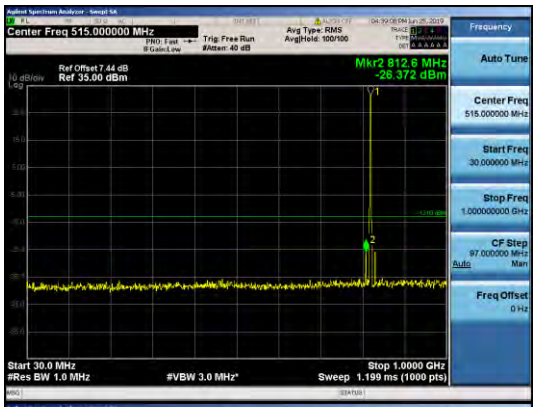
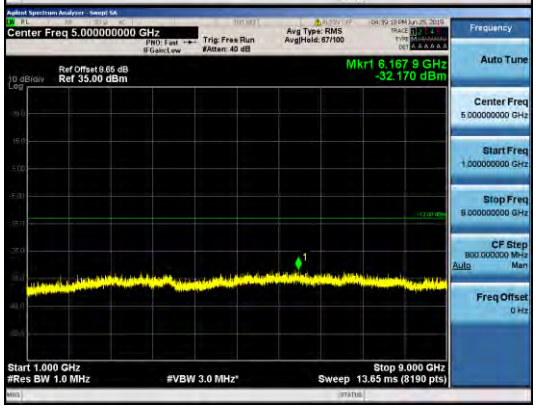
5.4.3.Test Procedure

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 = Generator Output Power (dBm) – Analyzer reading (dBm).
4. Replace the signal generator with the EUT.
5. Adjust the settings of the Universal Radio Communication Tester (CMU) 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.)

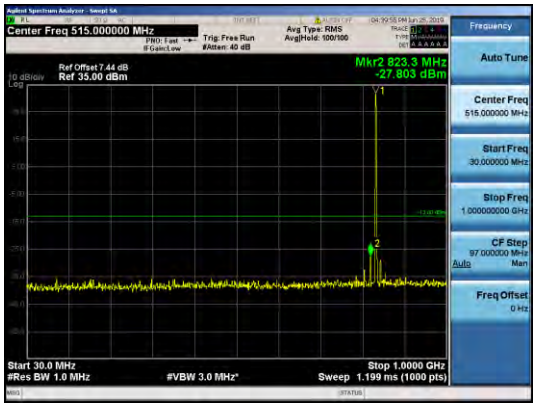
5.4.4.Test Data

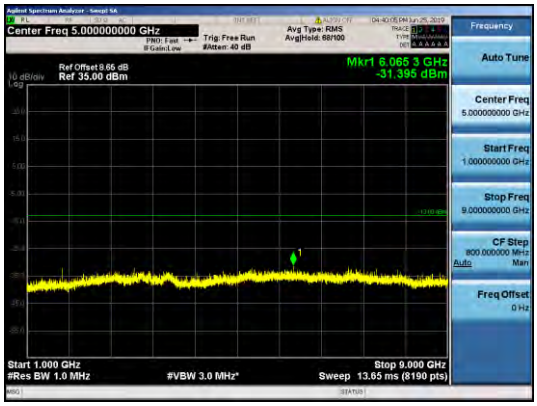
Out of band measurement
Test Band = GSM850
Test Mode = GSM / TM1
Test Channel = LCH



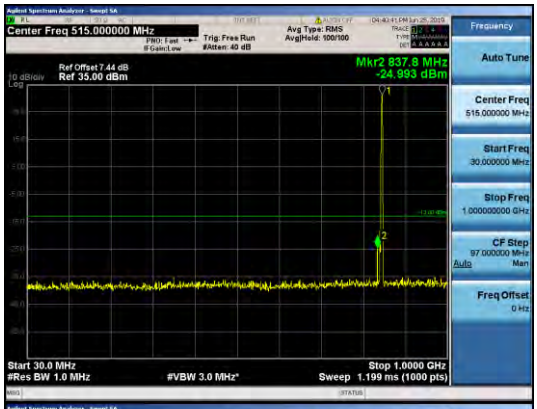


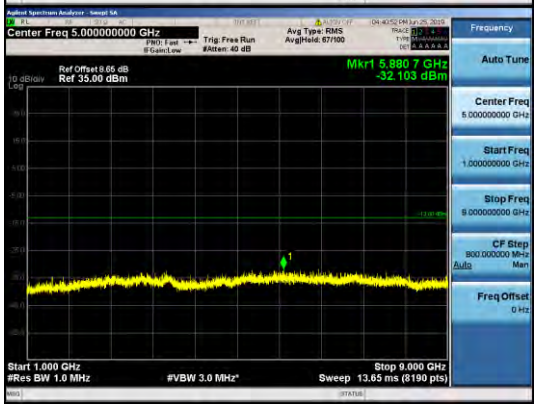
Out of band measurement
Test Band = GSM850
Test Mode = GSM /TM1
Test Channel = MCH



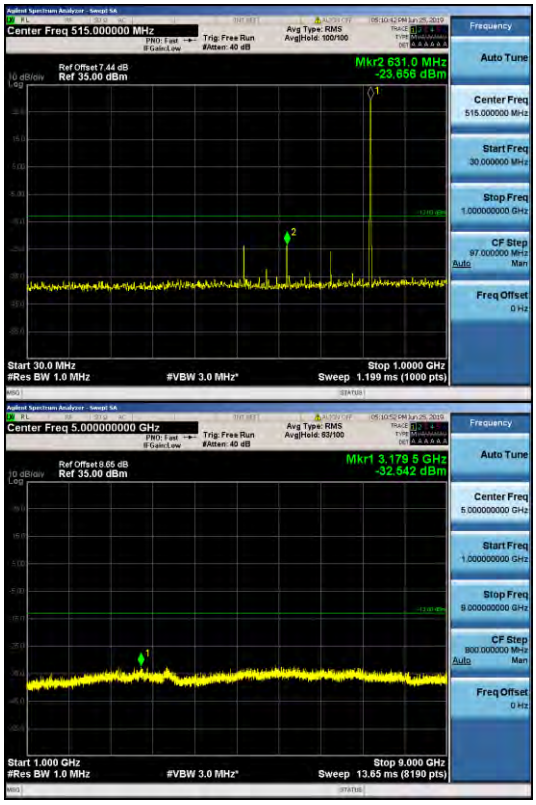


Out of band measurement
Test Band = GSM850
Test Mode = GSM /TM1
Test Channel = HCH

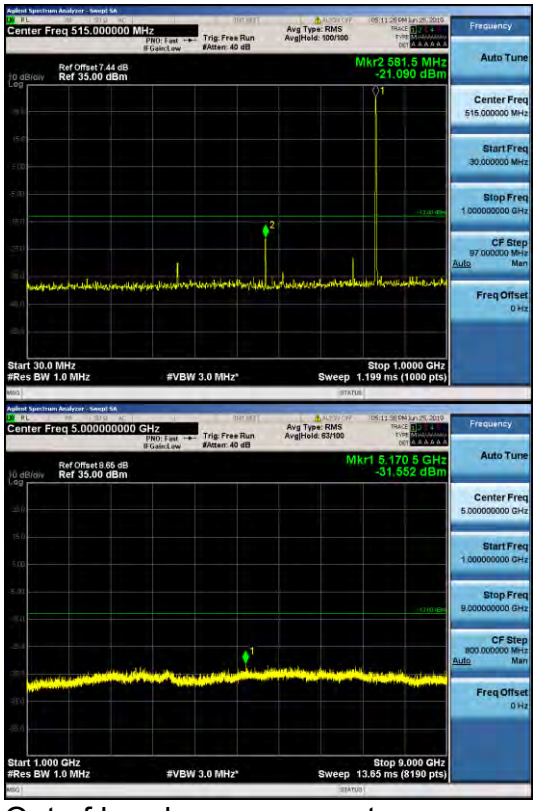




Out of band measurement
Test Band = GSM850
Test Mode = EDGE /TM2
Test Channel = LCH

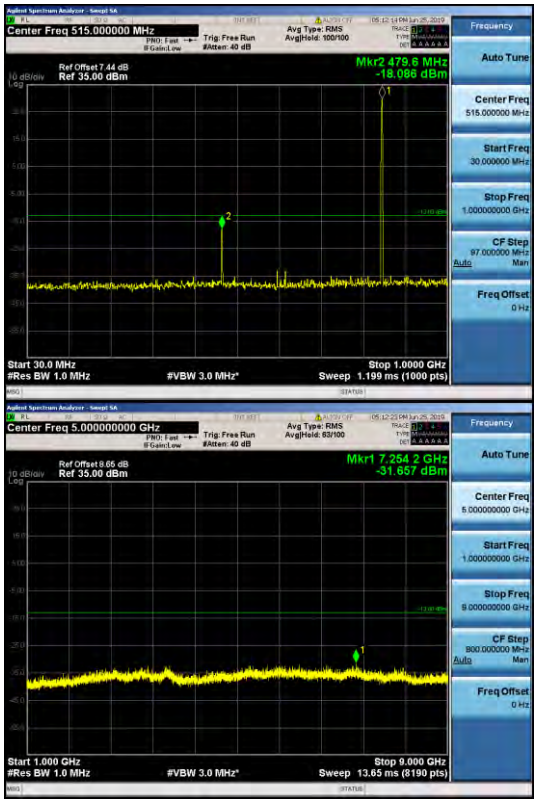


Out of band measurement
Test Band = GSM850
Test Mode = EDGE /TM2
Test Channel = MCH

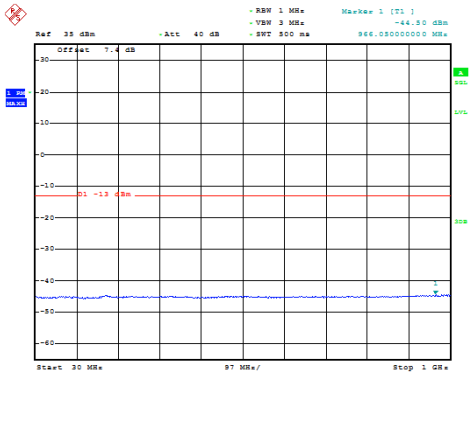


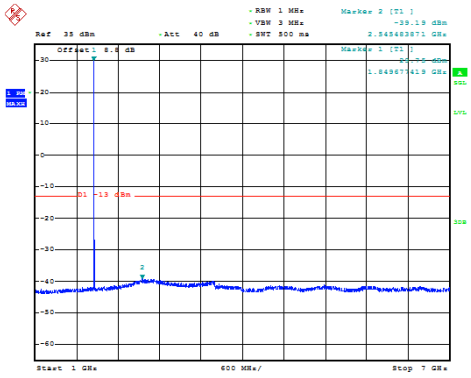
Out of band measurement

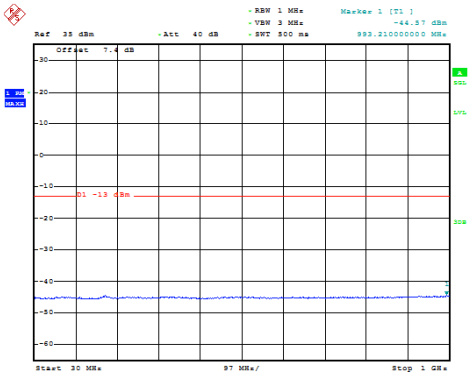
Test Band = GSM850
Test Mode = EDGE /TM2
Test Channel = HCH



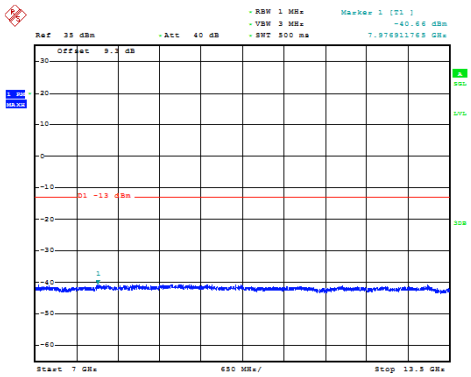
Out of band measurement
Test Band = GSM1900
Test Mode = GSM /TM1
Test Channel = LCH



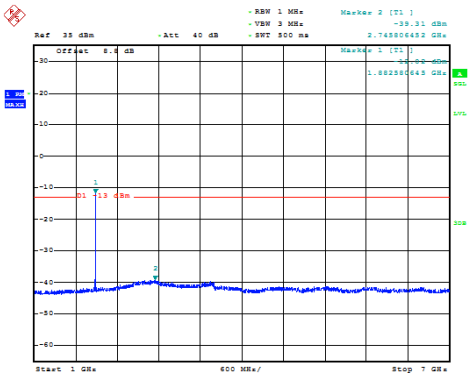




Date: 2.JUL.2019 16:44:57



Date: 2.JUL.2019 16:45:52



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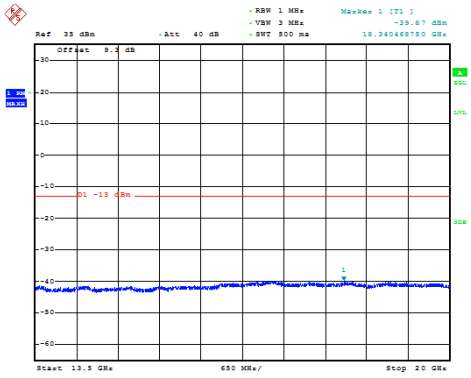
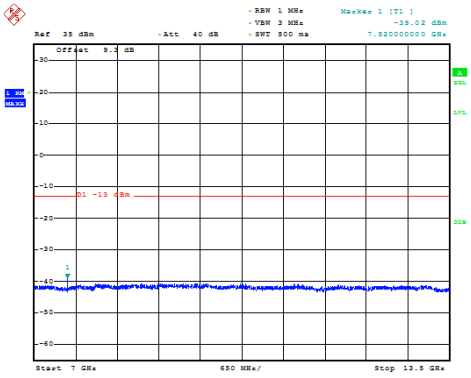


Date: 2.JUL.2019 16:46:03



Date: 2.JUL.2019 16:45:16

Out of band measurement
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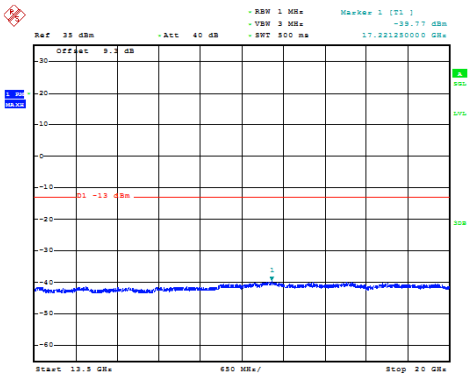
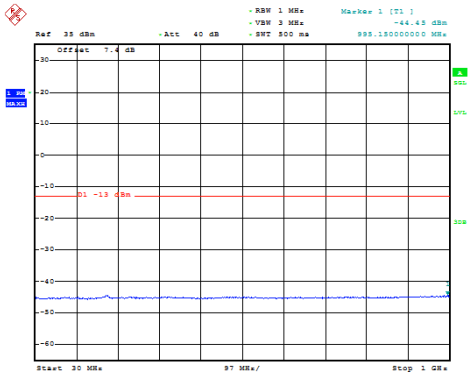
Test Mode = GSM /TM1
Test Channel = MCH

Date: 2.JUL.2019 16:46:13



Date: 2.JUL.2019 16:46:23

Out of band measurement
Test Band = GSM1900
Test Mode = GSM /TM1
Test Channel = HCH



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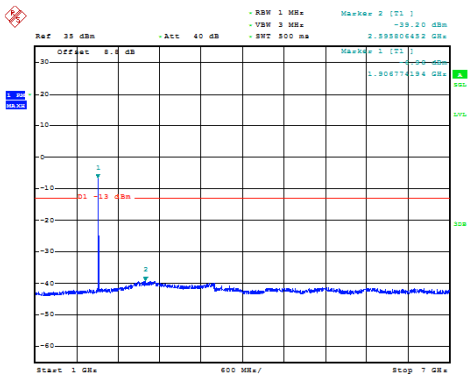

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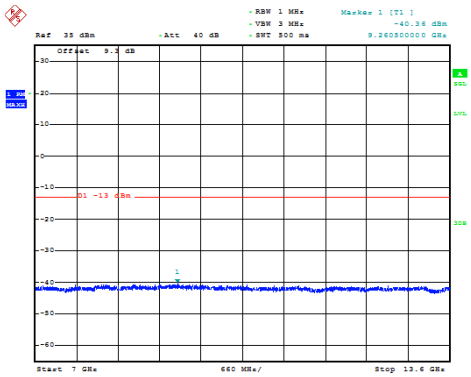

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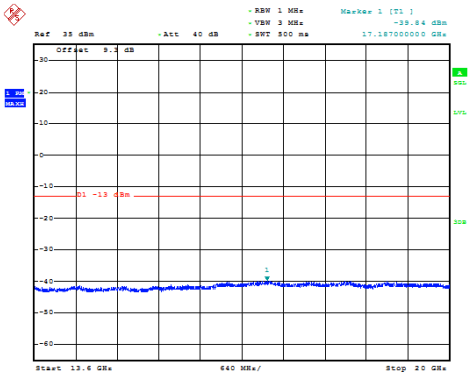
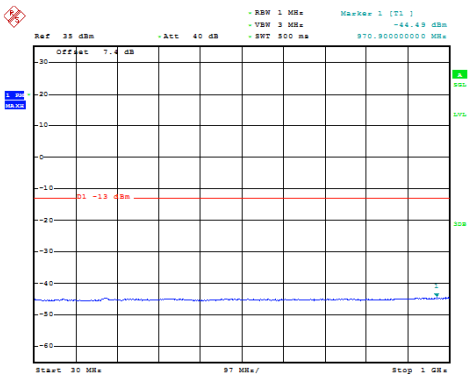


Date: 2.JUL.2019 17:05:43

Out of band measurement
Test Band = GSM1900
Test Mode = EDGE /TM2
Test Channel = LCH



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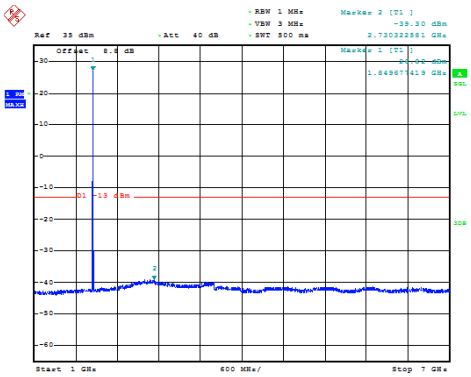

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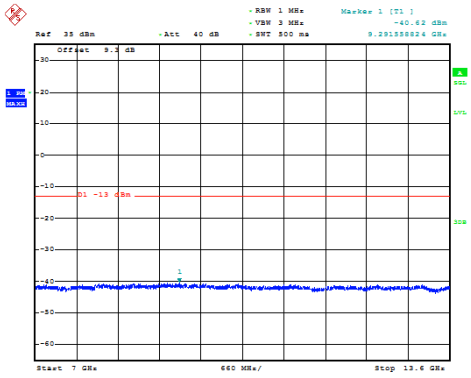

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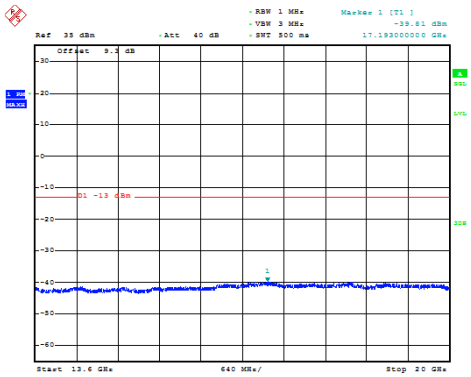
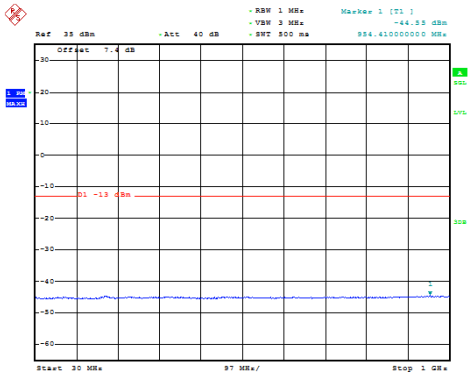


Date: 2.JUL.2019 17:17:53

Out of band measurement
Test Band = GSM1900
Test Mode = EDGE /TM2
Test Channel = MCH



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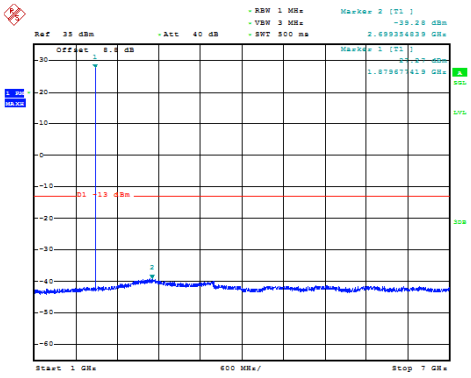

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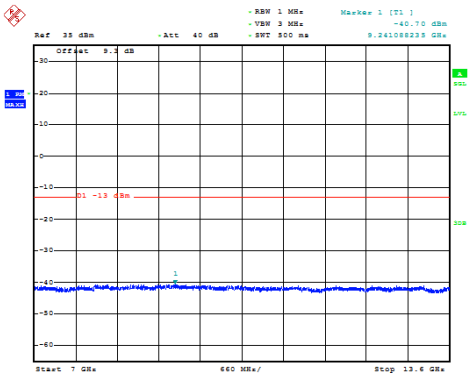

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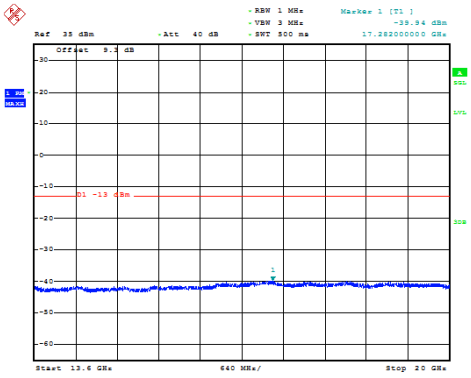

