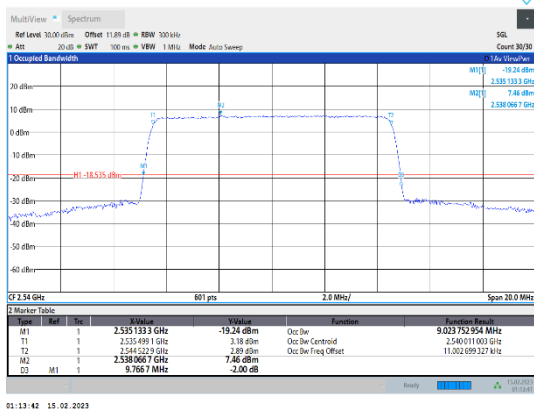
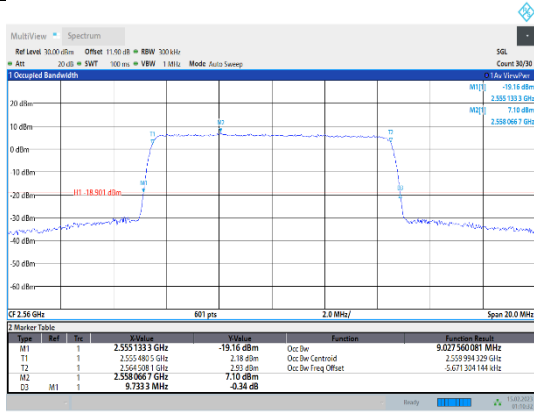




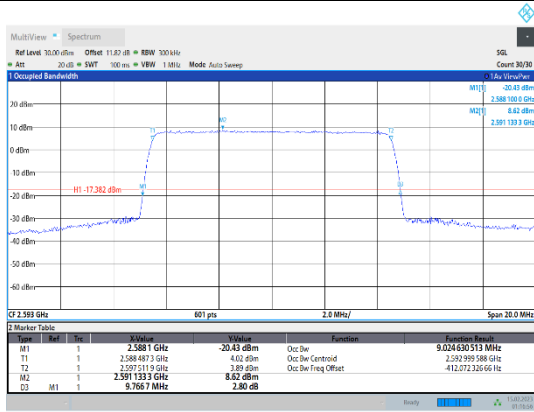
01:13:42 15.02.2023

Band41-10MHz-64QAM-40090-50RB#0



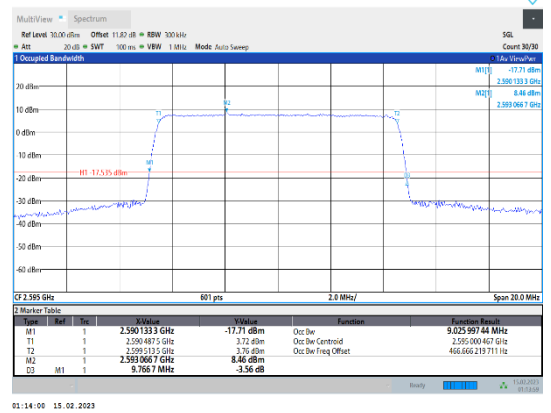
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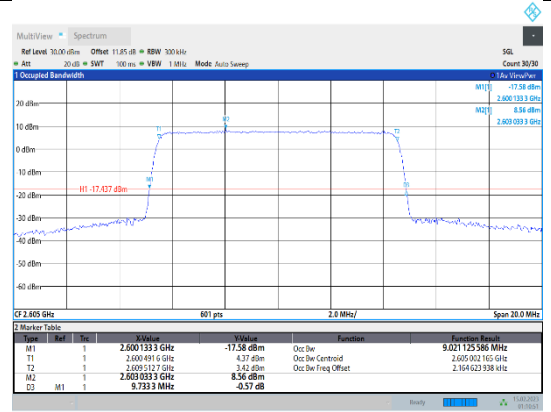
01:14:57 15.02.2023

Band41-10MHz-64QAM-40620-50RB#0



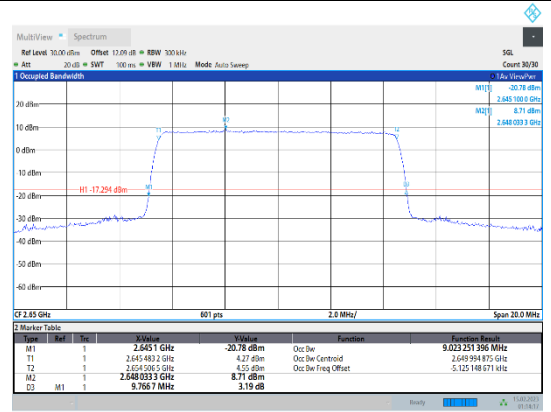
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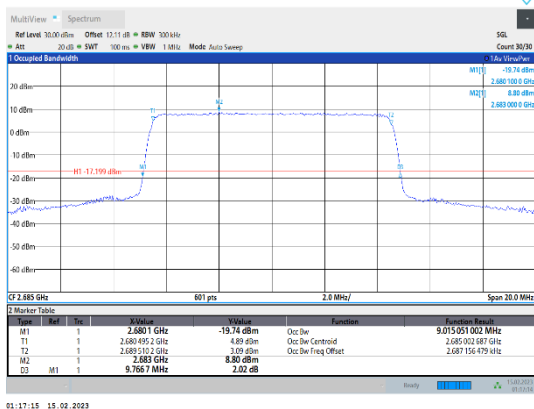
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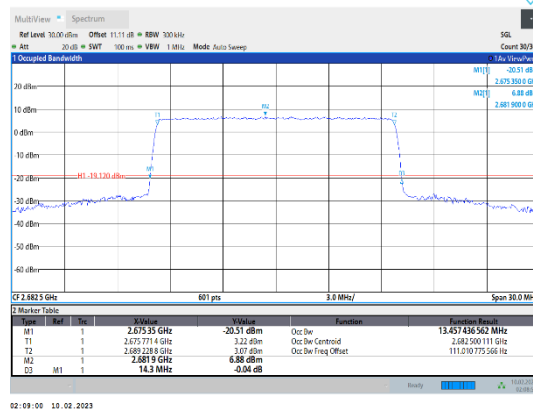
01:14:18 15.02.2023

Band41-10MHz-64QAM-41190-50RB#0



01:17:15 15.02.2023

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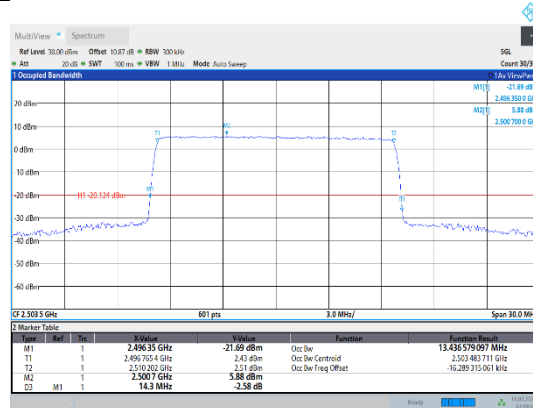
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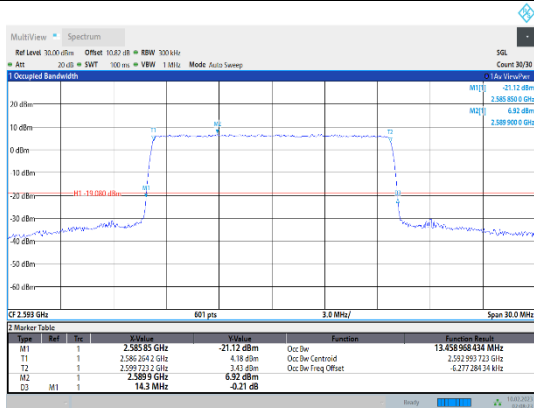
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02:09:05 10.02.2023

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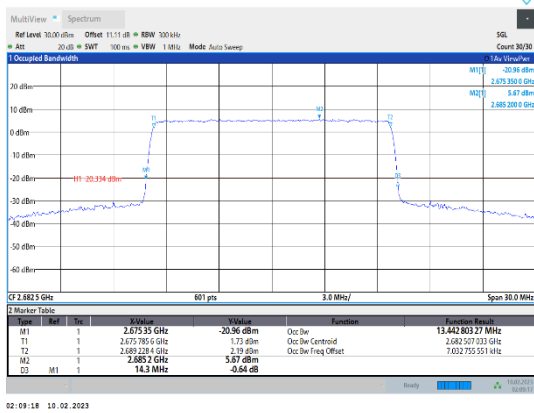
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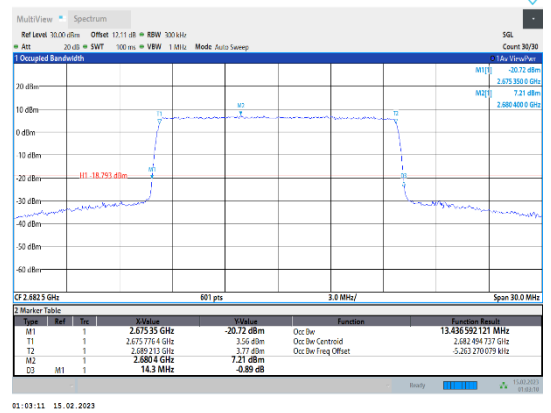
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02:09:18 10.02.2023

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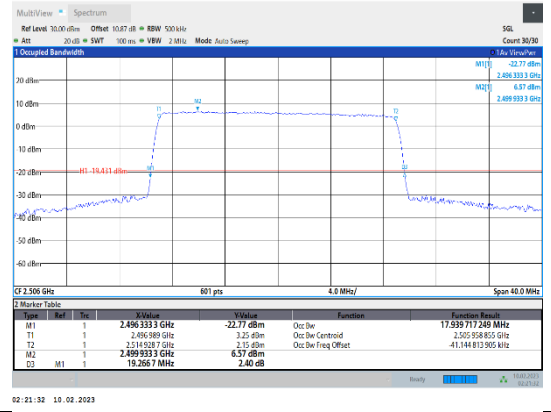
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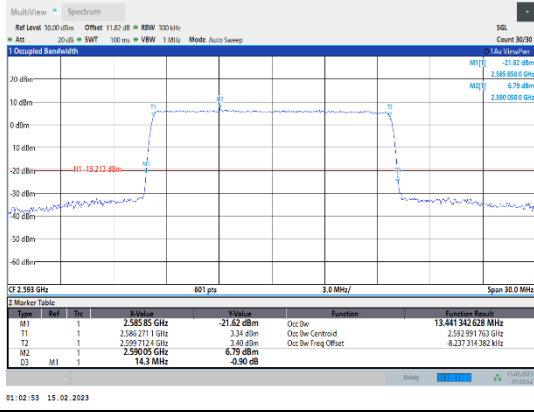
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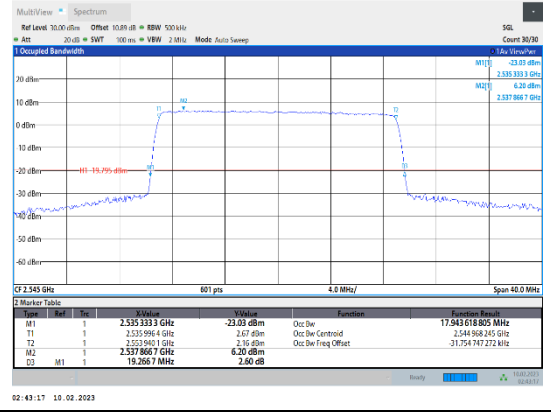
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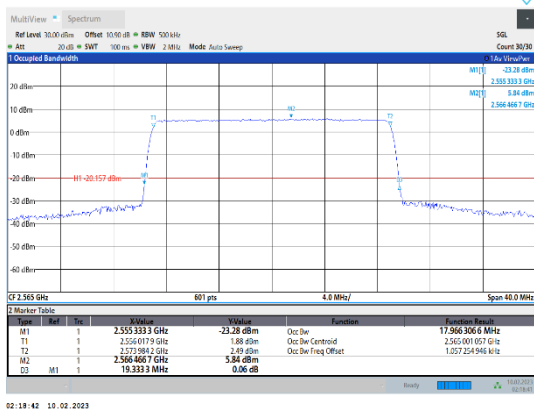
01:02:53 15.02.2023

