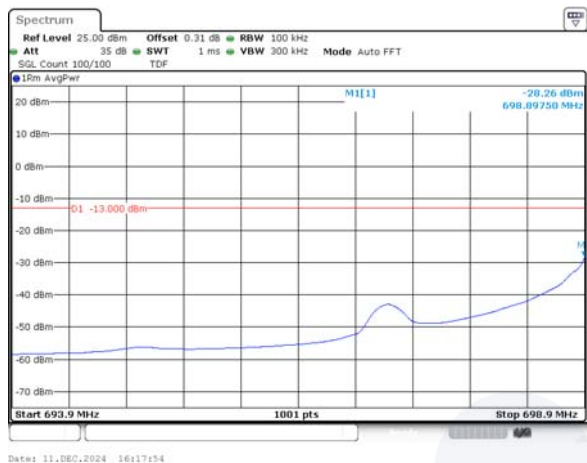
High channel FRB



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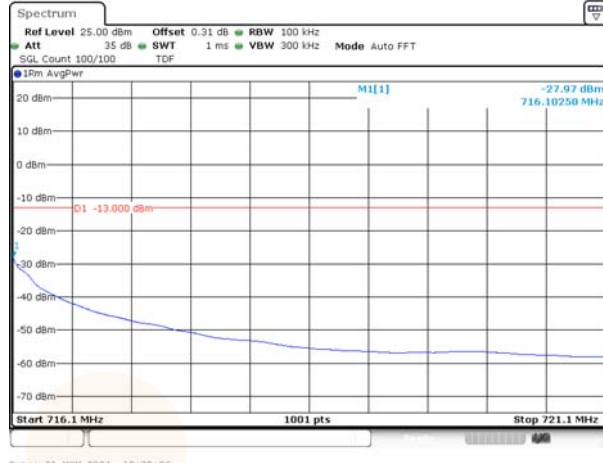
5M BW QPSK

Lower extended 1RB



Date: 11.DEC.2024 16:17:54

Upper extended 1RB



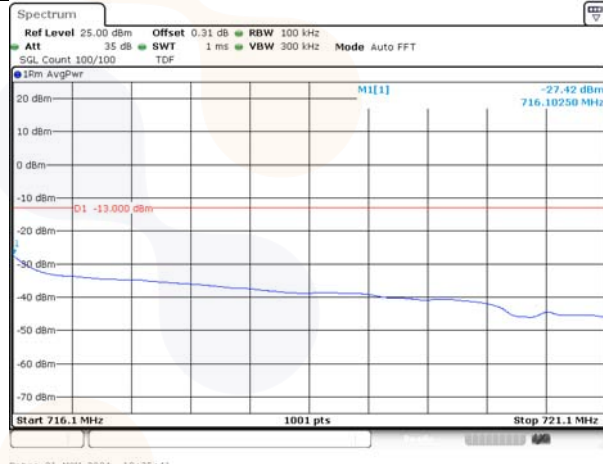
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Lower extended FRB



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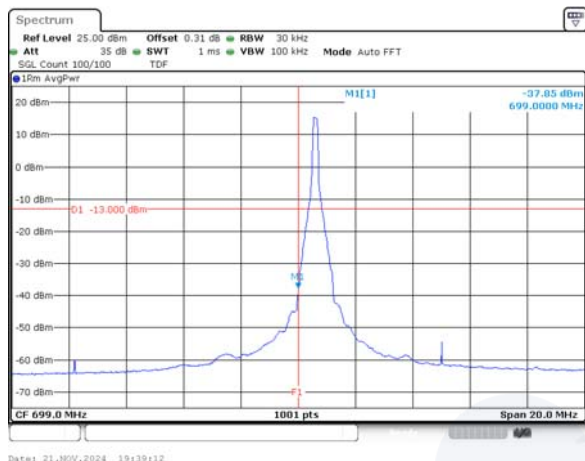
Upper extended FRB



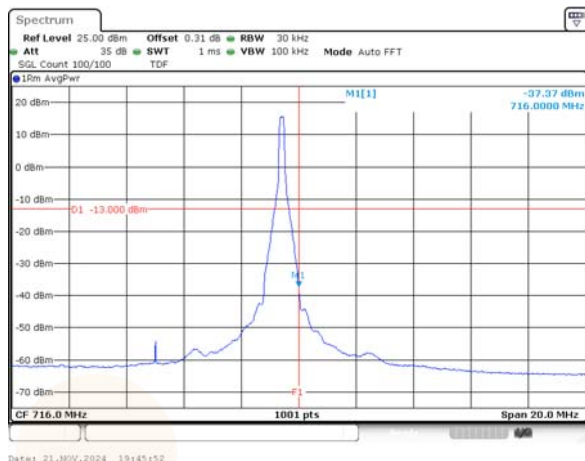
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10M BW QPSK

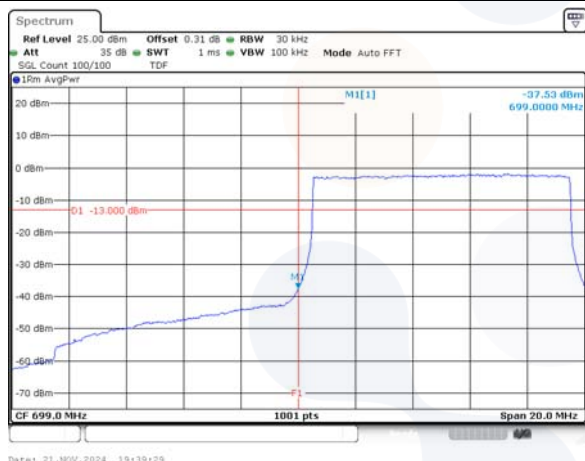
Low channel 1RB



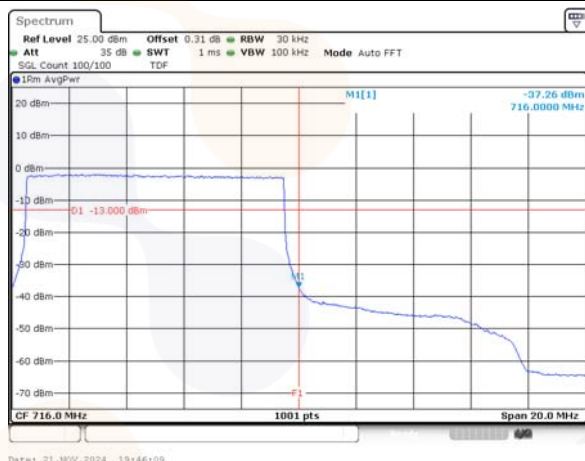
High channel 1RB



Low channel FRB

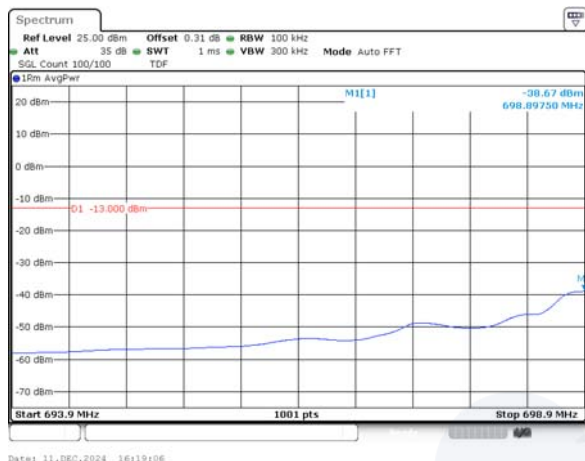


High channel FRB

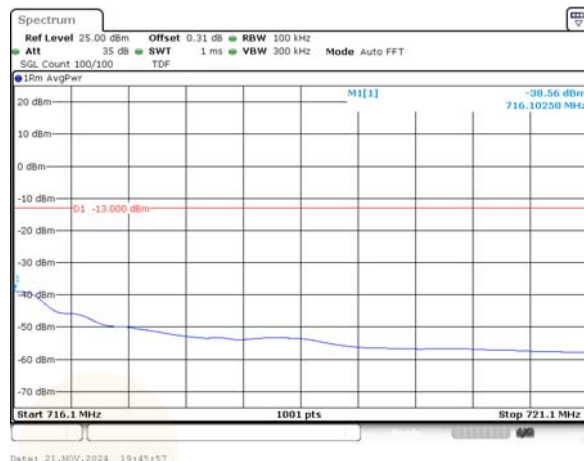


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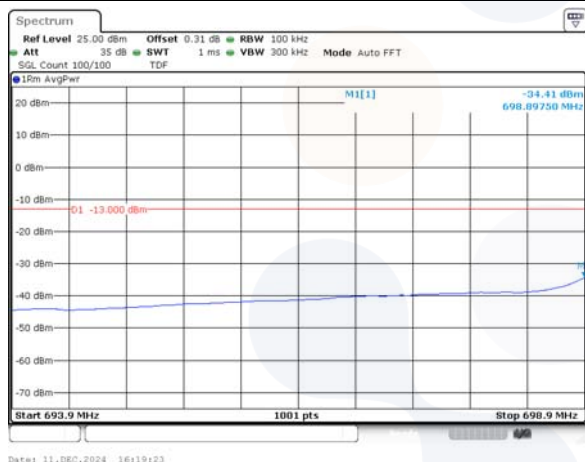
Lower extended 1RB