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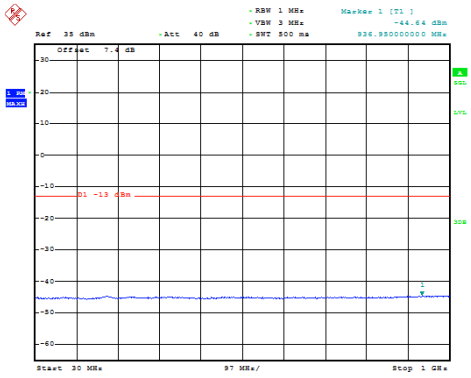
Out of band measurement
Test Band = GSM1900
Test Mode = EDGE /TM2
Test Channel = HCH



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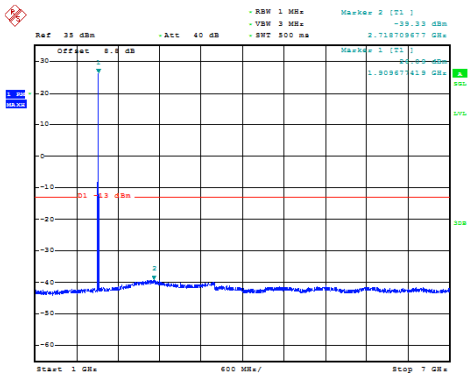
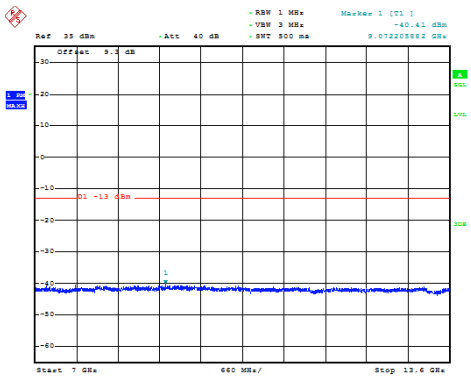


Date: 2.JUL.2019 17:19:43



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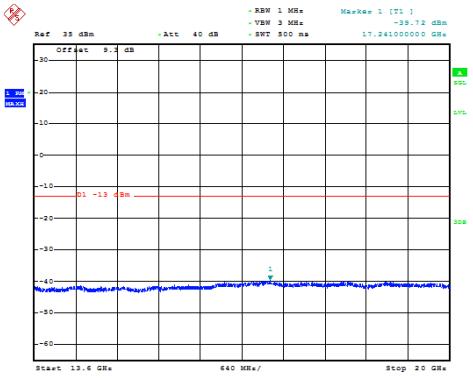
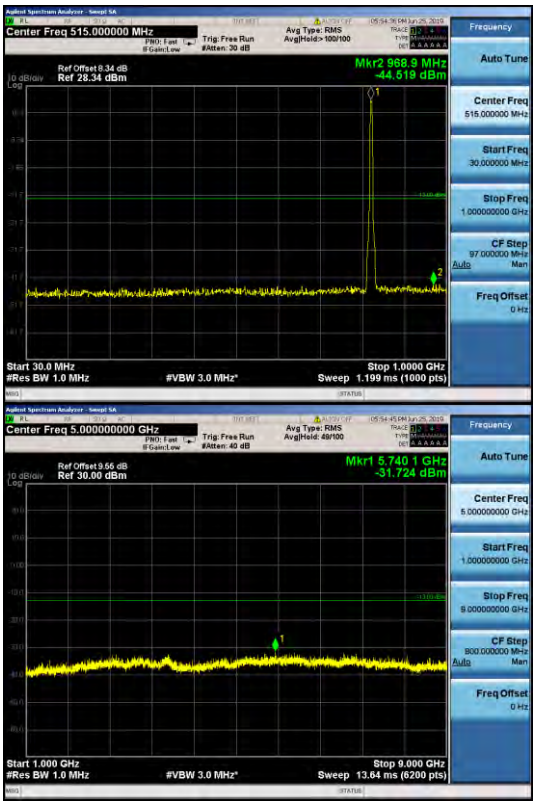
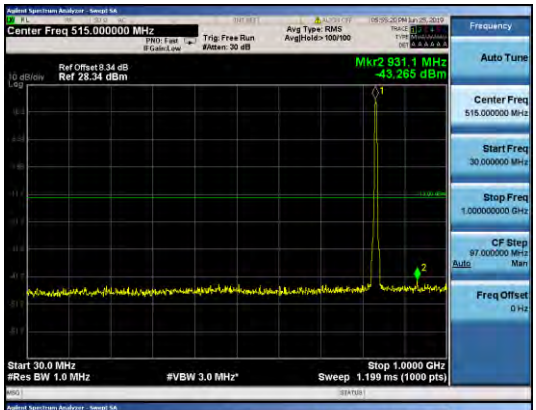


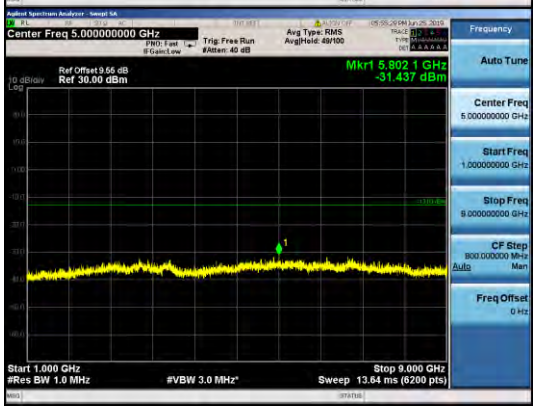
Date: 2.JUL.2019 17:20:01

Out of band measurement
Test Band = WCDMA850
Test Mode = UMTS/TM3
Test Channel = LCH



Out of band measurement
Test Band = WCDMA850
Test Mode = UMTS/TM3
Test Channel = MCH





Out of band measurement
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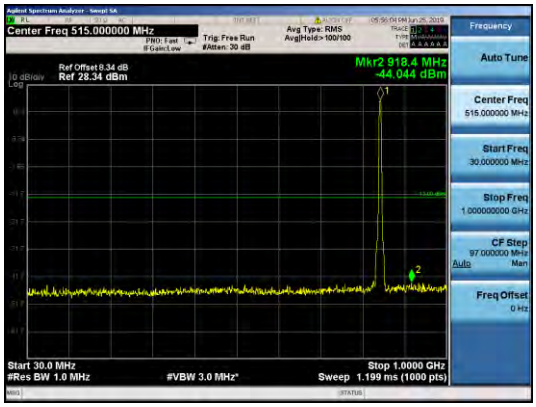
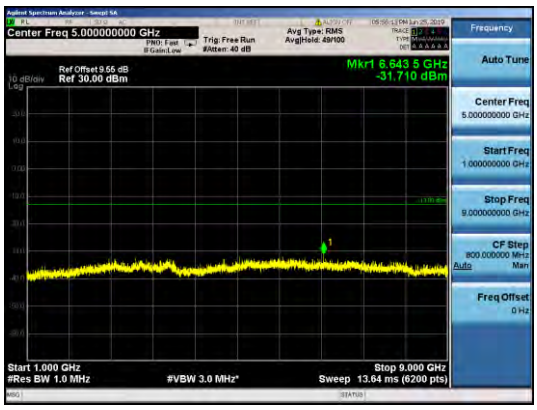
Test Mode = UMTS/TM3
Test Channel = HCH





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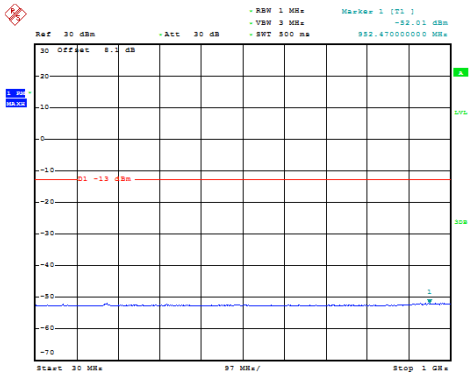
Test Mode=UMTS/TM3
Test
Channel=LCH



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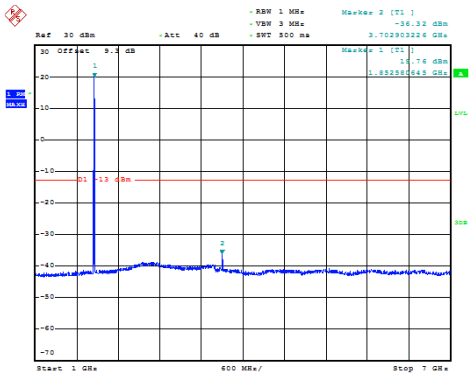
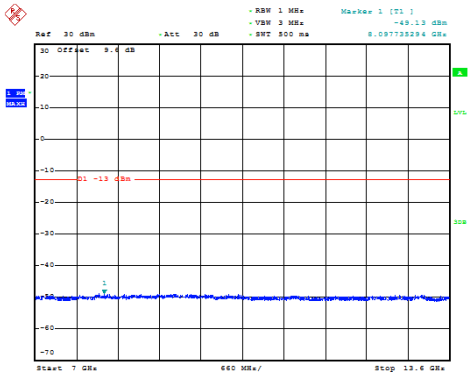


Date: 2.JUL.2019 15:44:00



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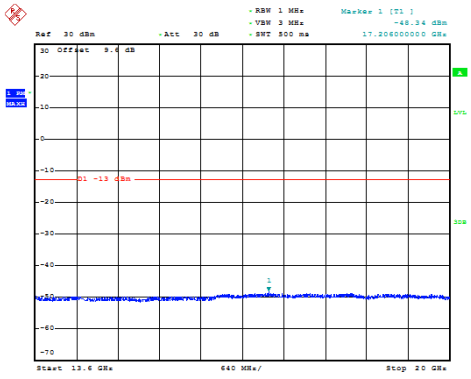
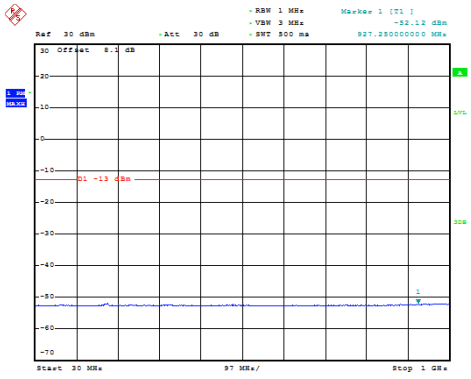


Date: 2.JUL.2019 15:44:16

Test Band=WCDMA1900
Test Mode=UMTS/TM3
Test
Channel=MCH



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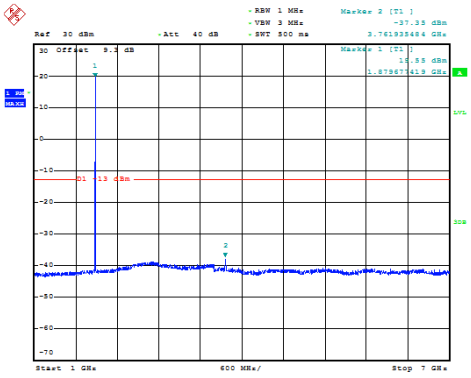

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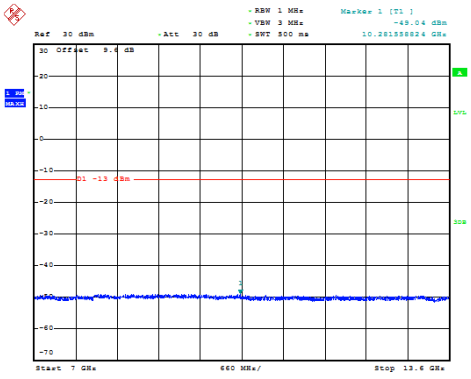

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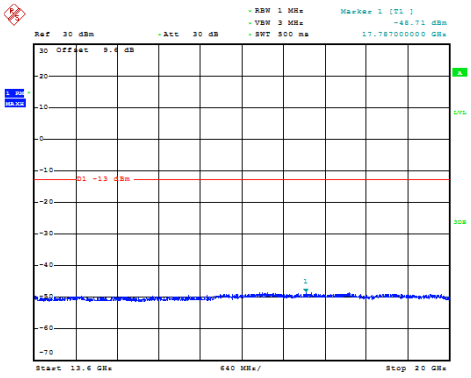
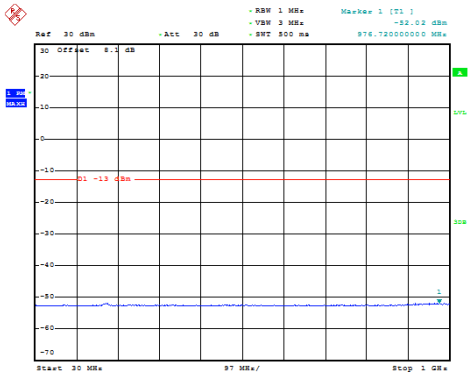
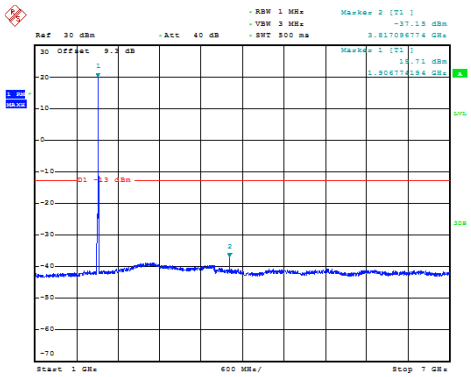


Date: 2.JUL.2019 15:45:24

Test Band=WCDMA1900
Test Mode=UMTS/TM3
Test
Channel=HCH



Date: 2.JUL.2019 15:46:05



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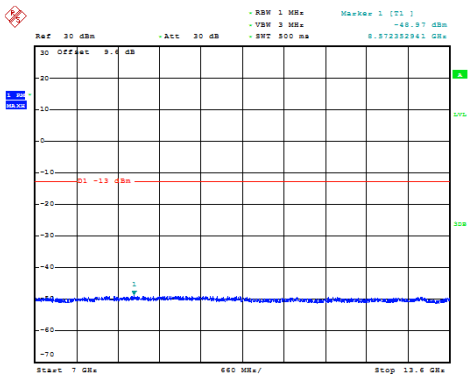
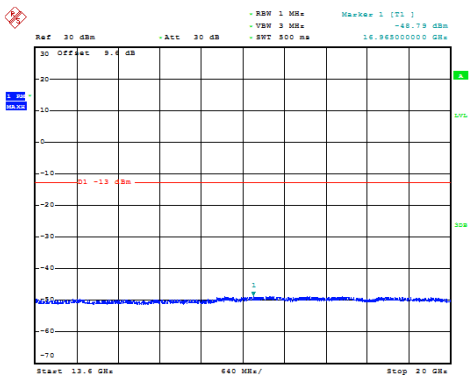
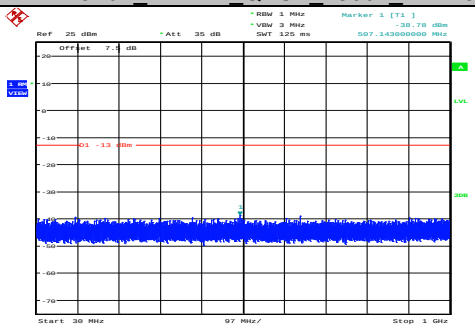


Date: 2.JUL.2019 15:46:23



Date: 2.JUL.2019 15:46:31

LTE Band 2:

Band2_1.4MHz_QPSK_18607_1RB#0

Date: 3.JUL.2019 16:05:55

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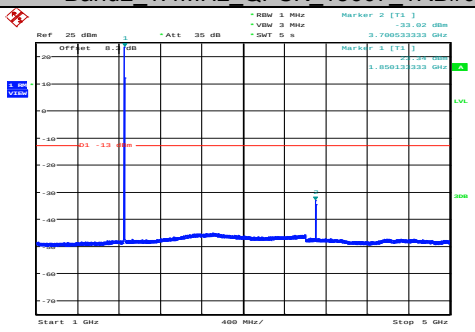
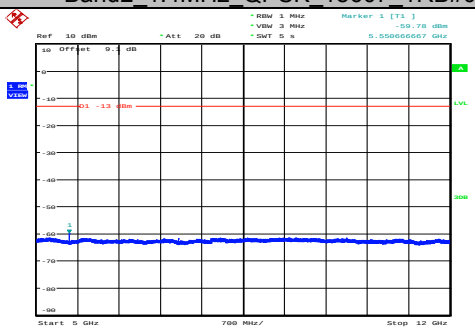

Date: 3.JUL.2019 16:06:19

Band2_1.4MHz_QPSK_18607_1RB#0

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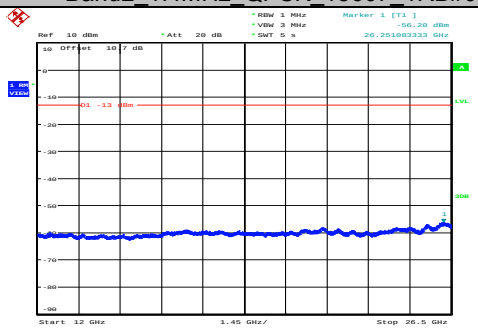

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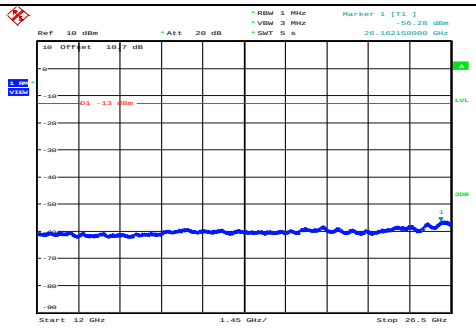

Date: 3.JUL.2019 16:10:38

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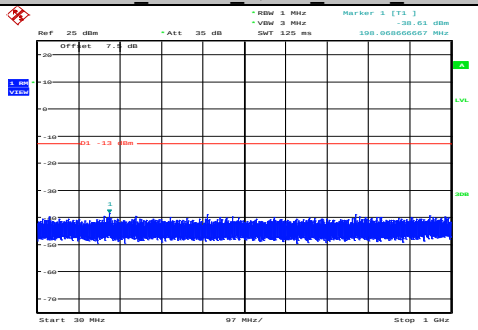

Date: 3.JUL.2019 16:09:28

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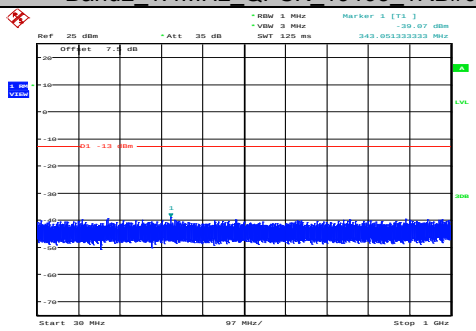

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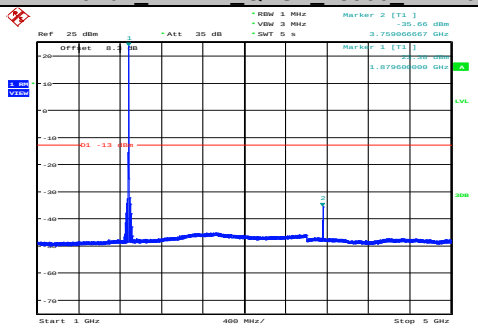

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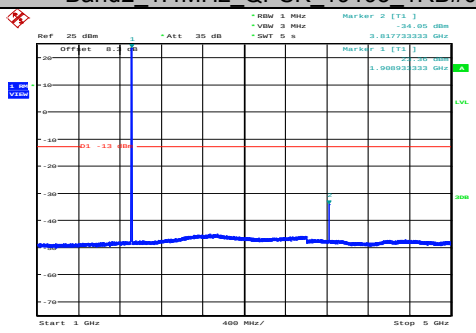

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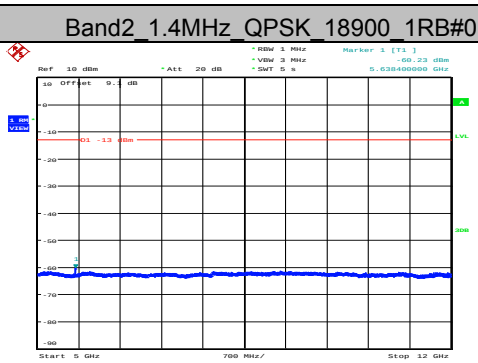

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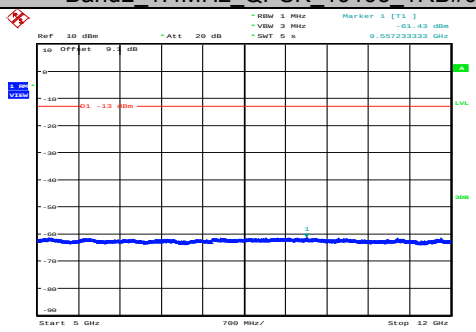

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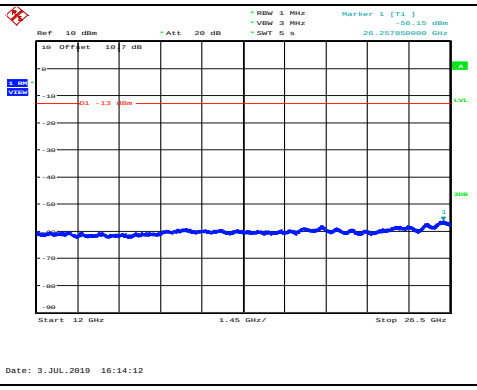
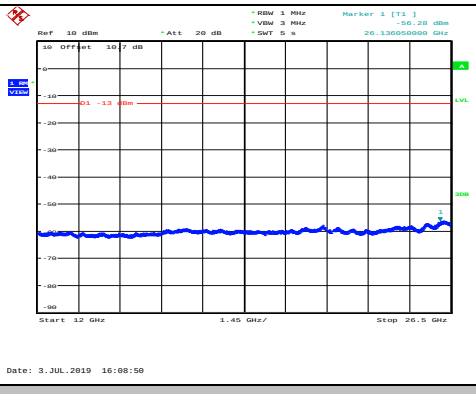
Band2_1.4MHz_QPSK_19193_1RB#0