Band41-15MHz-64QAM-40620-75RB#0



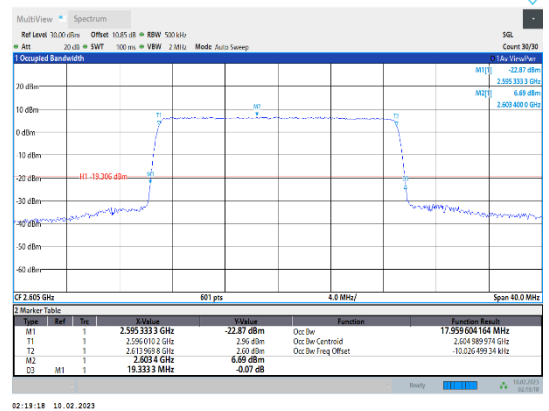
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Band41-20MHz-QPSK-40140-100RB#0



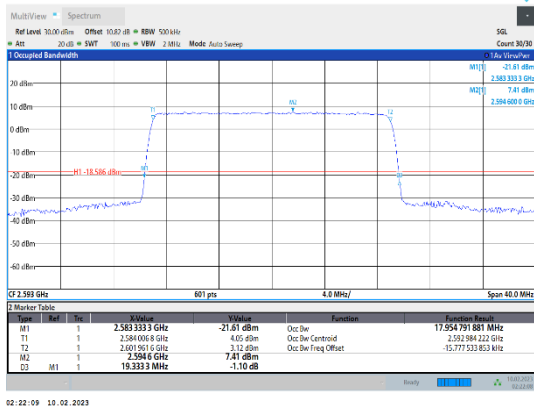
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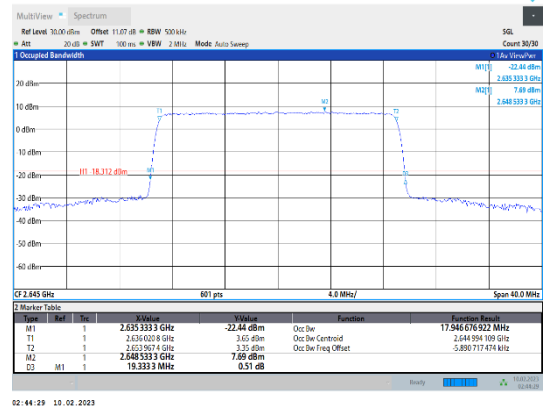
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Band41-20MHz-QPSK-40740-100RB#0



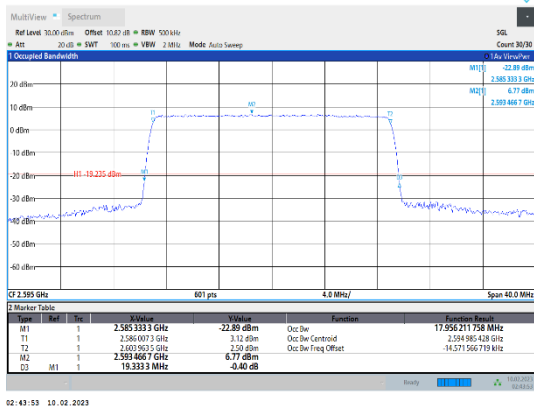
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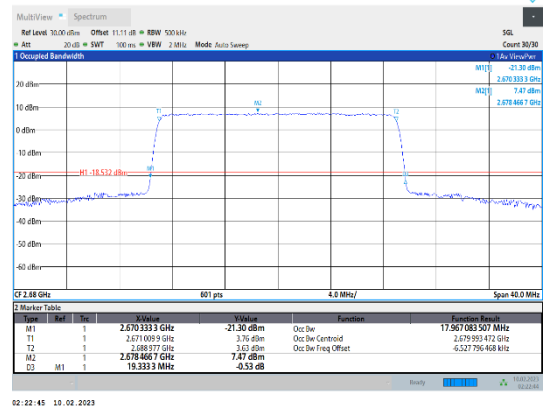
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Band41-20MHz-QPSK-41140-100RB#0



02:43:53 10.02.2023

Band41-20MHz-QPSK-40640-100RB#0



02:22:45 10.02.2023

Band41-20MHz-QPSK-41490-100RB#0



Band41-20MHz-16QAM-39750-100RB#0



Band41-20MHz-16QAM-40620-100RB#0



Band41-20MHz-16QAM-40140-100RB#0



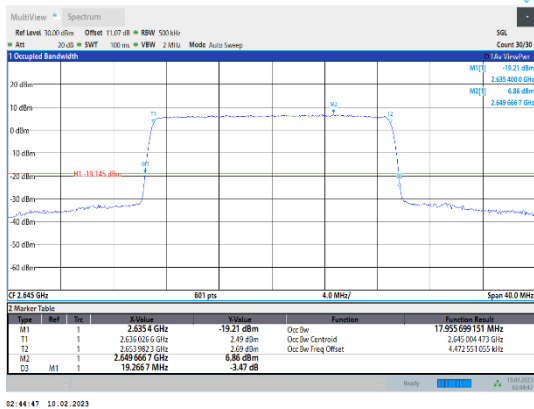
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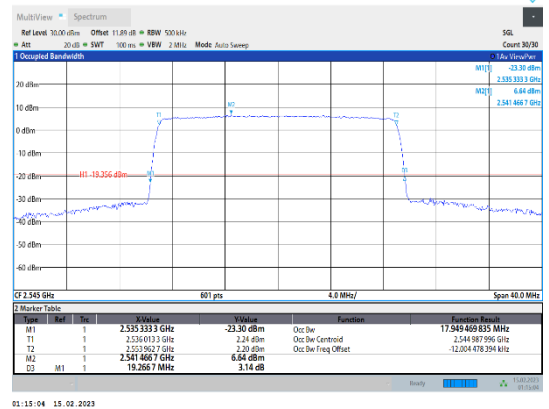


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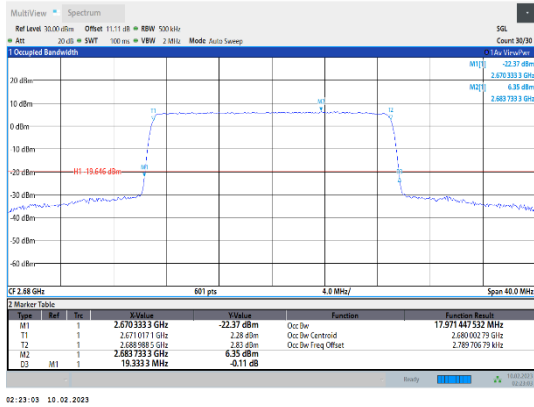
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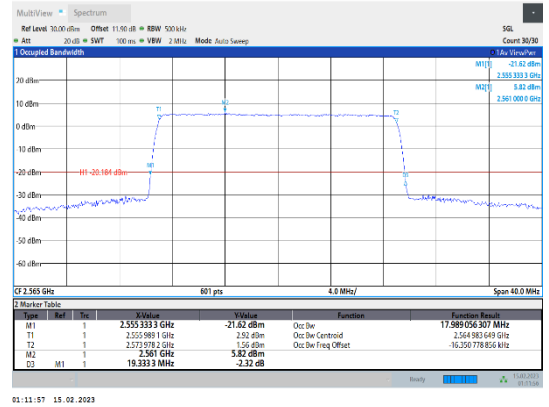
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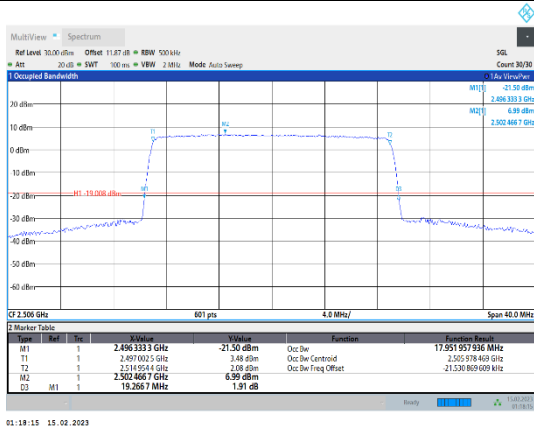
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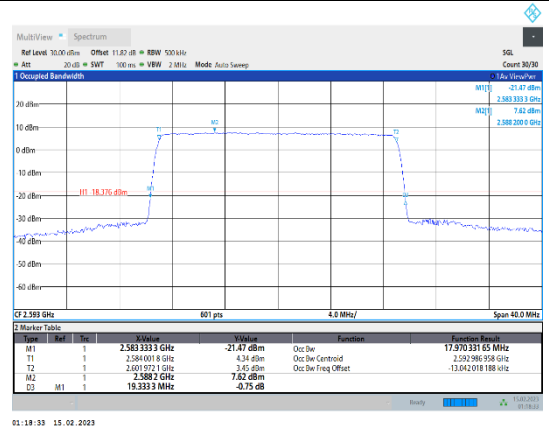
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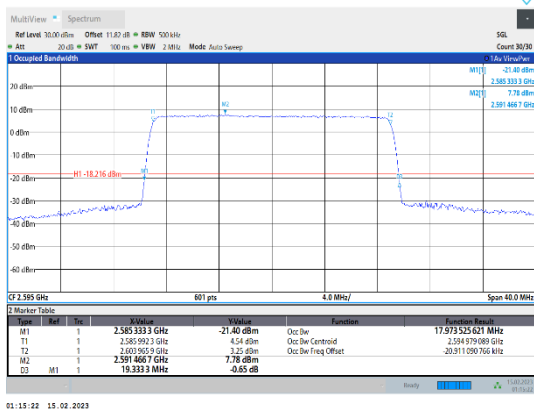
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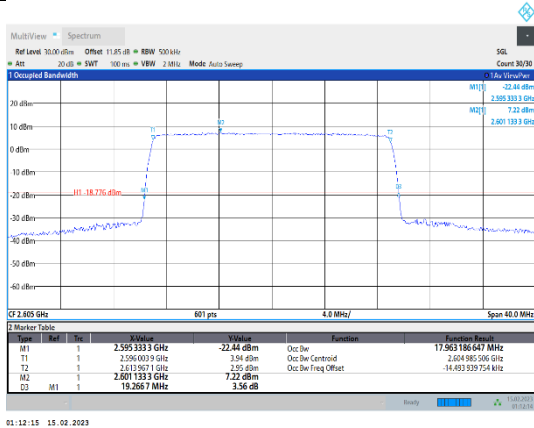


01:18:33 15.02.2023

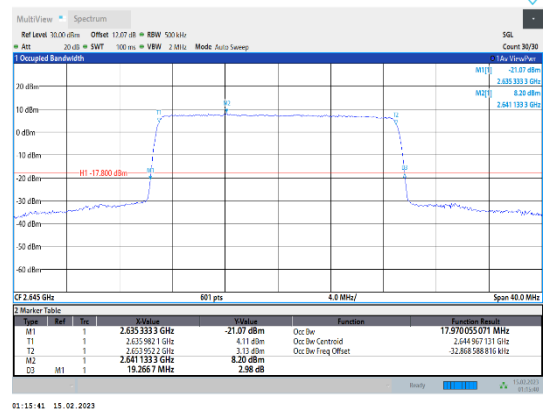
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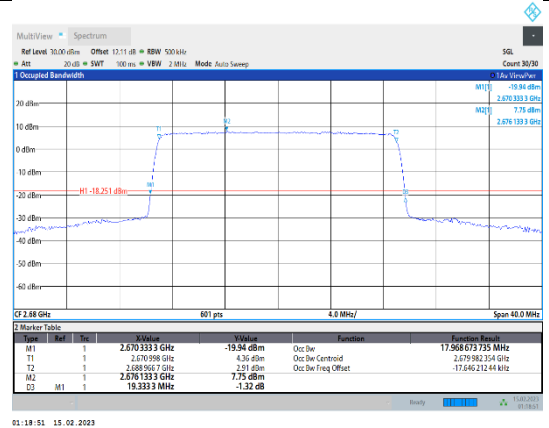
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Band41-20MHz-64QAM-40740-100RB#0



Band41-20MHz-64QAM-41140-100RB#0



Band41-20MHz-64QAM-41490-100RB#0

5.4. Spurious Emission at Antenna Terminal

5.4.1. Test Standard

FCC § 2.1051, 22.917(a) & 27.53(m)

5.4.2. Test Limit

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.

FCC § 22.917(a)

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. This is calculated to be -13 dBm.

FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

40 + 10 log P dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.