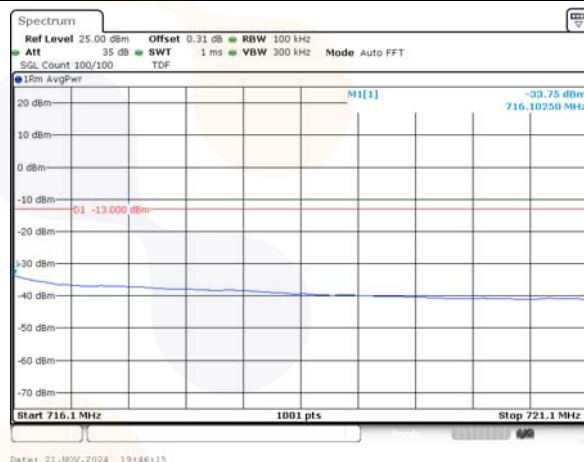
Upper extended 1RB



Lower extended FRB



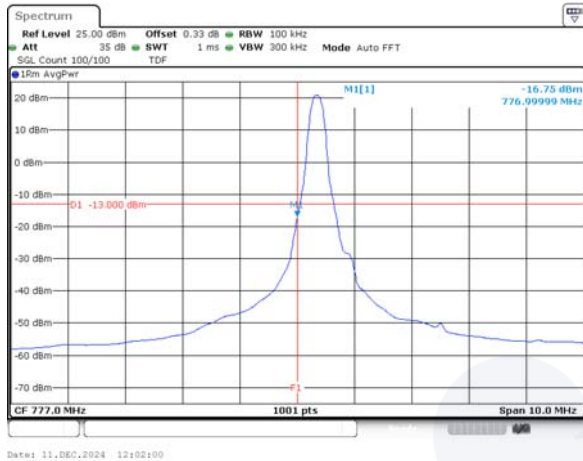
Upper extended FRB



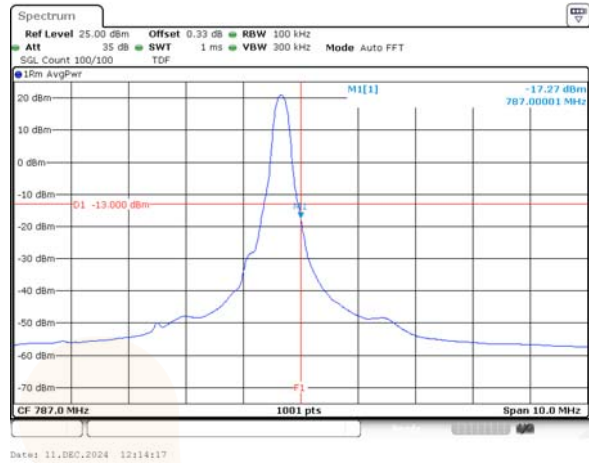
Test mode: LTE B13

5M BW QPSK

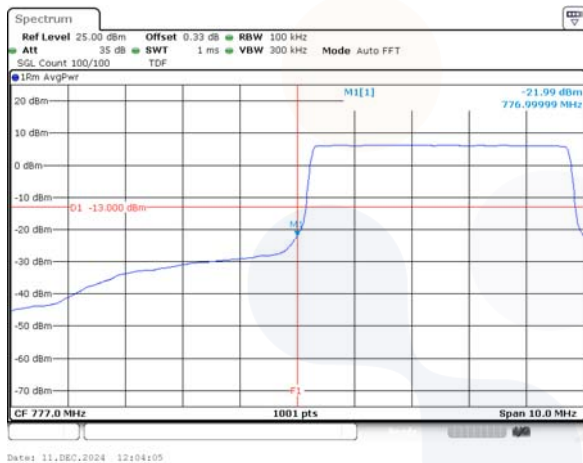
Low channel 1RB



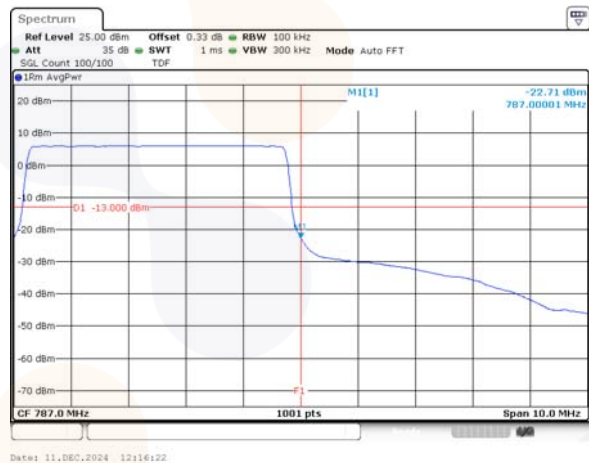
High channel 1RB



Low channel FRB

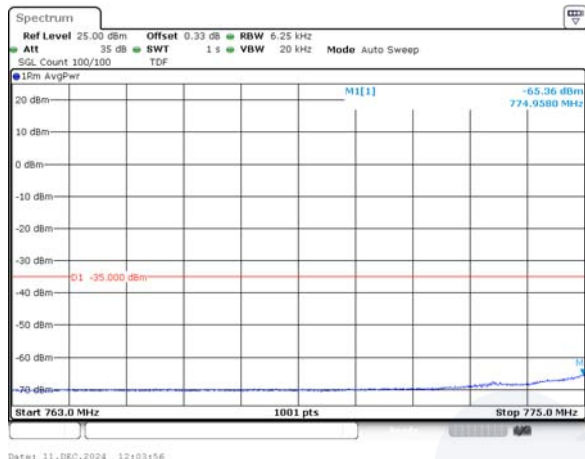


High channel FRB



5M BW QPSK

Lower extended 1RB



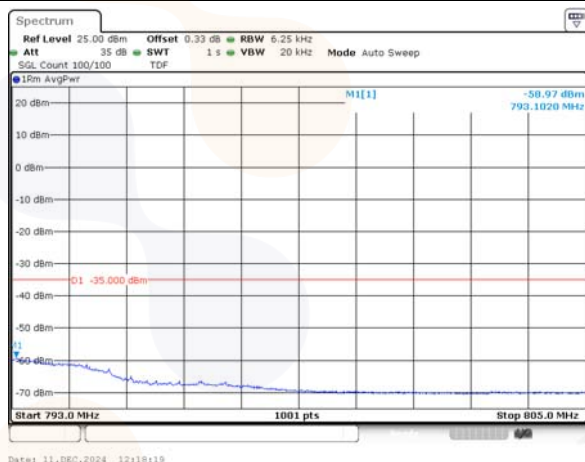
Upper extended 1RB



Lower extended FRB

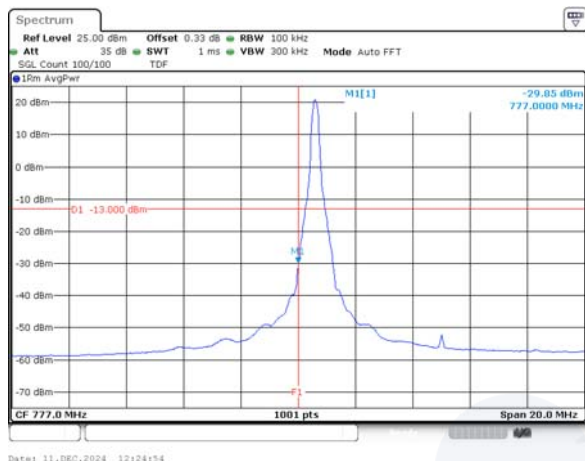


Upper extended FRB

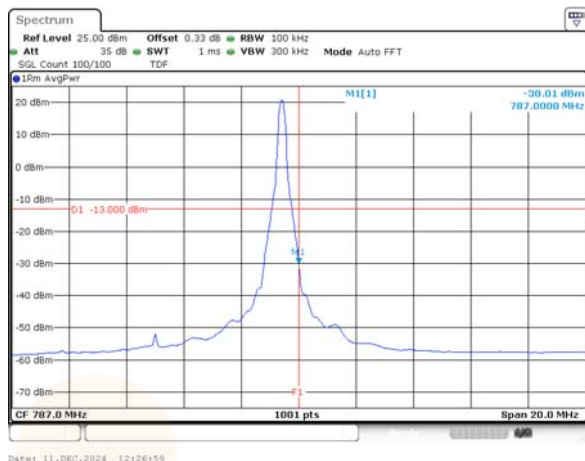


10M BW QPSK

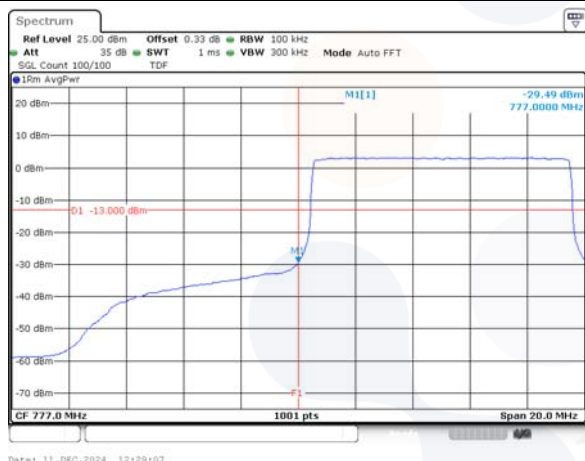
Middle channel Lower 1RB



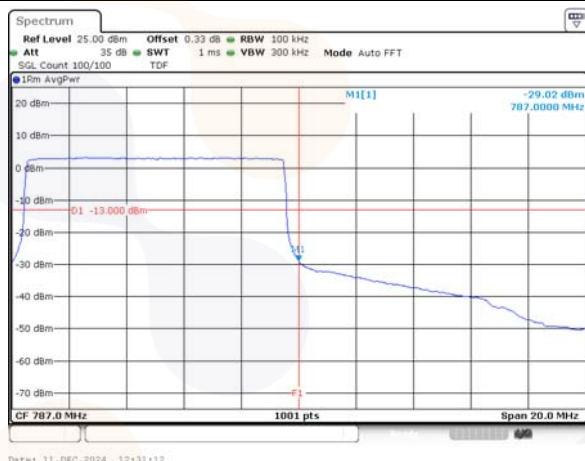
Middle channel Upper 1RB



Middle channel Lower FRB

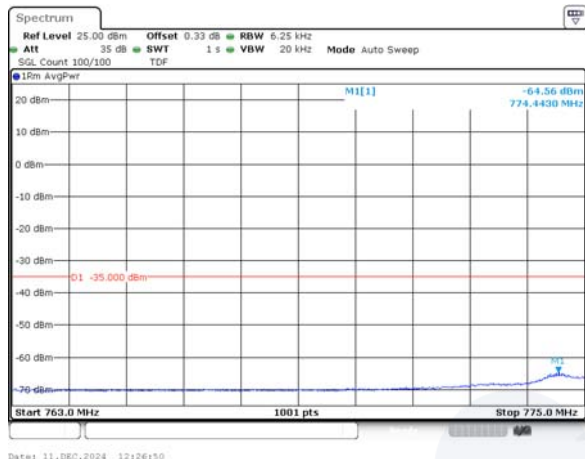


Middle channel Upper FRB



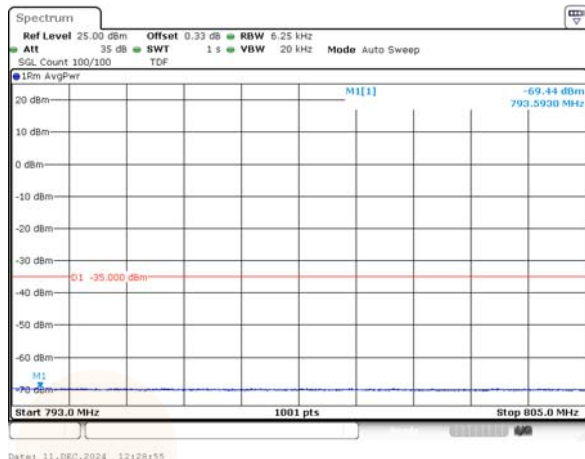
10M BW QPSK

Lower extended 1RB



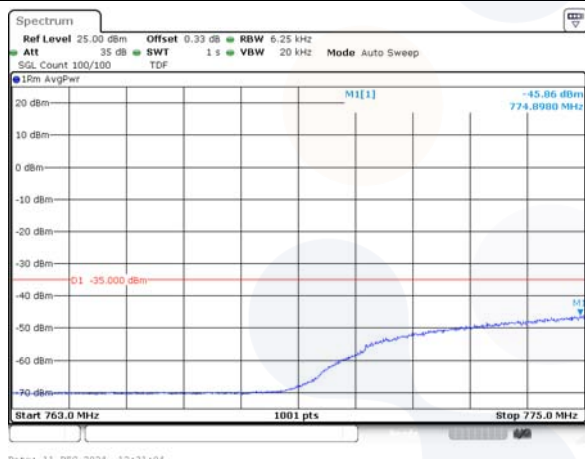
Date: 11.DEC.2024 12:26:50

Upper extended 1RB



Date: 11.DEC.2024 12:28:55

Lower extended FRB



Date: 11.DEC.2024 12:31:04

Upper extended FRB

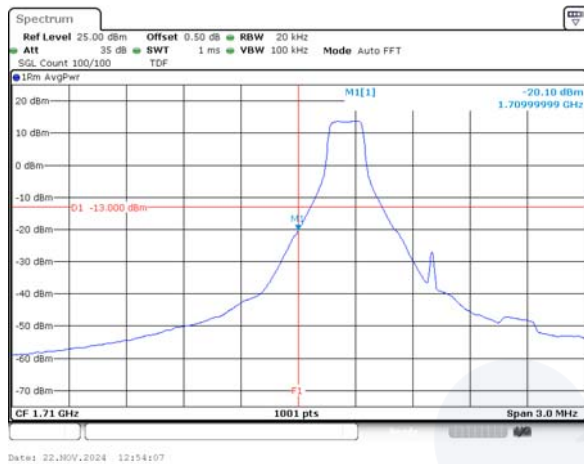


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Test mode: LTE B66/4

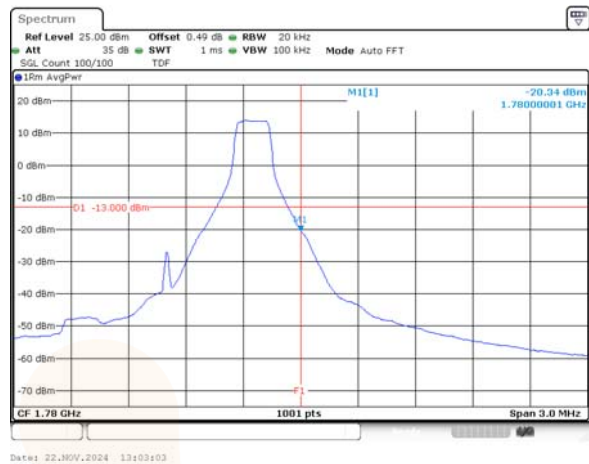
1.4M BW QPSK

Low channel 1RB



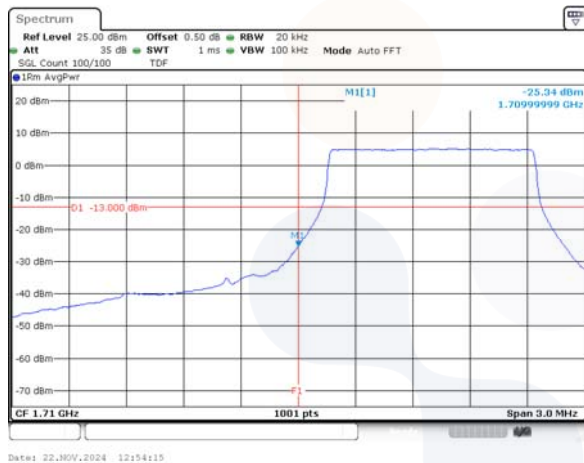
Date: 22.NOV.2024 12:54:07

High channel 1RB



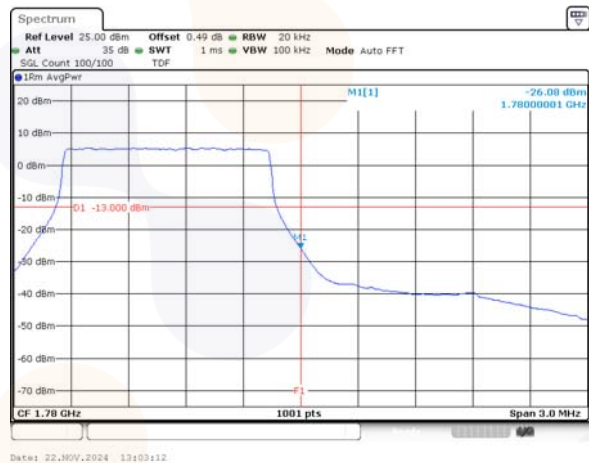
Date: 22.NOV.2024 13:03:03

Low channel FRB



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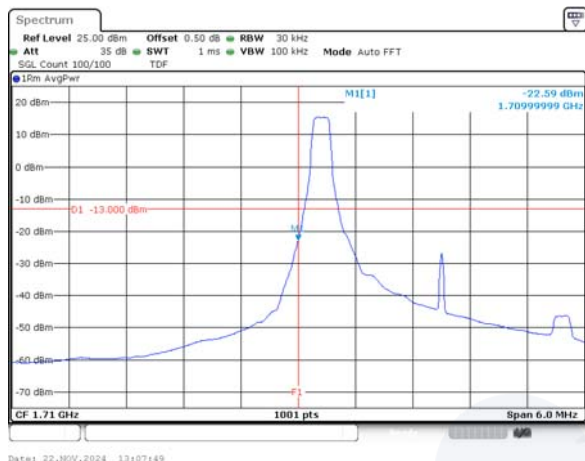
High channel FRB



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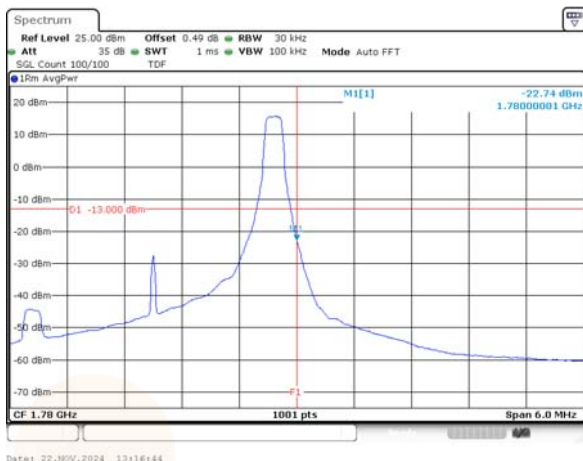
3M BW QPSK

Low channel 1RB



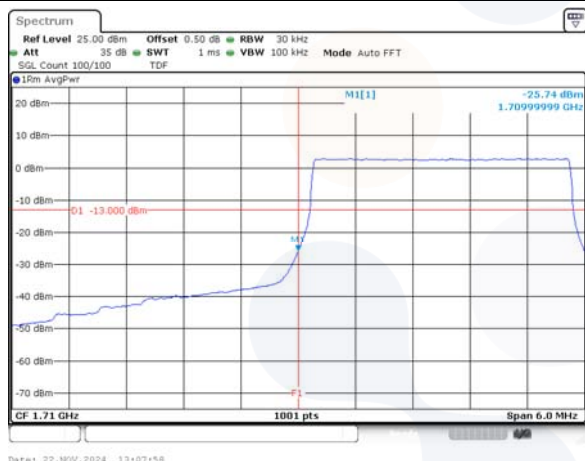
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High channel 1RB



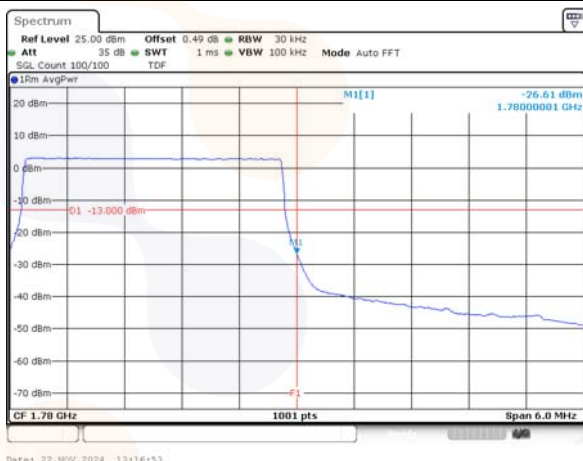
Date: 22.NOV.2024 13:16:44

Low channel FRB



Date: 22.NOV.2024 13:07:58

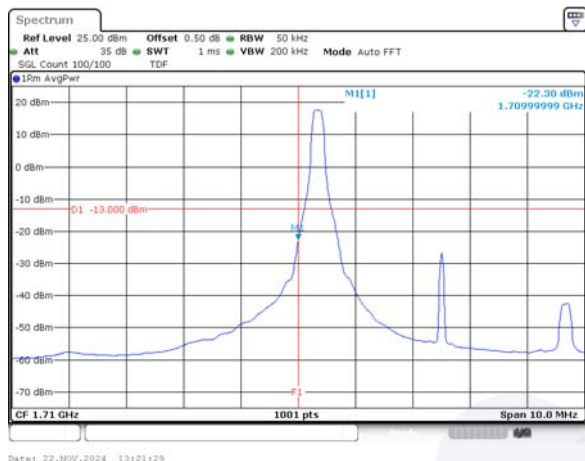
High channel FRB



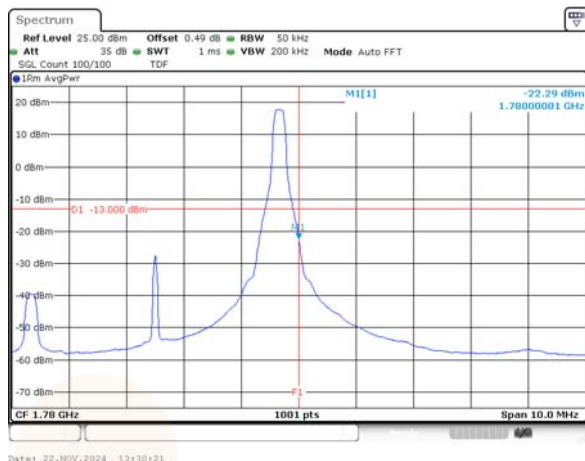
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5M BW QPSK