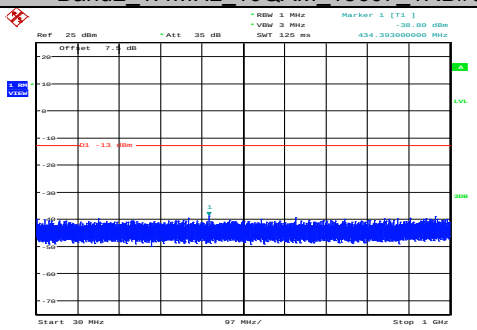
Band2_1.4MHz_QPSK_18900_1RB#0



Band2_1.4MHz_16QAM_18900_1RB#0



Band2_1.4MHz_16QAM_18607_1RB#0



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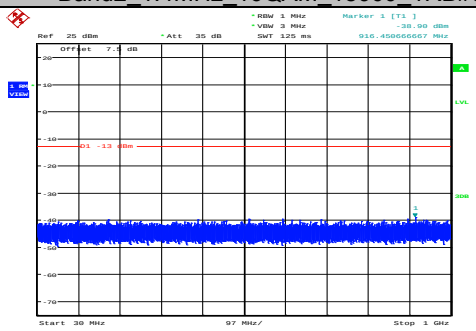

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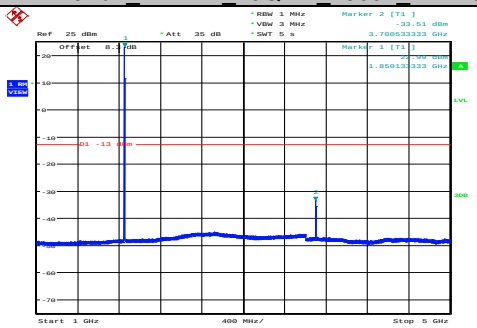

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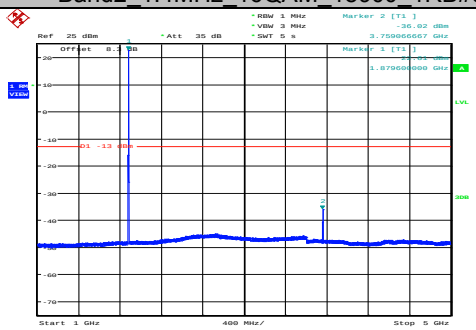

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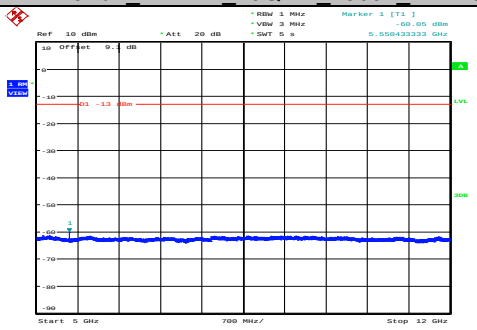
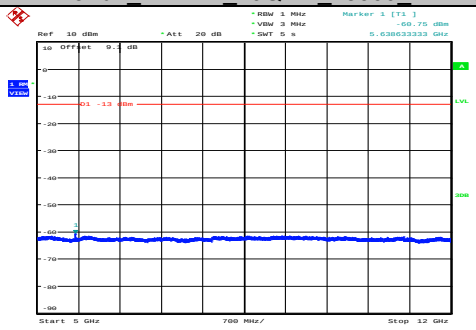
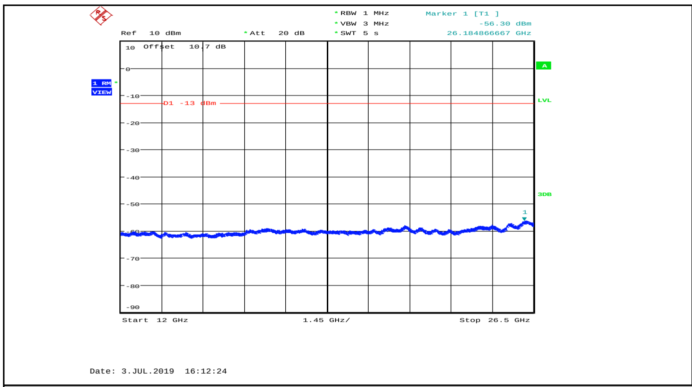


Band2_1.4MHz_16QAM_18900_1RB#0



Band2_1.4MHz_16QAM_18607_1RB#0



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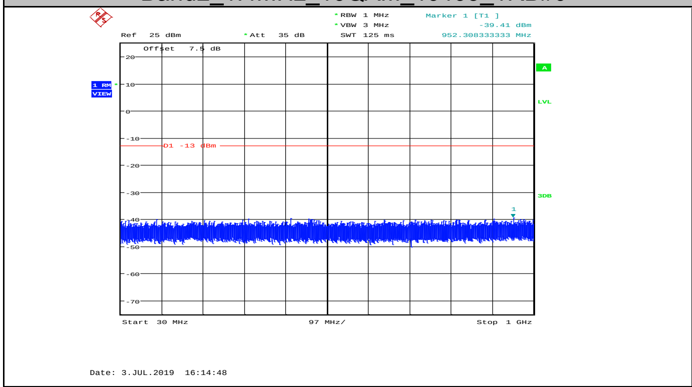

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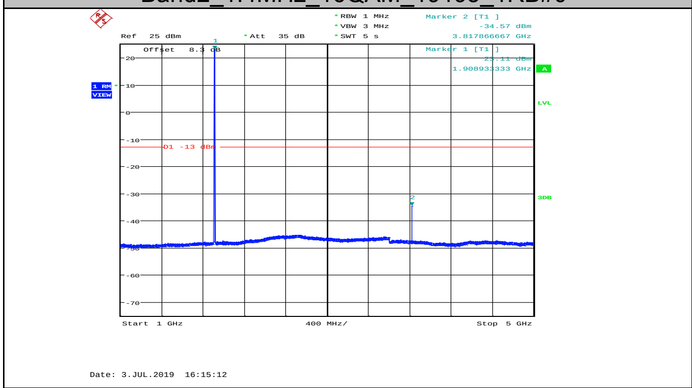

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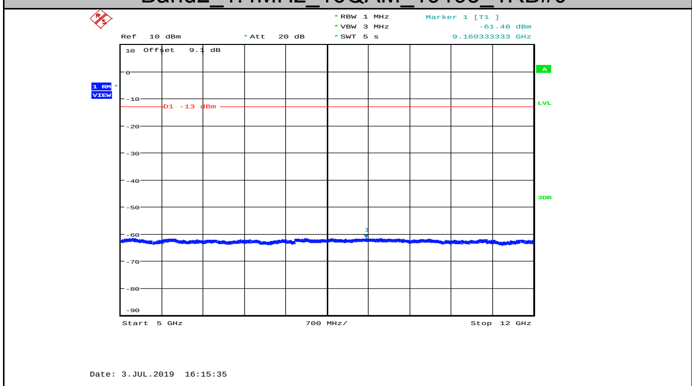

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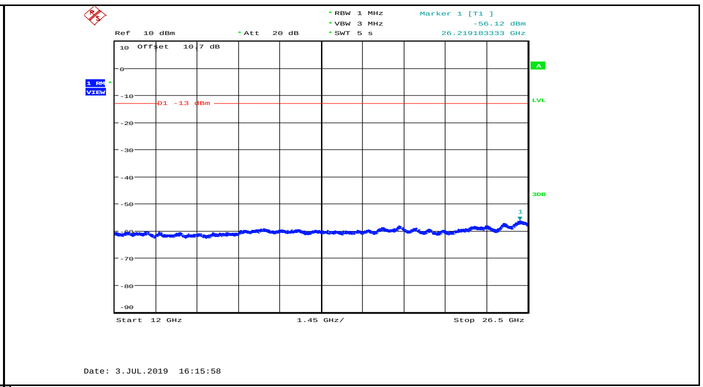

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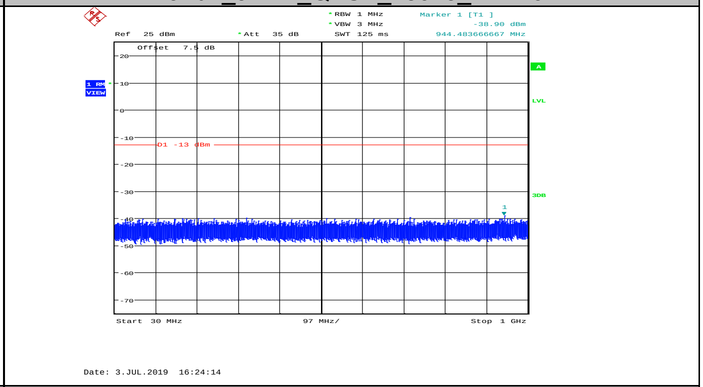

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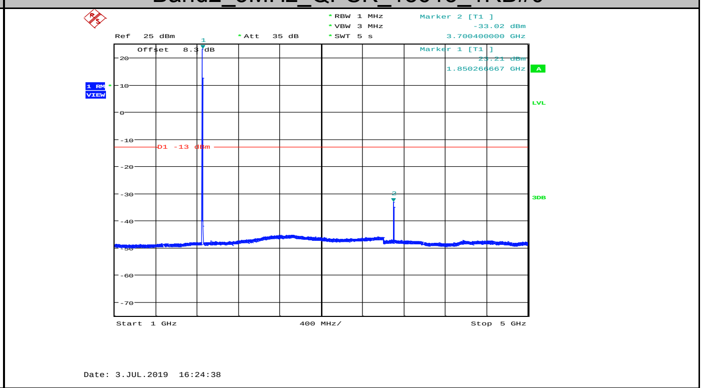

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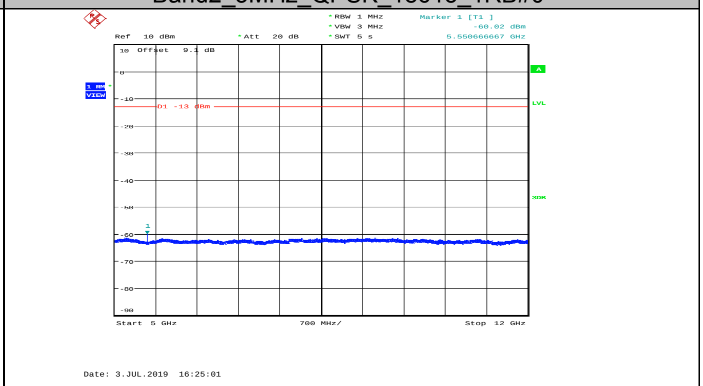

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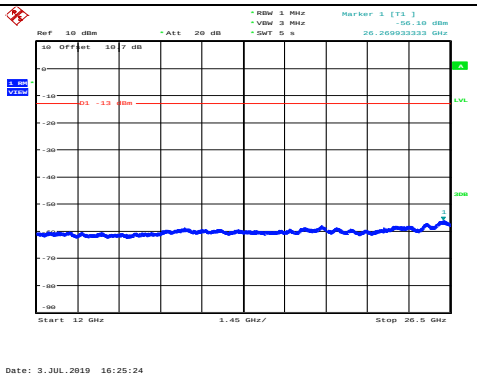

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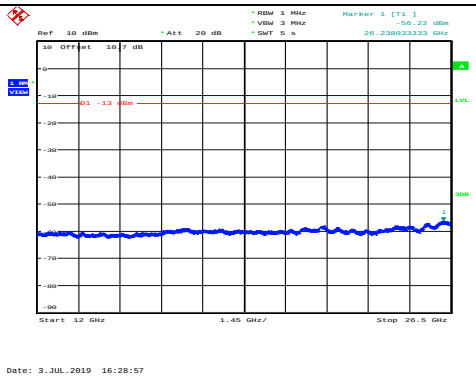

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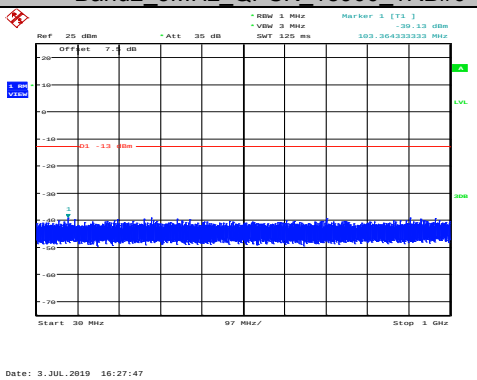

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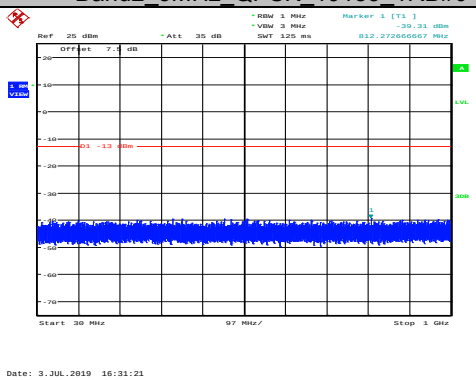

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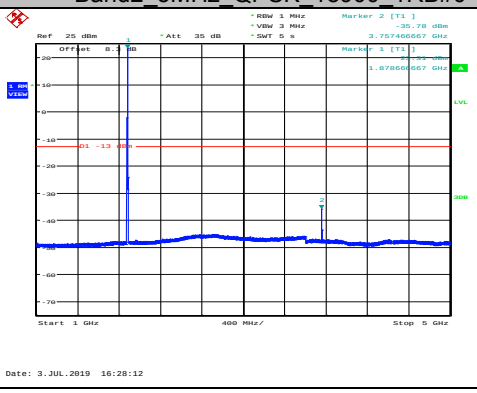

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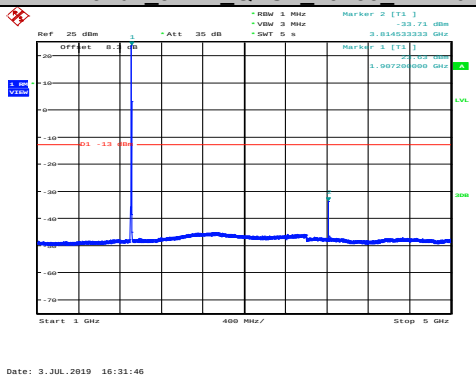

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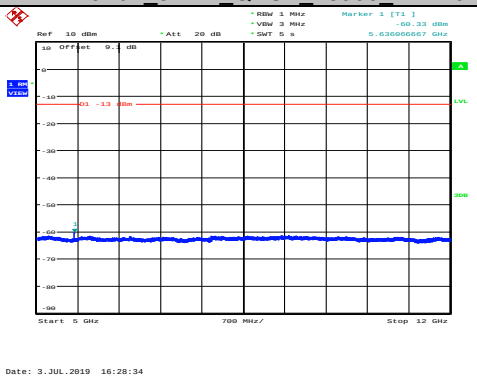

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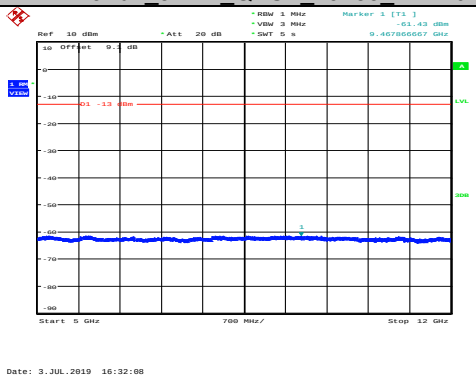

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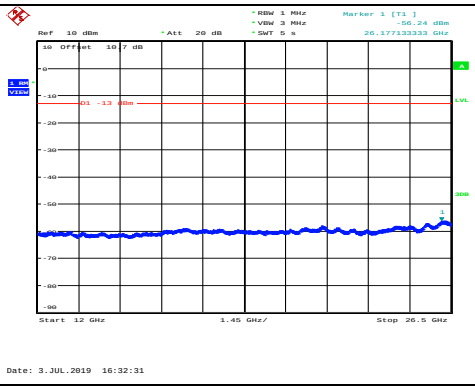
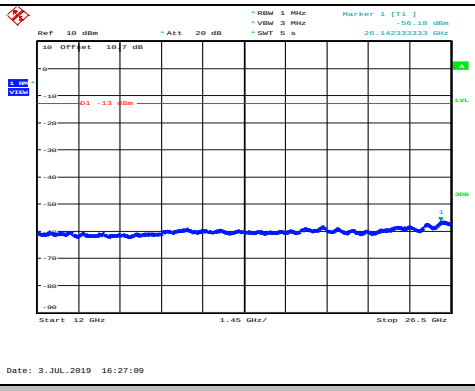
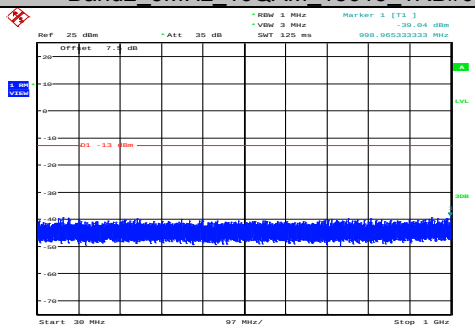
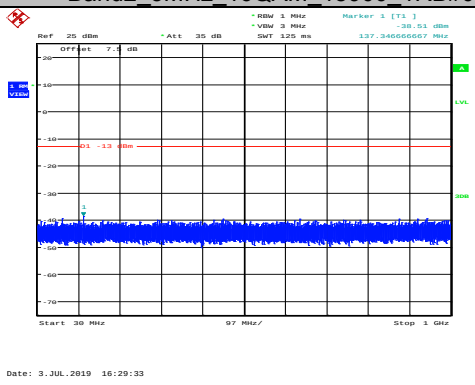




Band2_3MHz_16QAM_18900_1RB#0

Band2_3MHz_16QAM_18615_1RB#0





Band2_3MHz_16QAM_18900_1RB#0

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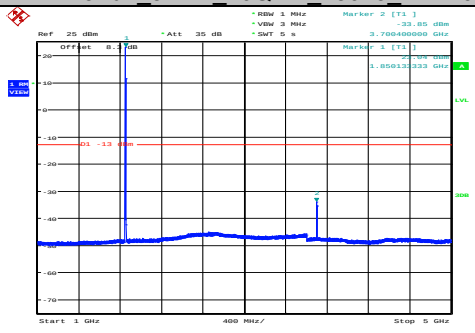
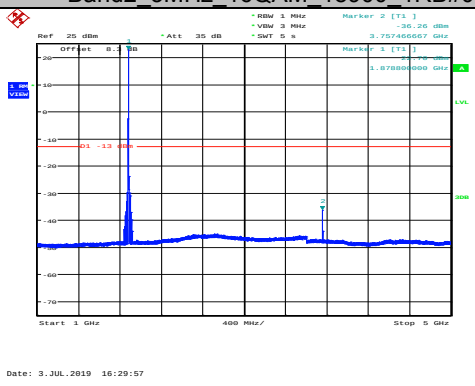
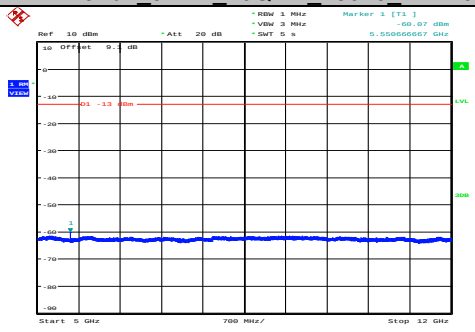
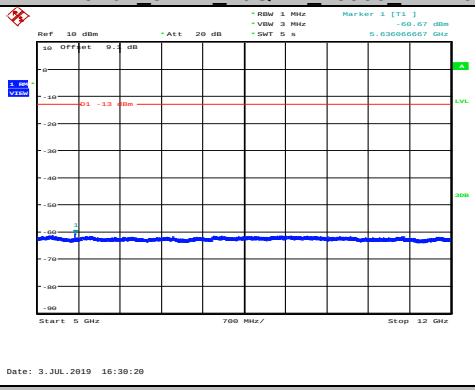




Band2_3MHz_16QAM_18615_1RB#0

Band2_3MHz_16QAM_18900_1RB#0





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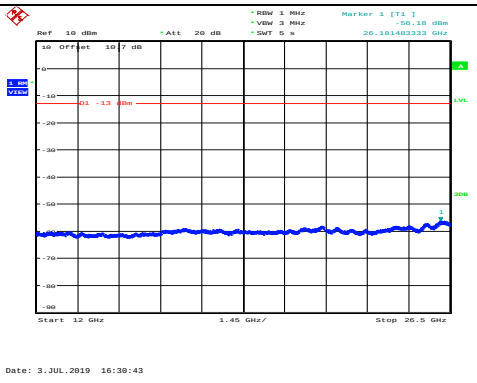

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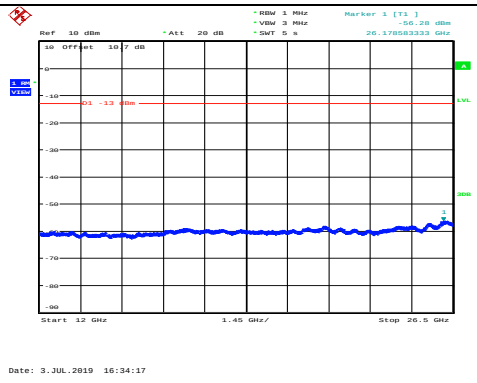

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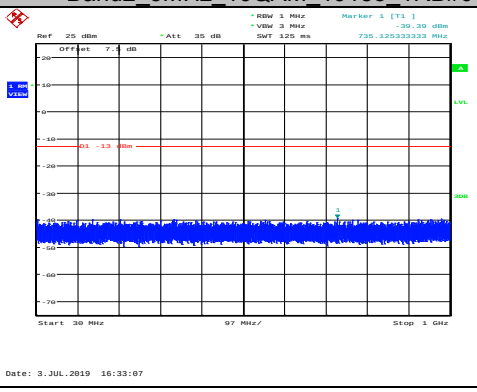

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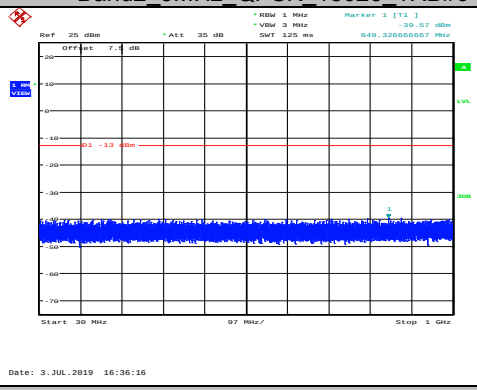