43 + 10 log P dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,

55 + 10 log P dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

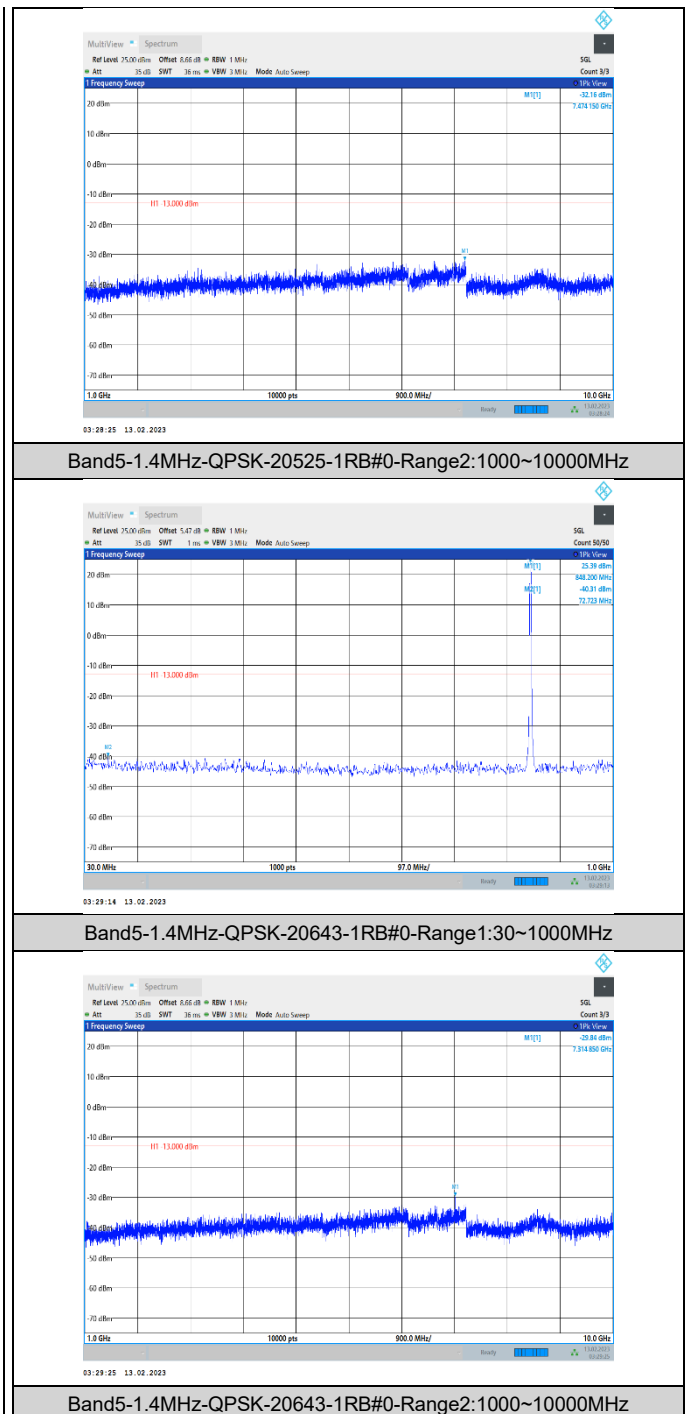
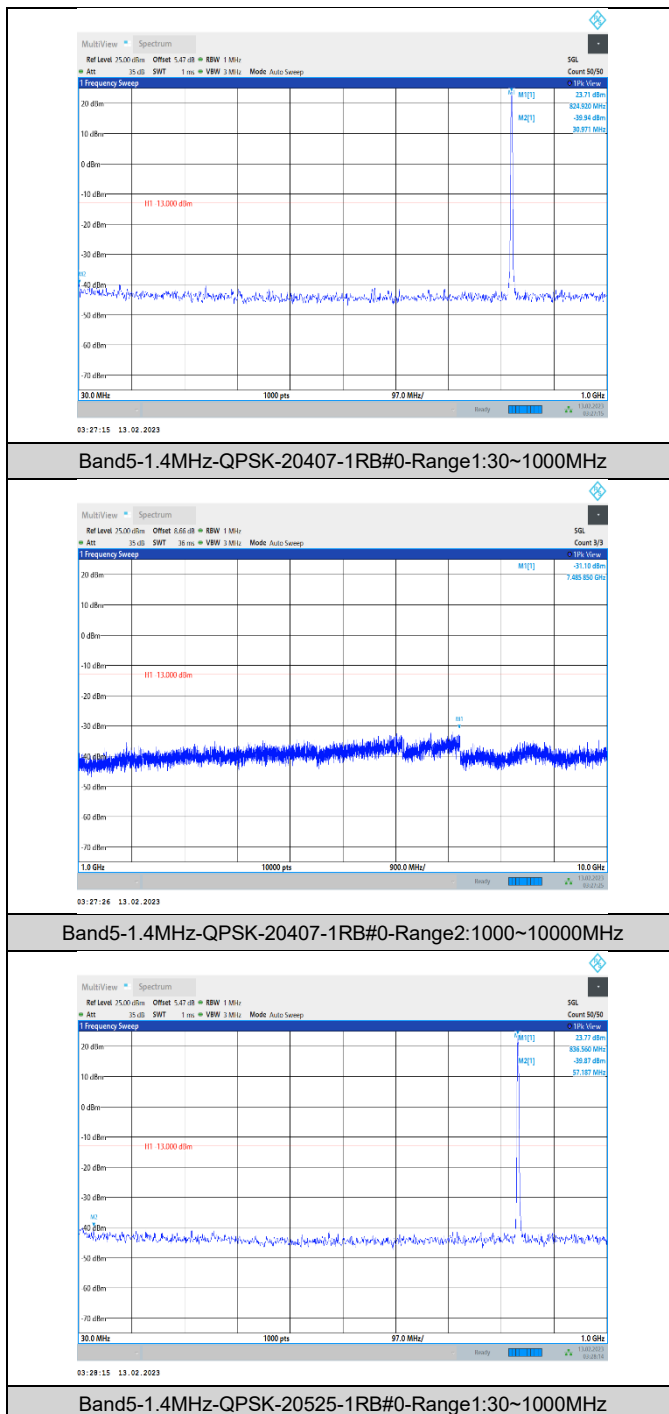
In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

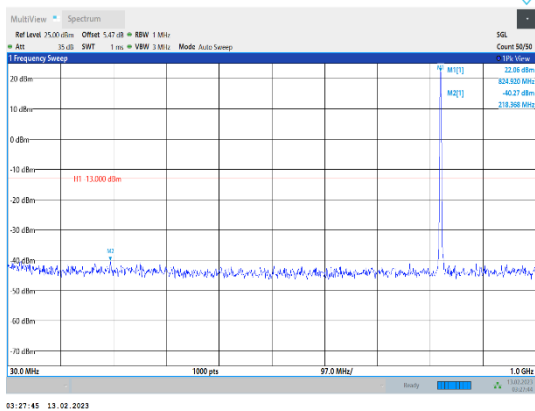
5.4.3. Test Procedure

1. Connect the equipment as shown in the above diagram.
2. Set the spectrum analyzer to measure peak hold with the required settings.
3. Set the signal generator to a known output power and record the path loss in dB (LOSS) for frequencies up to the tenth harmonic of the EUT's carrier frequency.
 $LOSS = \text{Generator Output Power (dBm)} - \text{Analyzer reading (dBm)}$.
4. Replace the signal generator with the EUT.
5. Adjust the settings of the Universal Radio Communication Tester to set the EUT to its maximum power at the required channel.
6. Set the spectrum analyzer to measure peak hold with the required settings. Offset the spectrum analyzer reference level by the path loss measured above.
7. Measure and record all spurious emissions up to the tenth harmonic of the carrier frequency.

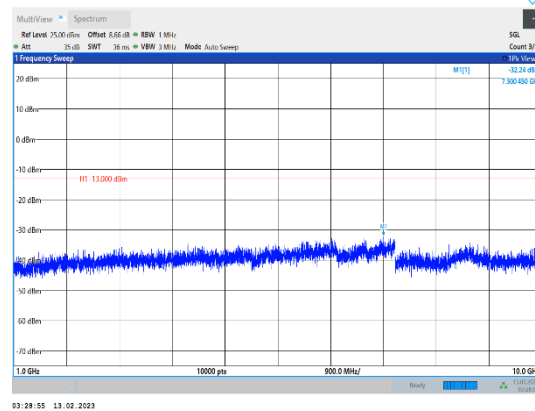
8. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.
9. If necessary steps 6 and 7 may be performed with the spectrum analyzer set to average detector.
(Note: Step 3 above is performed prior to testing and LOSS is recorded by test software.
Steps 2, 6, and 7 above are performed with test software.)

5.4.4.Test Data

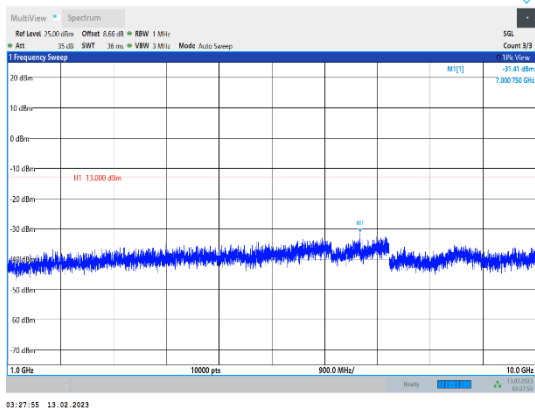




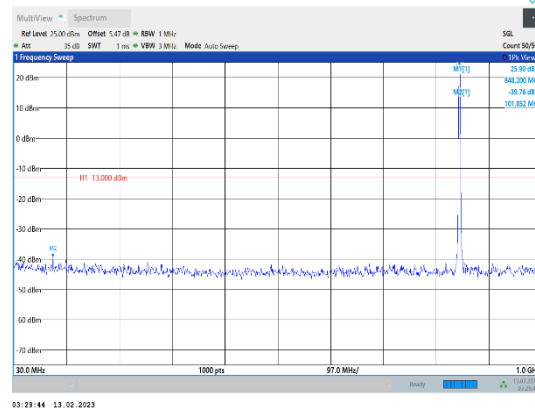
Band5-1.4MHz-16QAM-20407-1RB#0-Range1:30~1000MHz



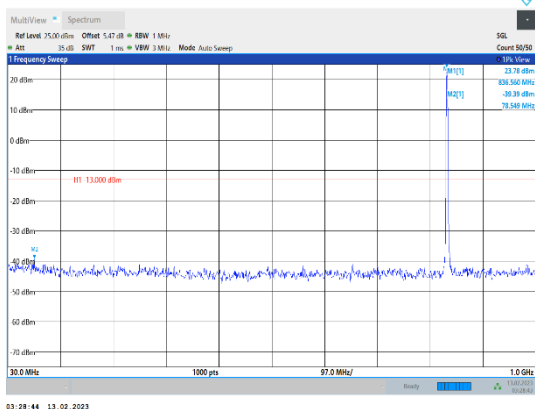
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



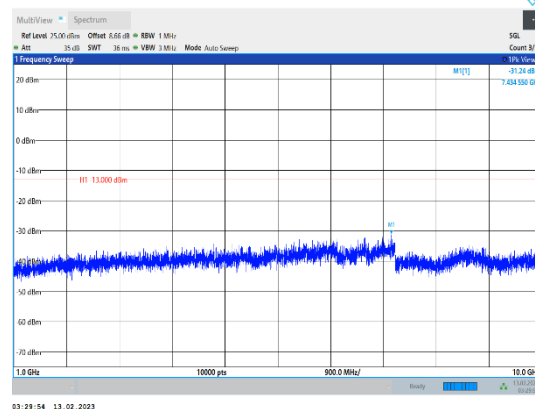
Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~10000MHz



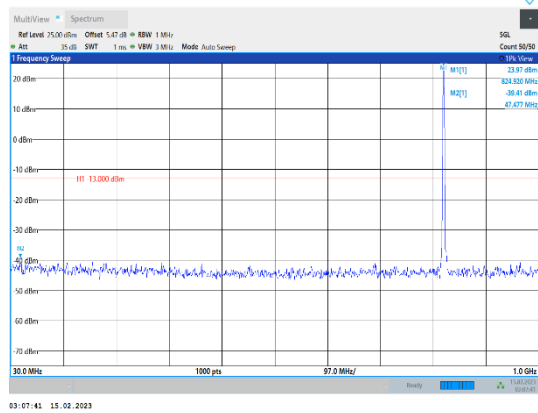
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz