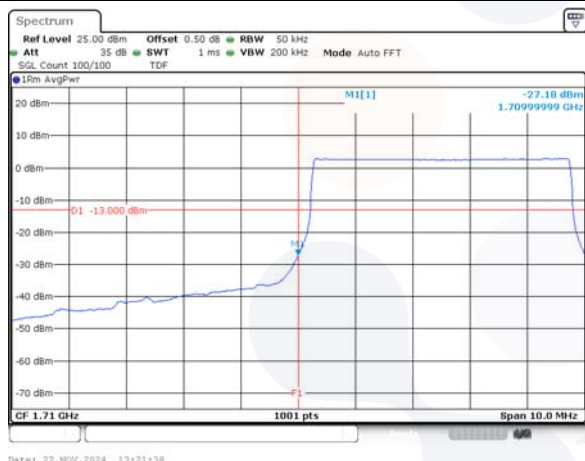
Low channel 1RB



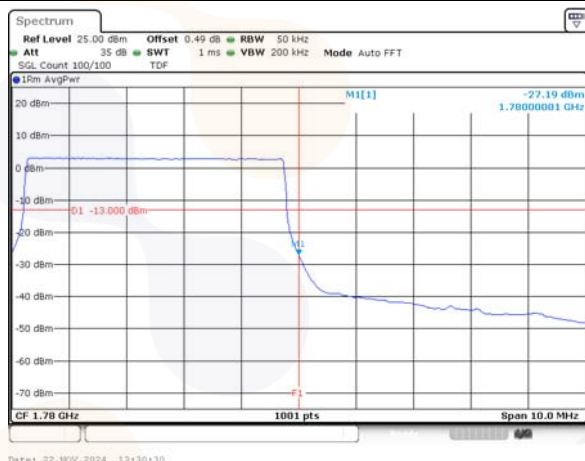
High channel 1RB



Low channel FRB

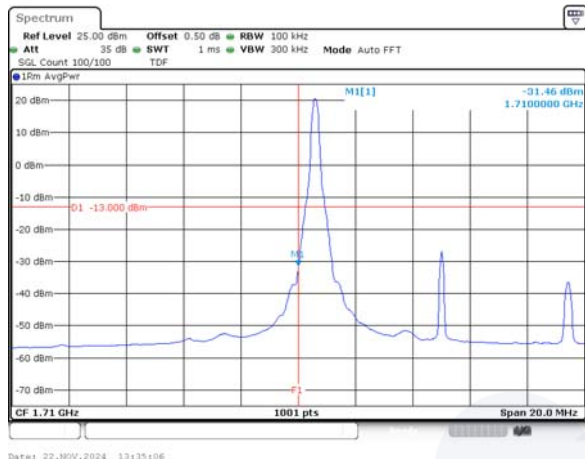


High channel FRB

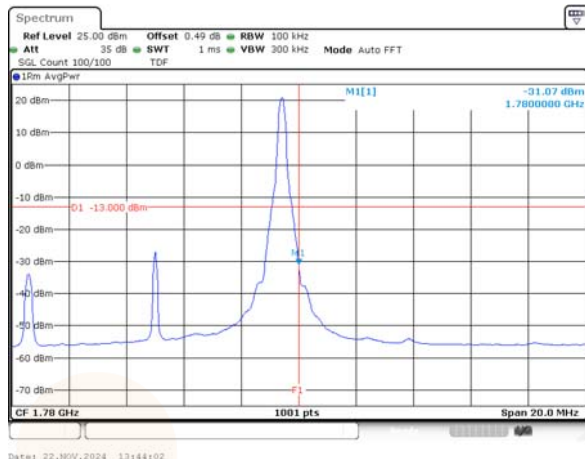


10M BW QPSK

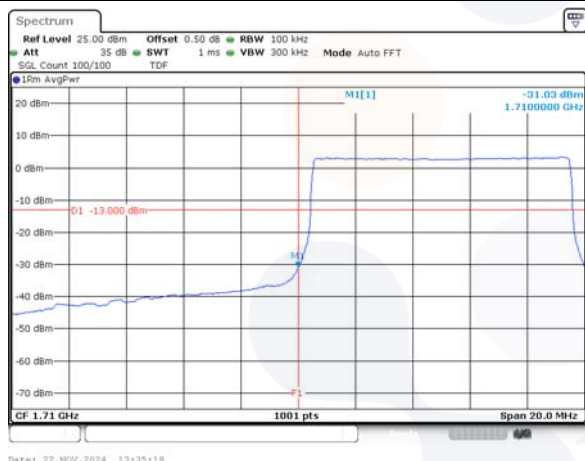
Low channel 1RB



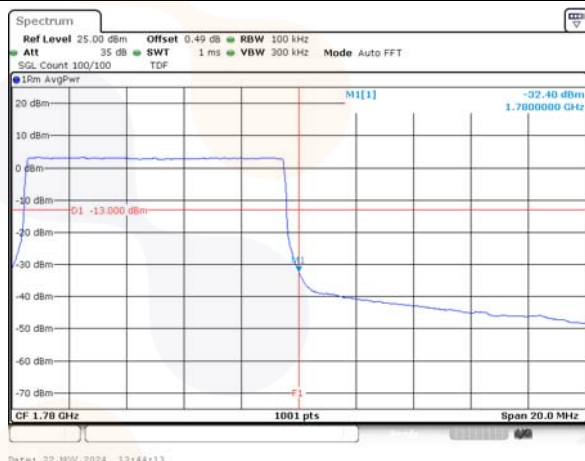
High channel 1RB



Low channel FRB

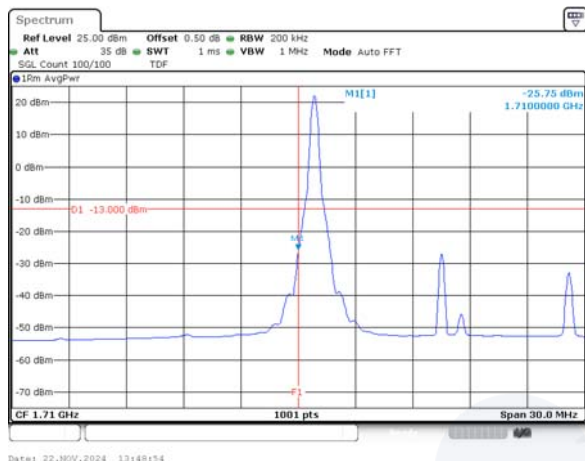


High channel FRB



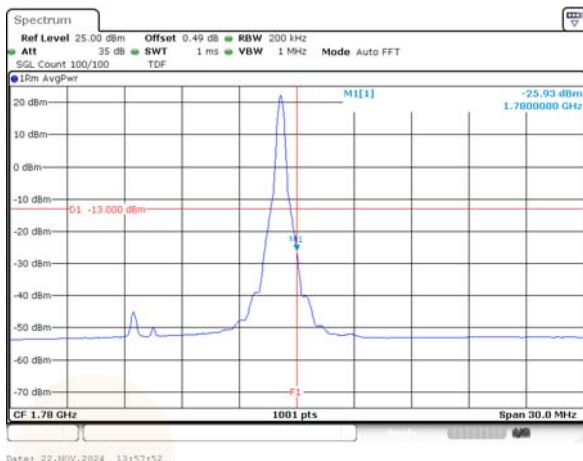
15M BW QPSK

Low channel 1RB



Date: 22.NOV.2024 13:48:54

High channel 1RB



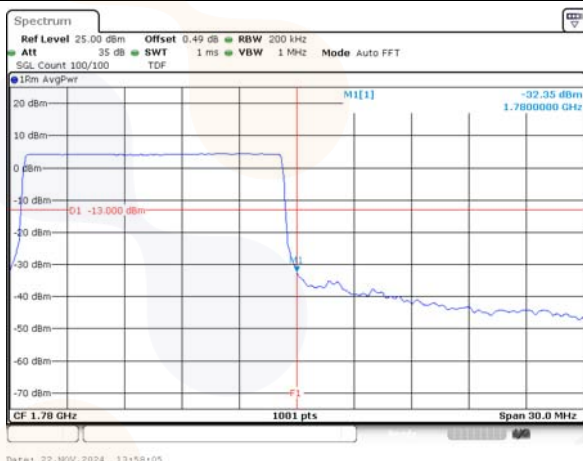
Date: 22.NOV.2024 13:57:52

Low channel FRB



Date: 22.NOV.2024 13:49:07

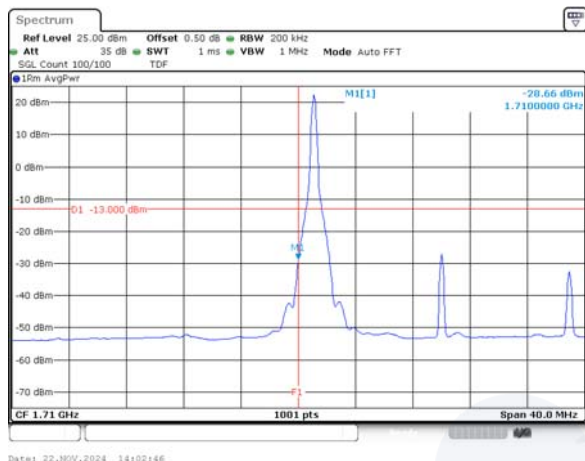
High channel FRB



Date: 22.NOV.2024 13:58:05

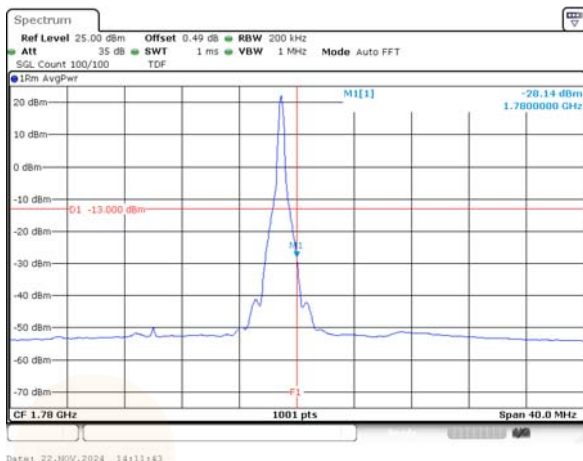
20M BW QPSK

Low channel 1RB



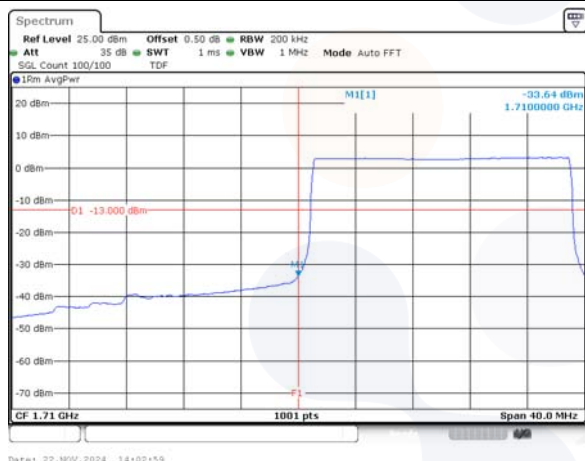
Date: 22.NOV.2024 14:02:46

High channel 1RB



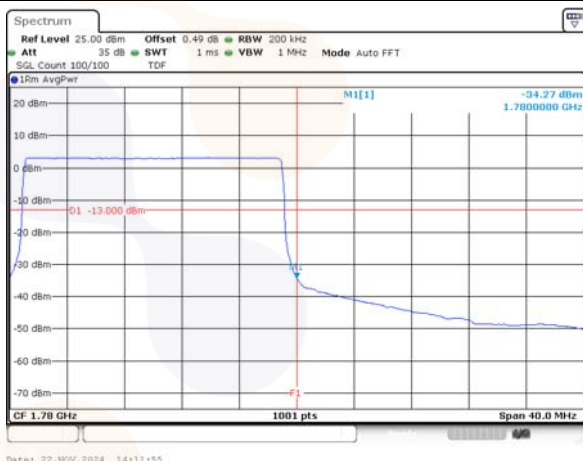
Date: 22.NOV.2024 14:13:43

Low channel FRB



Date: 22.NOV.2024 14:02:59

High channel FRB

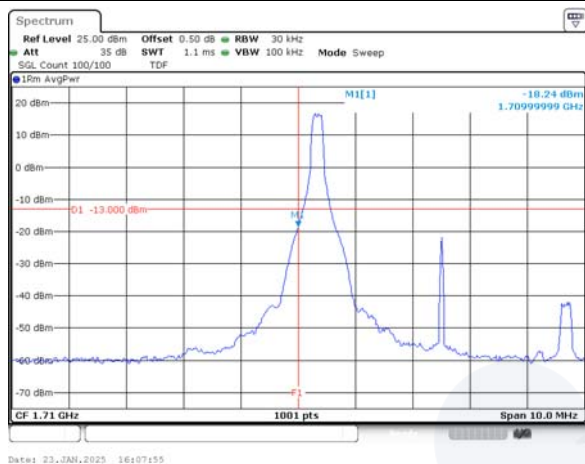


Date: 22.NOV.2024 14:13:55

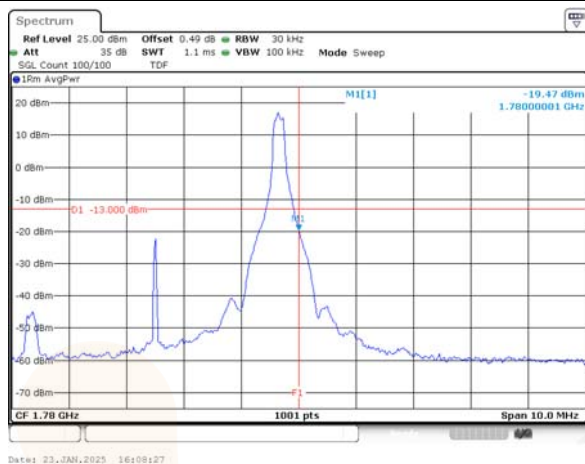
Test mode: 5G NR n66 DFT-s OFDM

5M BW QPSK

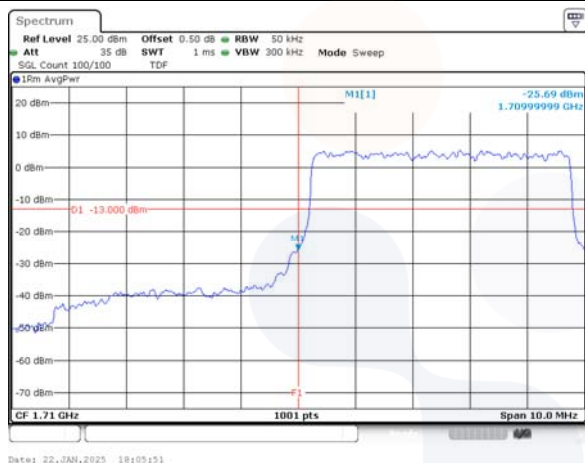
Low channel 1RB



High channel 1RB



Low channel FRB

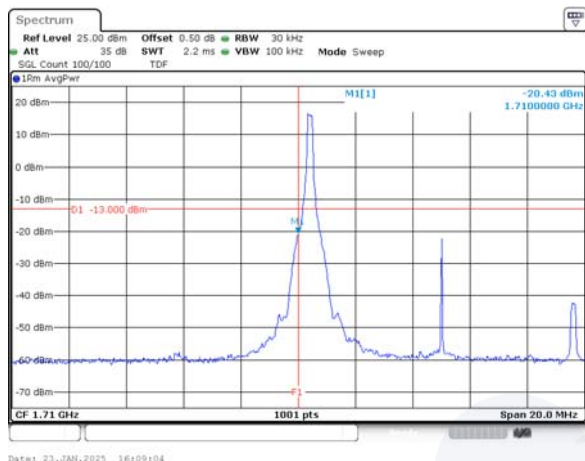


High channel FRB

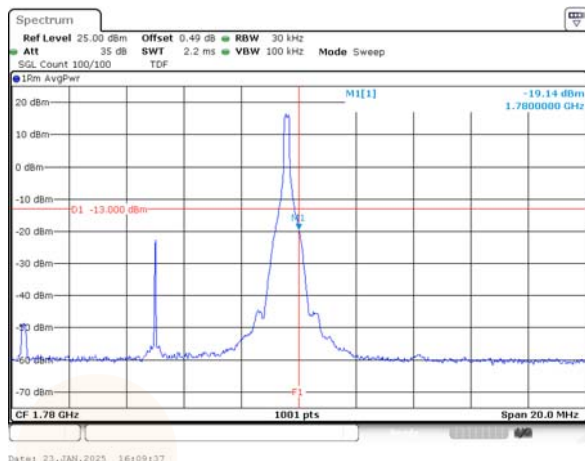


10M BW QPSK

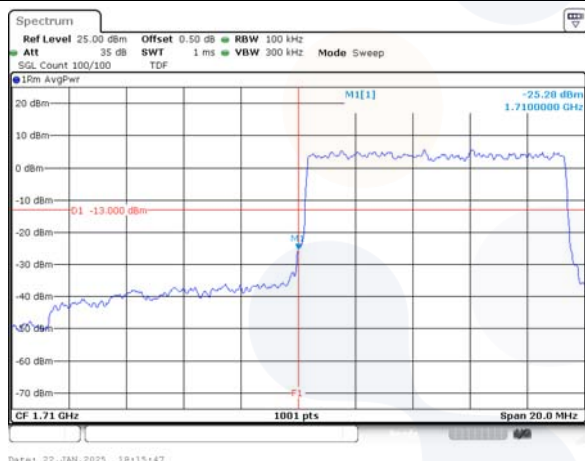
Low channel 1RB



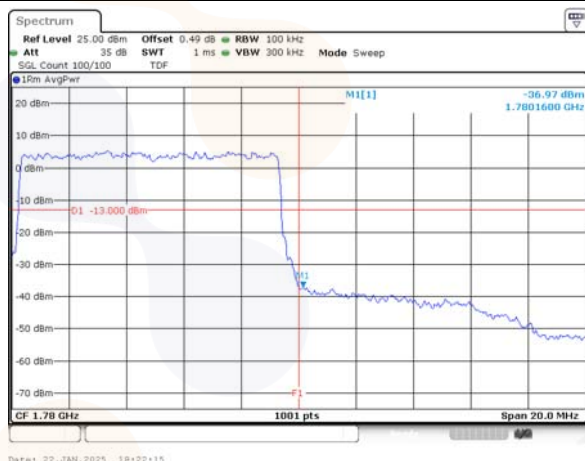
High channel 1RB



Low channel FRB

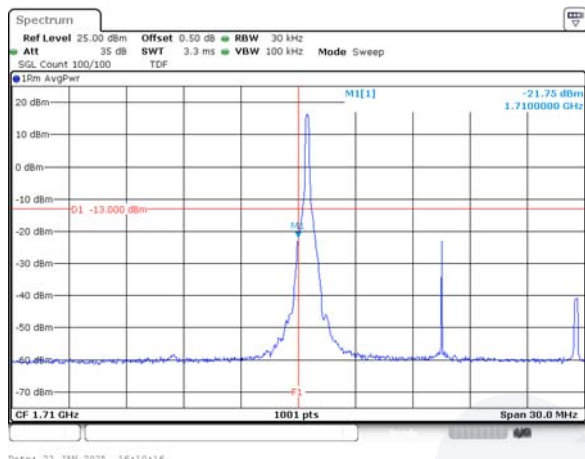


High channel FRB



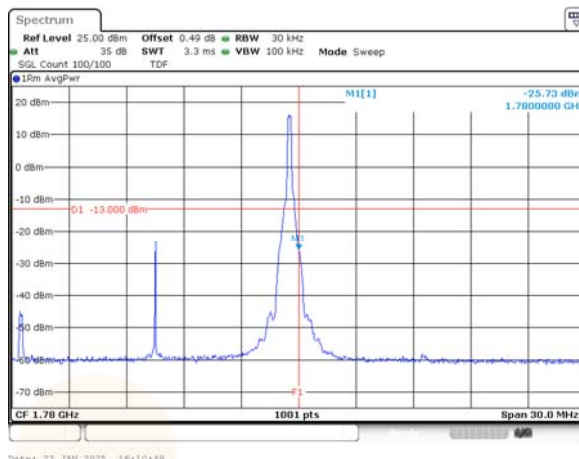
15M BW QPSK

Low channel 1RB



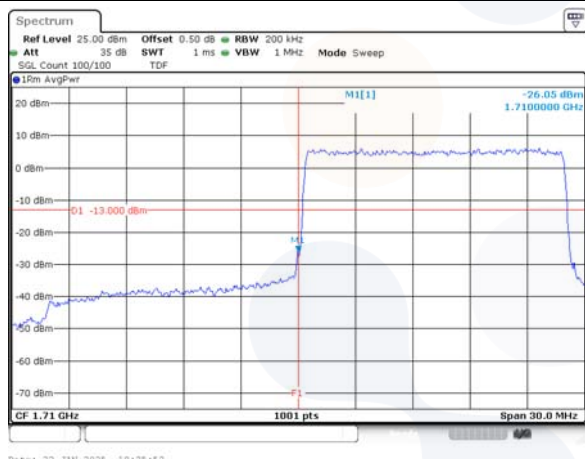
Date: 23.JAN.2025 16:10:16

High channel 1RB



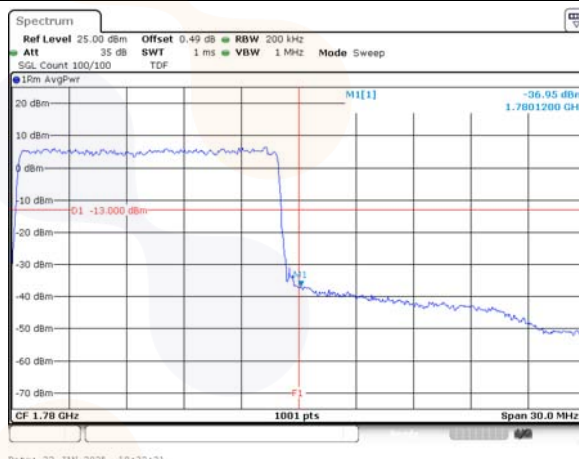
Date: 23.JAN.2025 16:10:49

Low channel FRB



Date: 22.JAN.2025 18:25:52

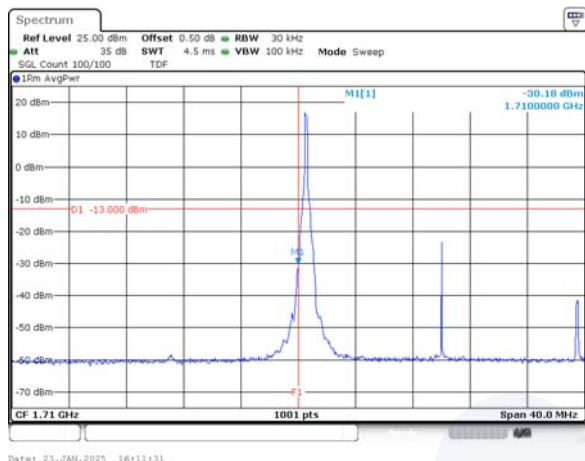
High channel FRB



Date: 22.JAN.2025 18:32:21