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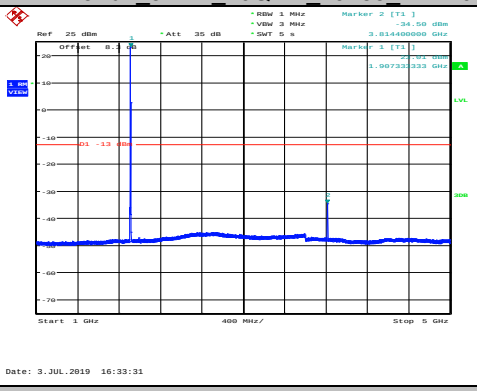

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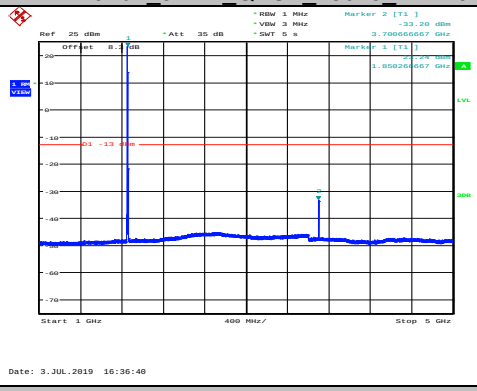
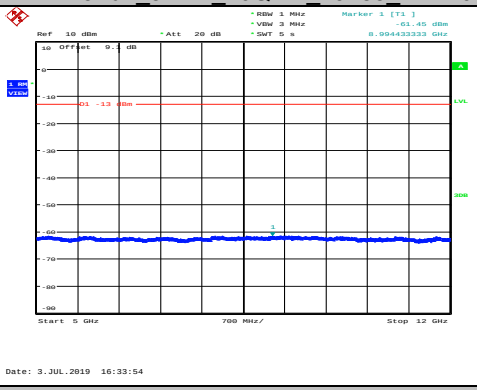
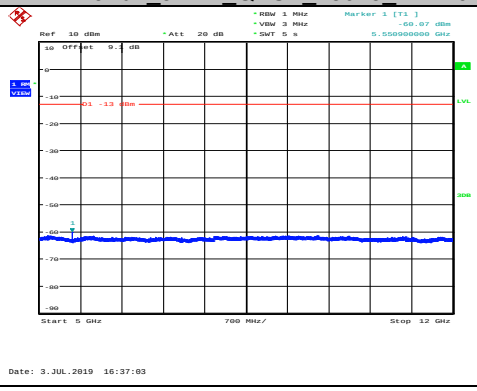


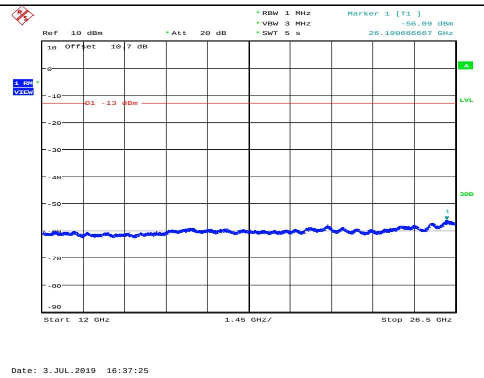
Band2_5MHz_QPSK_18625_1RB#0



Band2_3MHz_16QAM_19185_1RB#0



Band2_5MHz_QPSK_18625_1RB#0



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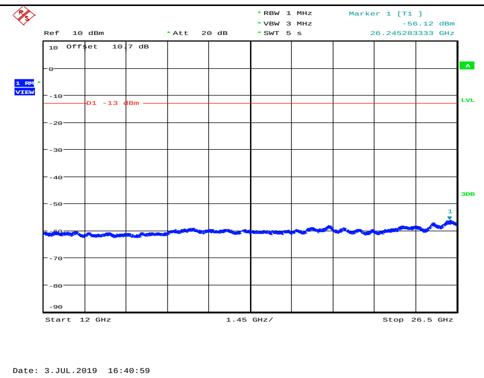
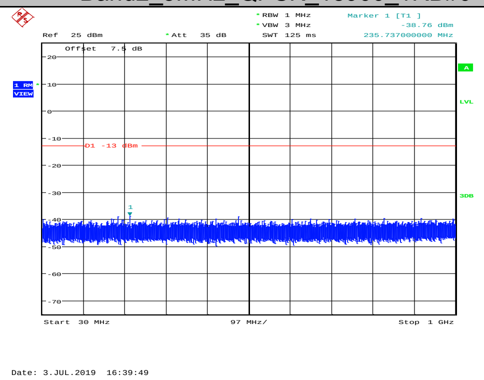
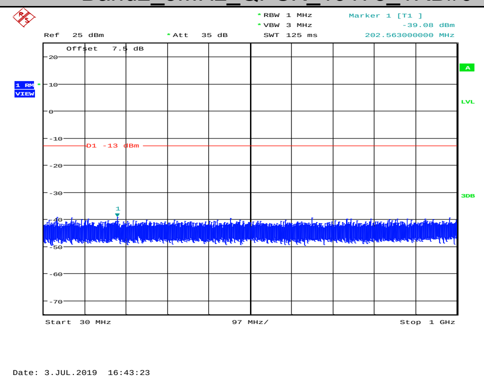


Band2_5MHz_QPSK_19175_1RB#0



Band2_5MHz_QPSK_18900_1RB#0



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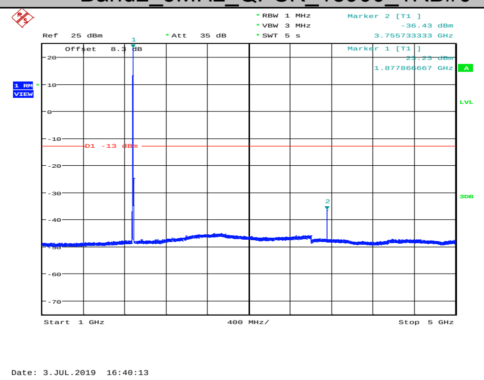

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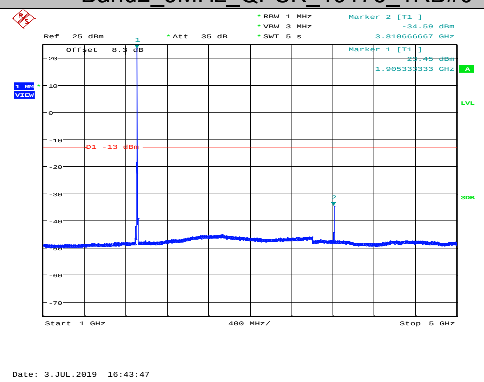

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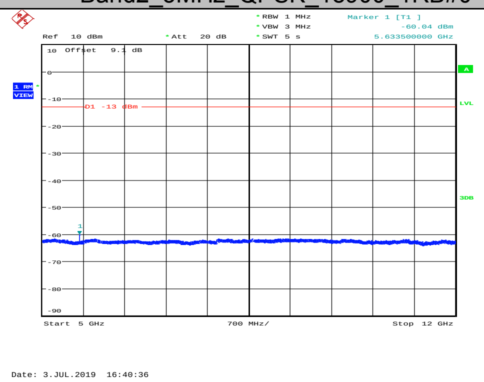
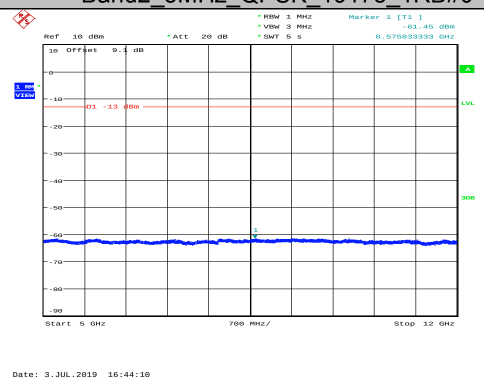


Band2_5MHz_QPSK_18900_1RB#0



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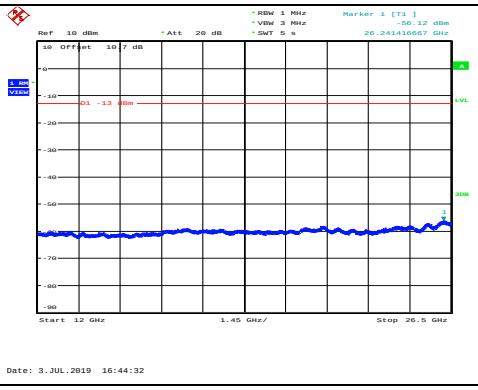

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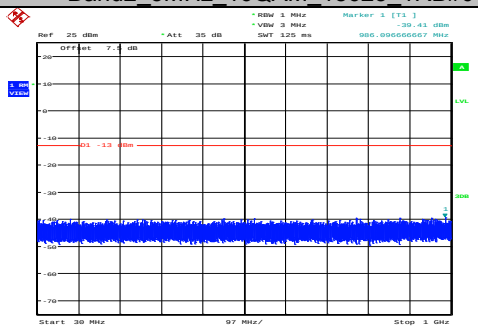

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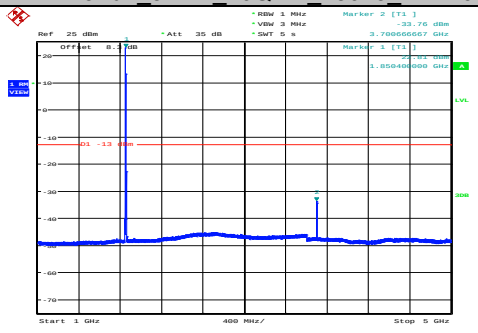

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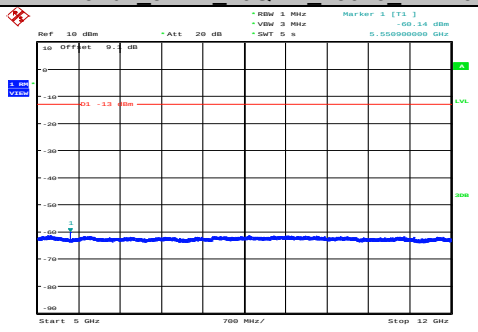

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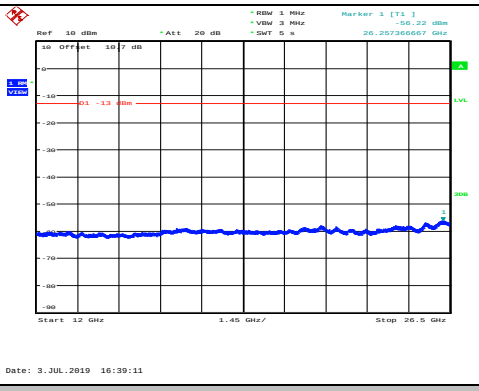

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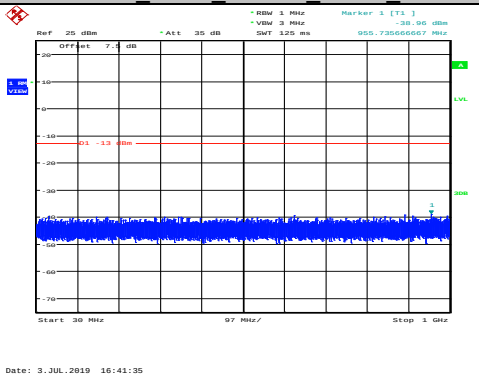

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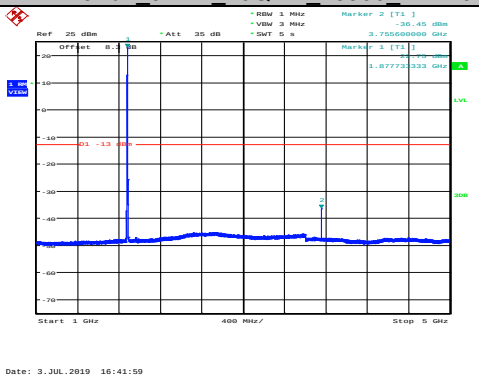

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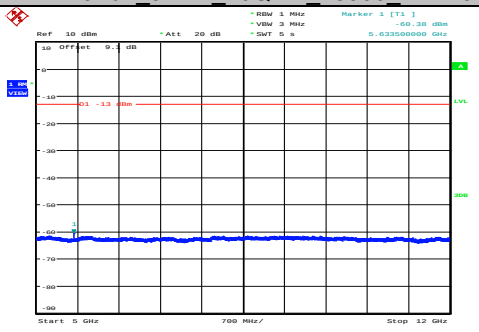

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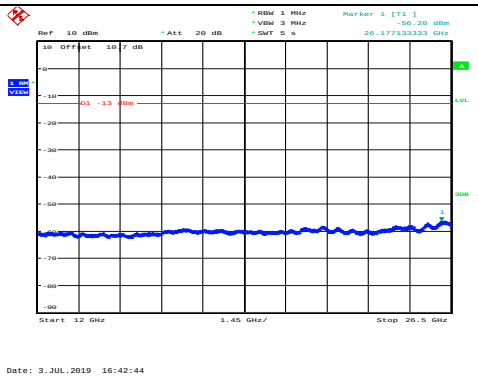

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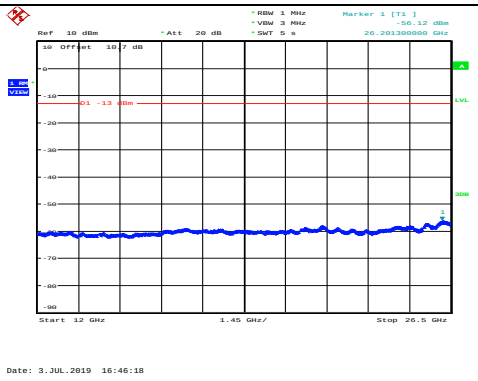

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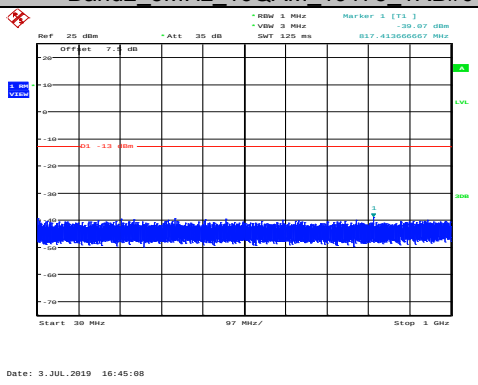

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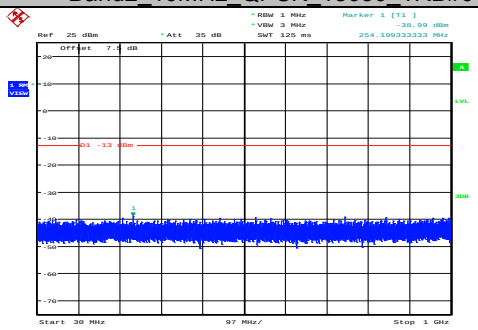

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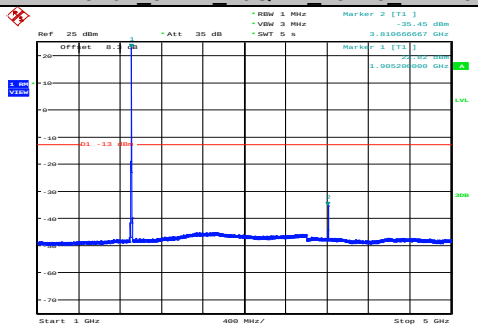

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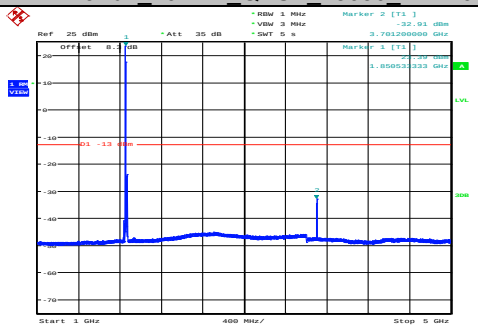

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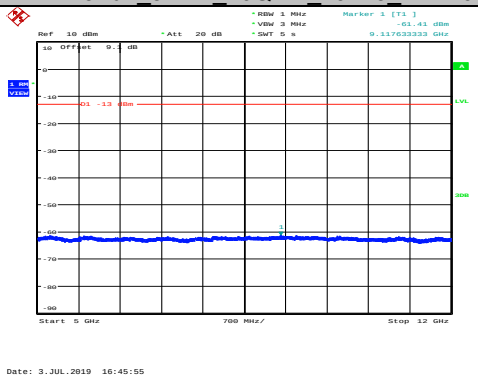

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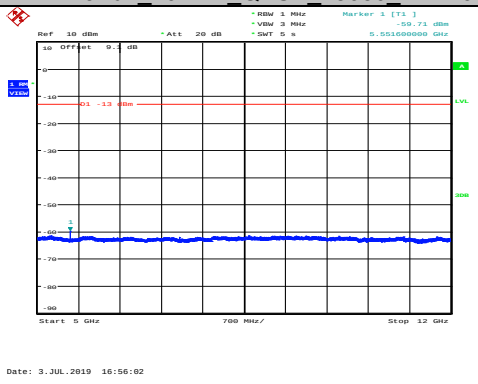

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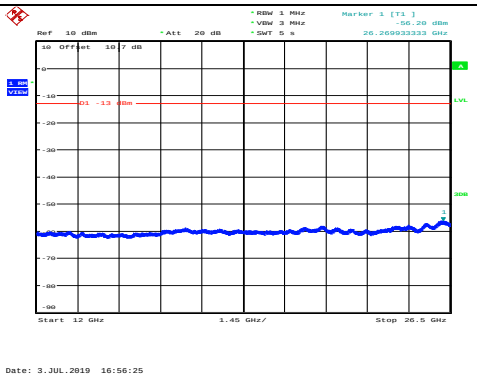

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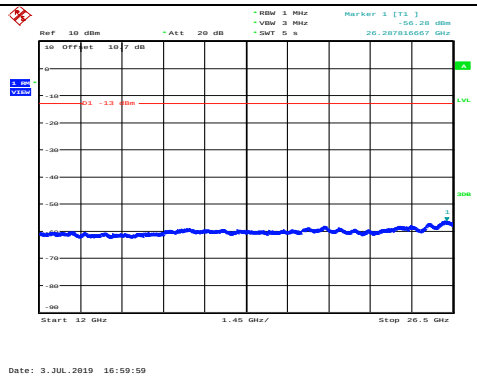

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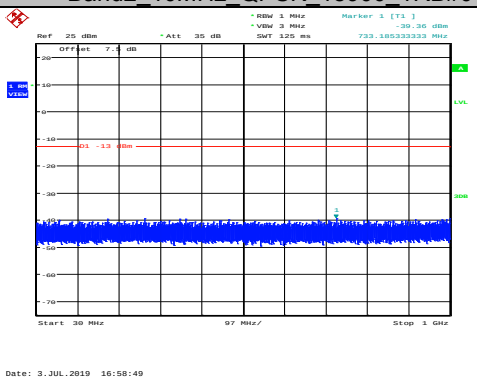

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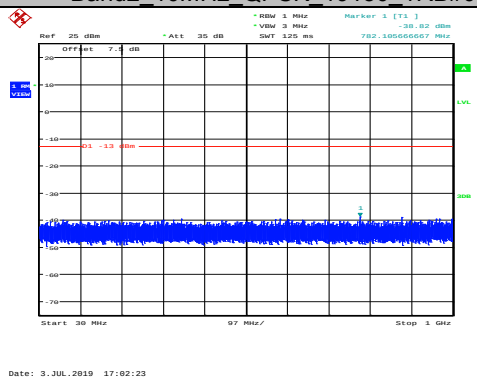

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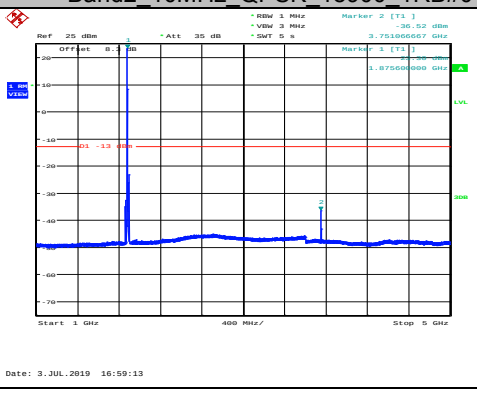

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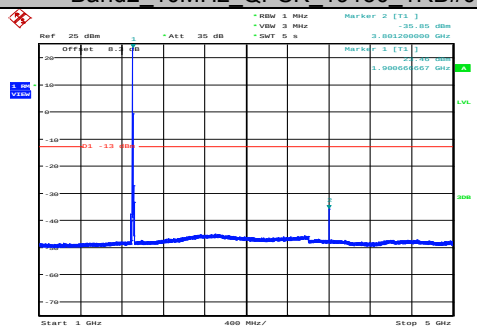

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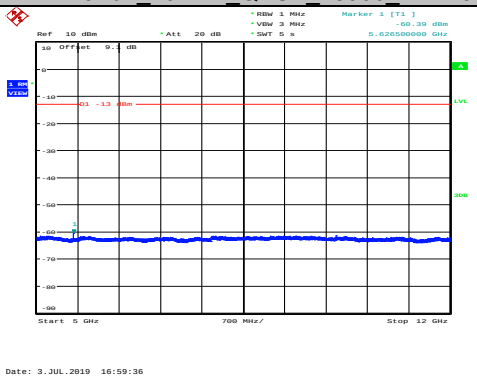

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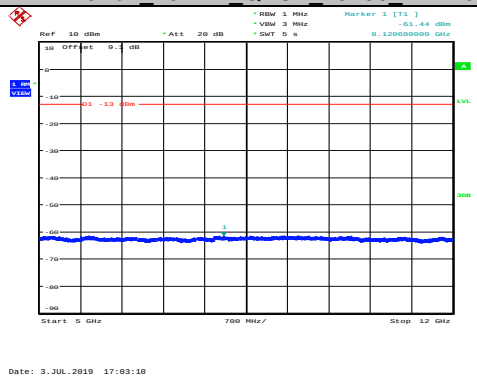