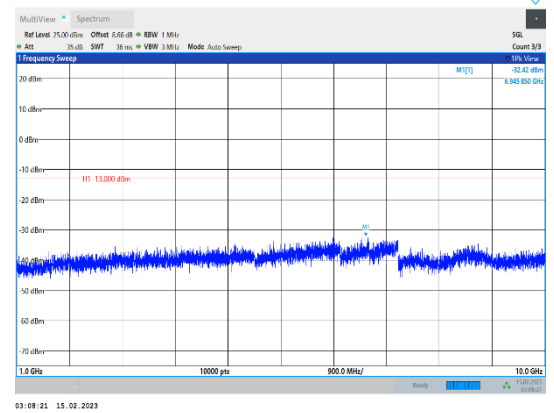
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



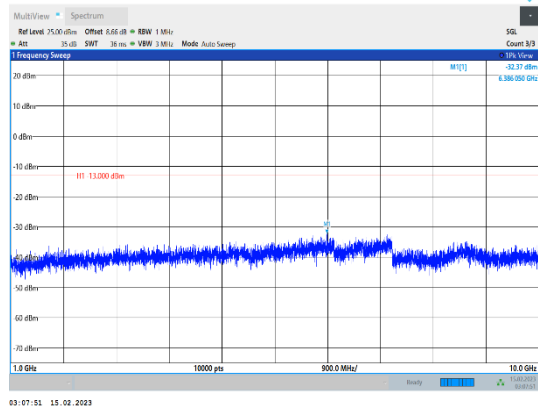
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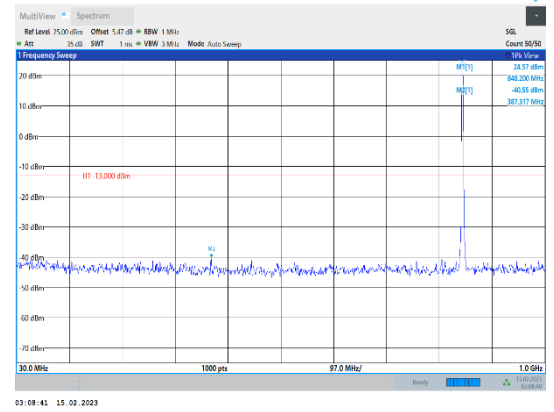
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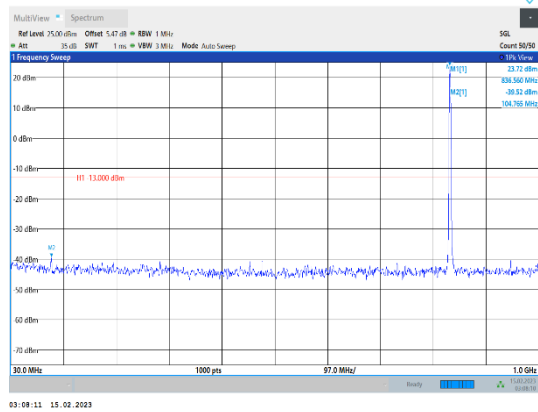
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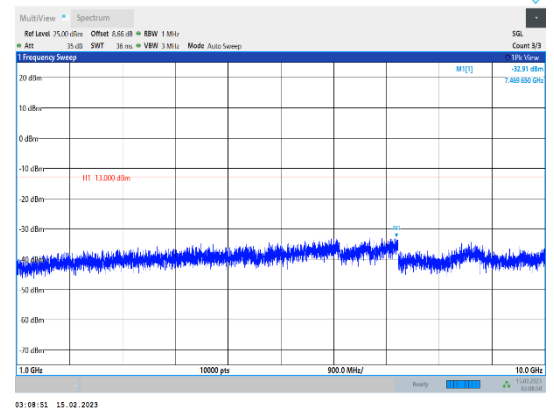
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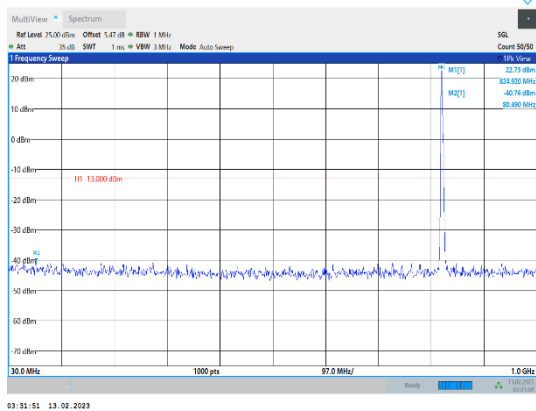
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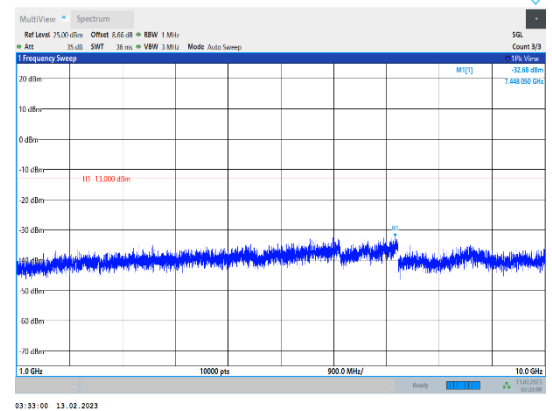
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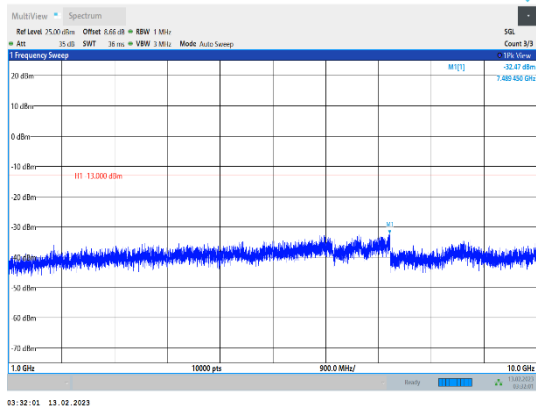
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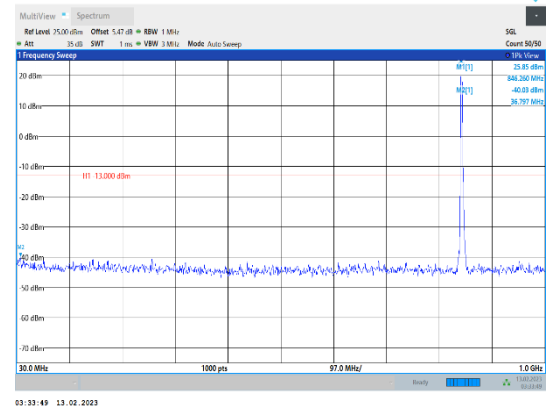
Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



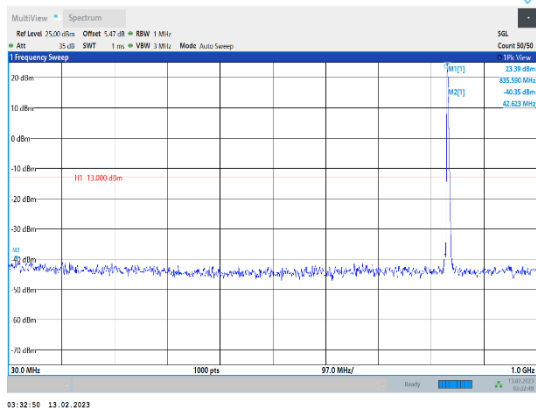
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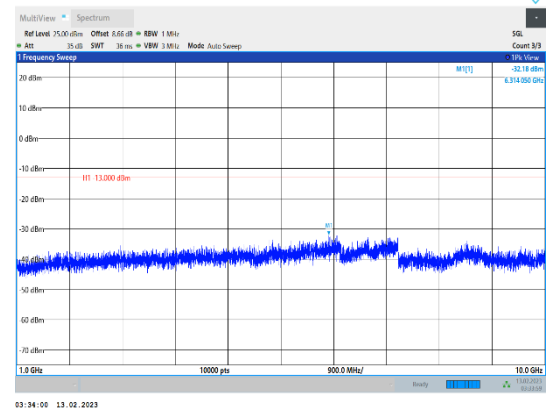
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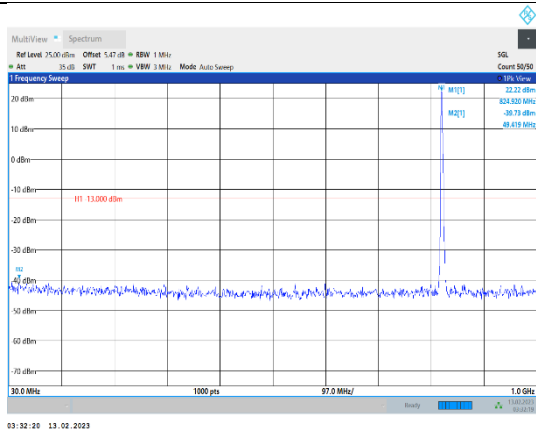
Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz