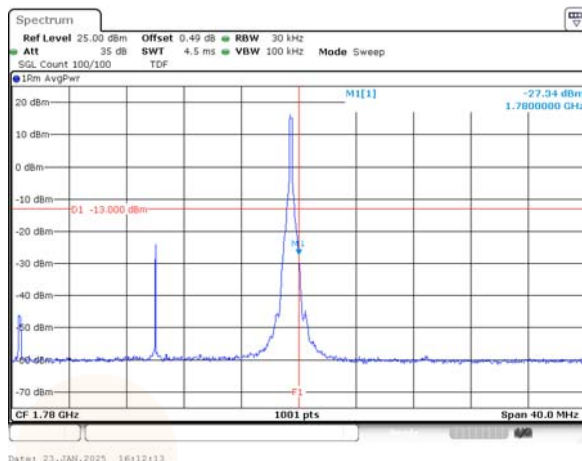
20M BW QPSK

Low channel 1RB



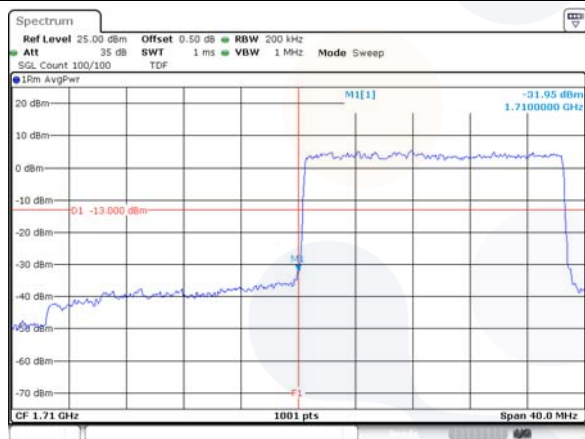
Date: 23.JAN.2025 16:11:31

High channel 1RB



Date: 23.JAN.2025 16:12:13

Low channel FRB



Date: 22.JAN.2025 18:36:05

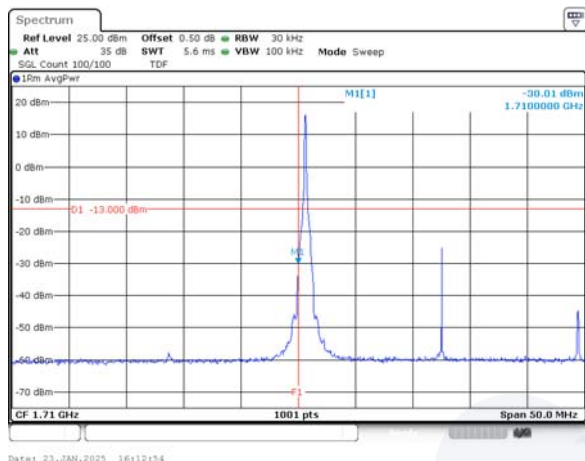
High channel FRB



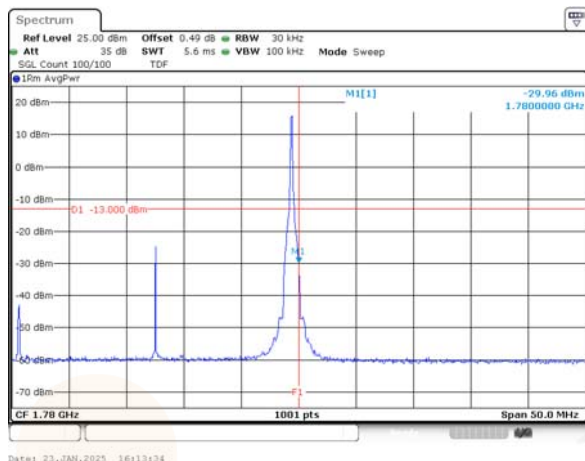
Date: 22.JAN.2025 18:42:36

25M BW QPSK

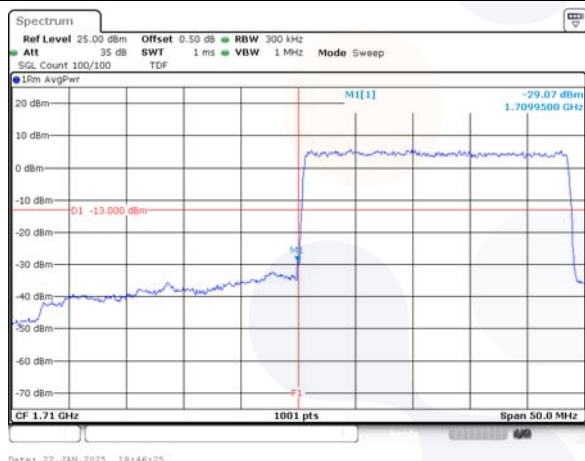
Low channel 1RB



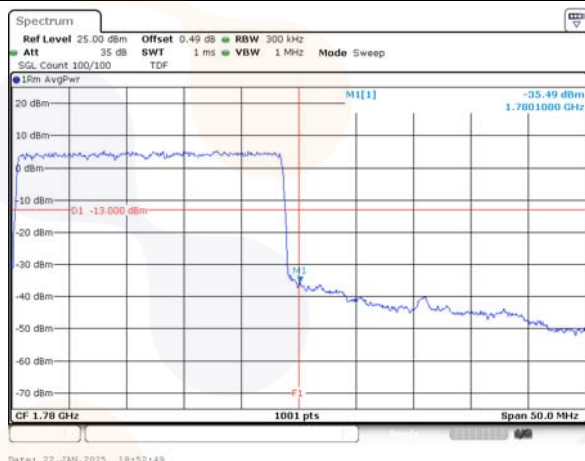
High channel 1RB



Low channel FRB

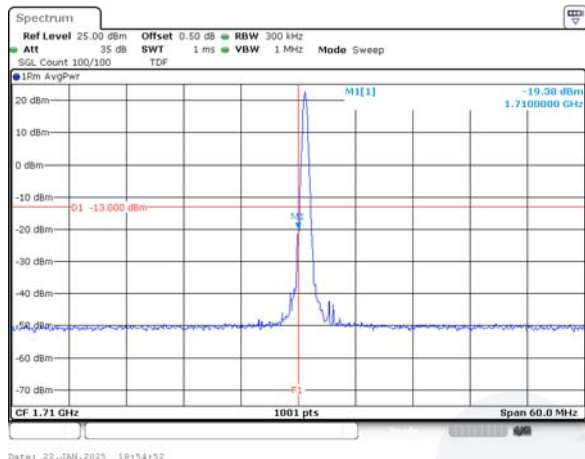


High channel FRB

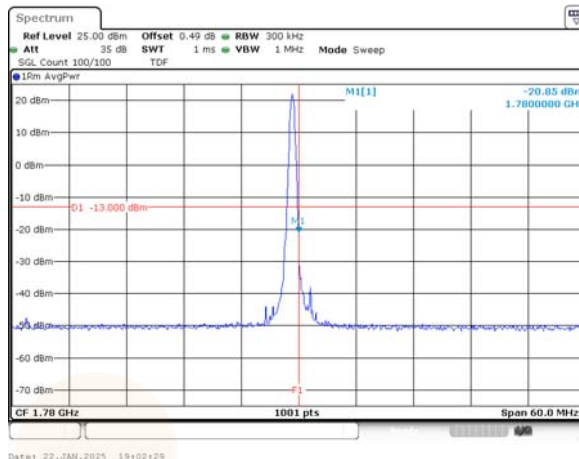


30M BW QPSK

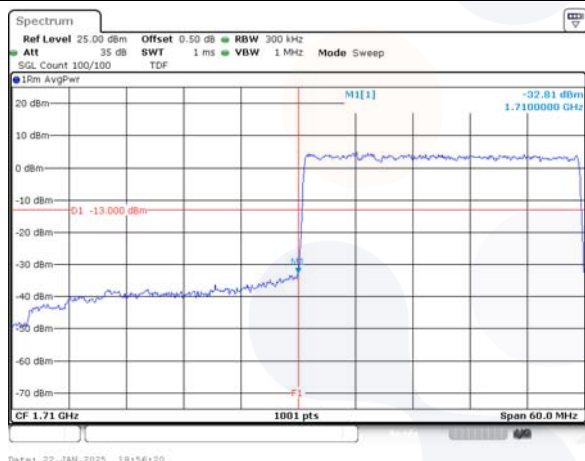
Low channel 1RB



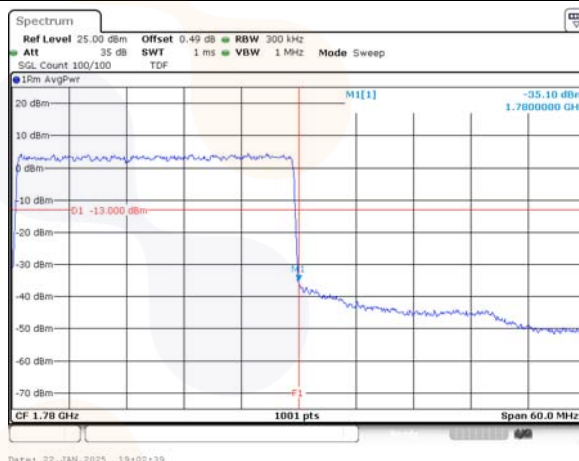
High channel 1RB



Low channel FRB

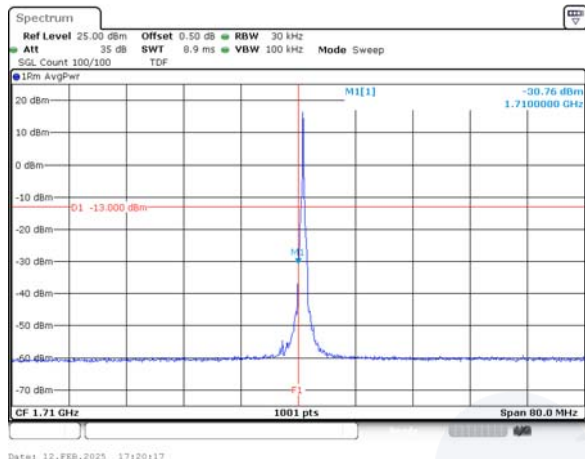


High channel FRB

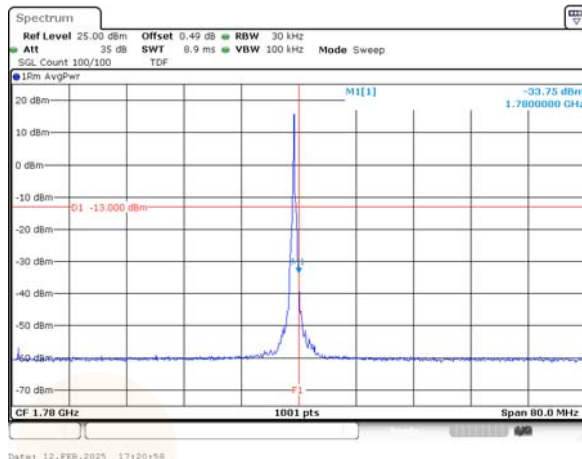


40M BW QPSK

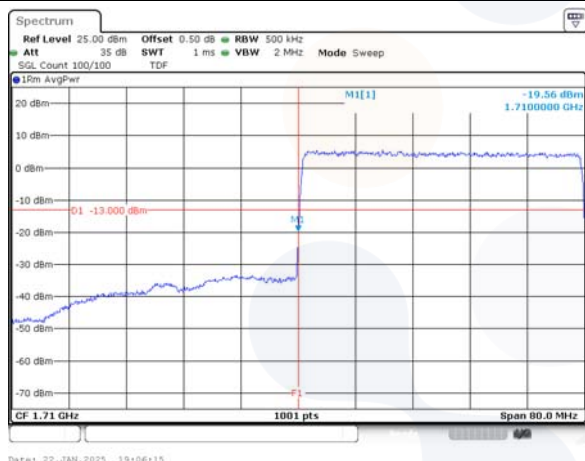
Low channel 1RB



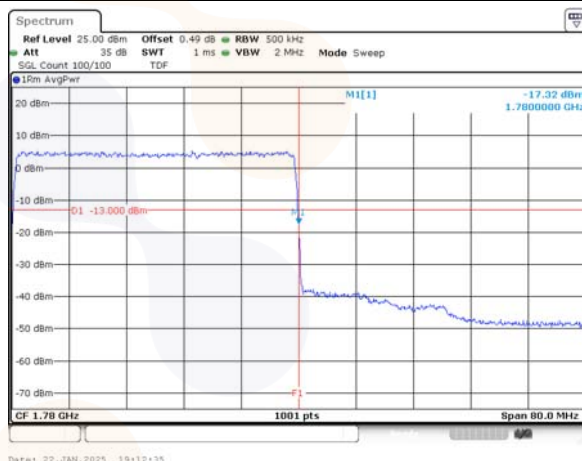
High channel 1RB



Low channel FRB



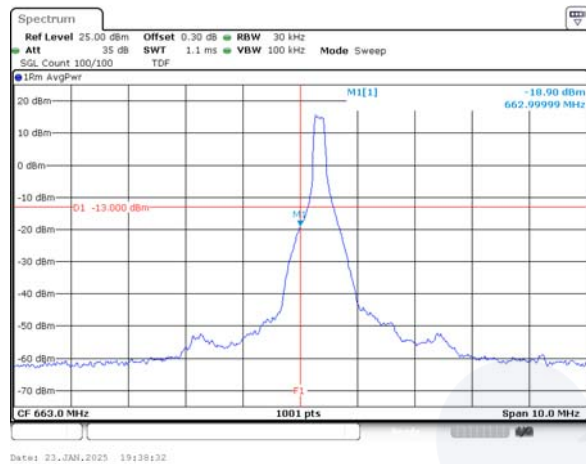
High channel FRB



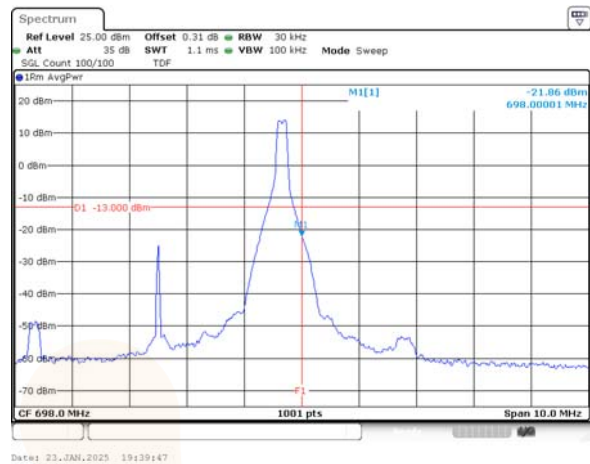
Test mode: 5G NR n71 DFT-s OFDM

5M BW QPSK

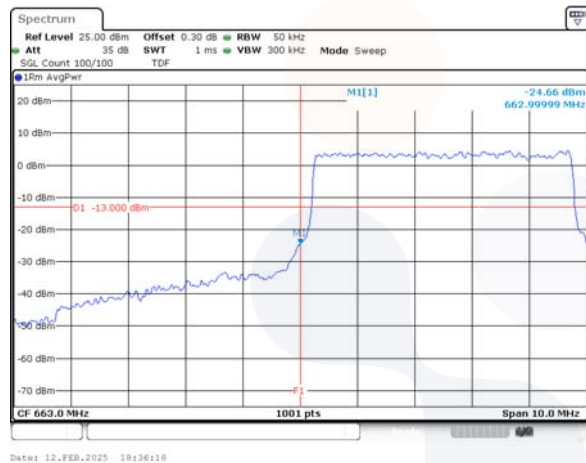
Low channel 1RB



High channel 1RB



Low channel FRB

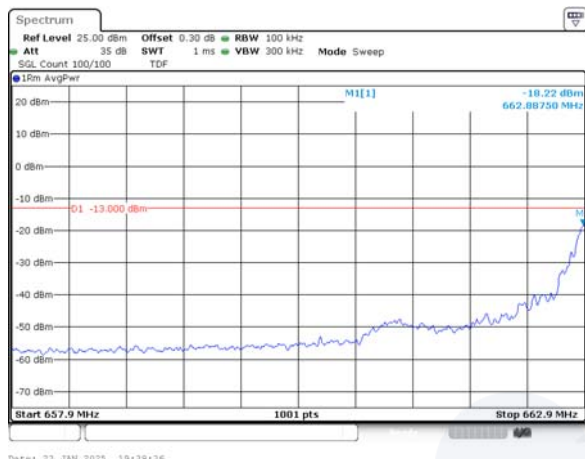


High channel FRB



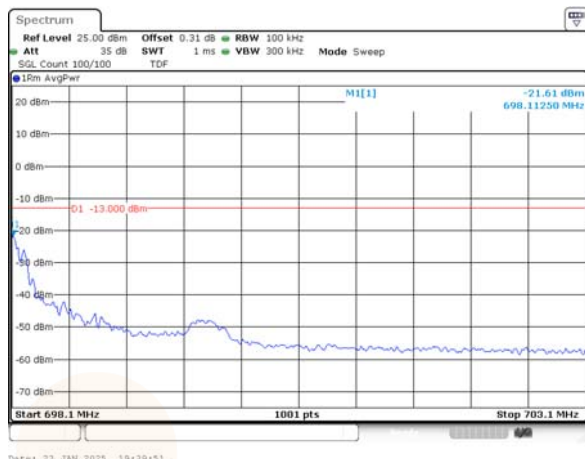
5M BW QPSK

Lower extended 1RB



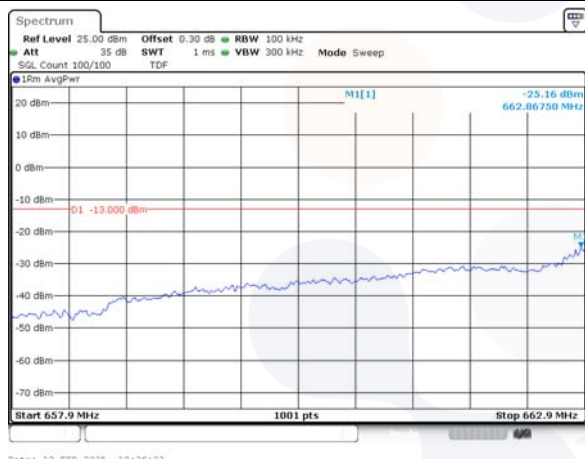
Date: 23.JAN.2025 19:38:136

Upper extended 1RB



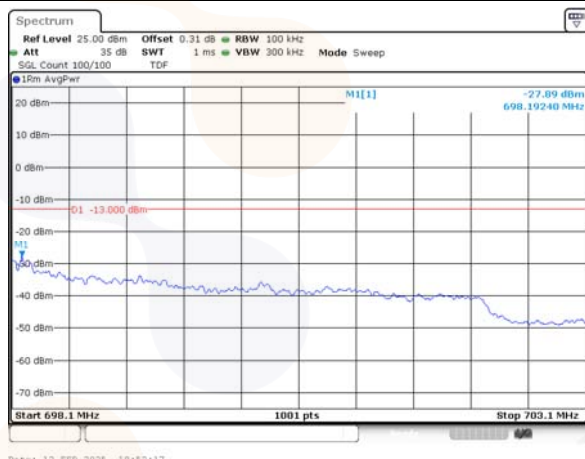
Date: 23.JAN.2025 19:39:151

Lower extended FRB



Date: 12.FEB.2025 18:36:123

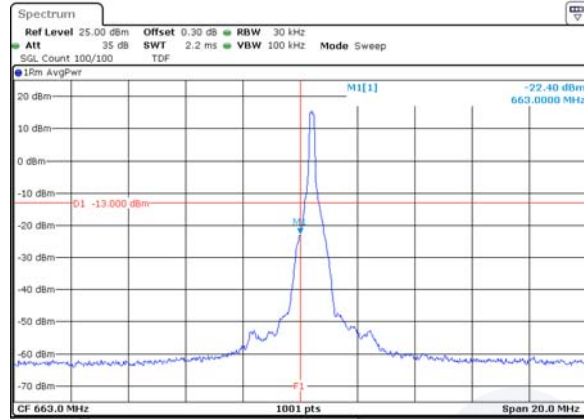
Upper extended FRB



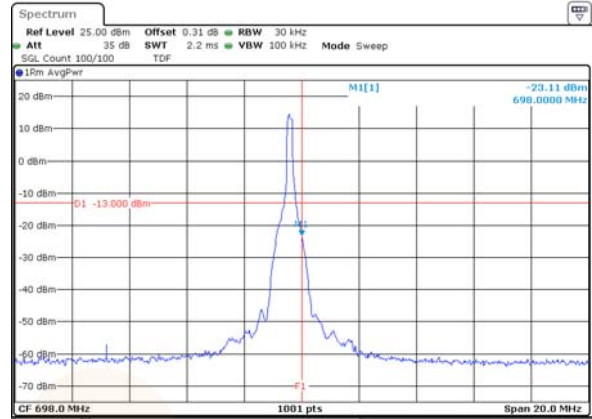
Date: 12.FEB.2025 18:52:117

10M BW QPSK

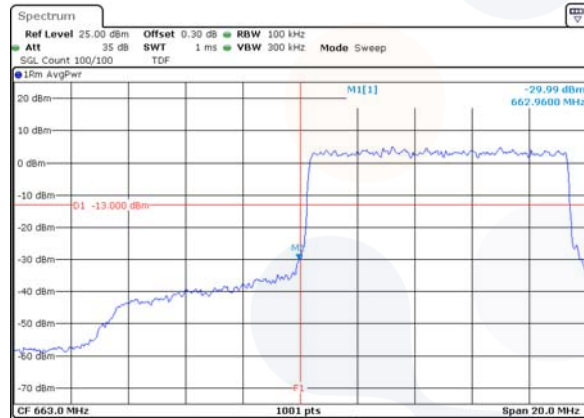
Low channel 1RB



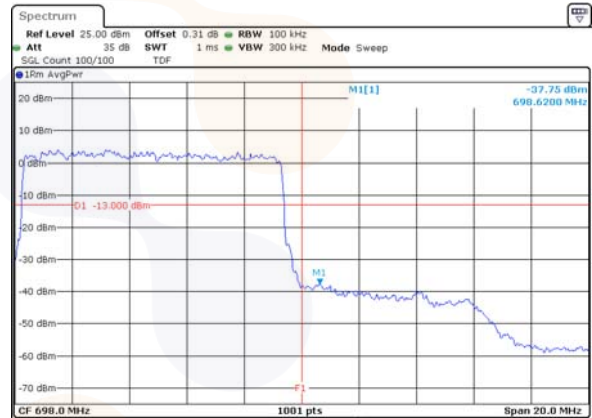
High channel 1RB



Low channel FRB

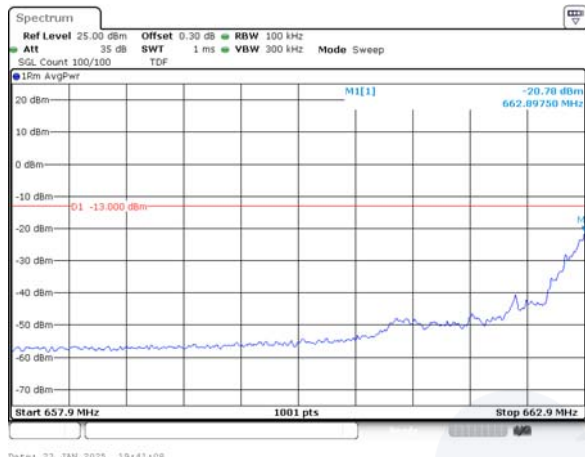


High channel FRB



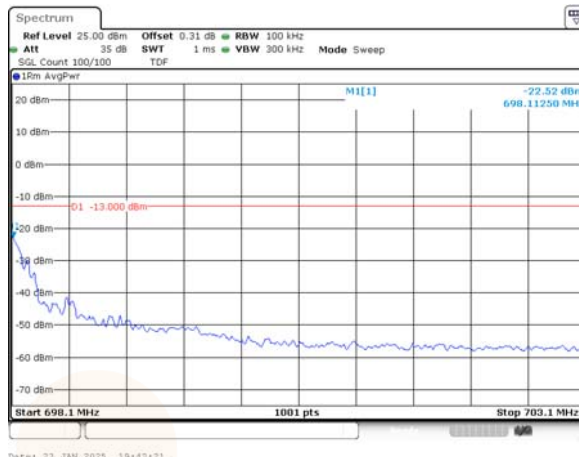
10M BW QPSK