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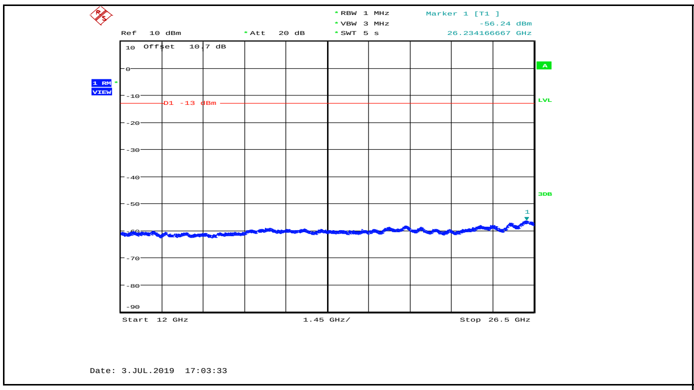

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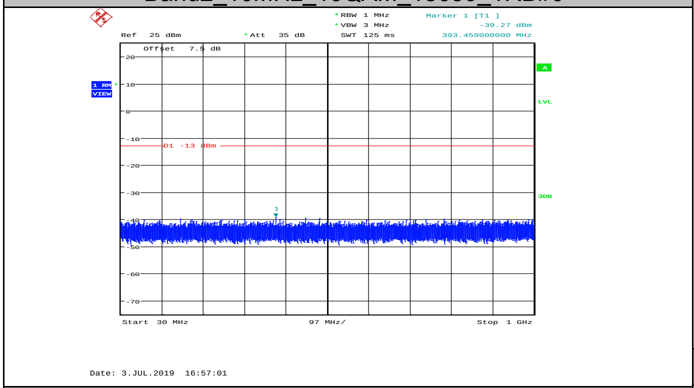

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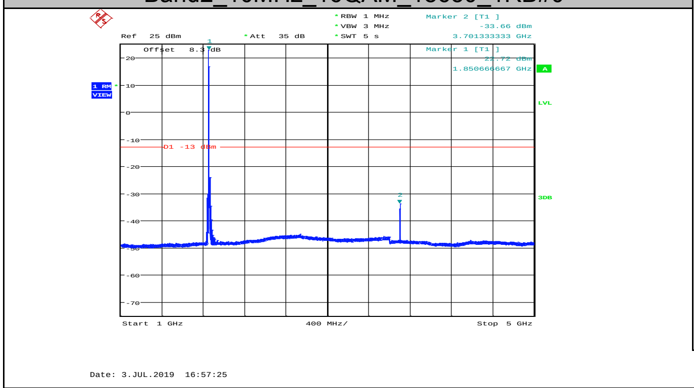

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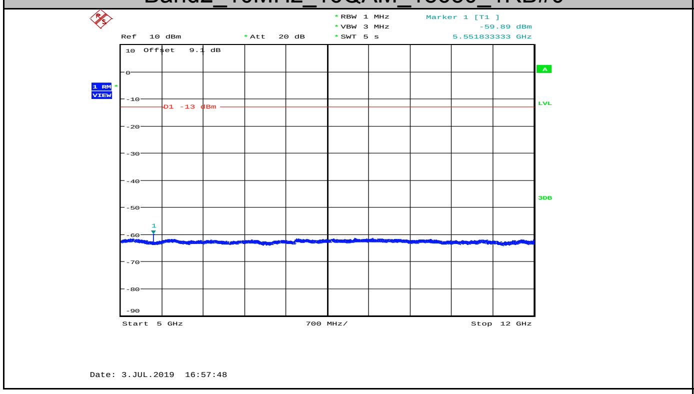

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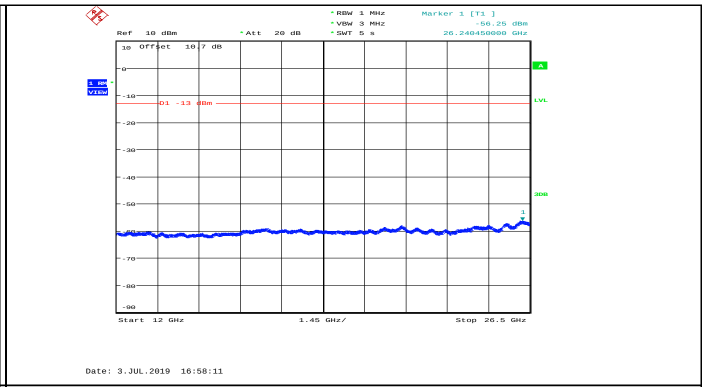

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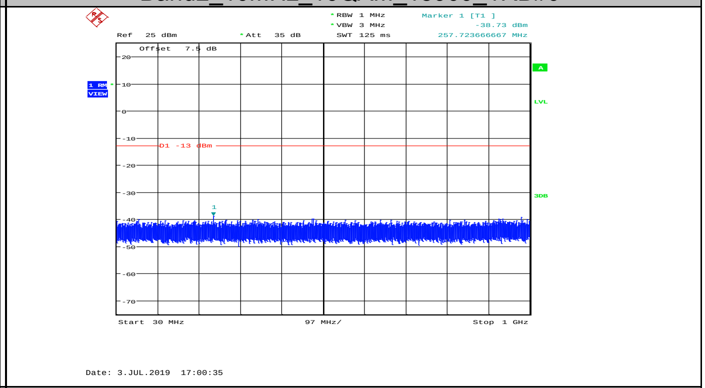

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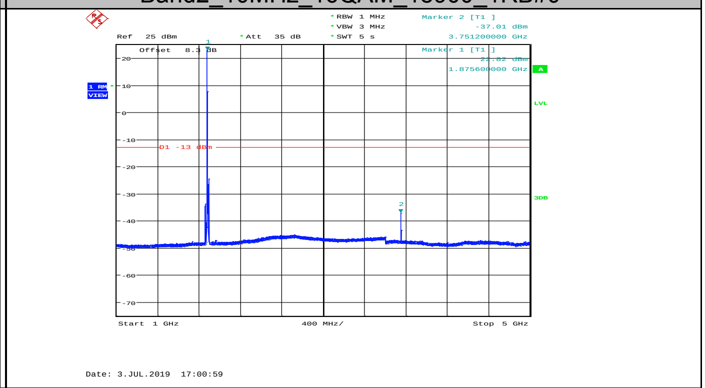

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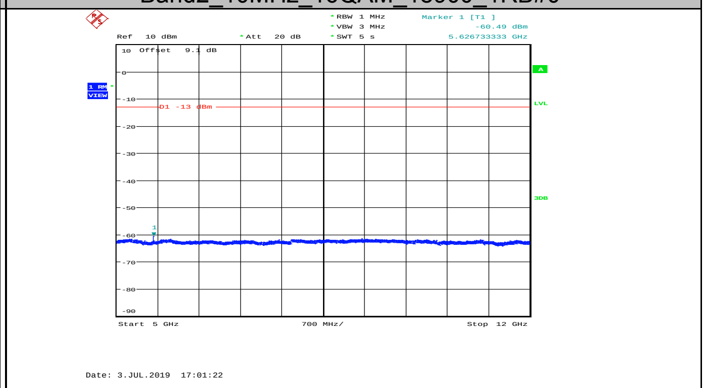

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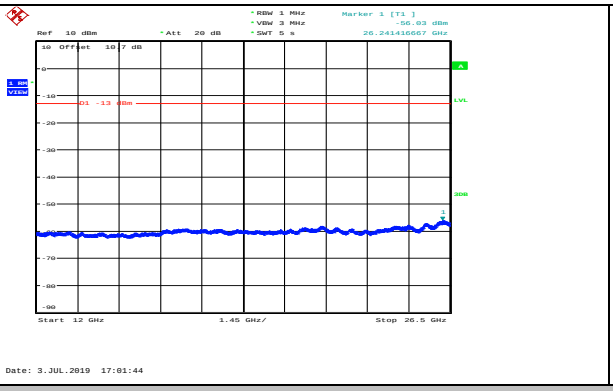

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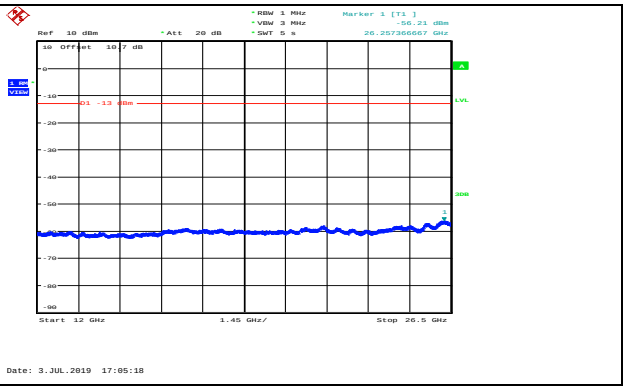
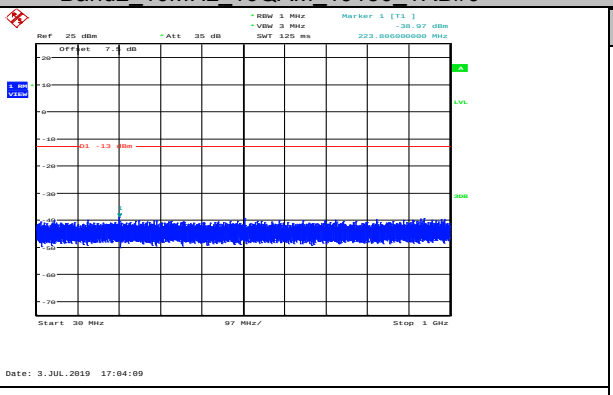


Band2_15MHz_QPSK_18675_1RB#0



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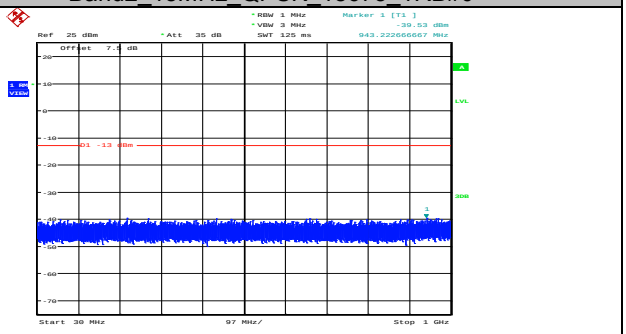

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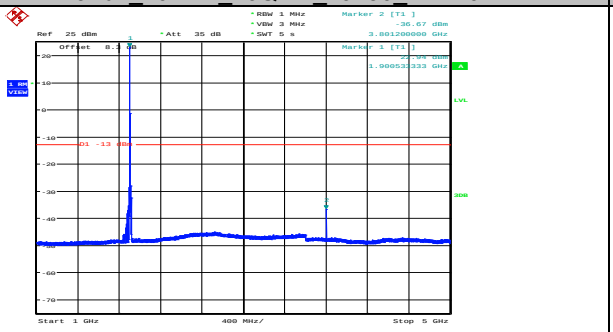

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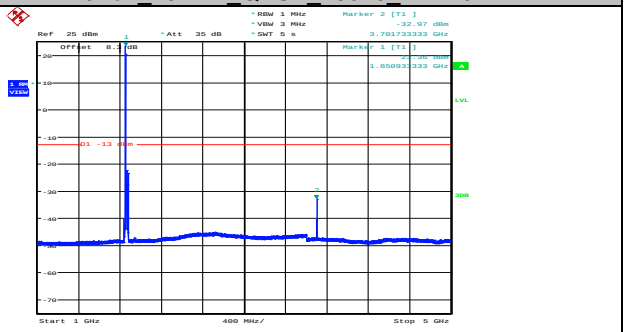

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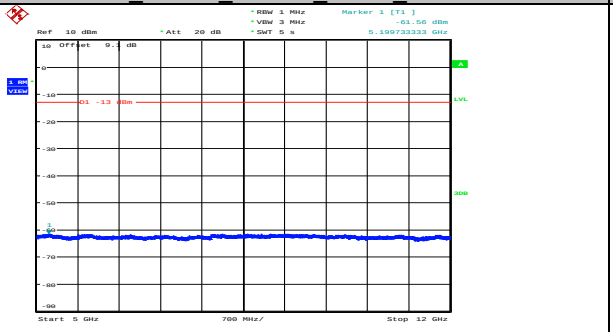

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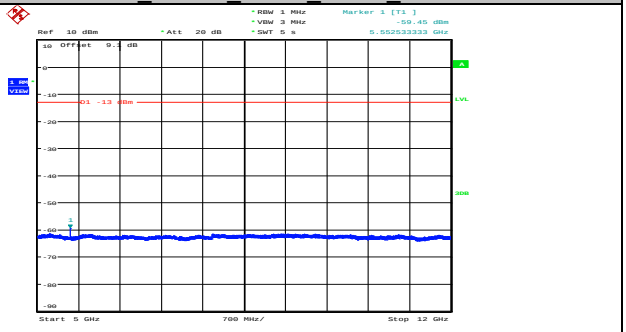

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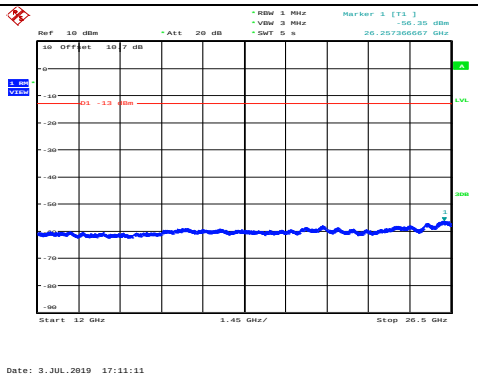

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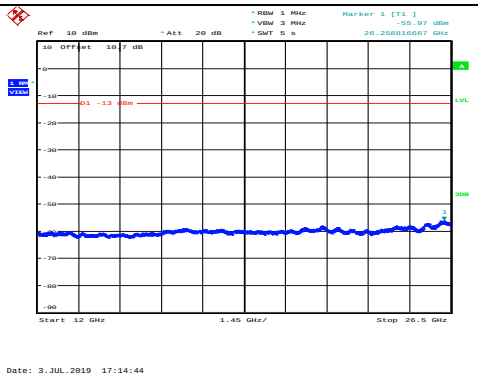

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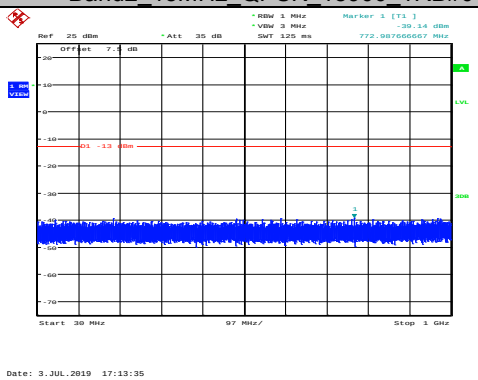

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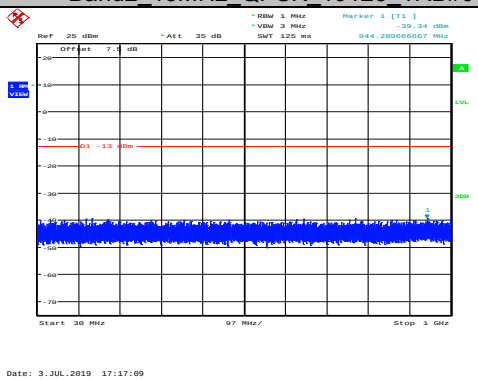

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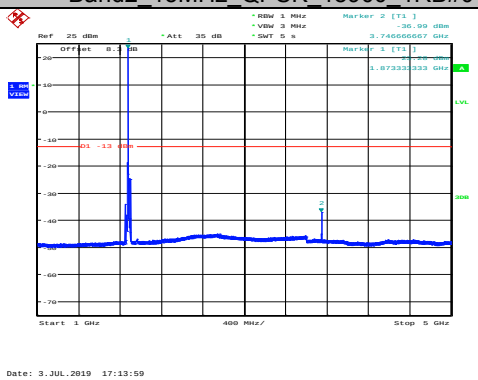

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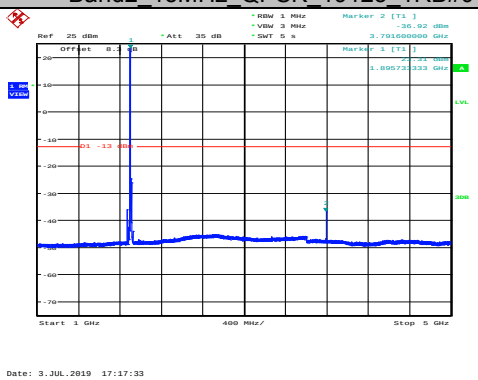

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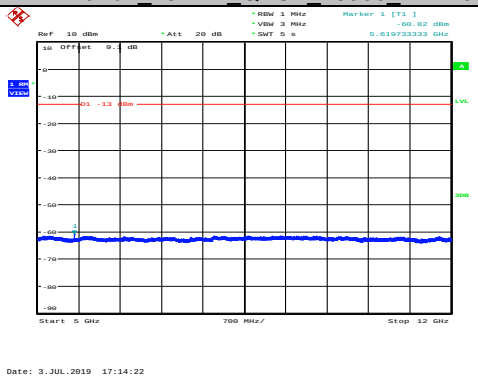

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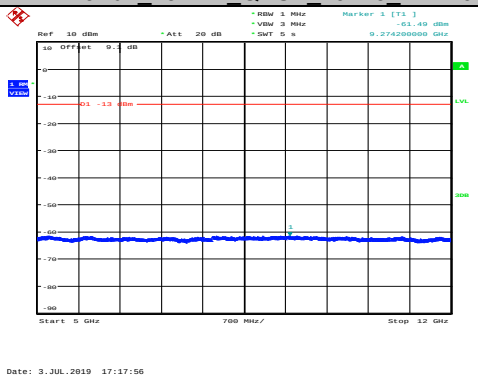

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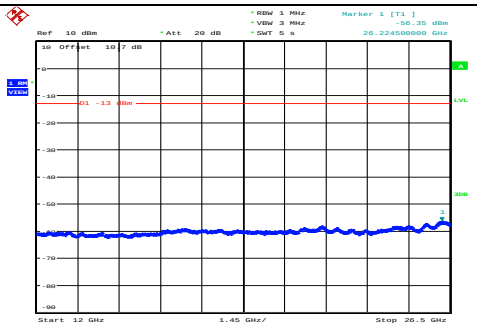
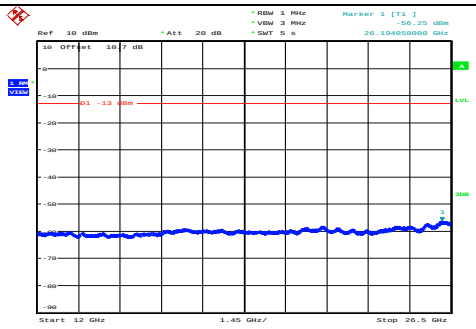


Band2_15MHz_16QAM_18900_1RB#0



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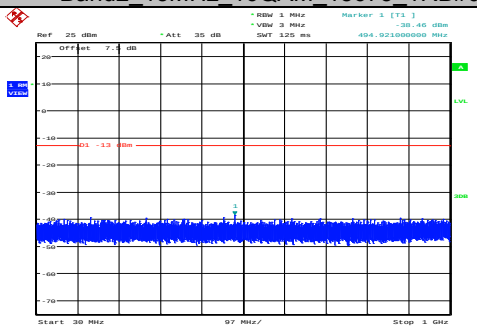

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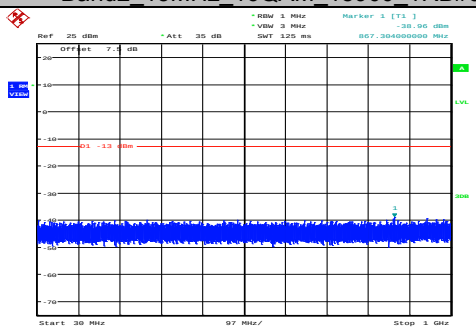

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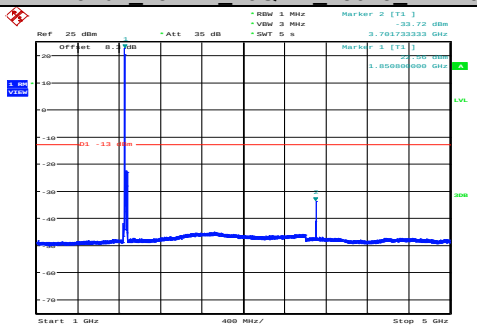

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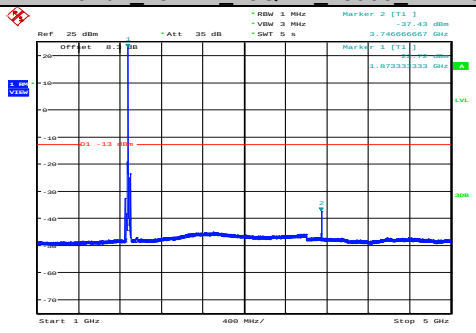

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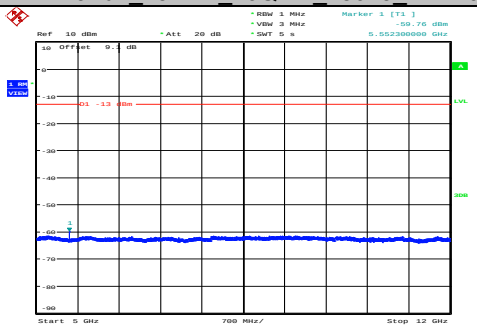
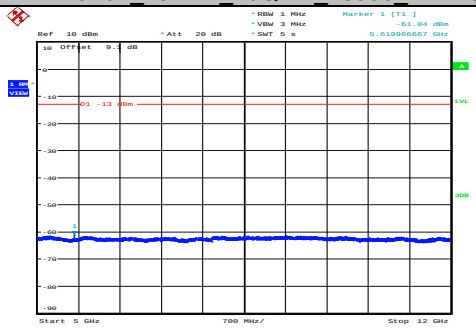