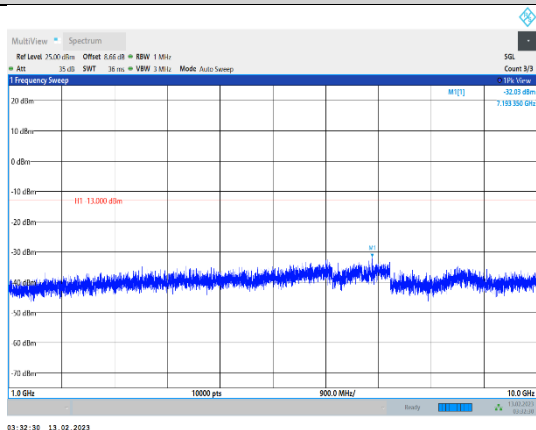
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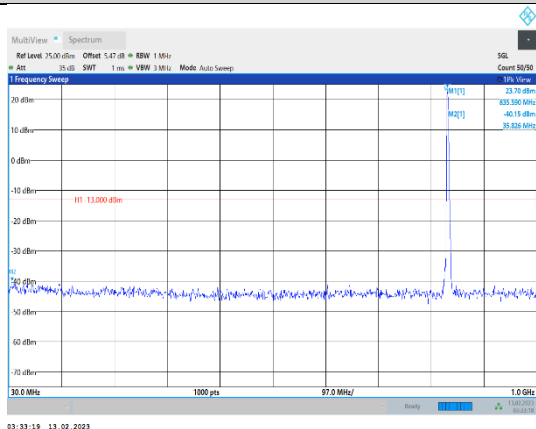
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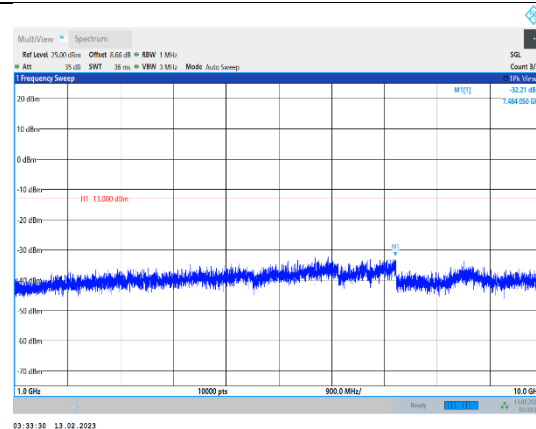
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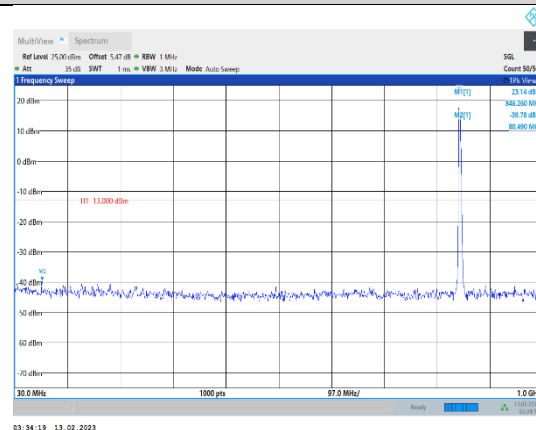
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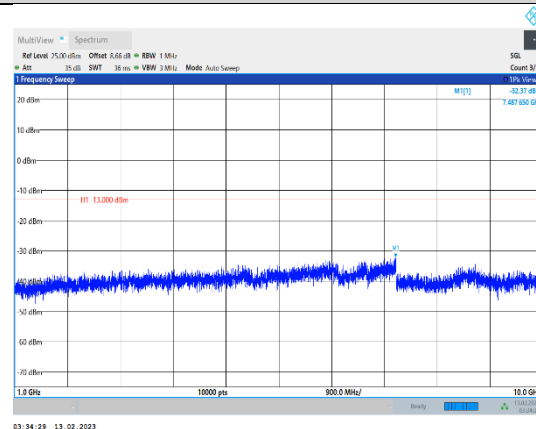
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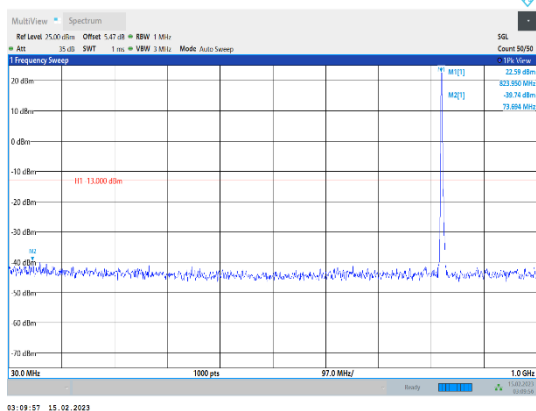
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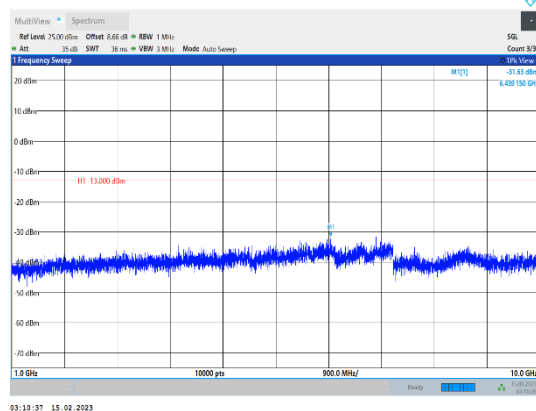
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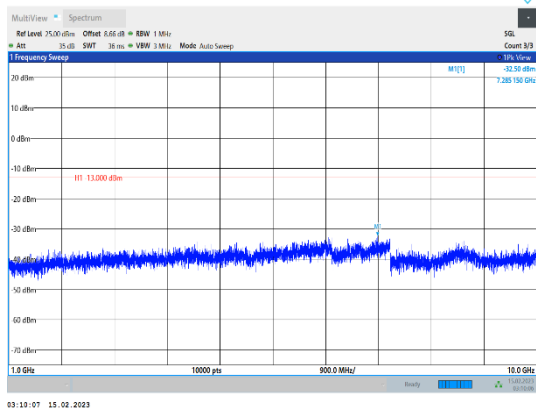
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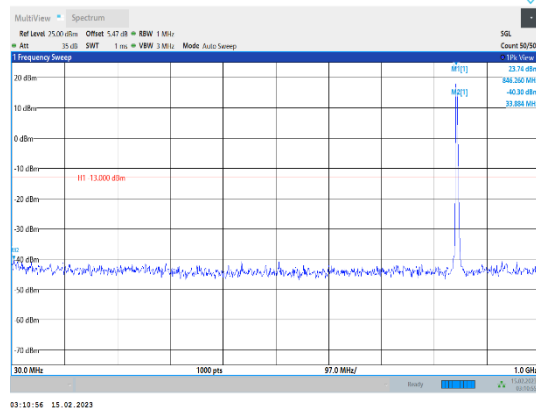
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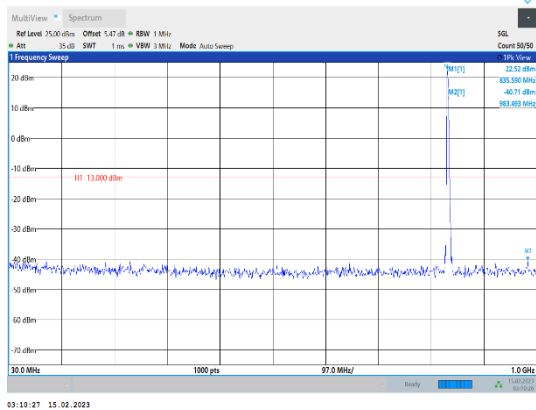
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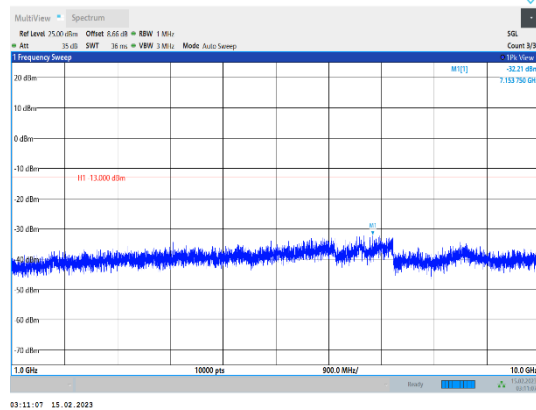
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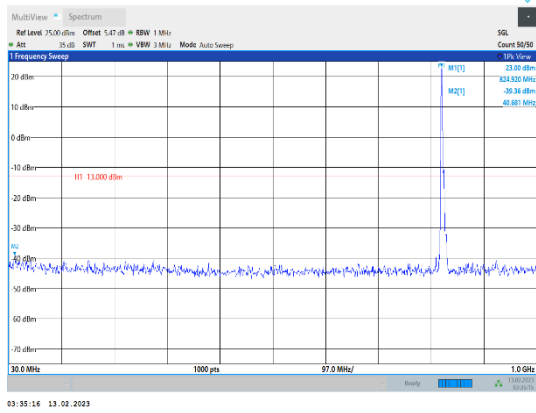
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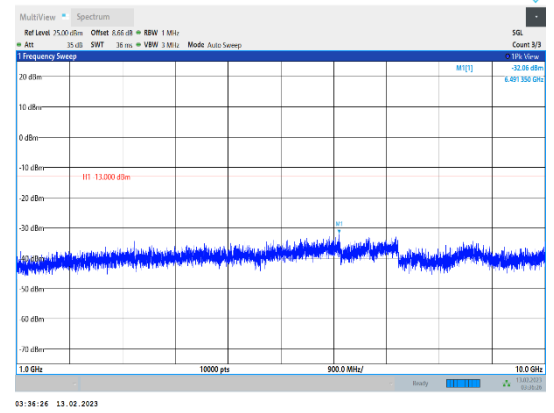
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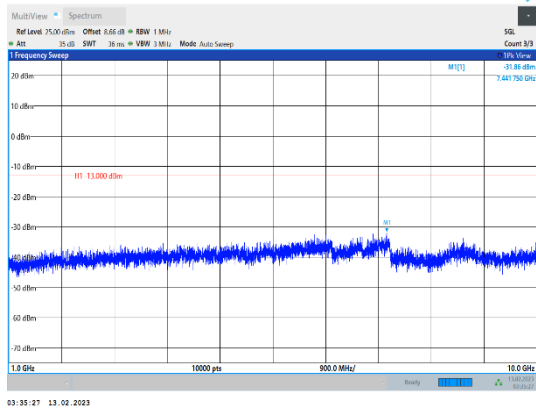
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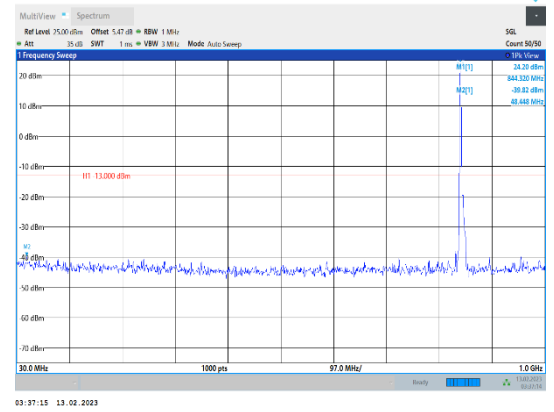
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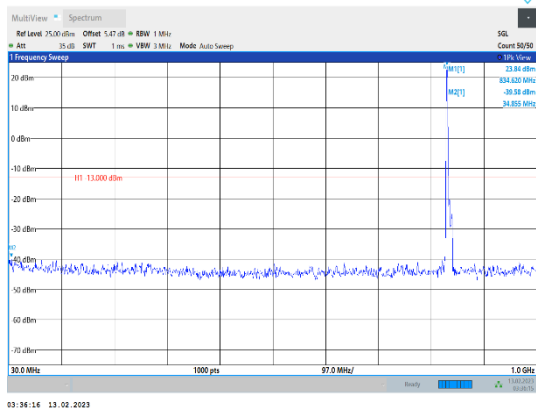
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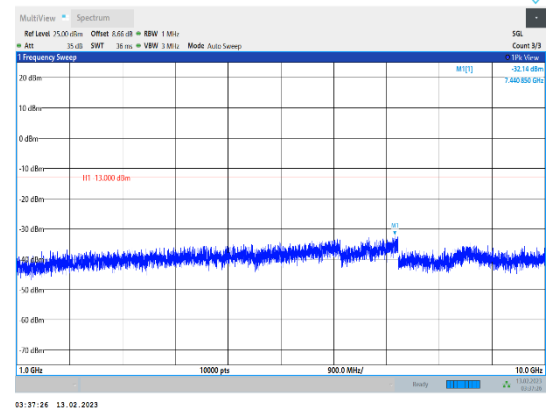
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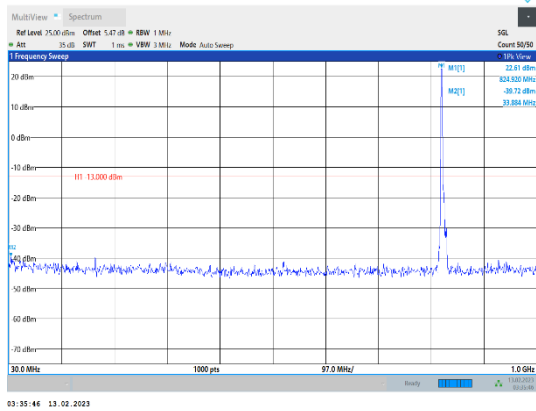
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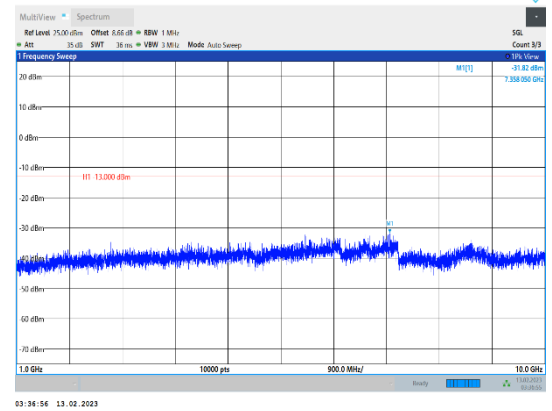