Lower extended 1RB



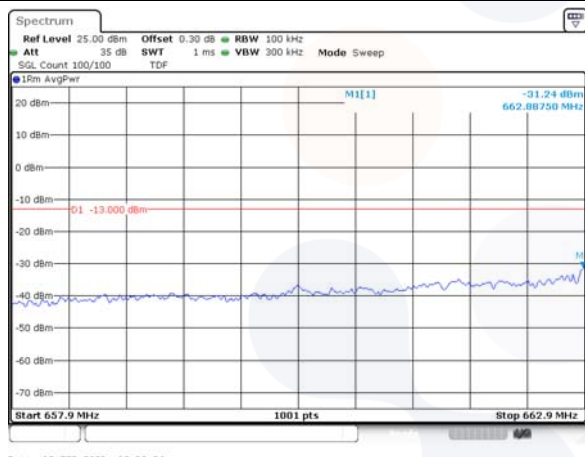
Date: 23.JAN.2025 19:41:08

Upper extended 1RB



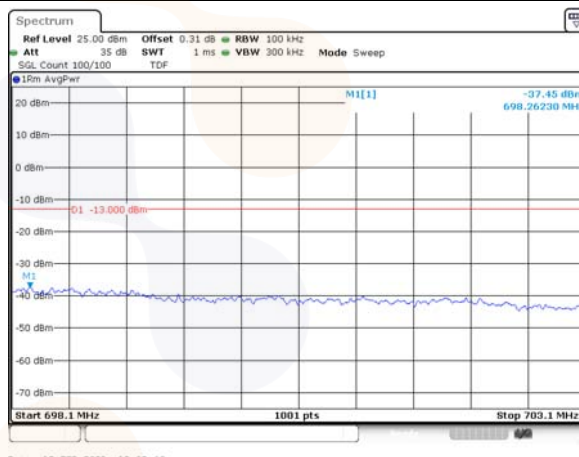
Date: 23.JAN.2025 19:42:21

Lower extended FRB



Date: 12.FEB.2025 19:53:34

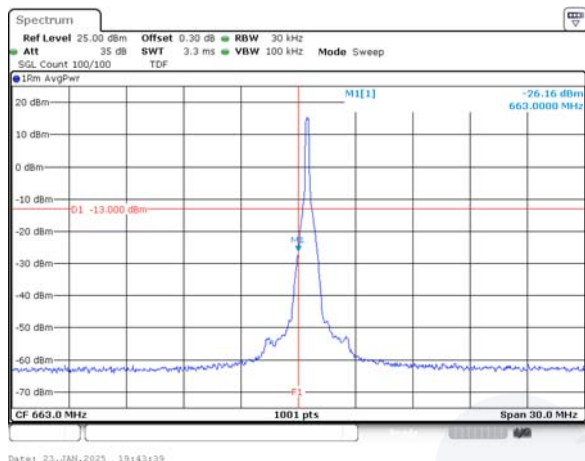
Upper extended FRB



Date: 12.FEB.2025 19:02:46

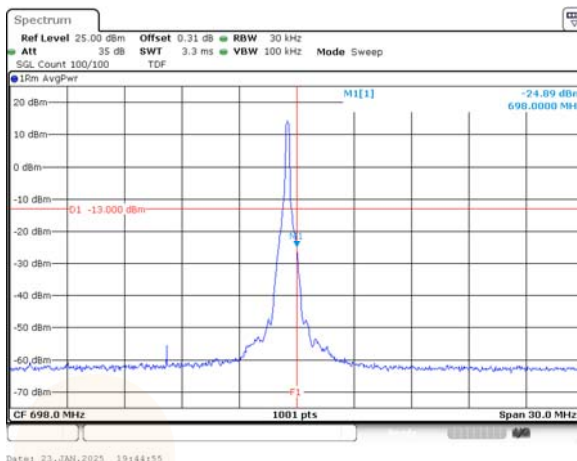
15M BW QPSK

Low channel 1RB



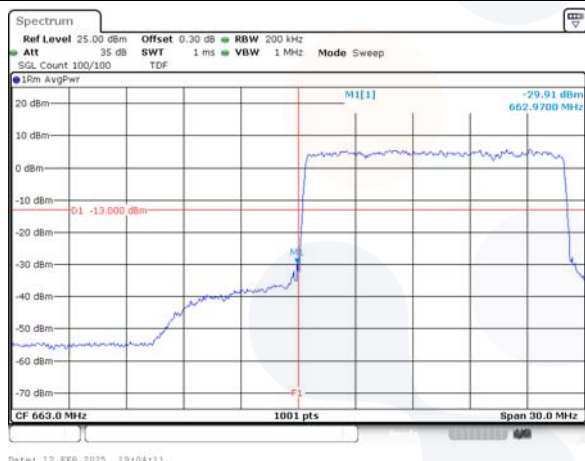
Date: 23.JAN.2025 19:43:39

High channel 1RB



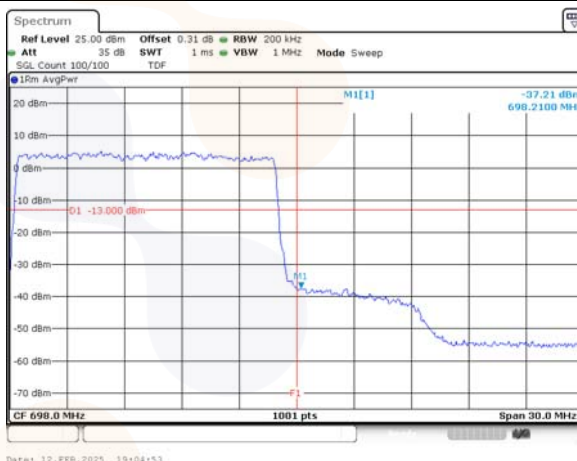
Date: 23.JAN.2025 19:44:55

Low channel FRB



Date: 12.FEB.2025 19:04:11

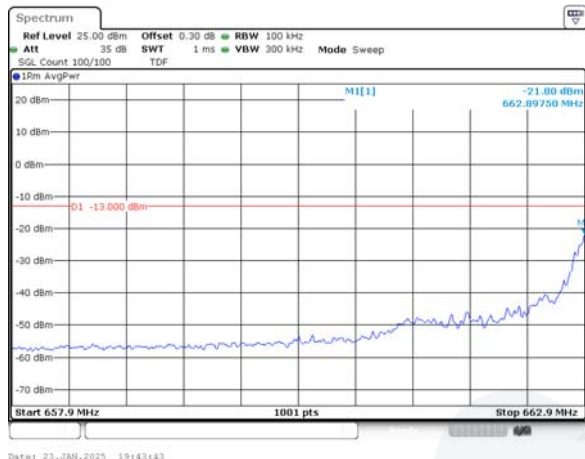
High channel FRB



Date: 12.FEB.2025 19:04:53

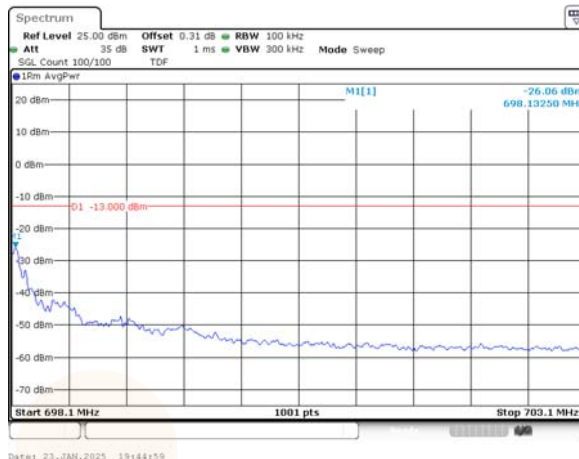
15M BW QPSK

Lower extended 1RB



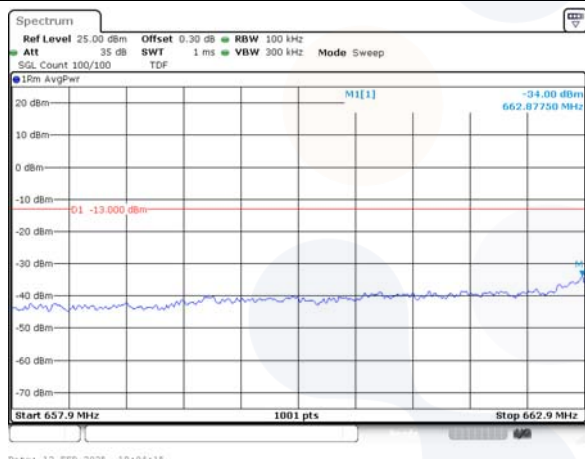
Date: 23.JAN.2025 19:43:43

Upper extended 1RB



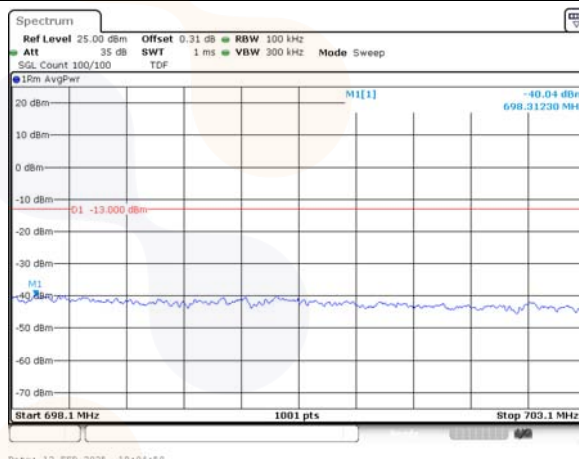
Date: 23.JAN.2025 19:44:59

Lower extended FRB



Date: 12.FEB.2025 19:04:15

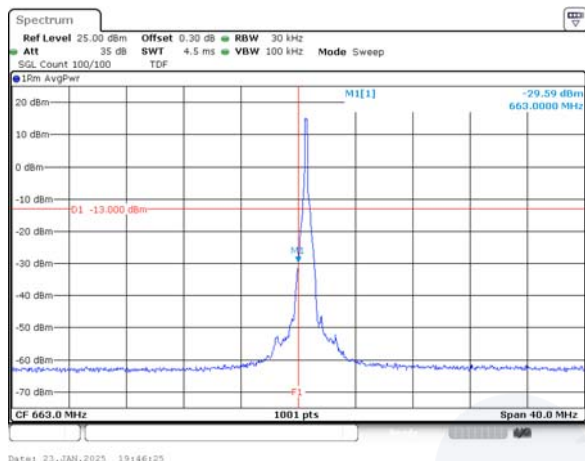
Upper extended FRB



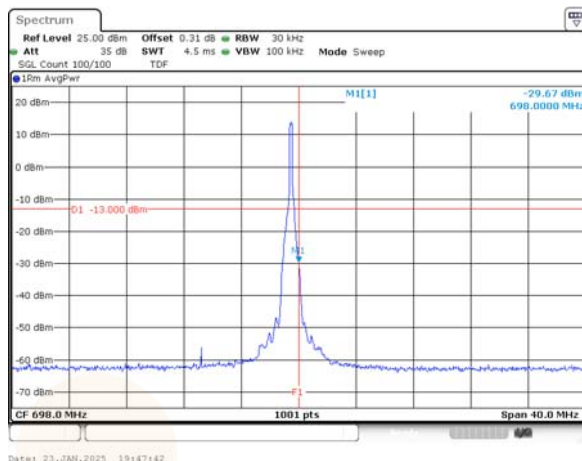
Date: 12.FEB.2025 19:04:58

20M BW QPSK

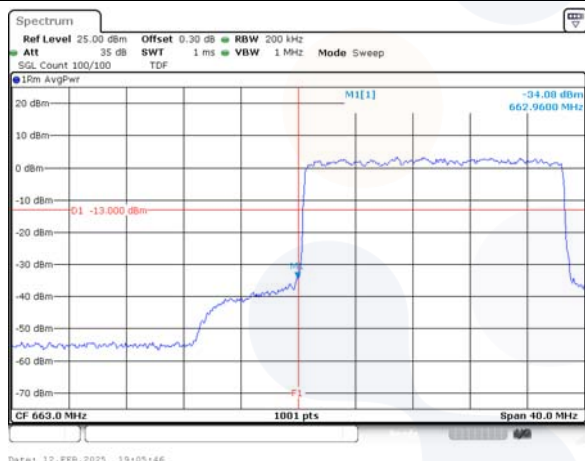
Low channel 1RB



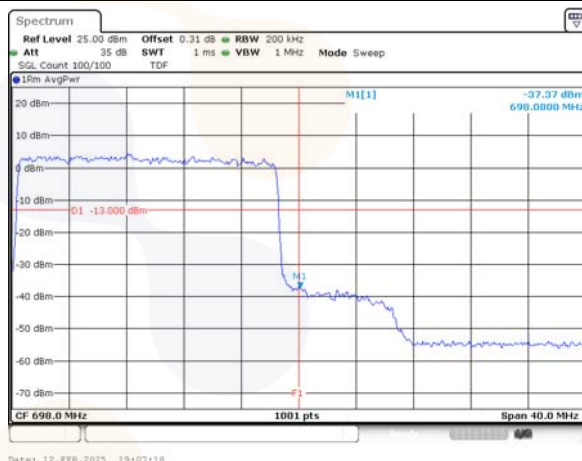
High channel 1RB



Low channel FRB

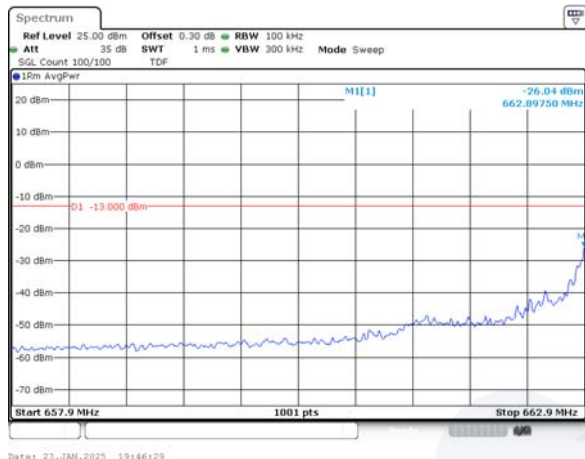


High channel FRB



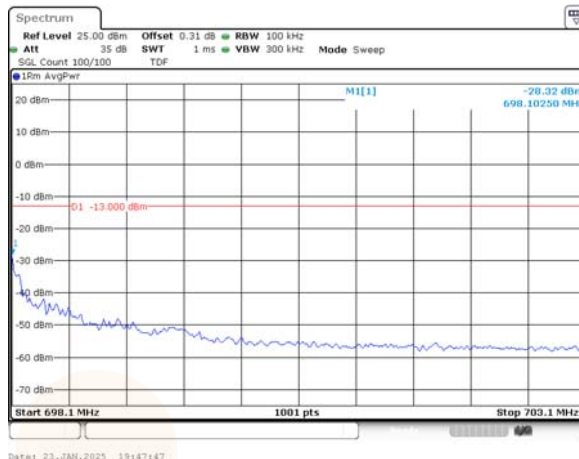
20M BW QPSK

Lower extended 1RB



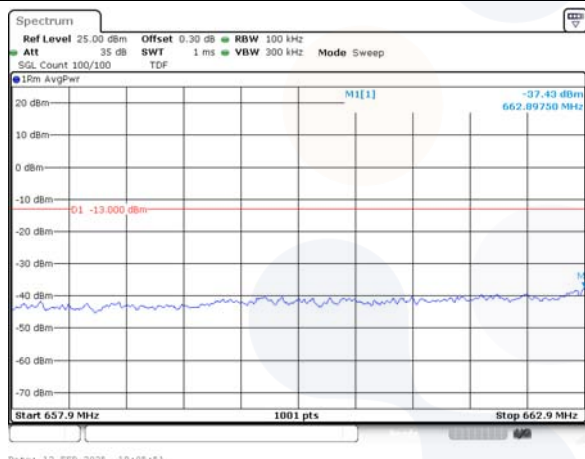
Date: 23.JAN.2025 19:46:29

Upper extended 1RB



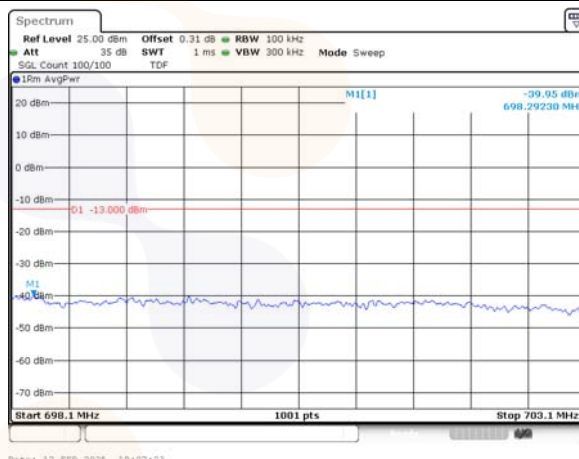
Date: 23.JAN.2025 19:47:47

Lower extended FRB



Date: 12.FEB.2025 19:05:51

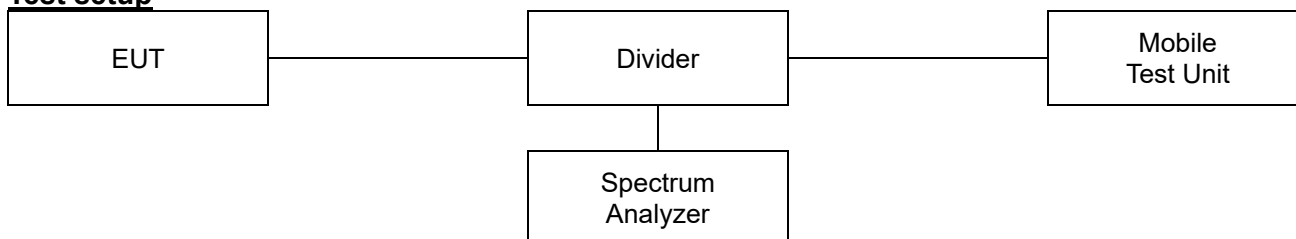
Upper extended FRB



Date: 12.FEB.2025 19:07:23

7.4. Spurious Emissions at Antenna Terminal

Test setup



Limit

According to §27.53(c)(2),

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;
- (6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment

According to §27.53(g),

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P_{\text{[Watts]}})$ dB.