Band2_15MHz_16QAM_18900_1RB#0



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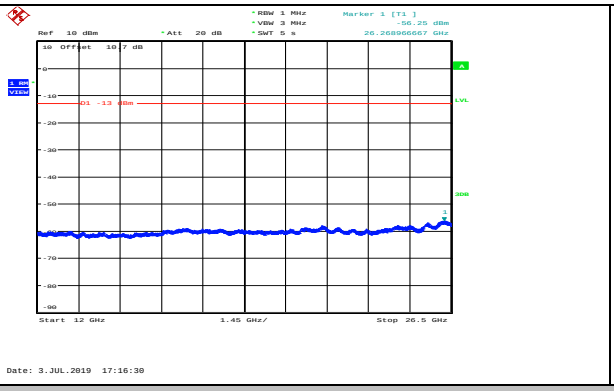

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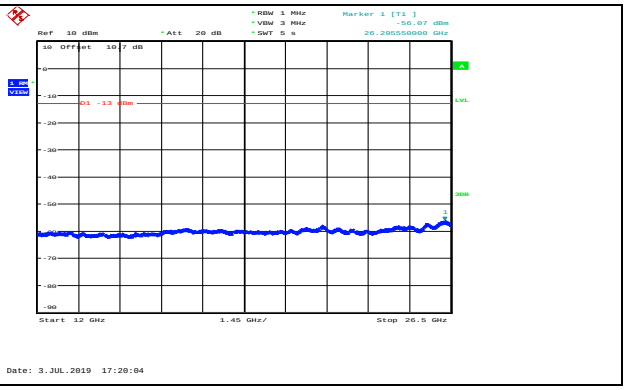

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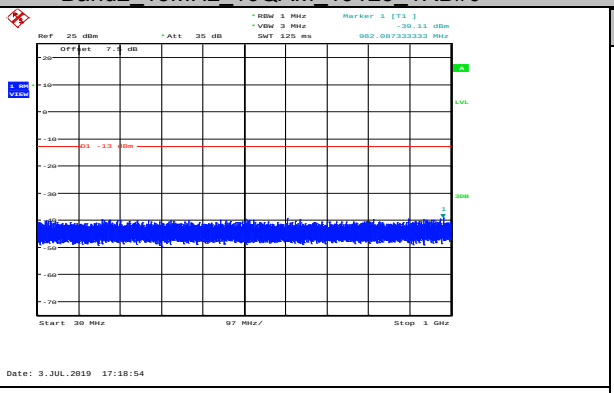

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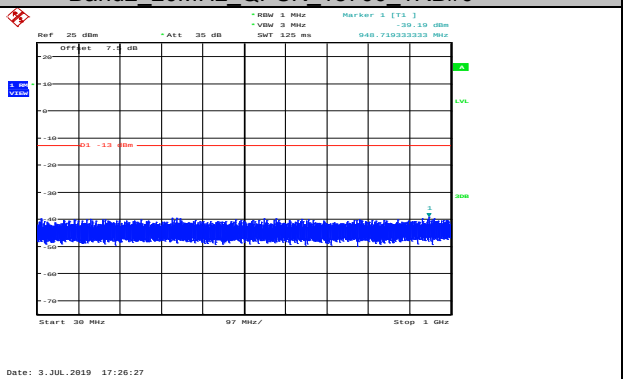

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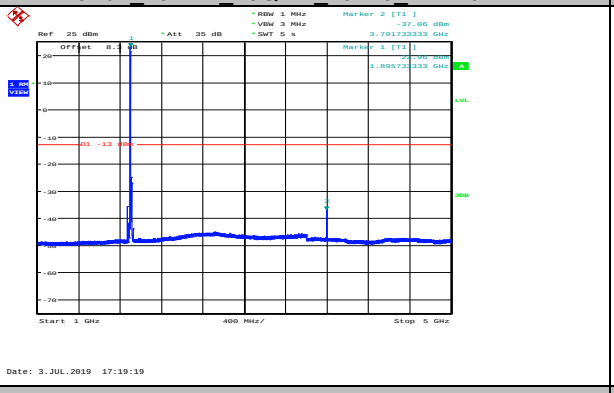

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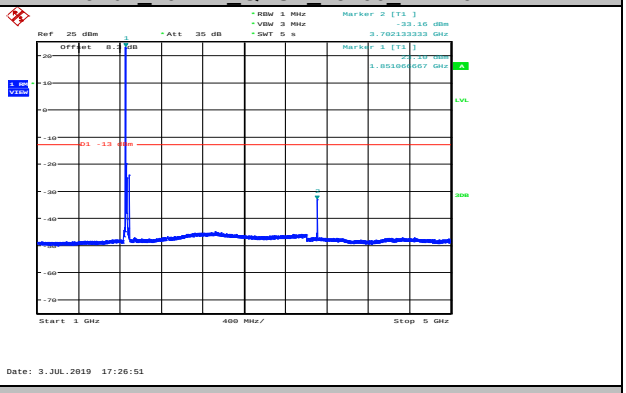

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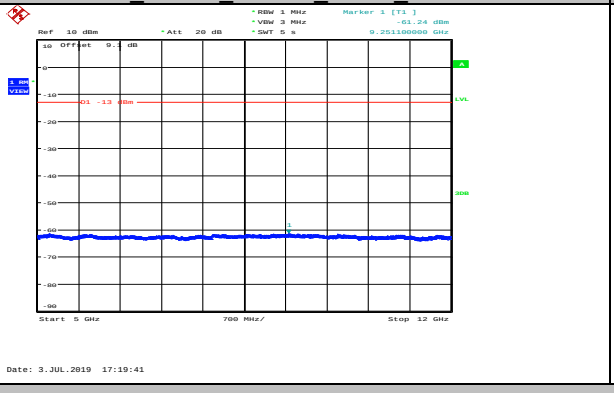

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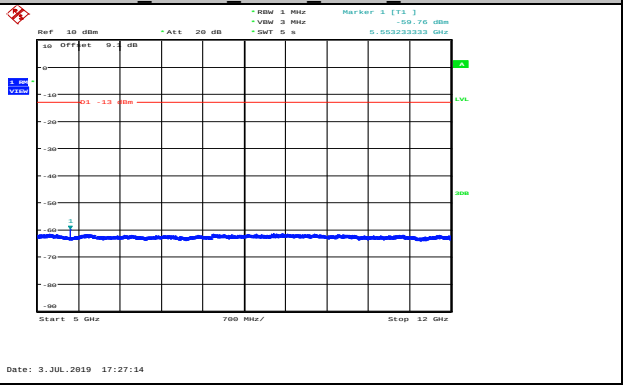

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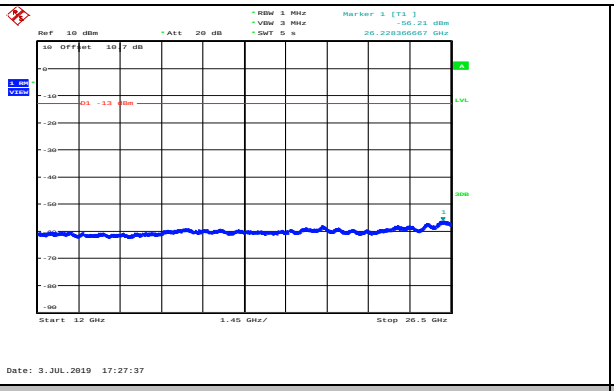

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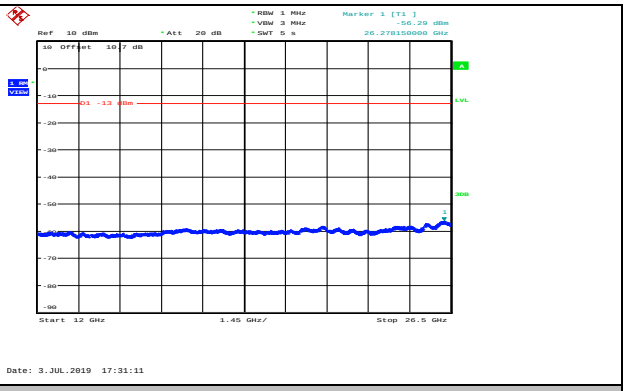

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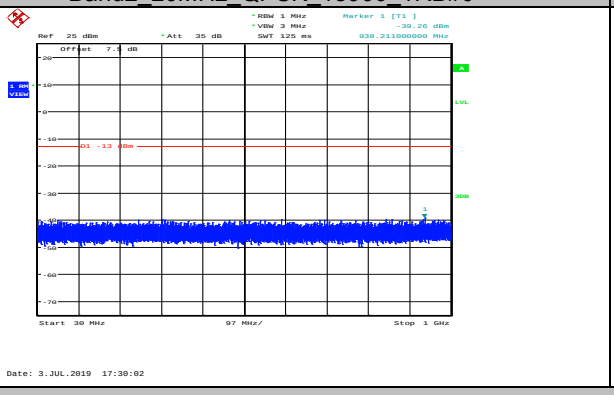

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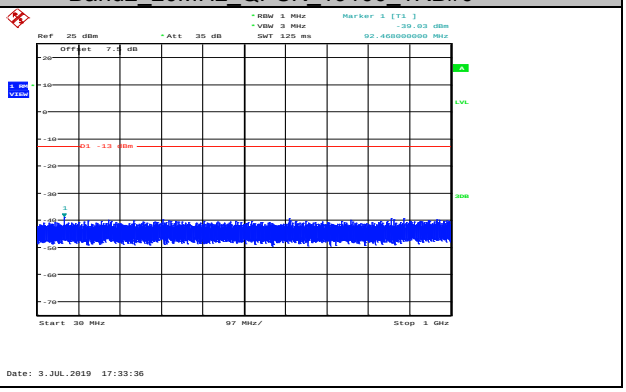

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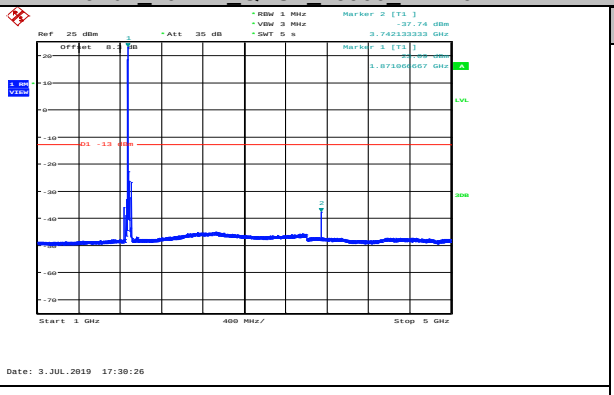

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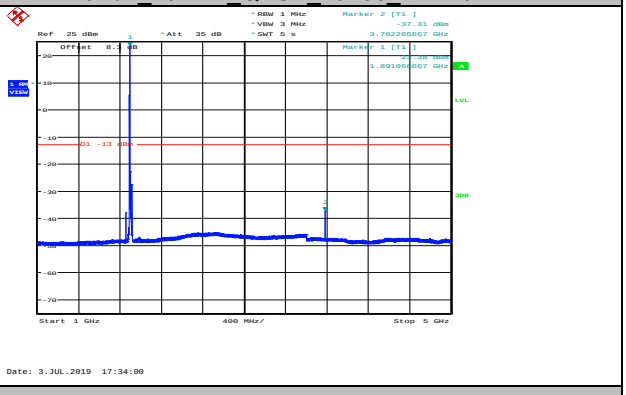

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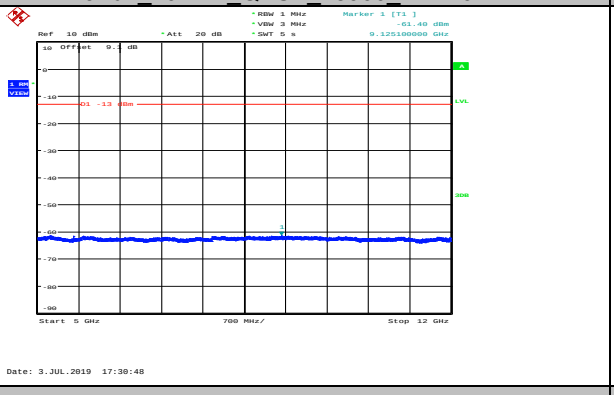

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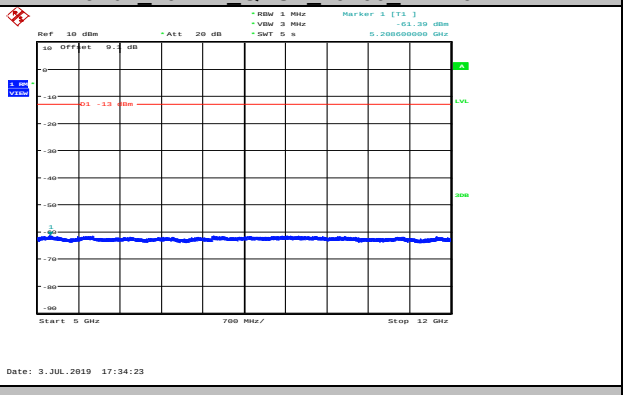

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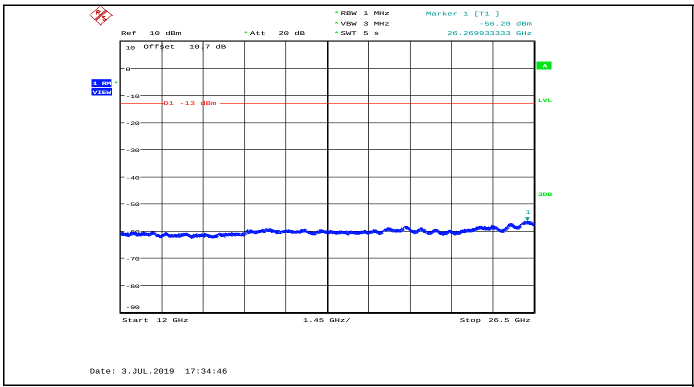

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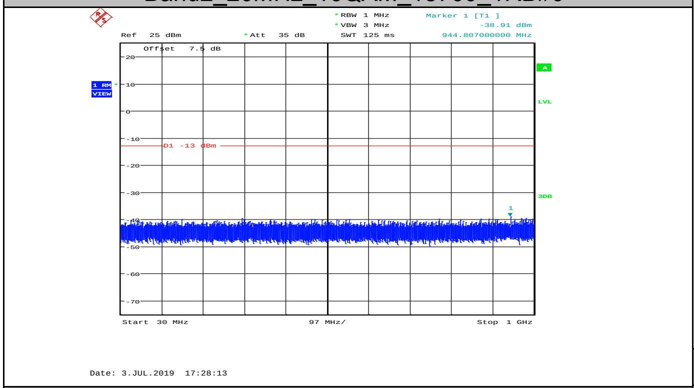

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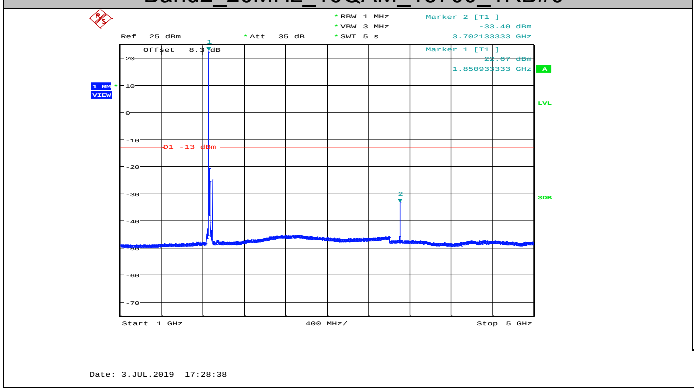

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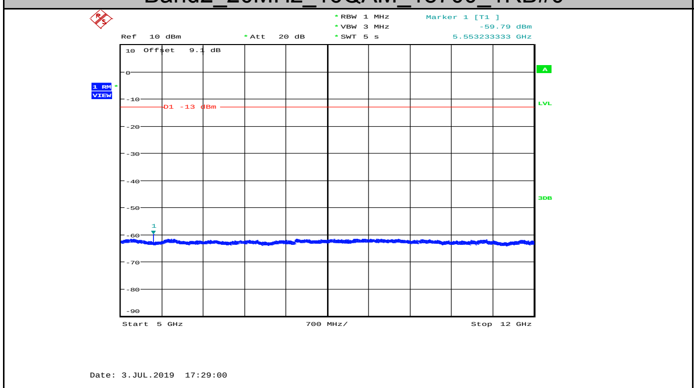

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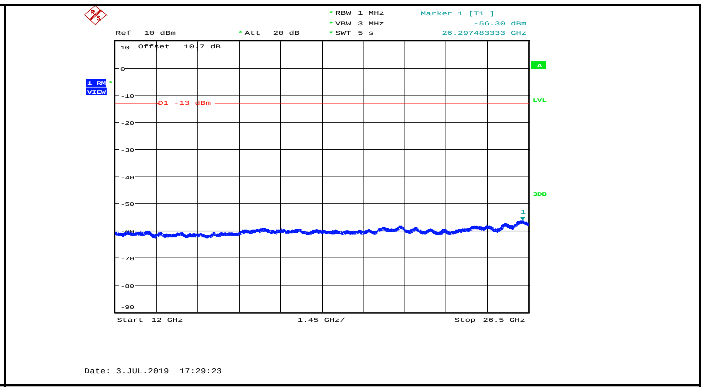

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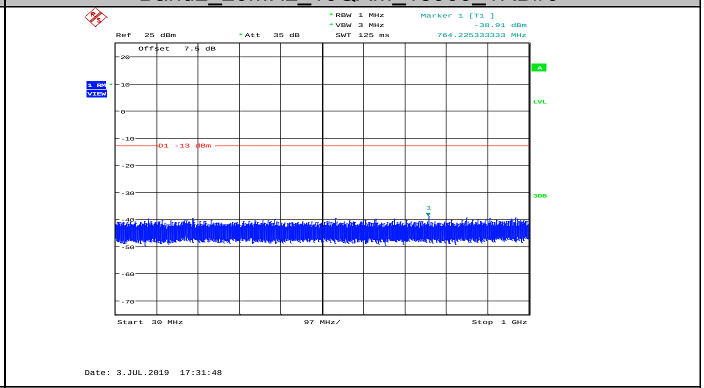

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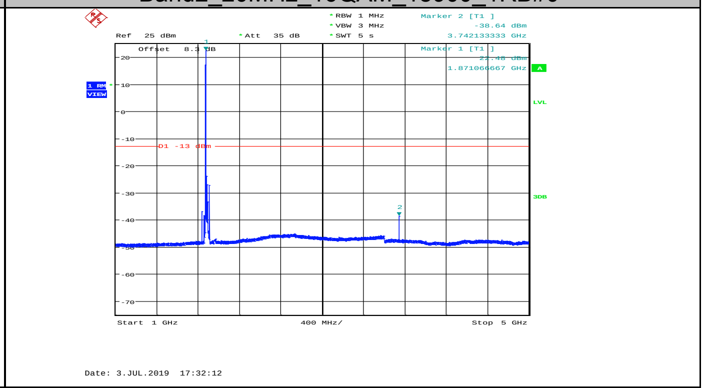

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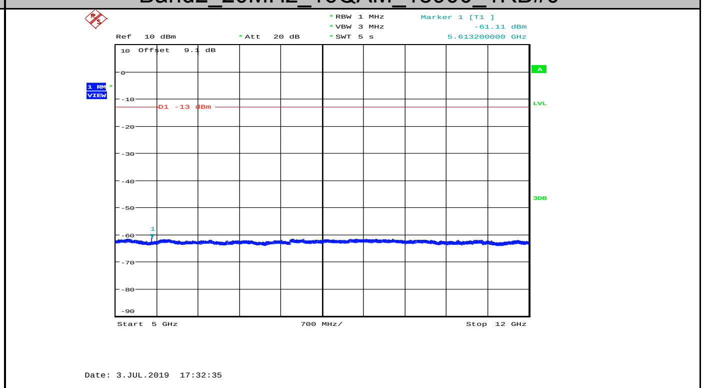

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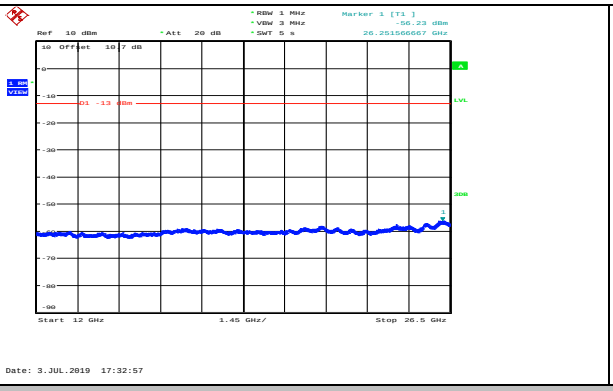

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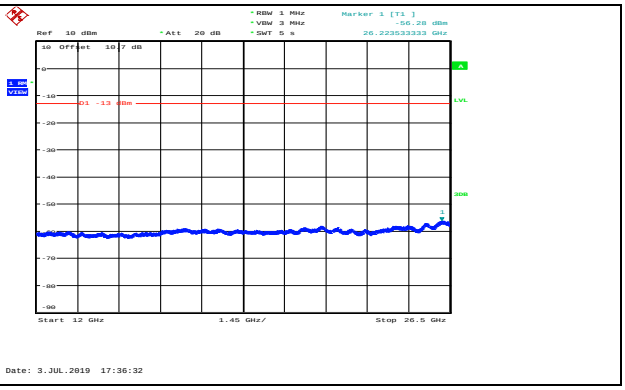
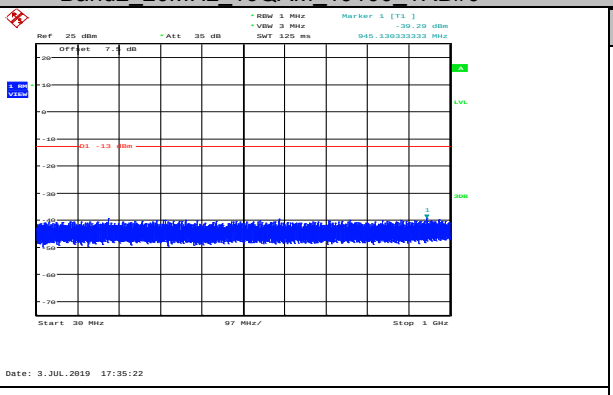