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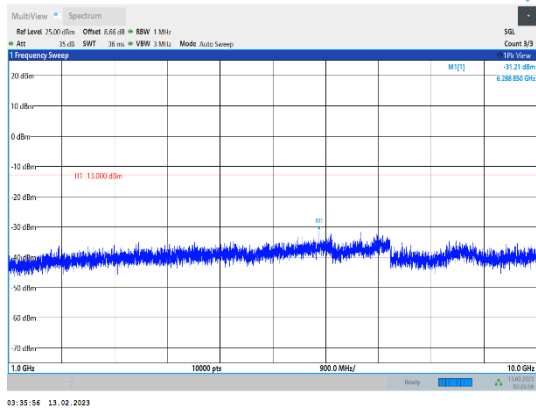
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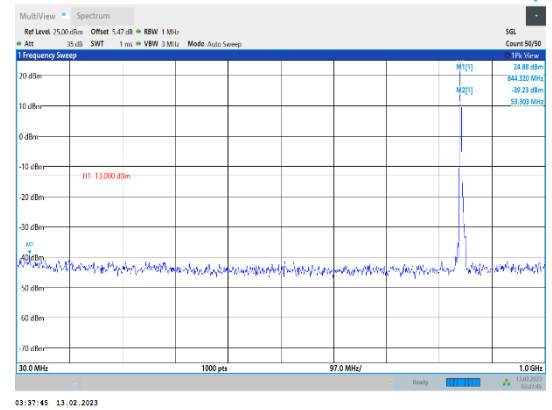
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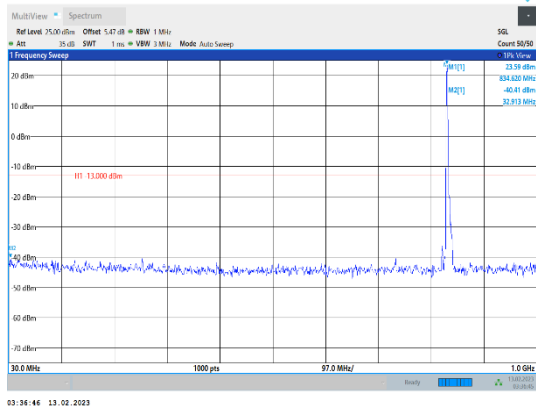
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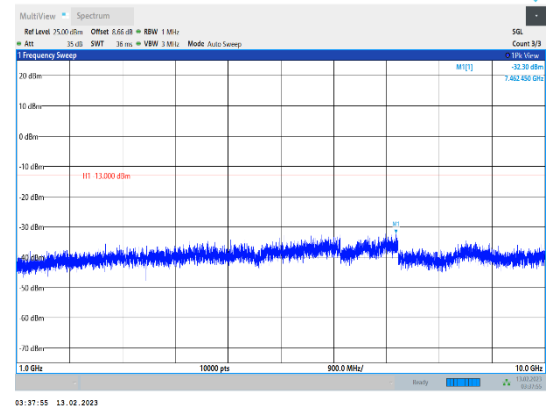
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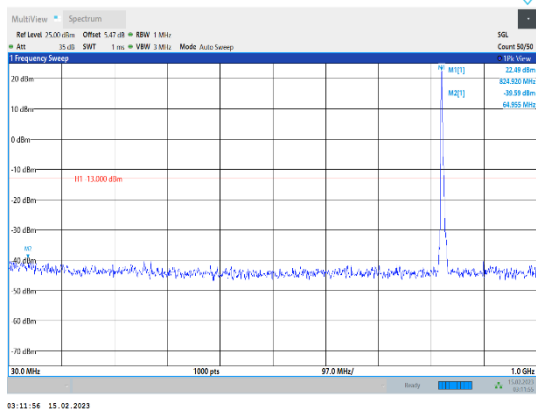
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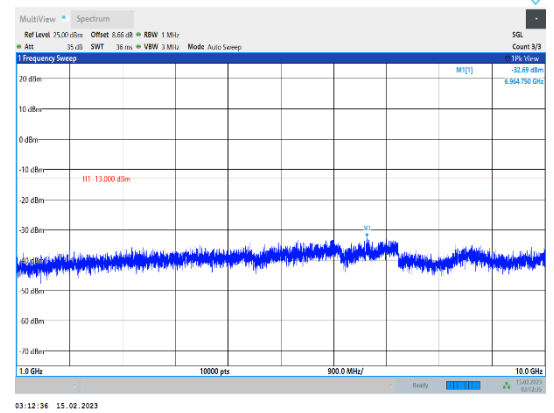
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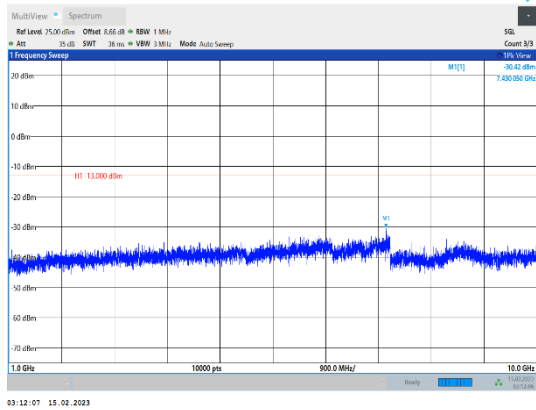
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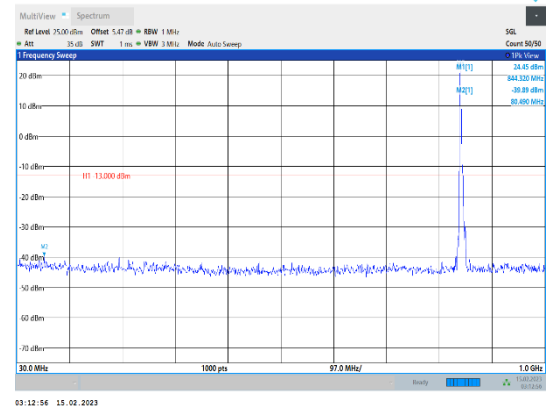
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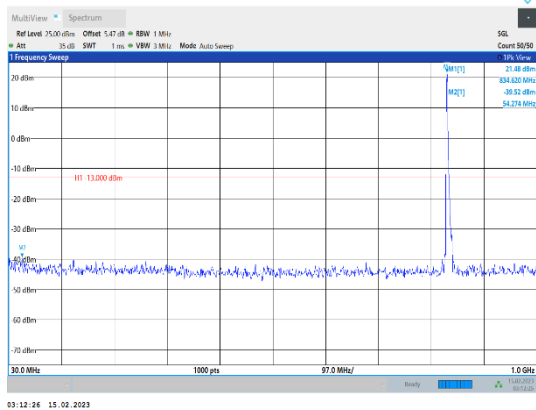
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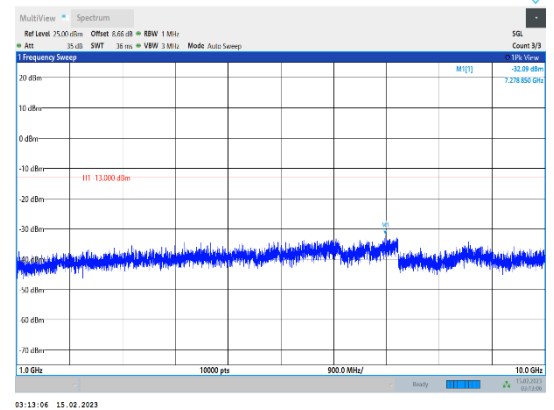
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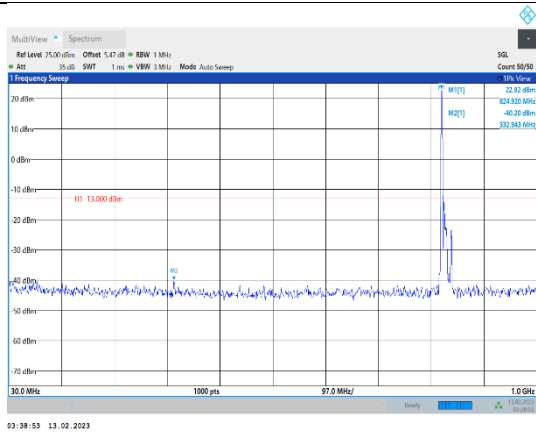
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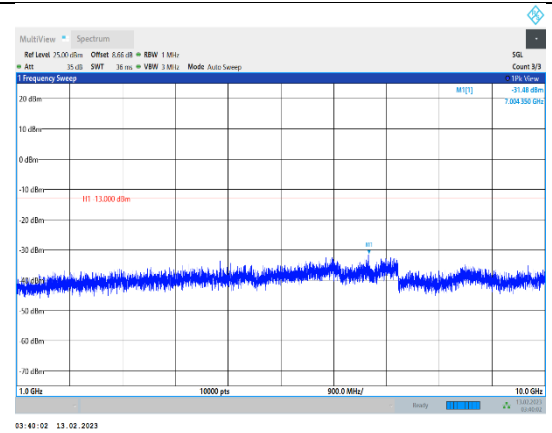
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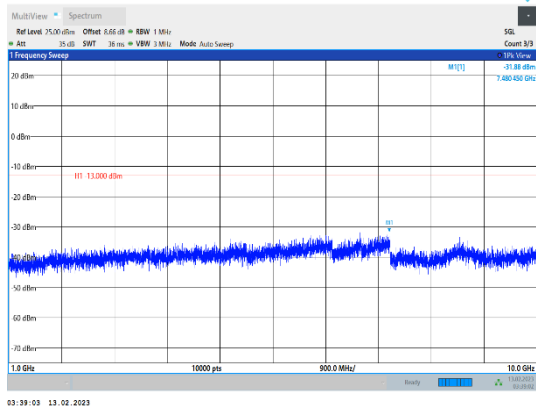
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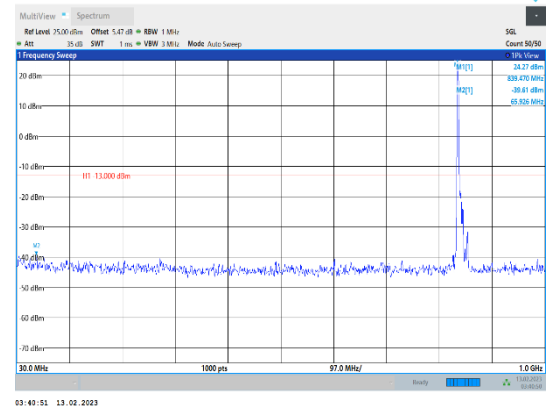
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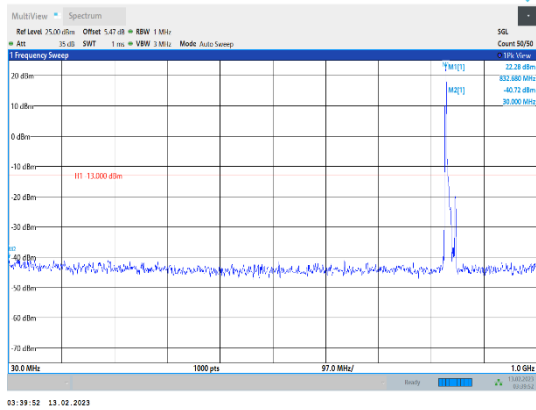
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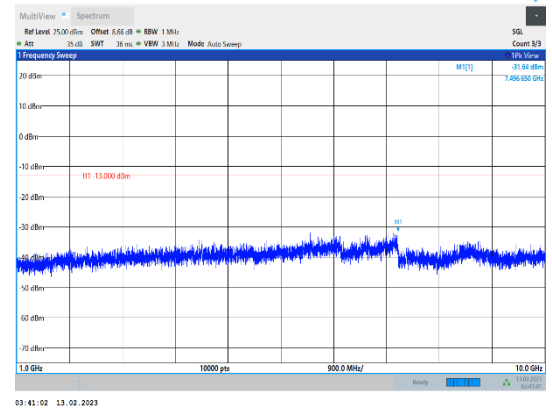
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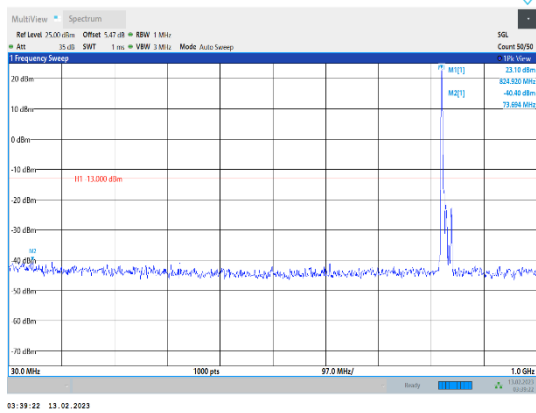
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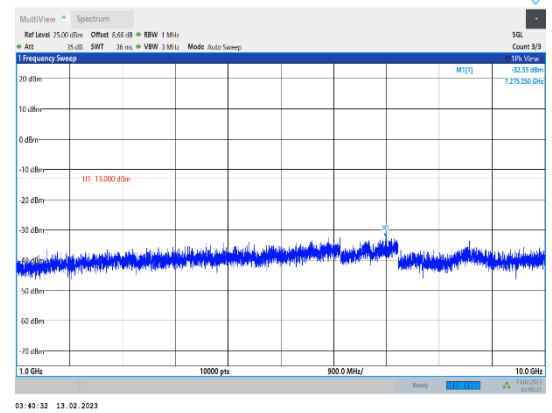