According to §27.53(h),

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log (P_{\text{[Watts]}})$ dB.

Test procedure

971168 D01 v03r01 - Section 6
 ANSI 63.26-2015 – Section 5.7

Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-70-5008-1021 FAX: 82-505-299-8311 www.kctl.co.kr	Report No.: KR25-SRF0016 Page (109) of (170)	
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Test settings

- 1) Start frequency was set to 30 MHz and stop frequency was set to at least 10th the fundamental frequency.
- 2) Detector = RMS
- 3) Sweep time = auto couple.
- 4) Trace mode = trace average
- 5) Allow trace to fully stabilize.
- 6) Please see test notes below RBW and VBW settings.

Notes:

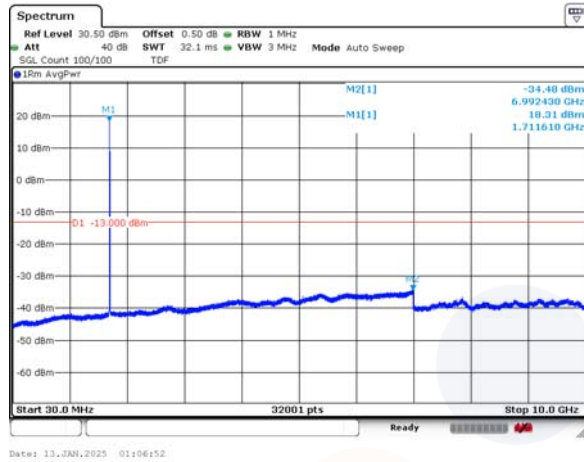
1. Per 27.53(c), 27.53(g), 27.53(h)(3), compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz.
The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
2. All modes of operation were investigated and the worst-case configuration results are reported.

Test results

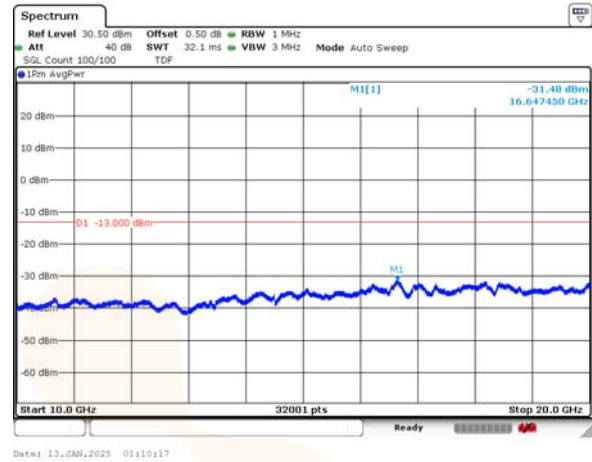
Test mode: WCDMA 1700

RMC

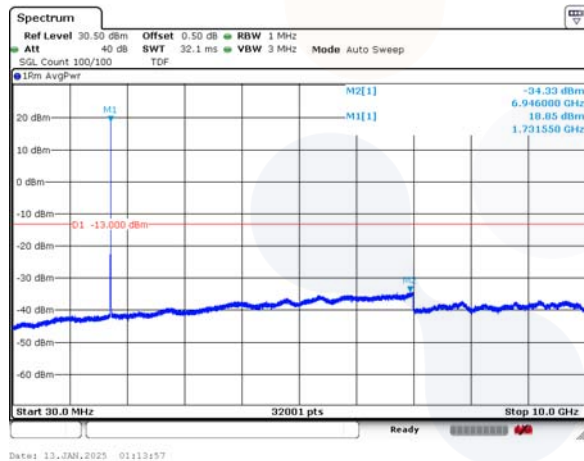
Low channel (30 MHz ~ 10 GHz)



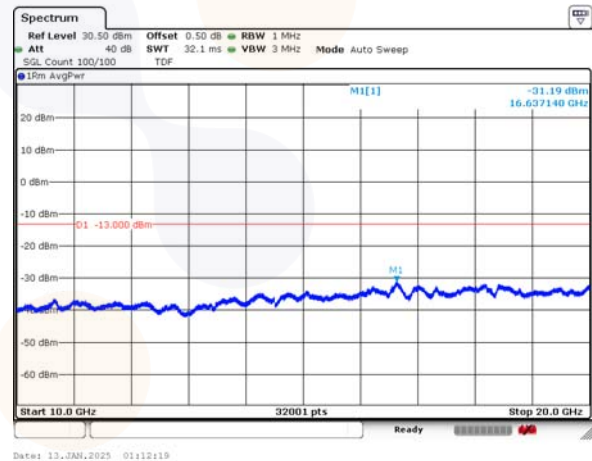
Low channel (10 GHz ~ 20 GHz)



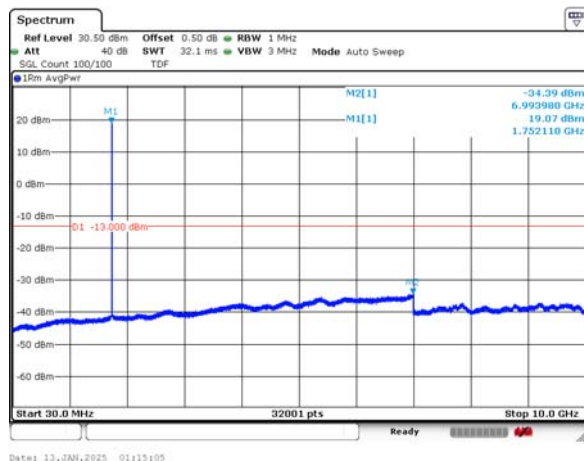
Middle channel (30 MHz ~ 10 GHz)



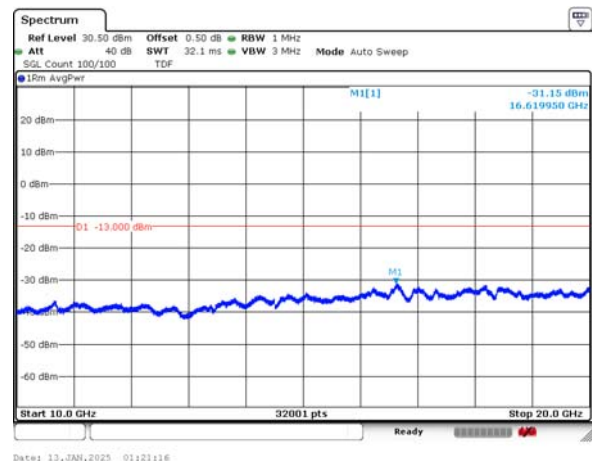
Middle channel (10 GHz ~ 20 GHz)



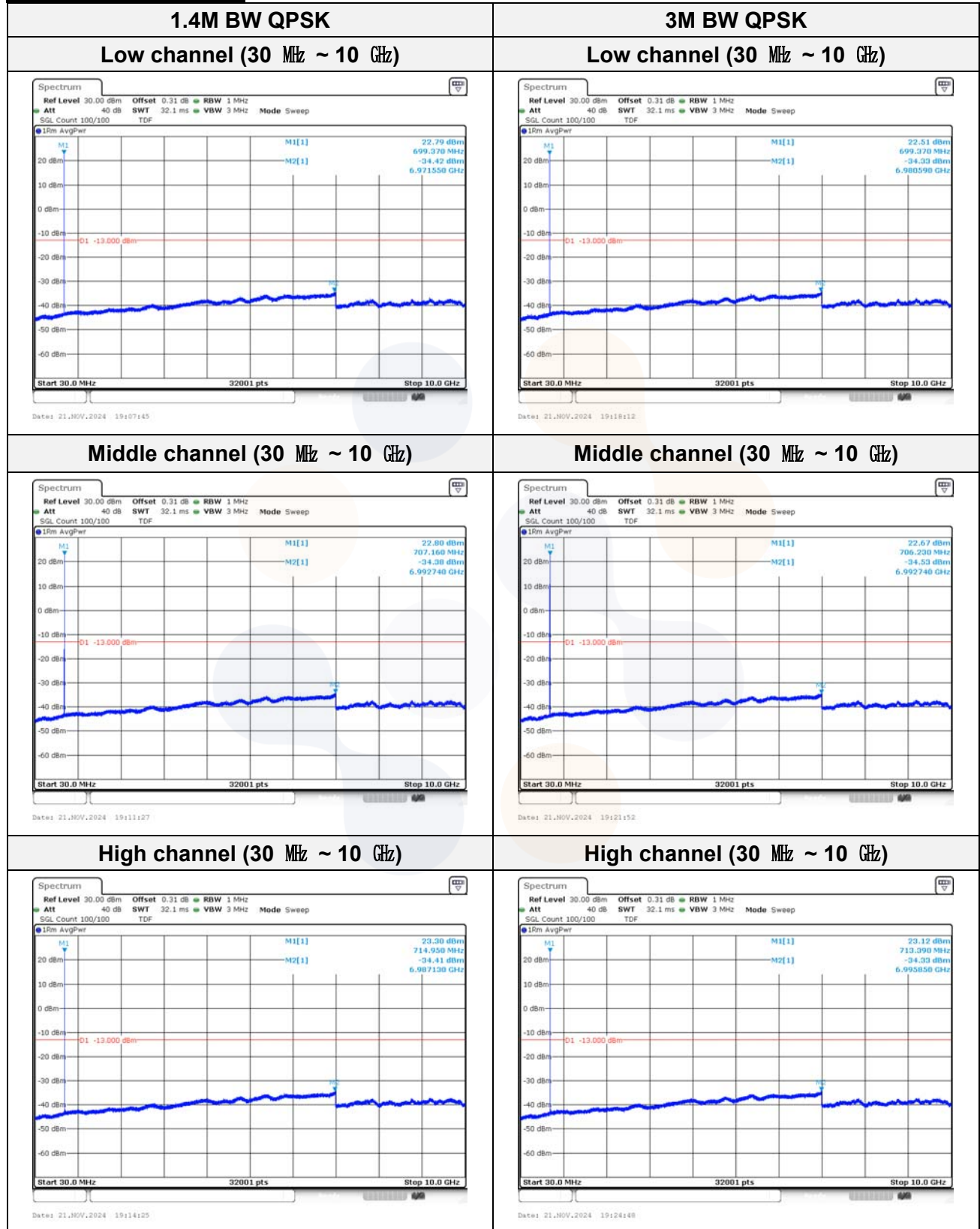
High channel (30 MHz ~ 10 GHz)



High channel (10 GHz ~ 20 GHz)

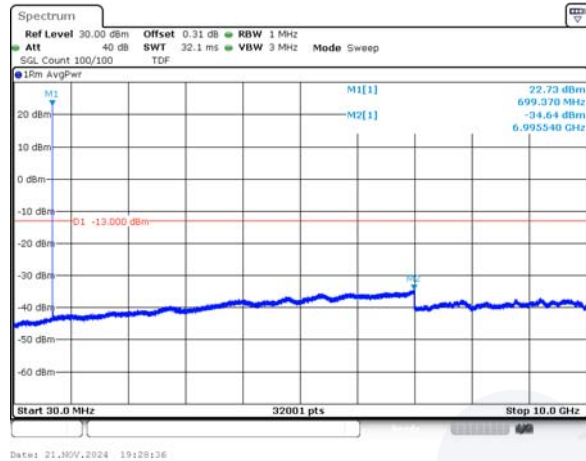


Test mode: LTE B12/17



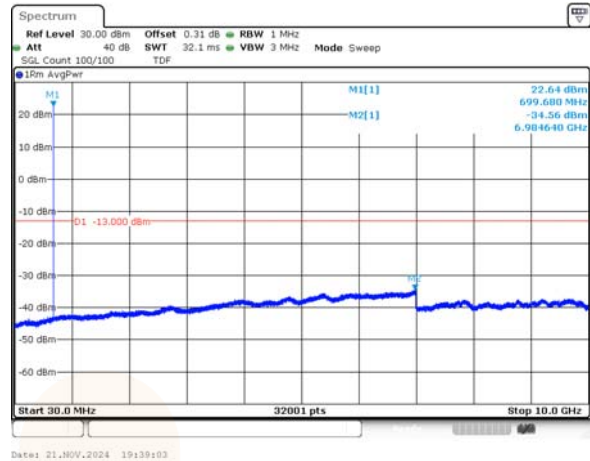
5M BW QPSK

Low channel (30 MHz ~ 10 GHz)

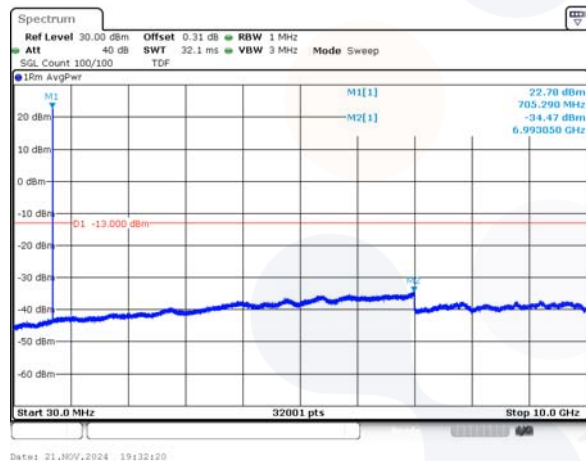


10M BW QPSK

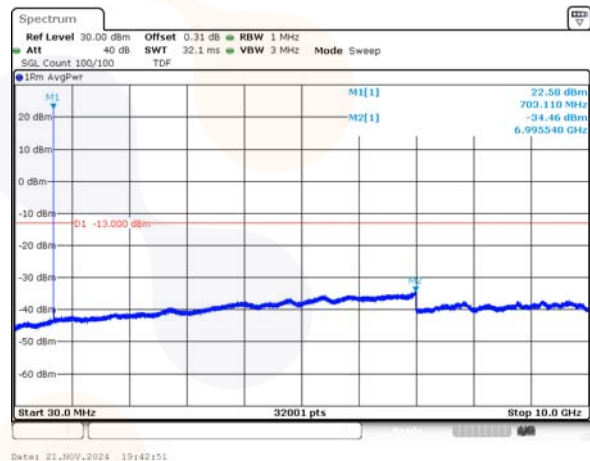
Low channel (30 MHz ~ 10 GHz)



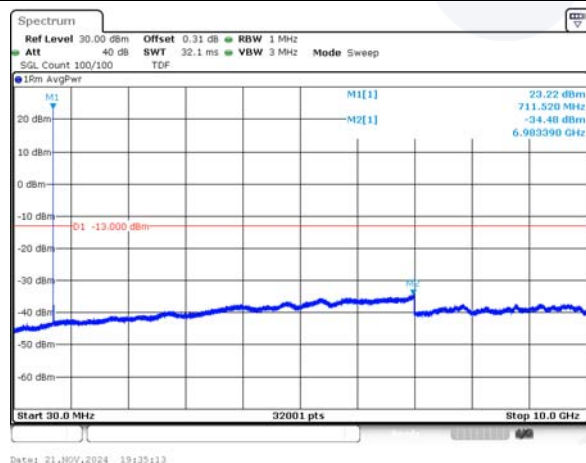
Middle channel (30 MHz ~ 10 GHz)



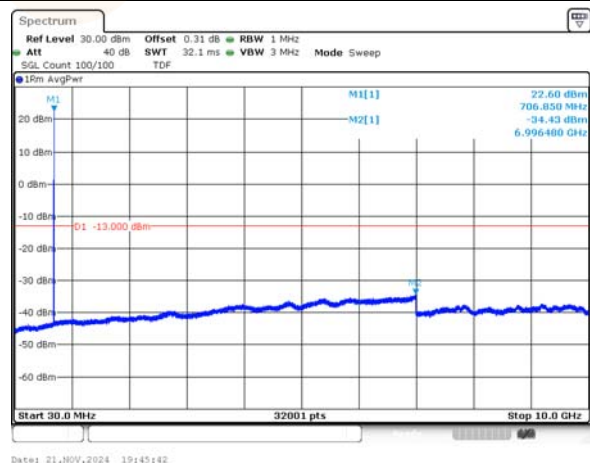
Middle channel (30 MHz ~ 10 GHz)