LTE Band 4:



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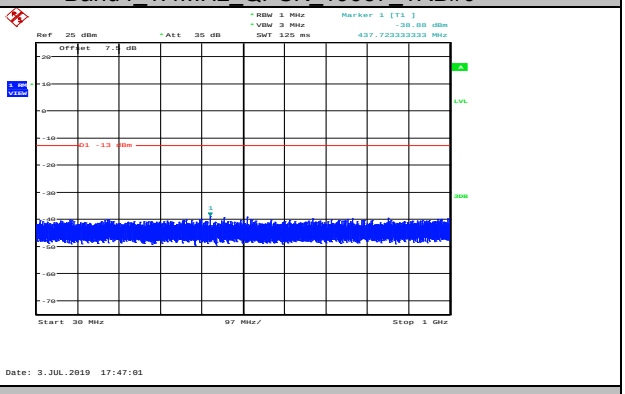
Band4_1.4MHz_QPSK_19957_1RB#0



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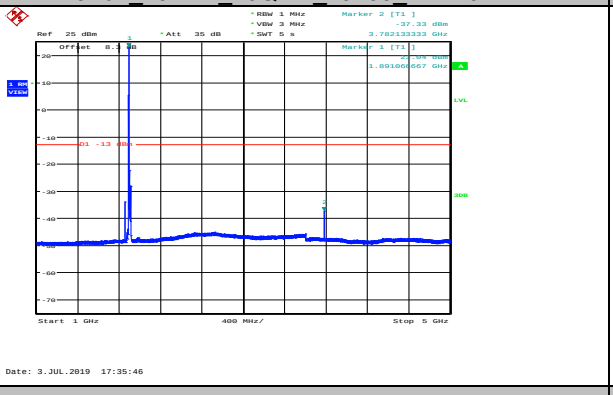

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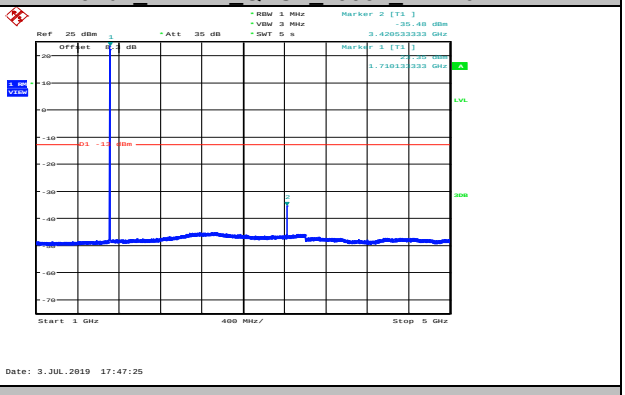

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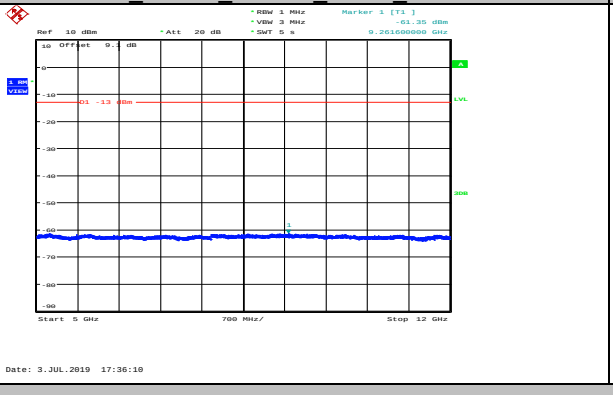

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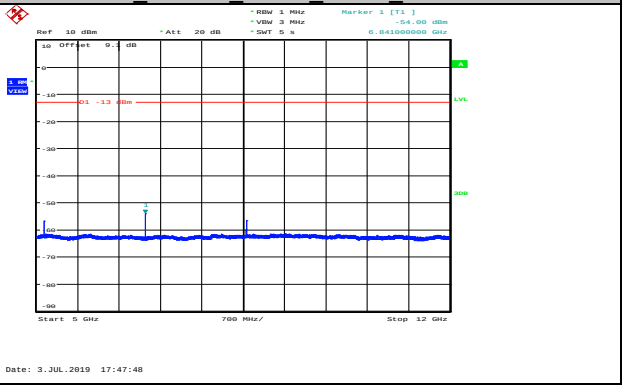

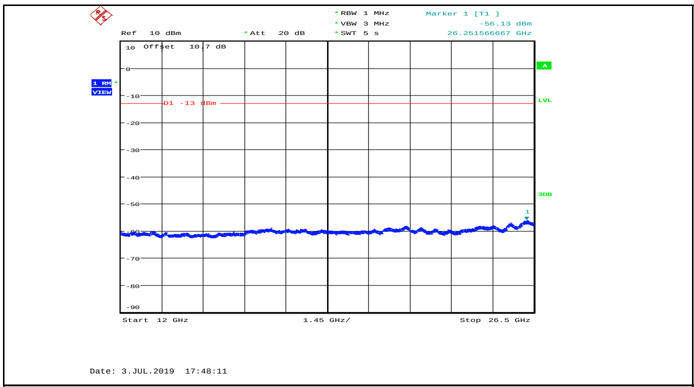

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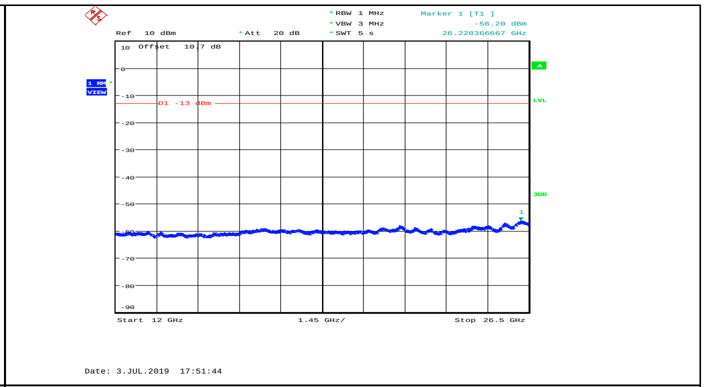

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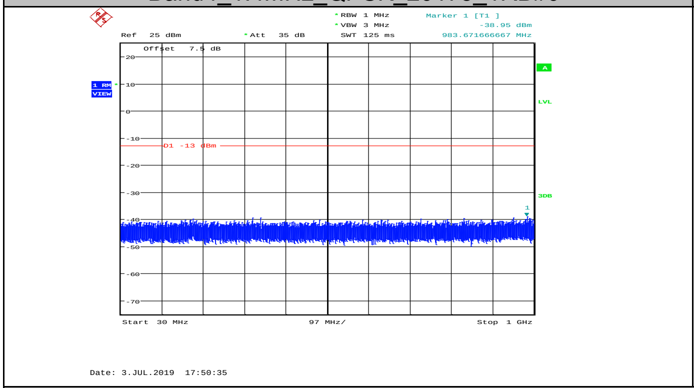

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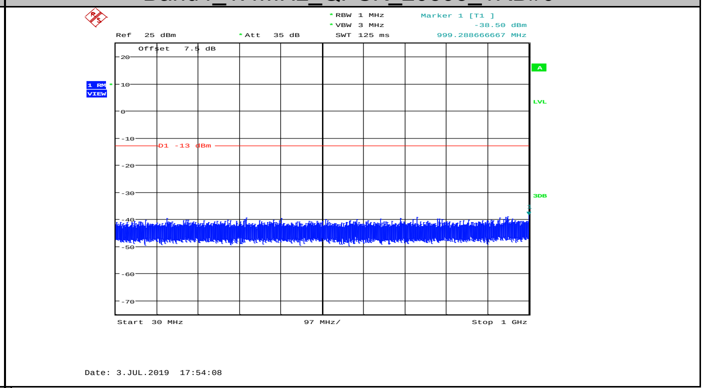

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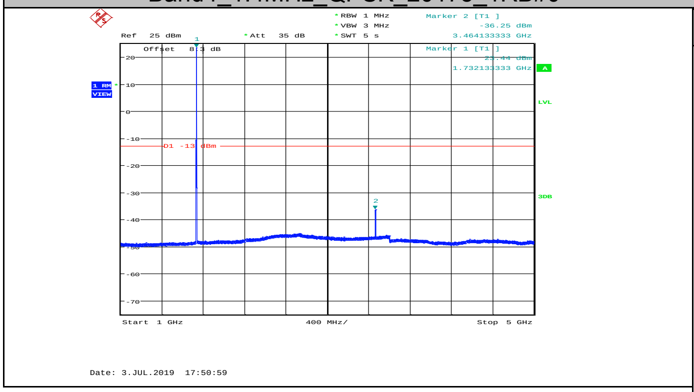

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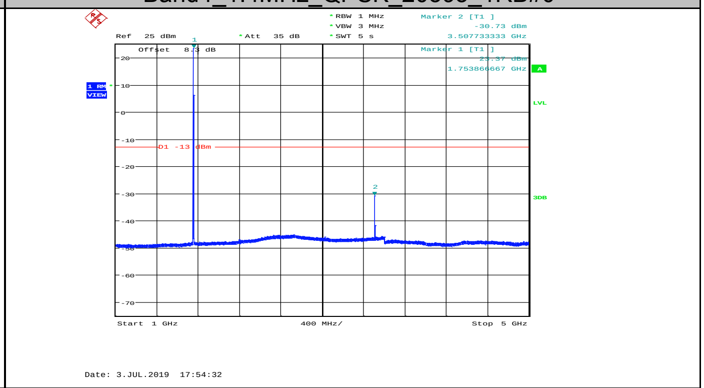

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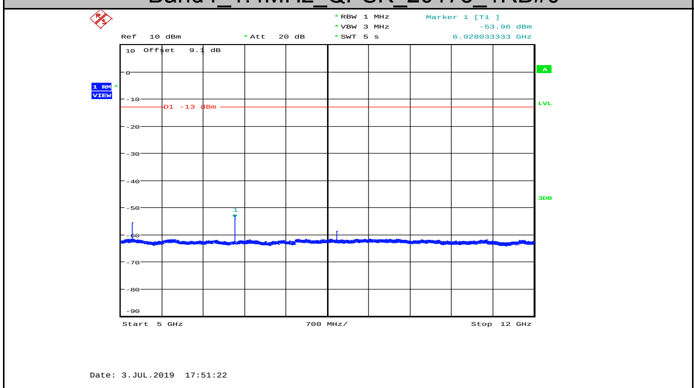

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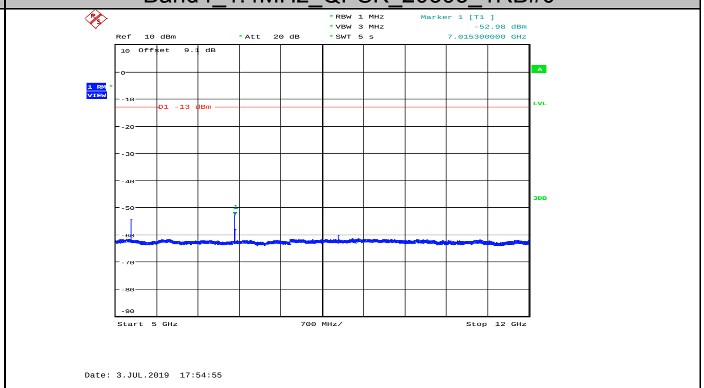

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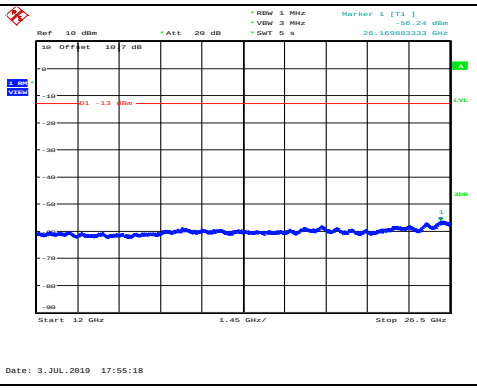

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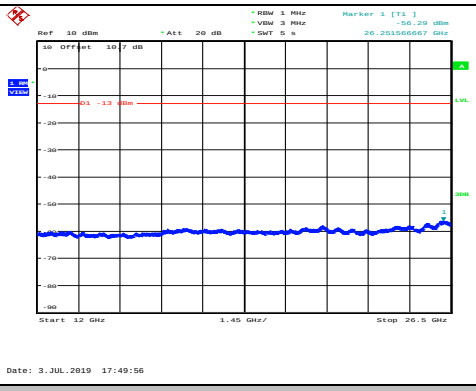

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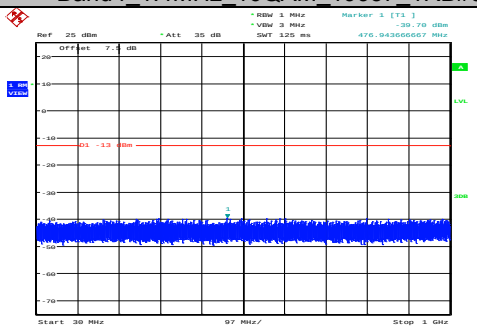

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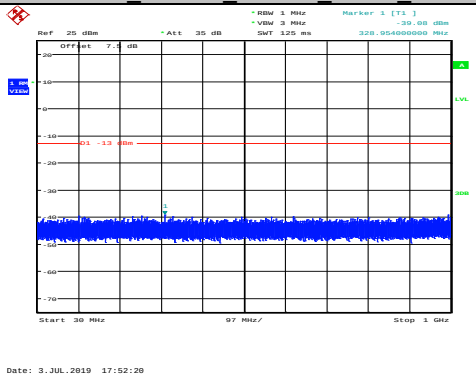

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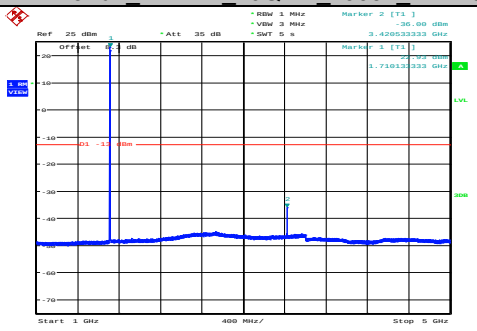

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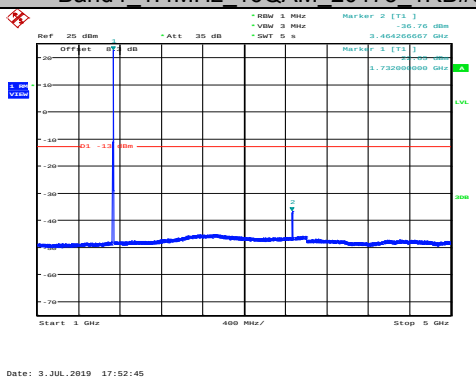

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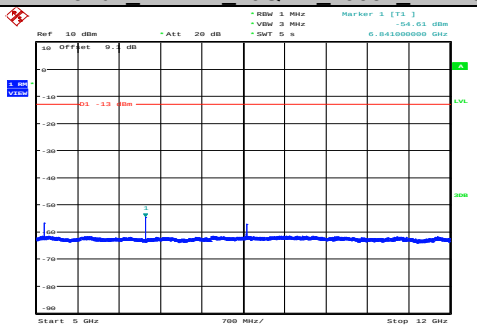

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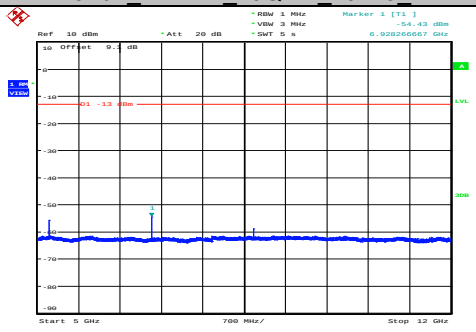

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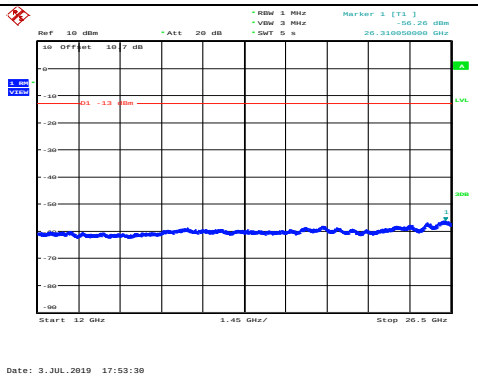

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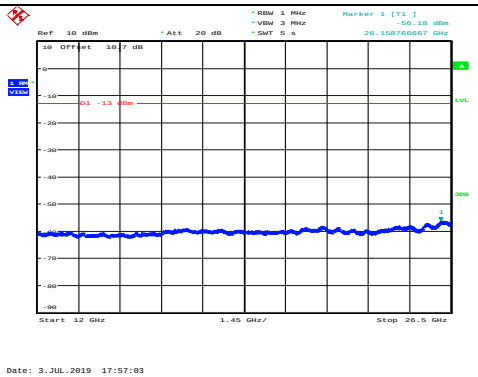

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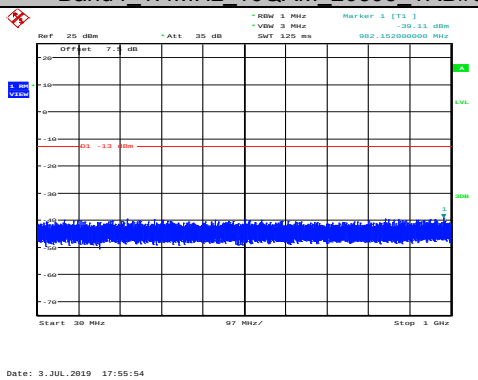

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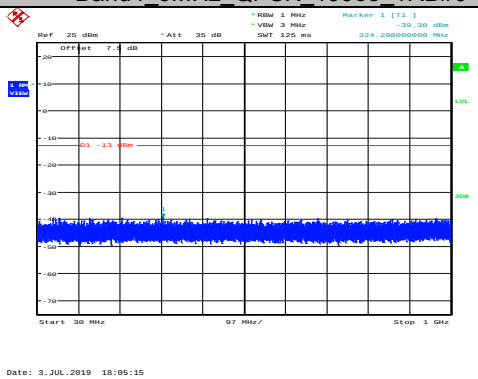

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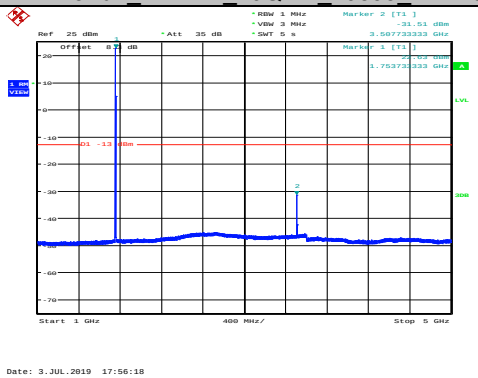

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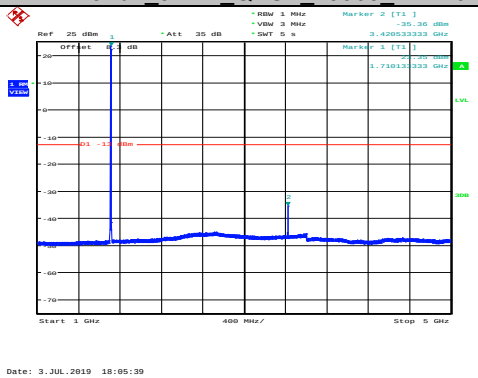

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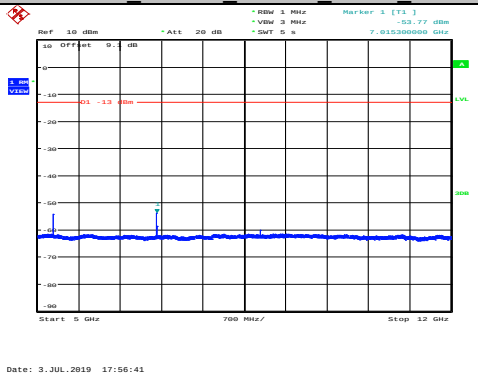
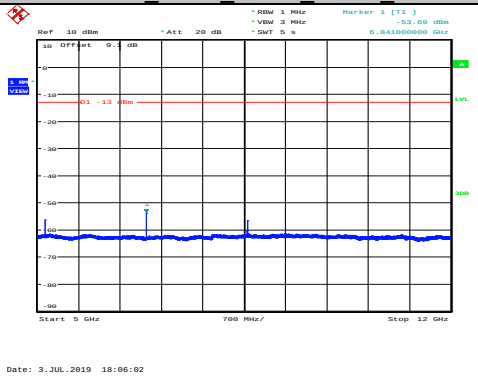
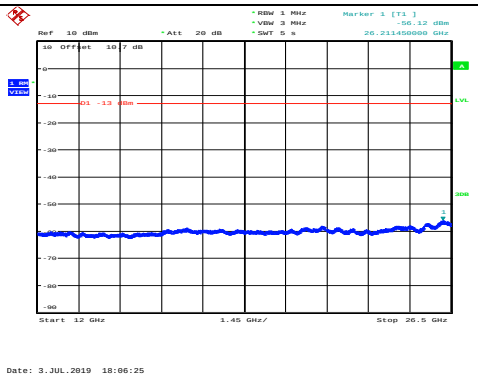


Band4_1.4MHz_16QAM_20393_1RB#0



Band4_3MHz_QPSK_19965_1RB#0



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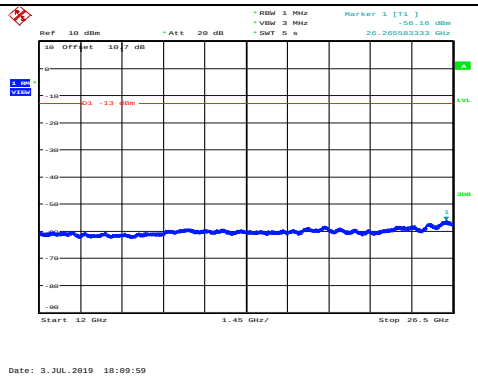