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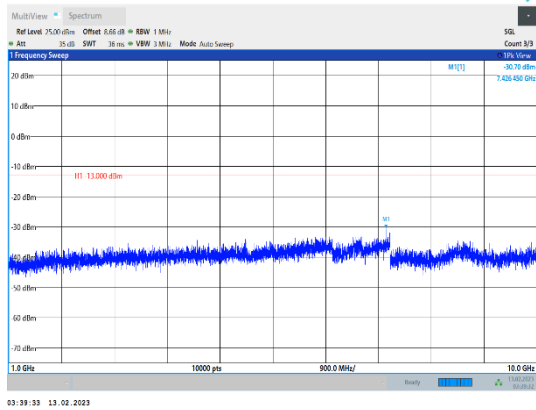
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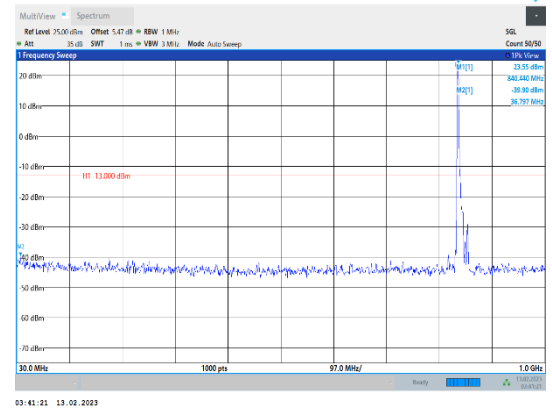
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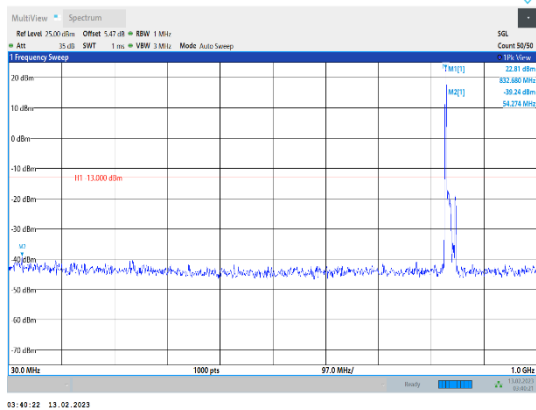
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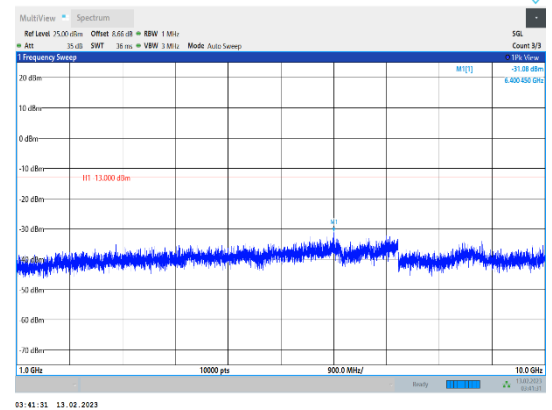
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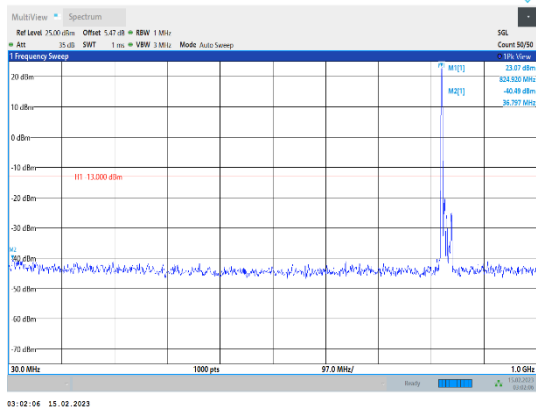
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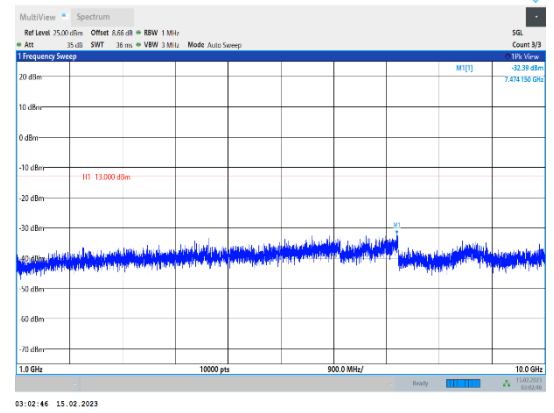
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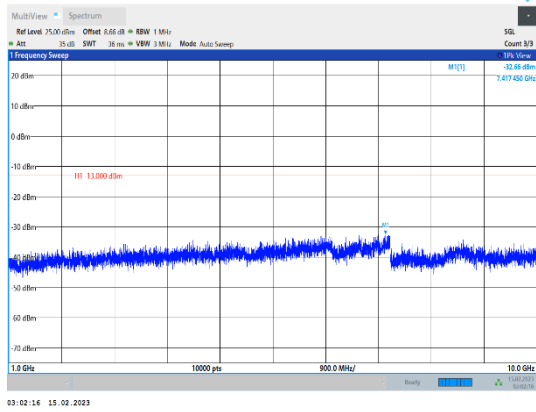
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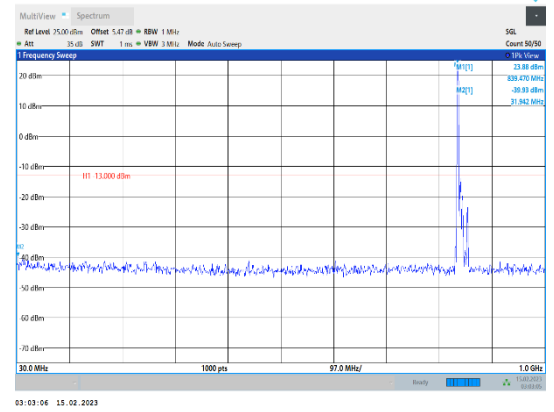
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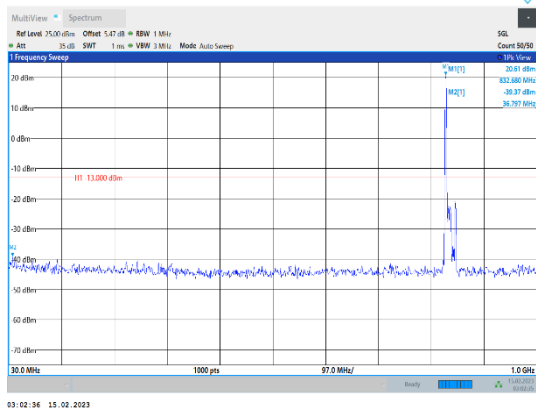
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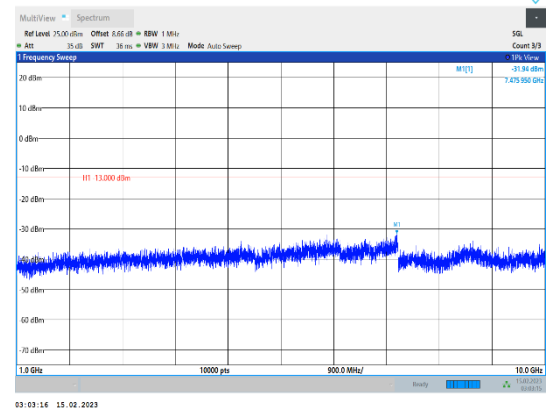
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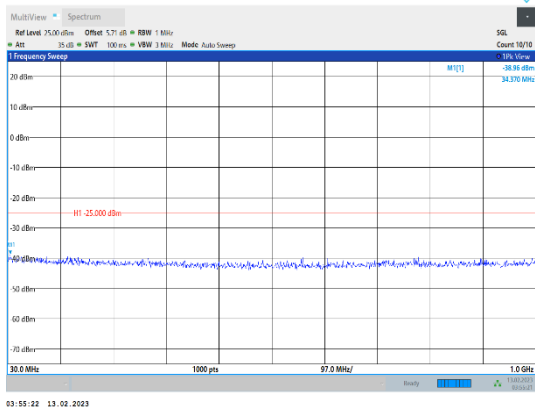
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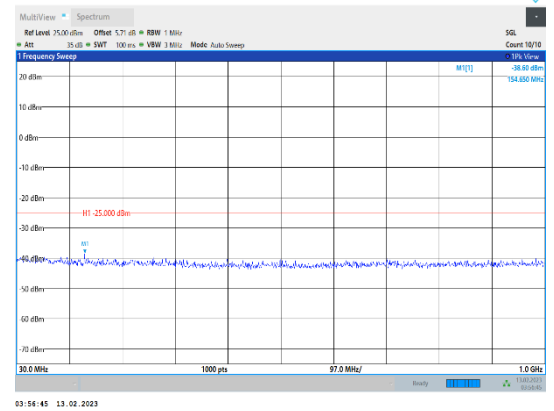
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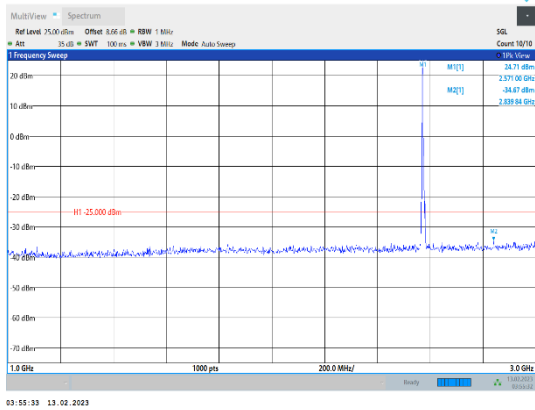
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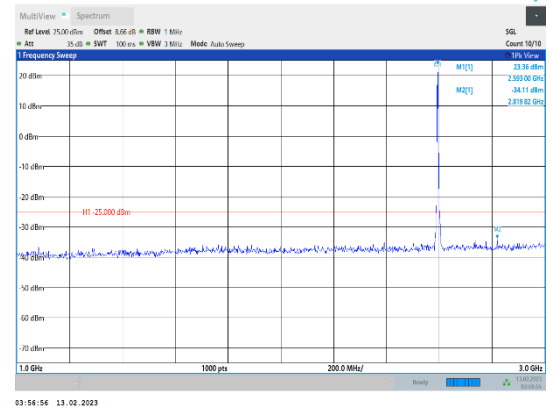
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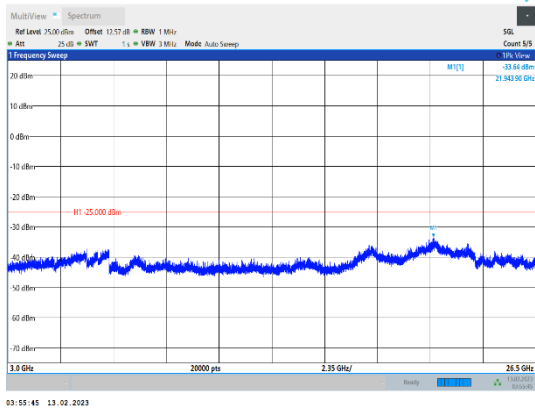
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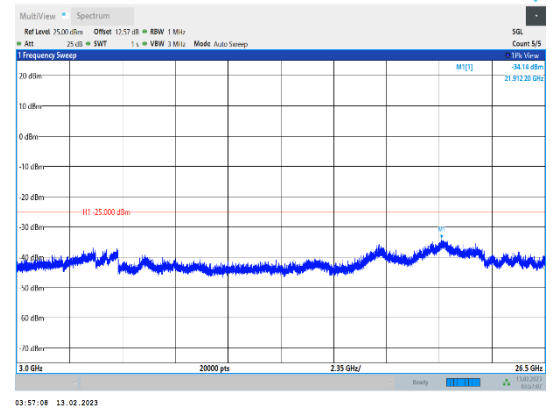
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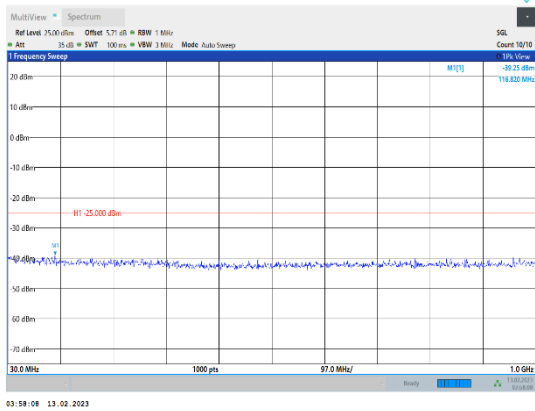
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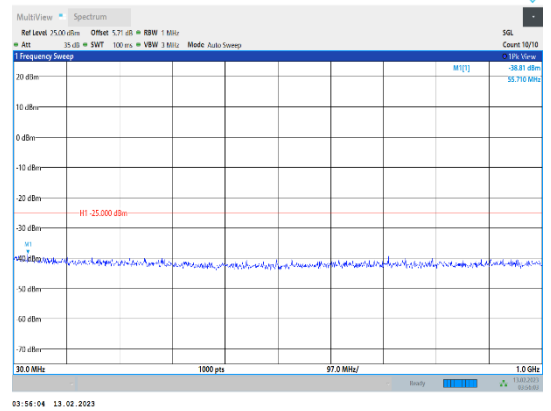