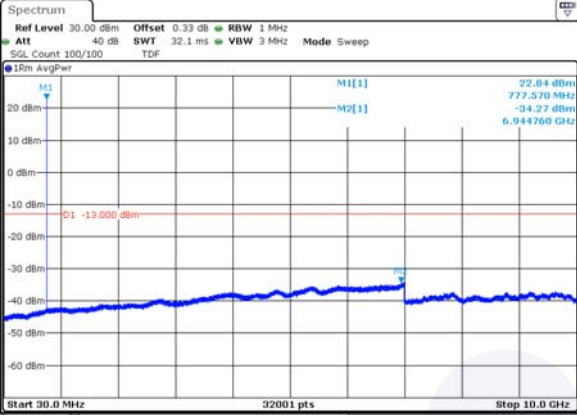
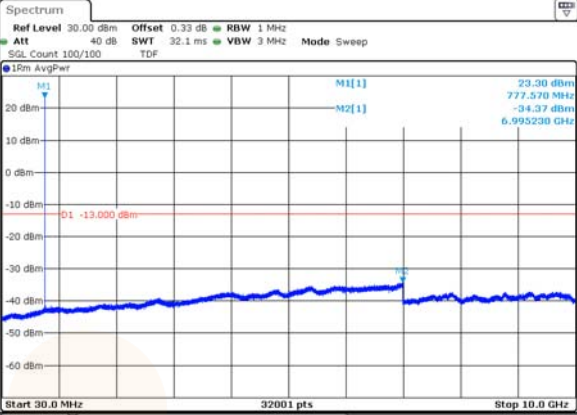
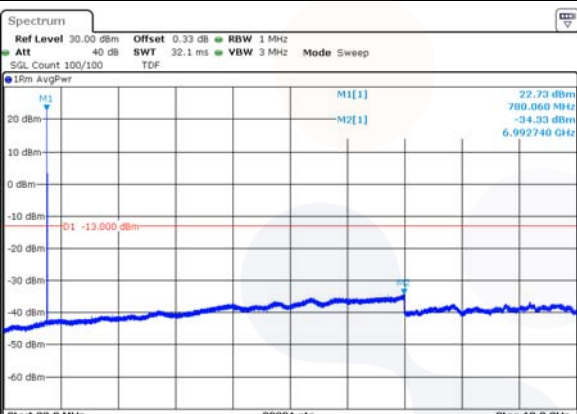
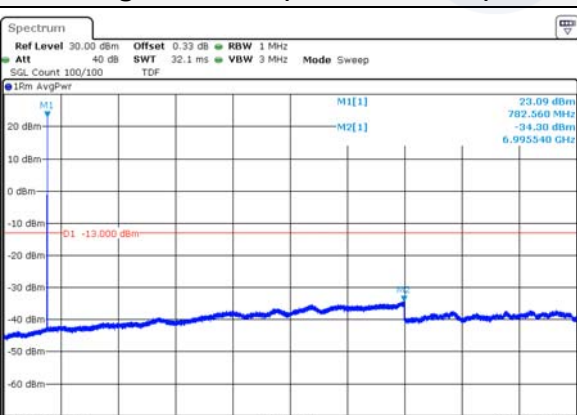
High channel (30 MHz ~ 10 GHz)



High channel (30 MHz ~ 10 GHz)



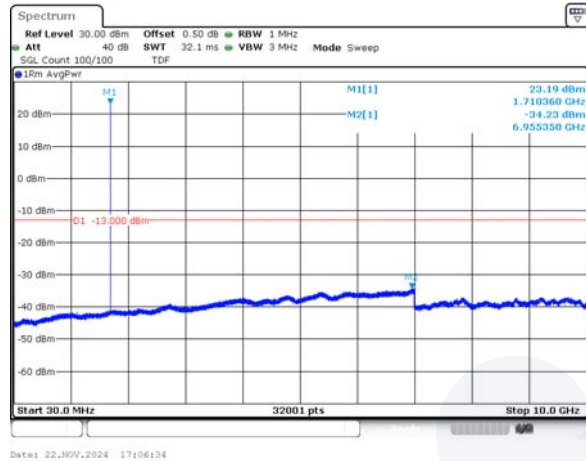
Test mode: LTE B13

5M BW QPSK	10M BW QPSK
Low channel (30 MHz ~ 10 GHz)	Middle channel (30 MHz ~ 10 GHz)
 Ref Level 30.00 dBm Offset 0.33 dB RBW 1 MHz Att 40 dB SWT 32.1 ms VBW 3 MHz Mode Sweep SQL Count 100/100 TDF M1 22.84 dBm M2 777.570 MHz M3 6.944760 GHz -13.000 dBm -34.27 dBm Start 30.0 MHz 32001 pts Stop 10.0 GHz Date: 11.DEC.2024 12:01:53	 Ref Level 30.00 dBm Offset 0.33 dB RBW 1 MHz Att 40 dB SWT 32.1 ms VBW 3 MHz Mode Sweep SQL Count 100/100 TDF M1 23.30 dBm M2 777.570 MHz M3 6.995230 GHz -13.000 dBm -34.37 dBm Start 30.0 MHz 32001 pts Stop 10.0 GHz Date: 11.DEC.2024 12:24:45
Middle channel (30 MHz ~ 10 GHz)	-
 Ref Level 30.00 dBm Offset 0.33 dB RBW 1 MHz Att 40 dB SWT 32.1 ms VBW 3 MHz Mode Sweep SQL Count 100/100 TDF M1 22.73 dBm M2 780.060 MHz M3 6.992740 GHz -13.000 dBm -34.33 dBm Start 30.0 MHz 32001 pts Stop 10.0 GHz Date: 11.DEC.2024 12:12:23	Blank
High channel (30 MHz ~ 10 GHz)	-
 Ref Level 30.00 dBm Offset 0.33 dB RBW 1 MHz Att 40 dB SWT 32.1 ms VBW 3 MHz Mode Sweep SQL Count 100/100 TDF M1 23.09 dBm M2 782.560 MHz M3 6.995540 GHz -13.000 dBm -34.30 dBm Start 30.0 MHz 32001 pts Stop 10.0 GHz Date: 11.DEC.2024 12:14:10	Blank

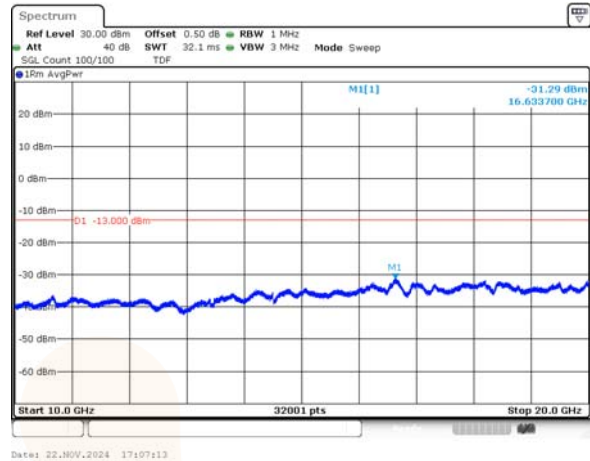
Test mode: LTE B66/4

1.4M BW QPSK

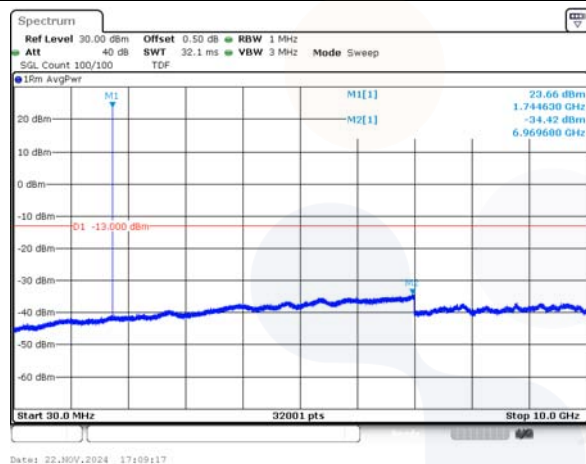
Low channel (30 MHz ~ 10 GHz)



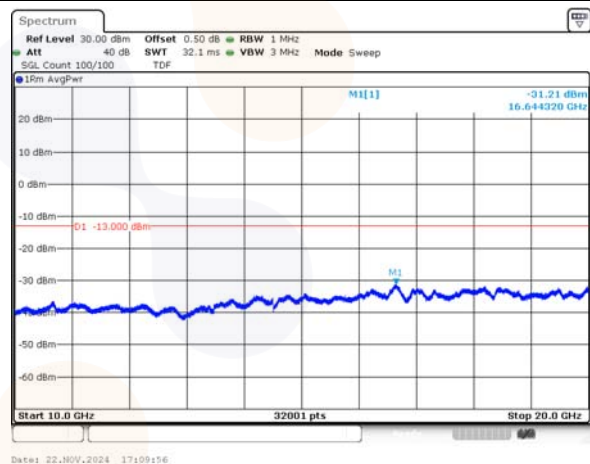
Low channel (10 GHz ~ 20 GHz)



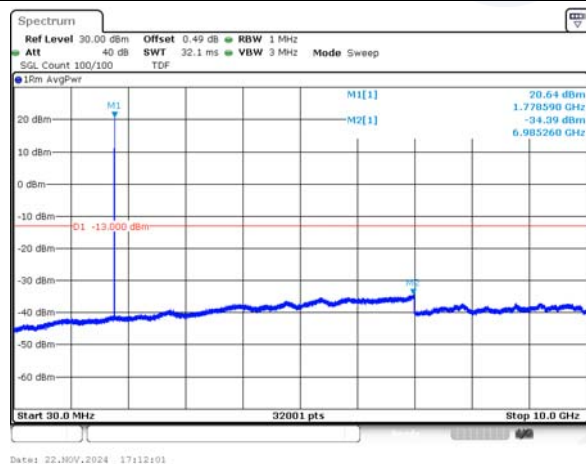
Middle channel (30 MHz ~ 10 GHz)



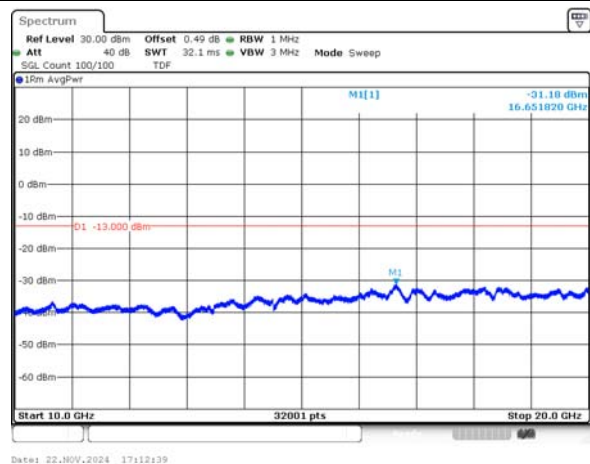
Middle channel (10 GHz ~ 20 GHz)



High channel (30 MHz ~ 10 GHz)

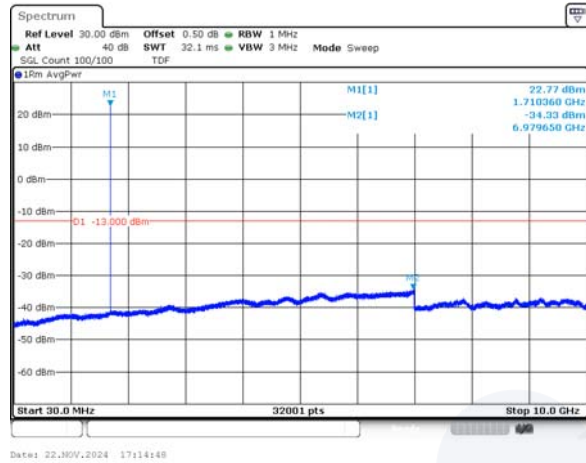


High channel (10 GHz ~ 20 GHz)

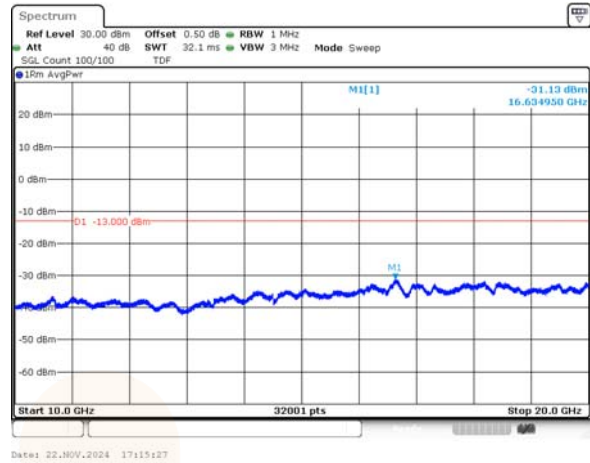


3M BW QPSK

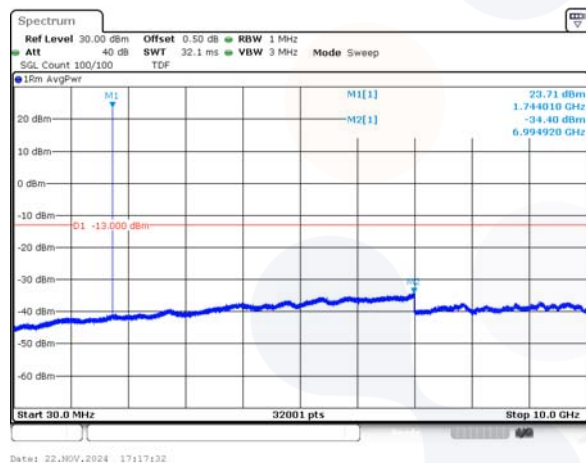
Low channel (30 MHz ~ 10 GHz)



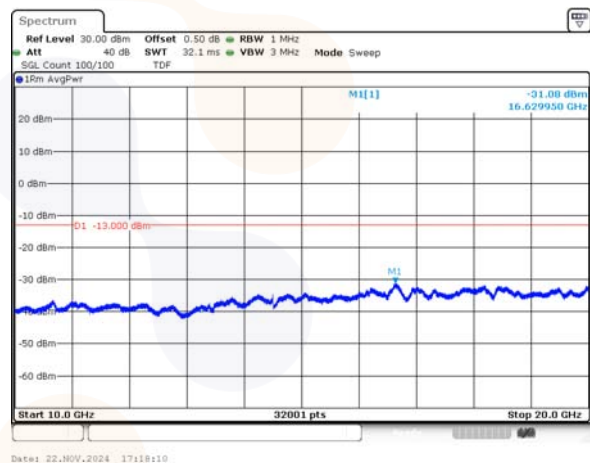
Low channel (10 GHz ~ 20 GHz)



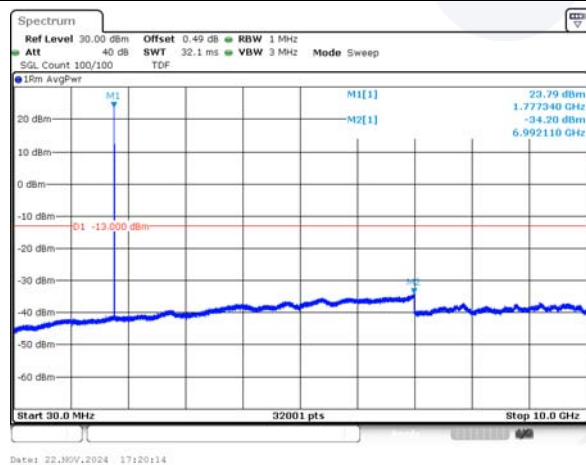
Middle channel (30 MHz ~ 10 GHz)



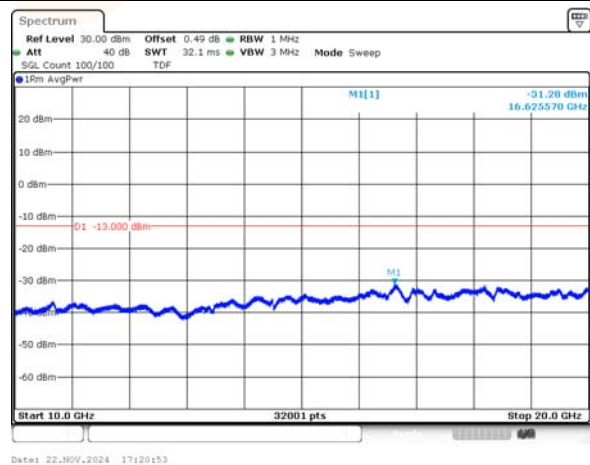
Middle channel (10 GHz ~ 20 GHz)



High channel (30 MHz ~ 10 GHz)

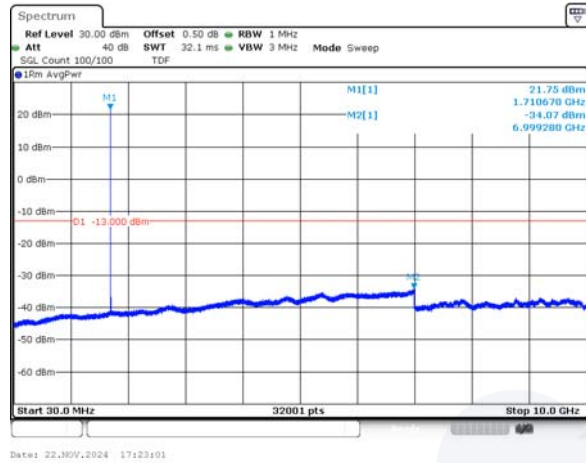


High channel (10 GHz ~ 20 GHz)

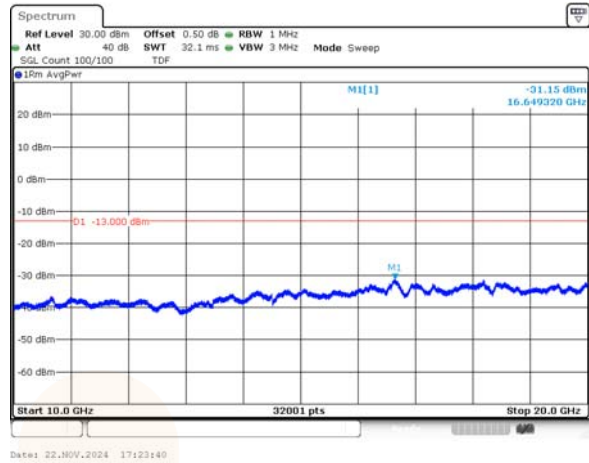


5M BW QPSK

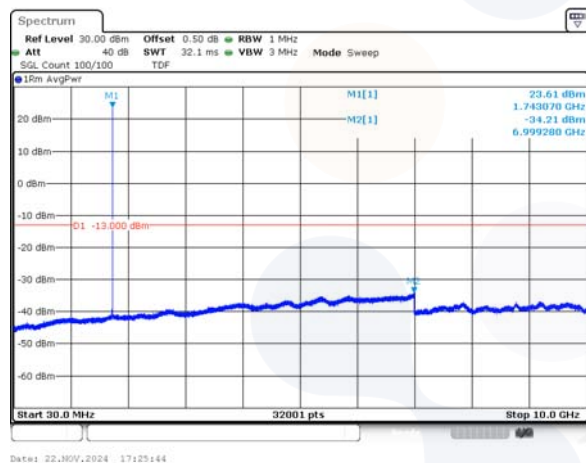
Low channel (30 MHz ~ 10 GHz)



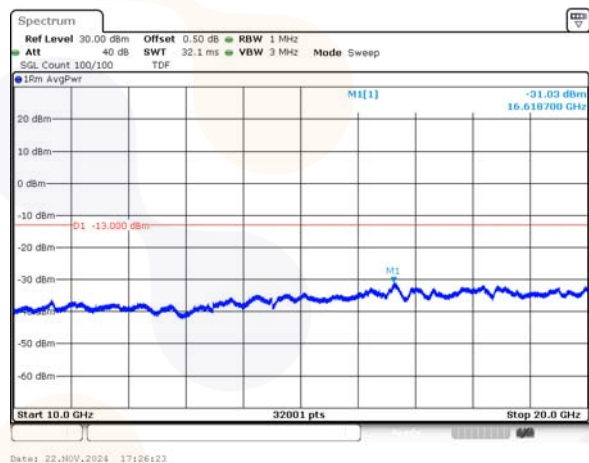
Low channel (10 GHz ~ 20 GHz)