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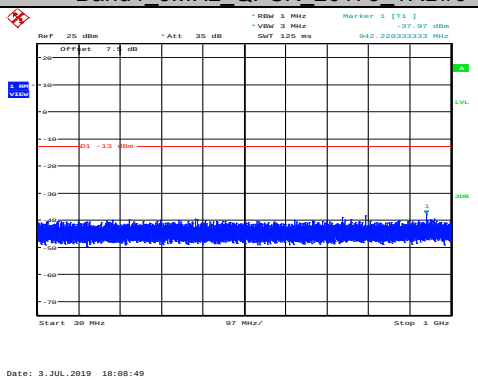

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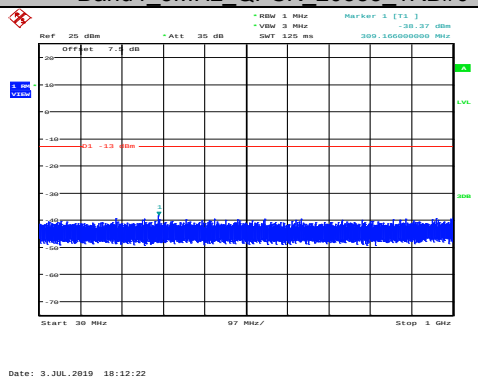

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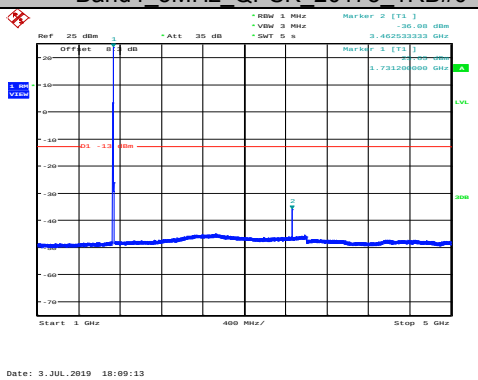

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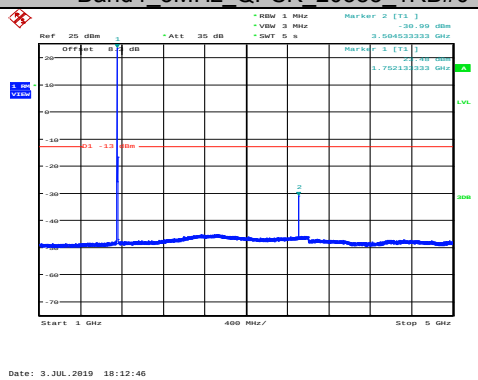

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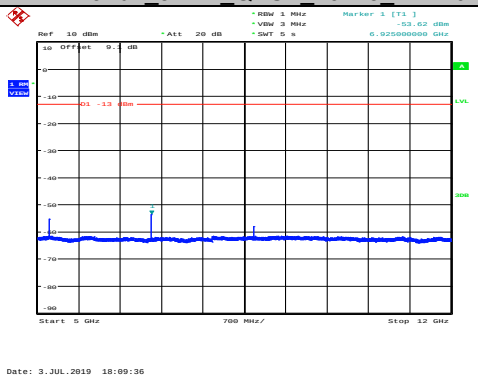

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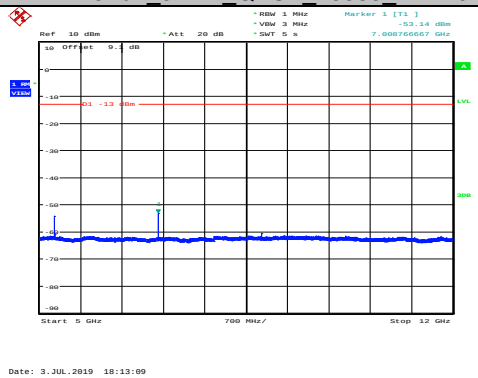

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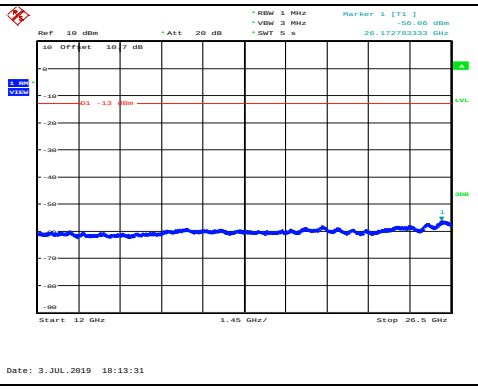

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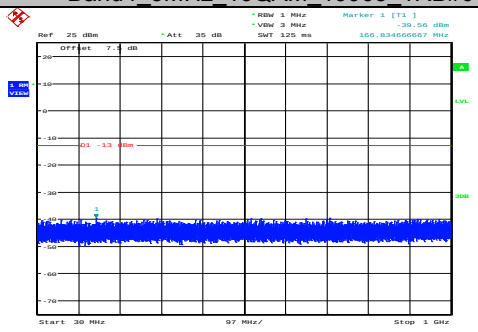

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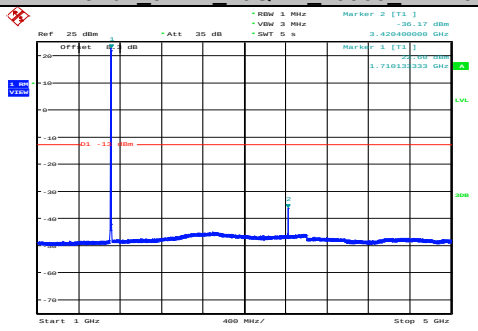

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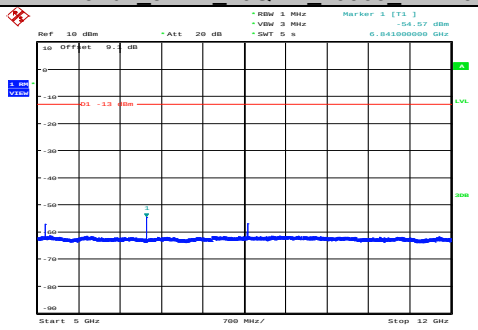

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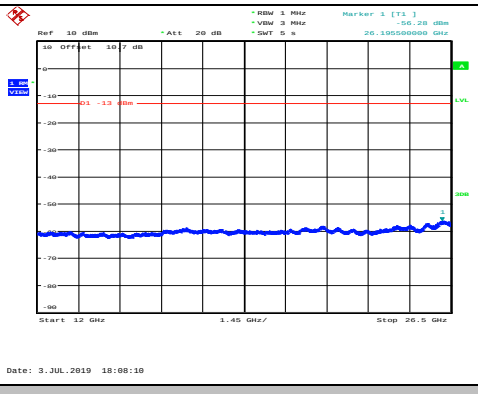

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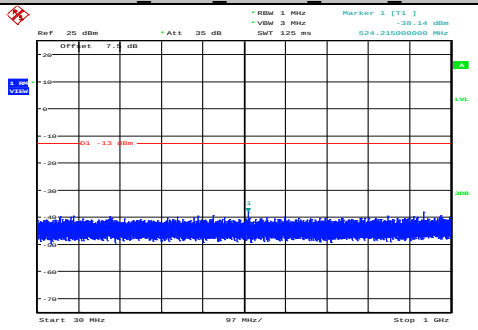

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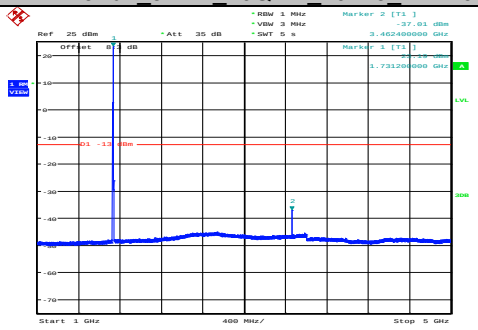

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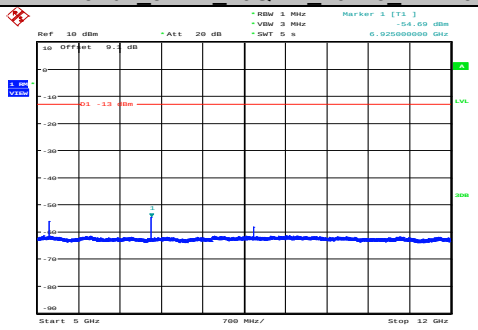

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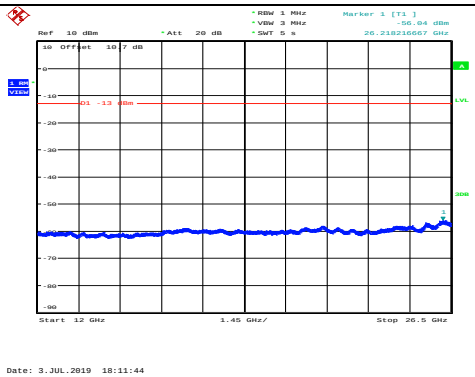

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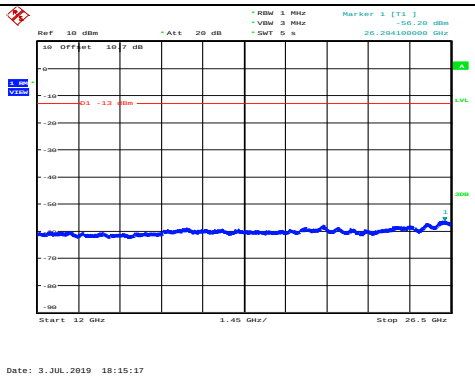

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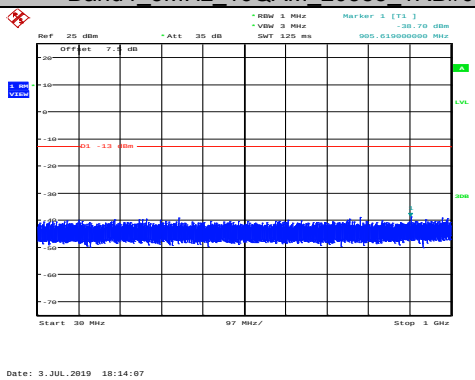

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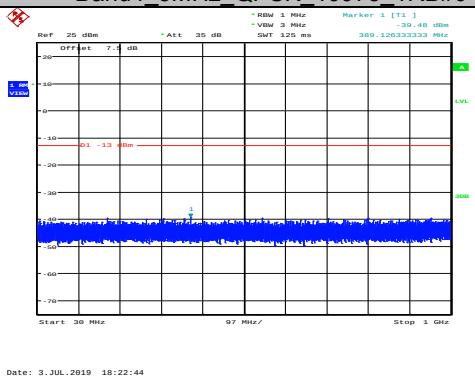

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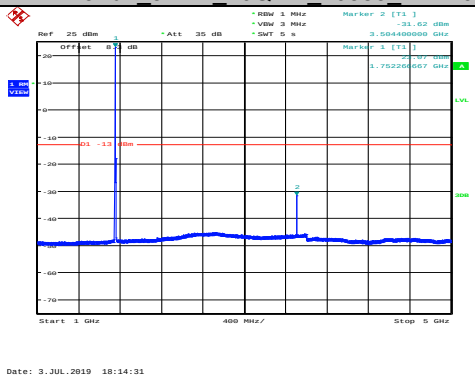

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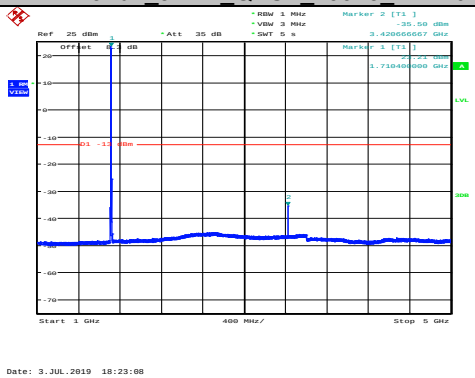

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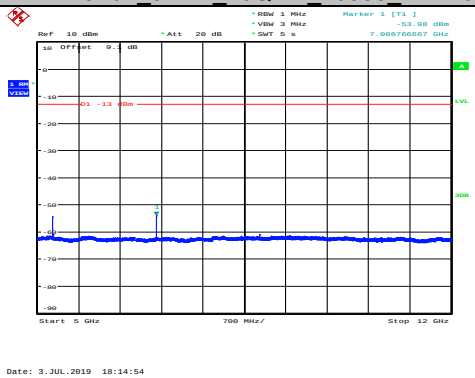

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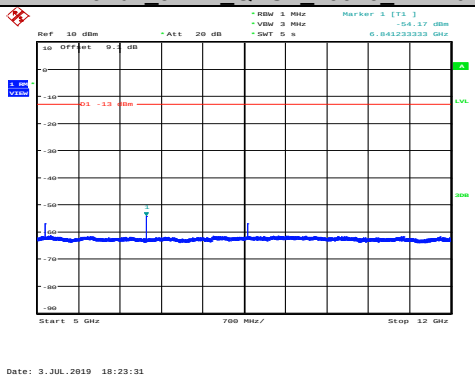

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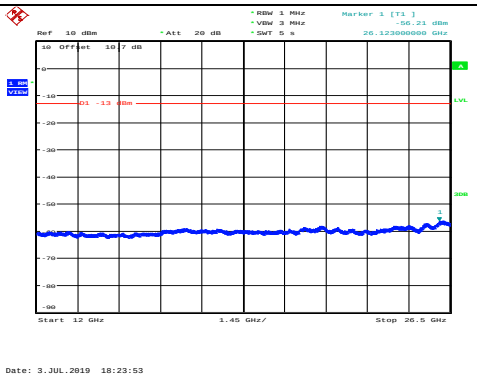

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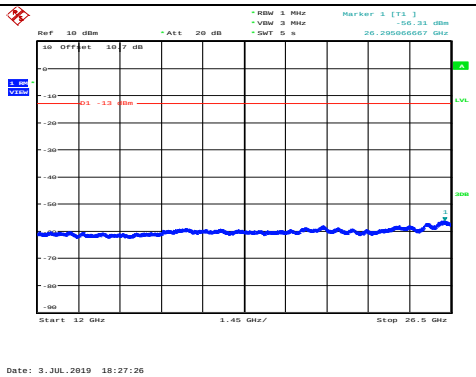

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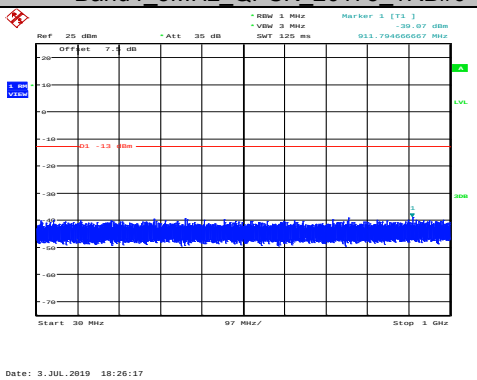

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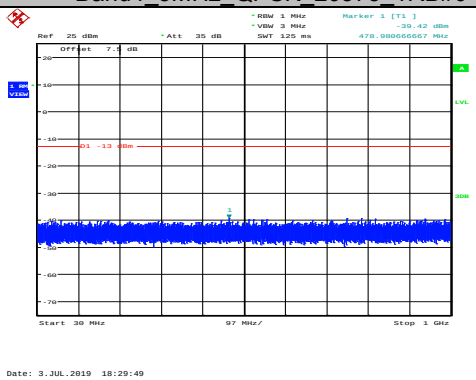

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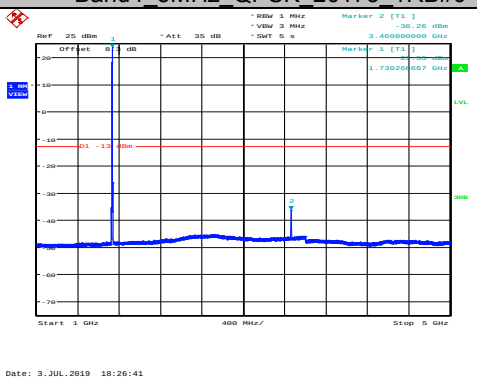

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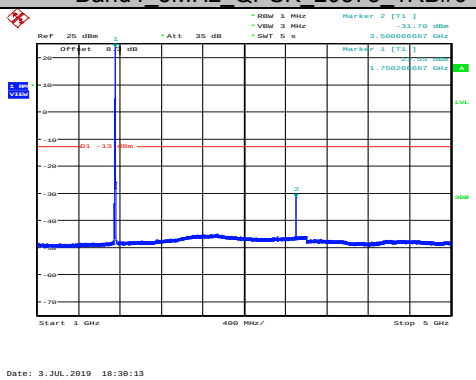

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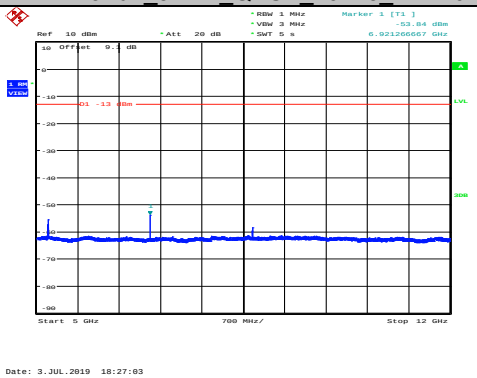

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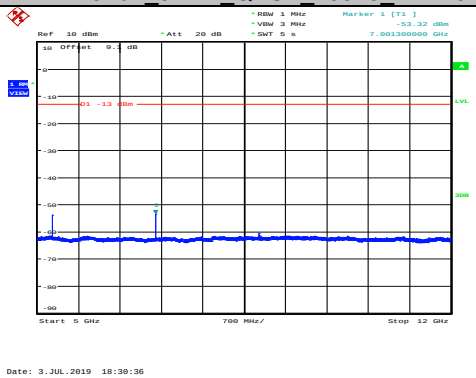

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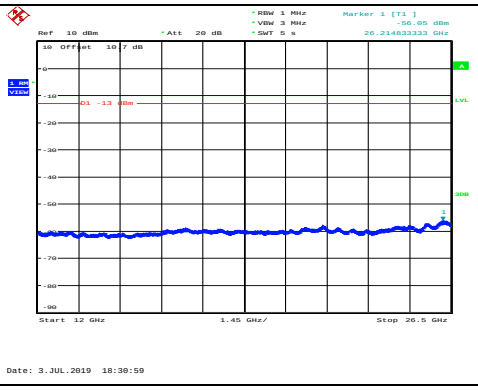

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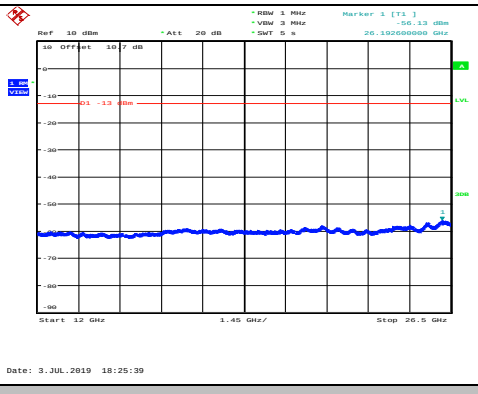

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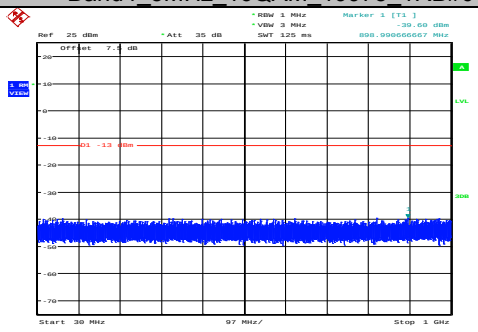

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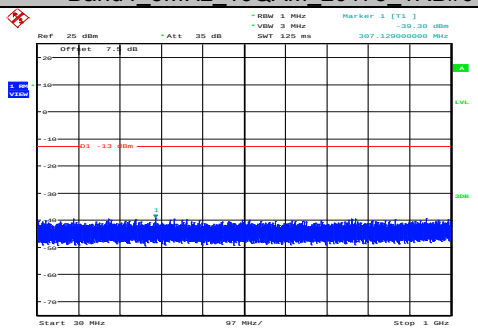

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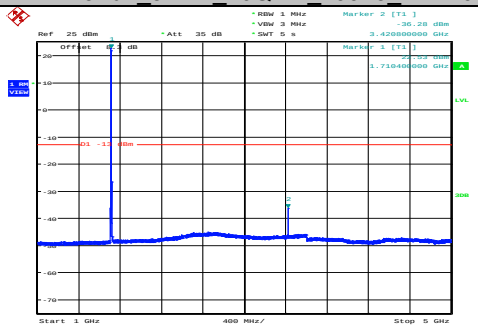

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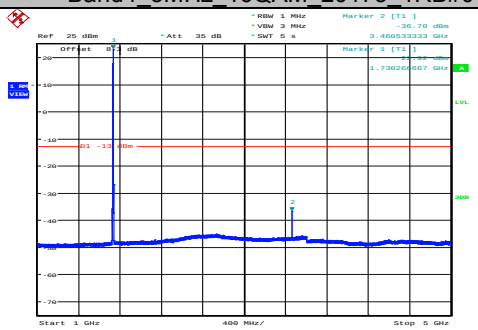

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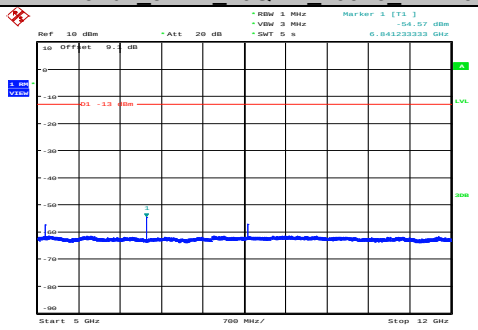

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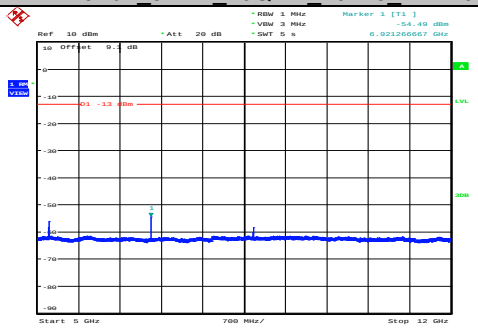

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