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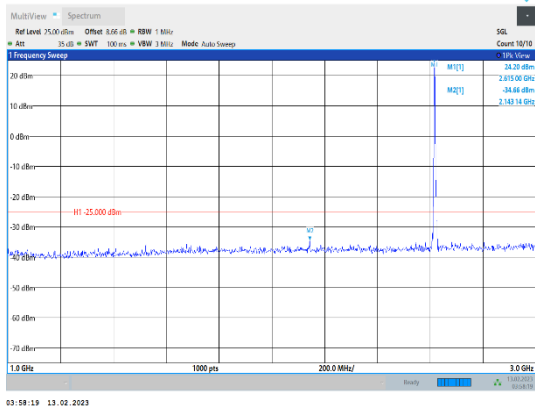
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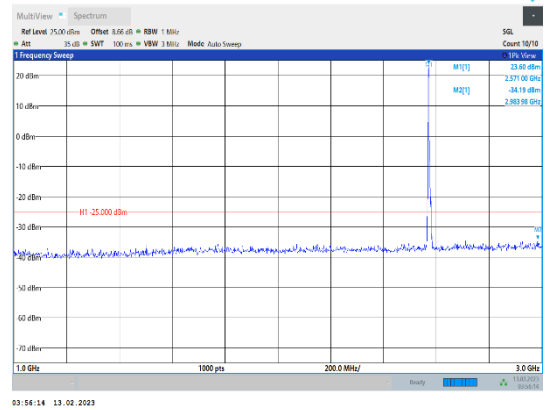
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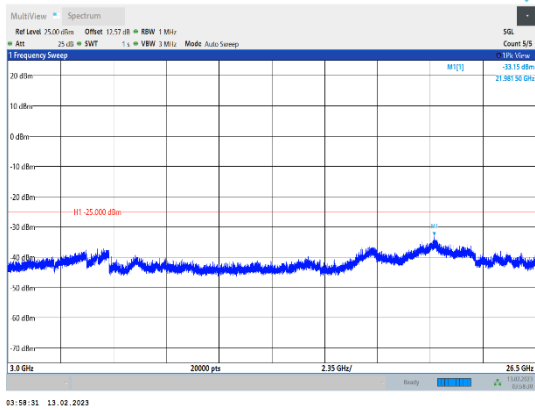
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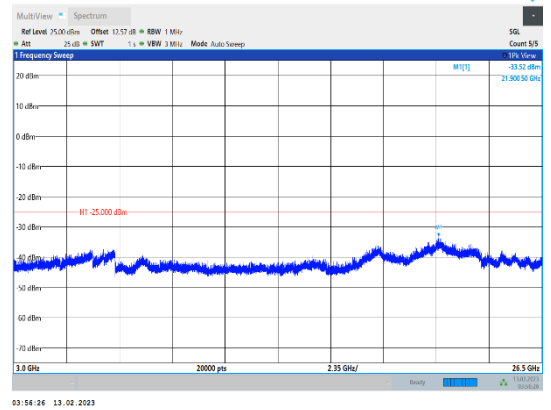
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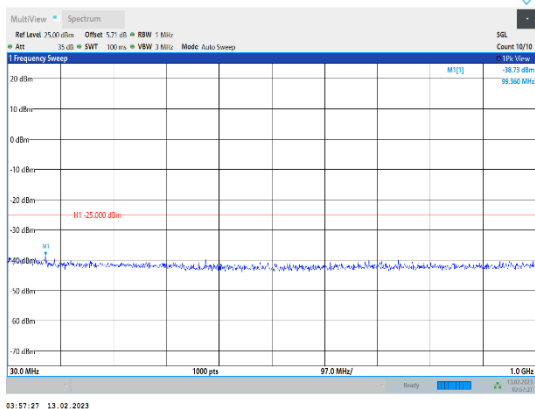
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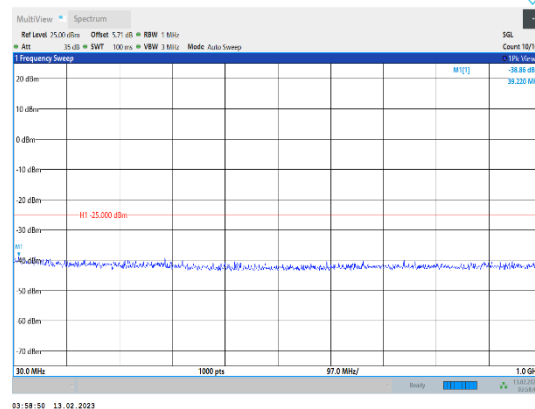
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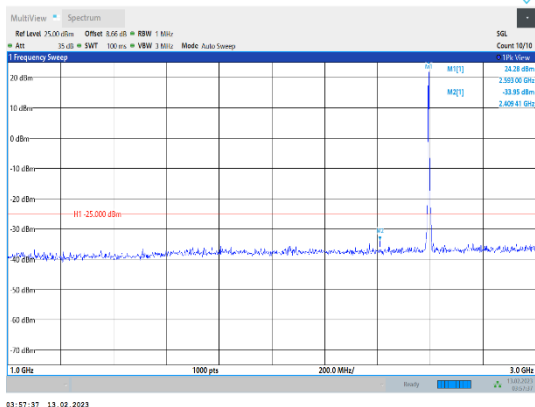
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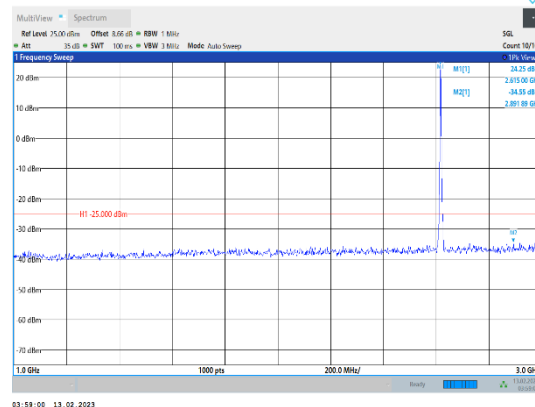
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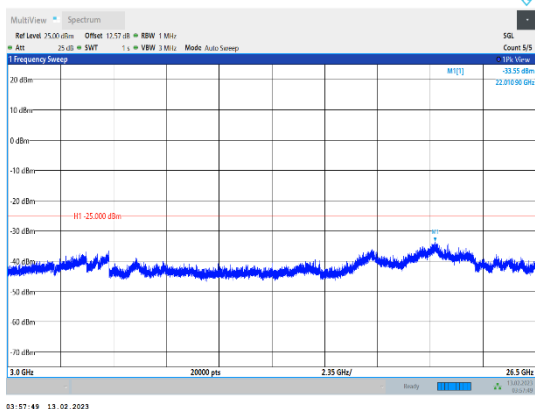
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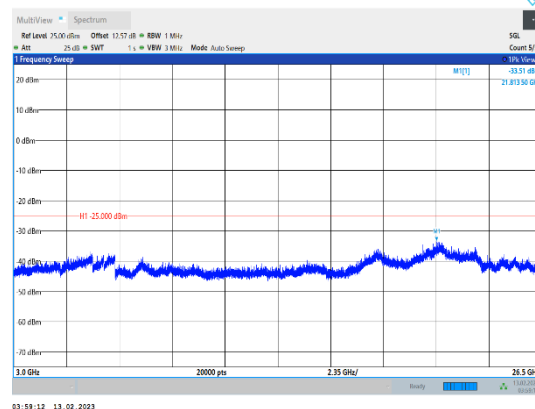
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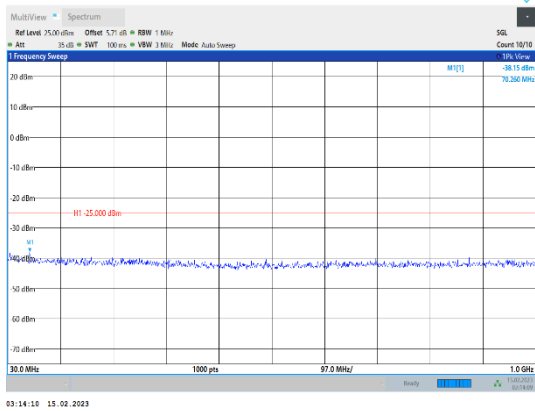
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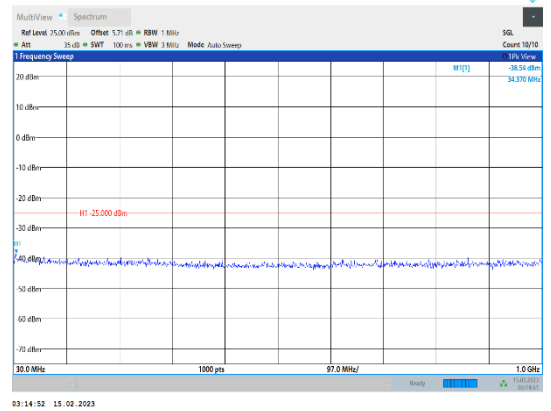
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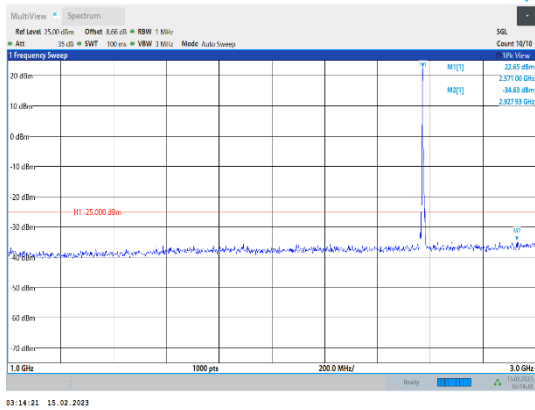
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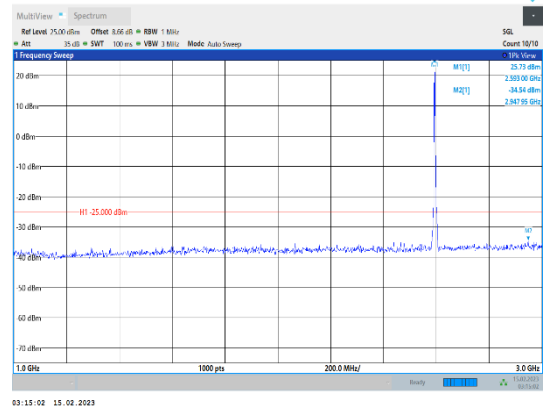
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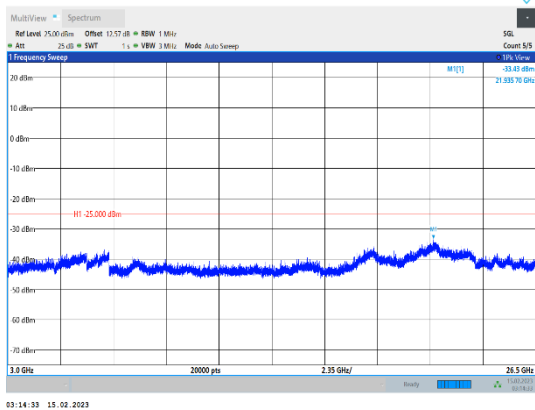
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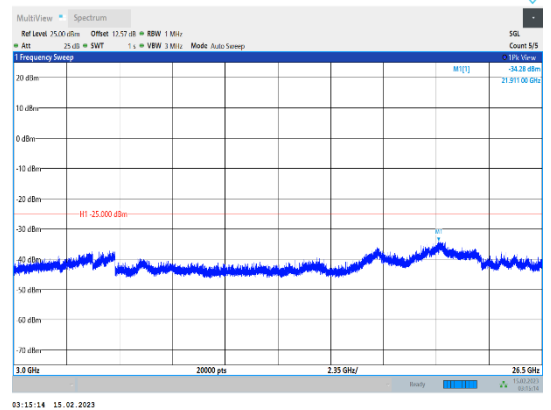
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Band38-5MHz-64QAM-38000-1RB#0-Range2:1000~3000MHz



Band38-5MHz-64QAM-37775-1RB#0-Range3:3000~26500MHz



Band38-5MHz-64QAM-38000-1RB#0-Range3:3000~26500MHz