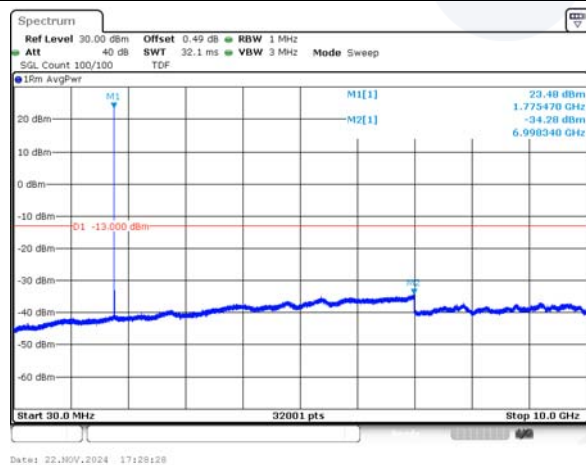
Middle channel (30 MHz ~ 10 GHz)



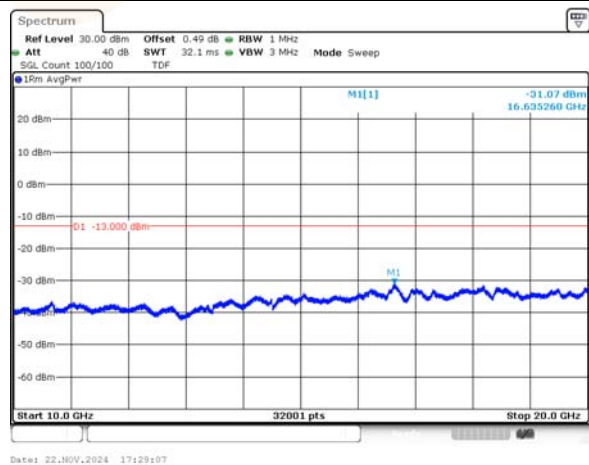
Middle channel (10 GHz ~ 20 GHz)



High channel (30 MHz ~ 10 GHz)

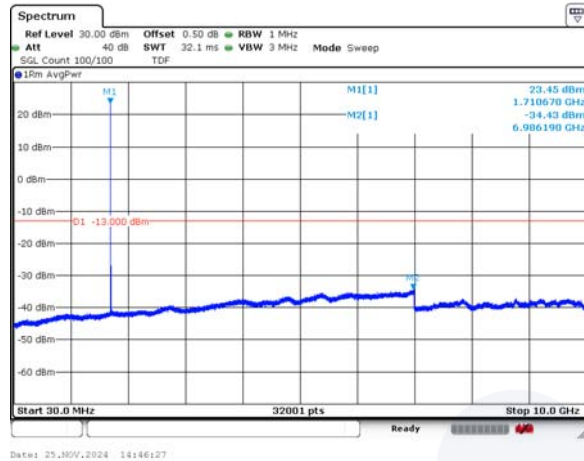


High channel (10 GHz ~ 20 GHz)

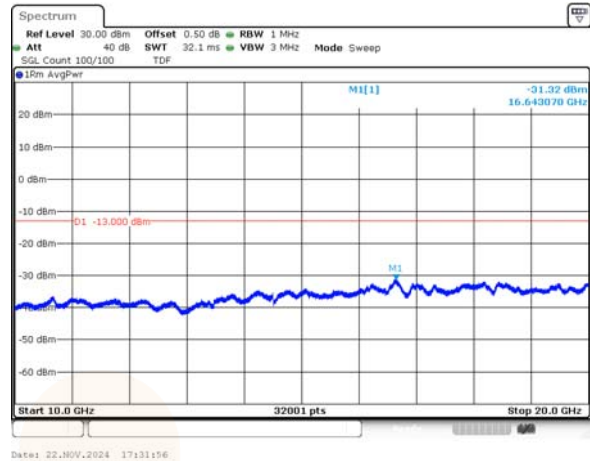


10M BW QPSK

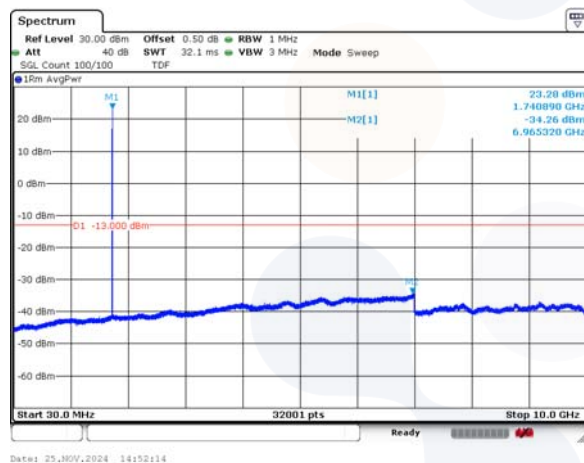
Low channel (30 MHz ~ 10 GHz)



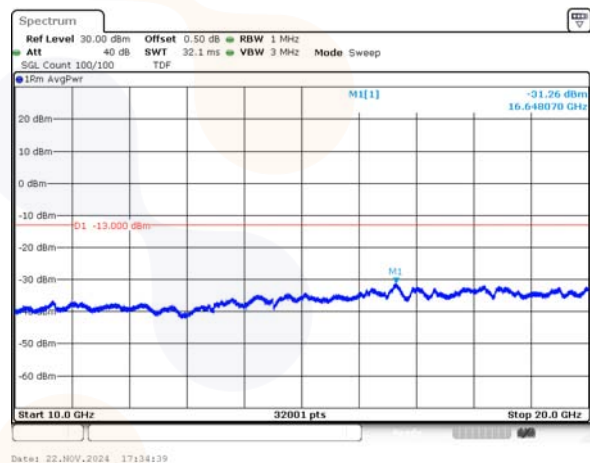
Low channel (10 GHz ~ 20 GHz)



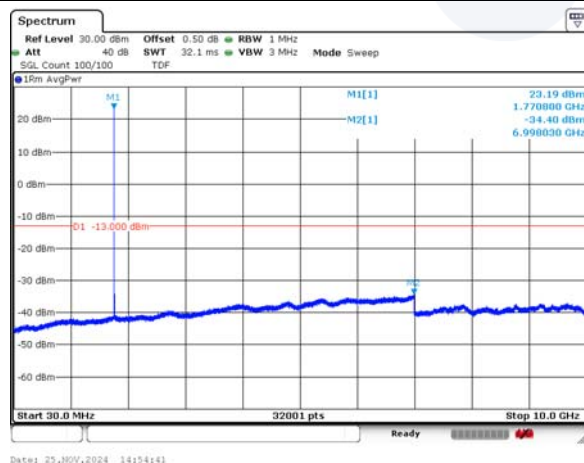
Middle channel (30 MHz ~ 10 GHz)



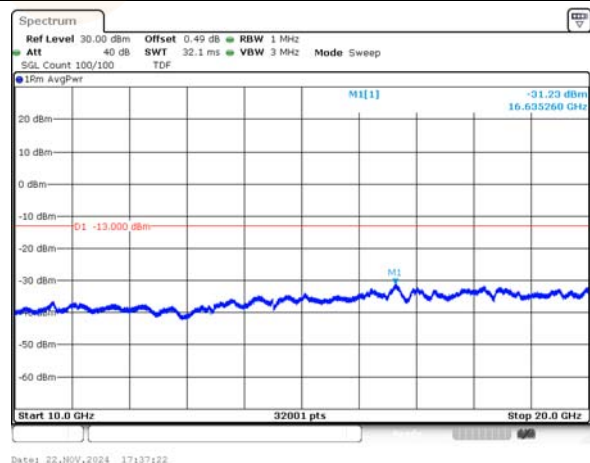
Middle channel (10 GHz ~ 20 GHz)



High channel (30 MHz ~ 10 GHz)

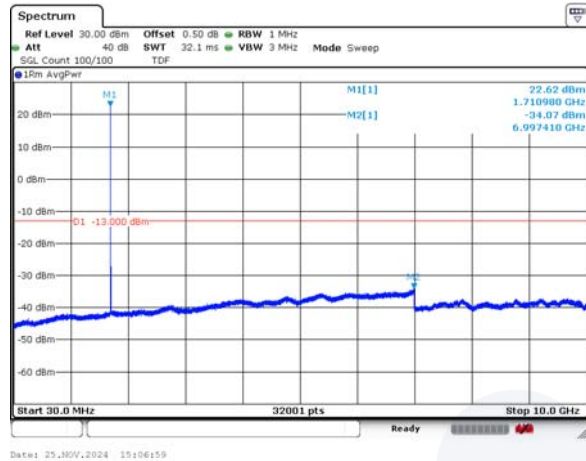


High channel (10 GHz ~ 20 GHz)

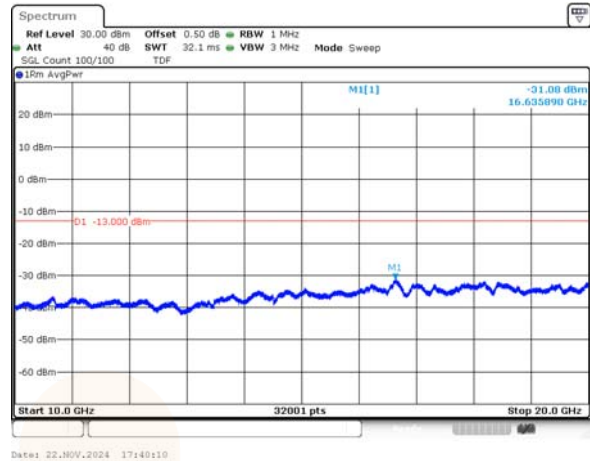


15M BW QPSK

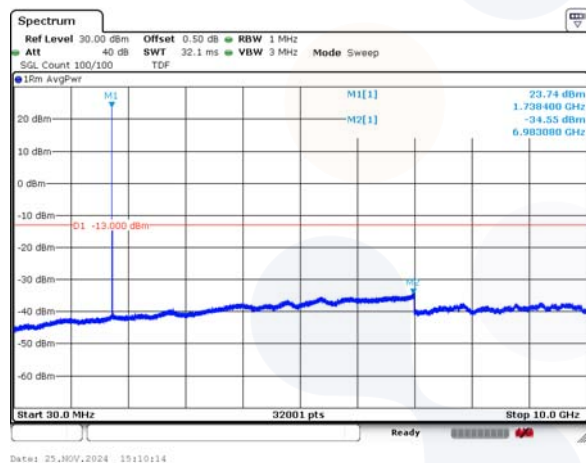
Low channel (30 MHz ~ 10 GHz)



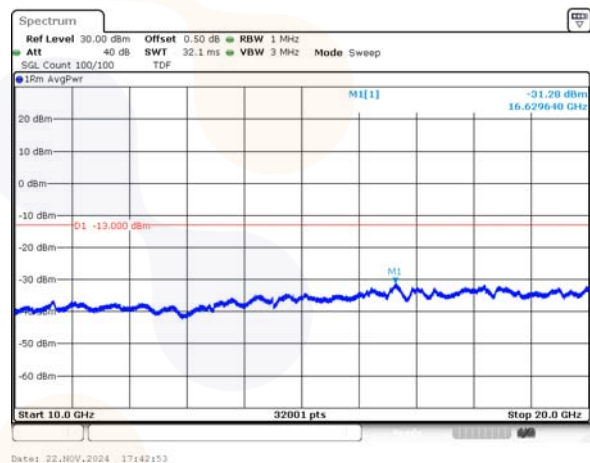
Low channel (10 GHz ~ 20 GHz)



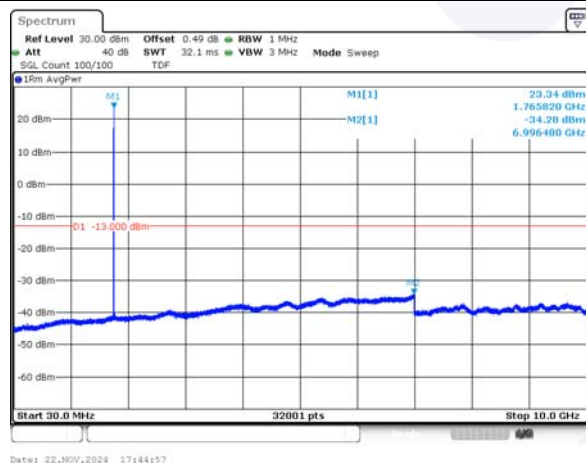
Middle channel (30 MHz ~ 10 GHz)



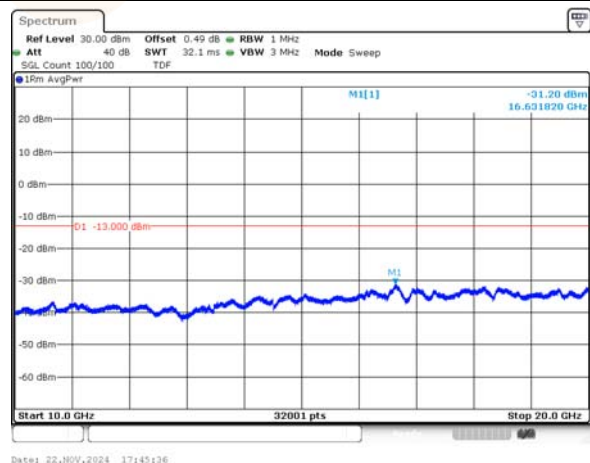
Middle channel (10 GHz ~ 20 GHz)



High channel (30 MHz ~ 10 GHz)

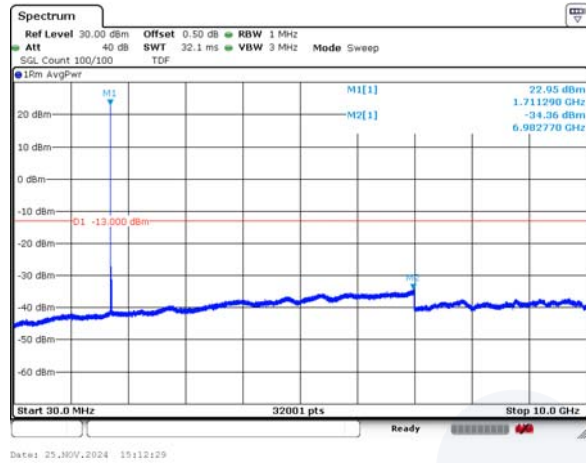


High channel (10 GHz ~ 20 GHz)



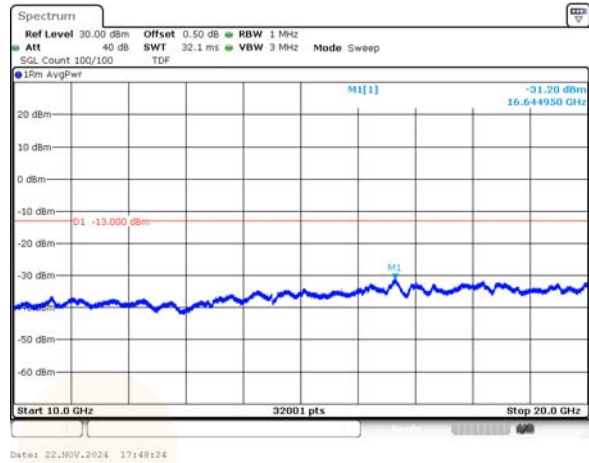
20M BW QPSK

Low channel (30 MHz ~ 10 GHz)



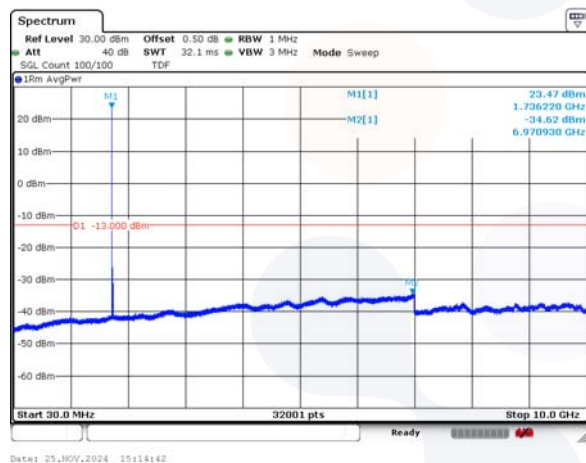
Date: 25.NOV.2024 15:12:29

Low channel (10 GHz ~ 20 GHz)



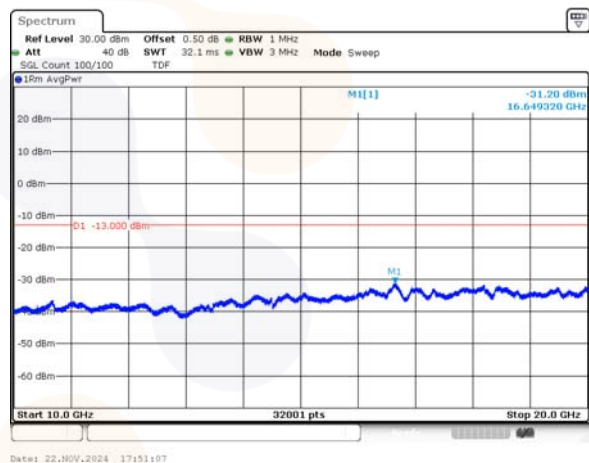
Date: 22.NOV.2024 17:48:24

Middle channel (30 MHz ~ 10 GHz)



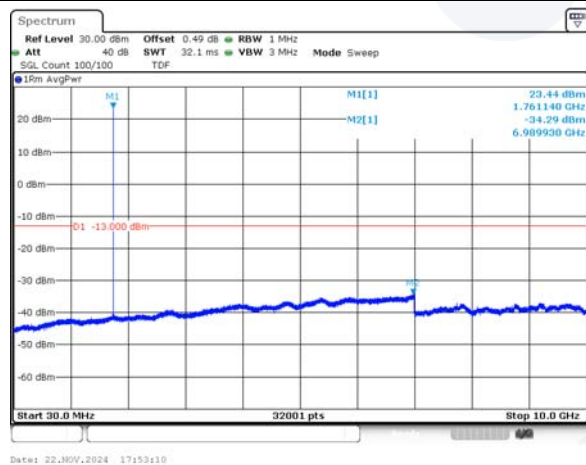
Date: 25.NOV.2024 15:14:42

Middle channel (10 GHz ~ 20 GHz)



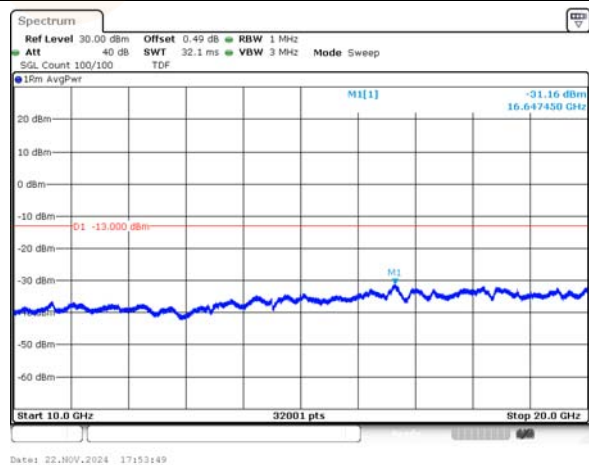
Date: 22.NOV.2024 17:51:07

High channel (30 MHz ~ 10 GHz)



Date: 22.NOV.2024 17:53:10

High channel (10 GHz ~ 20 GHz)



Date: 22.NOV.2024 17:53:49