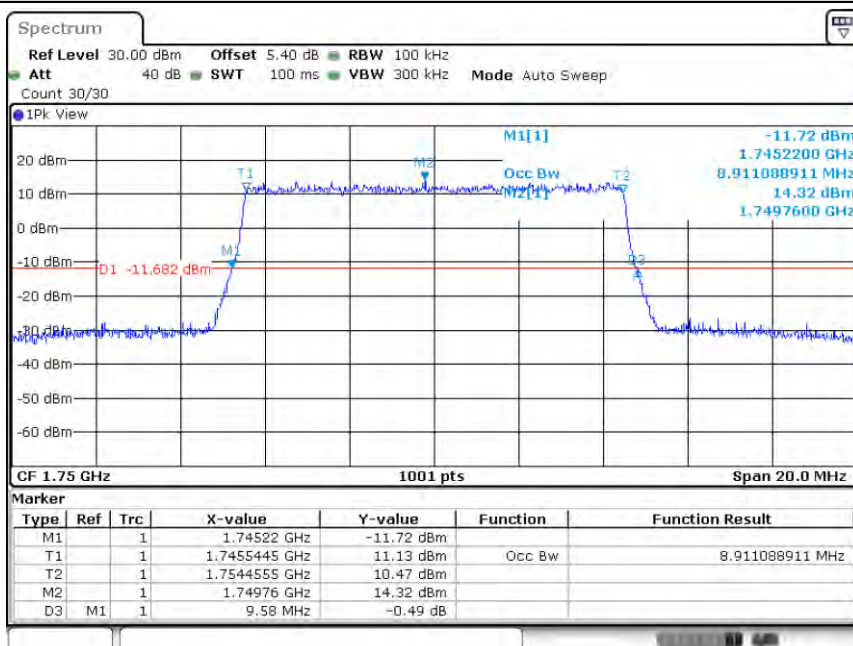
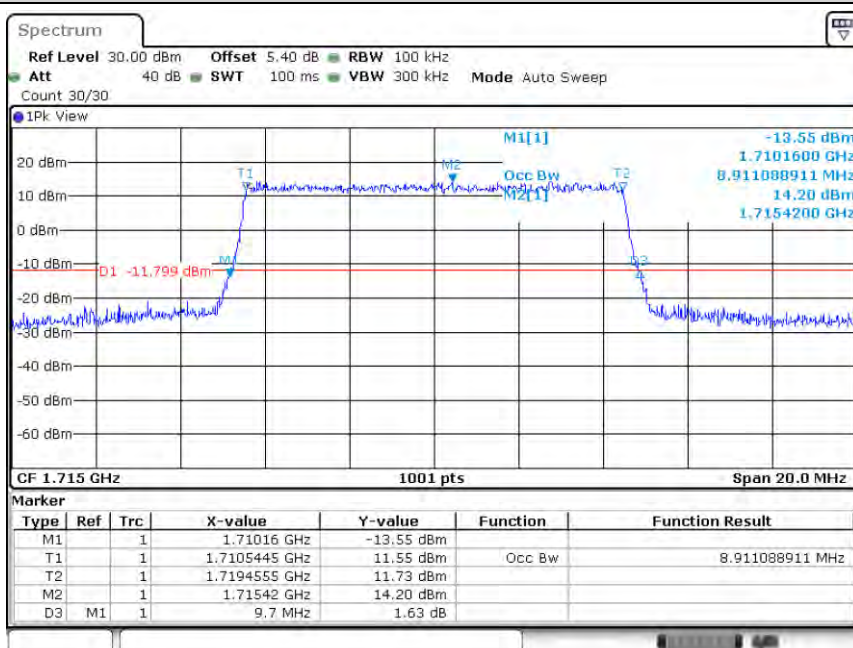


Band4-10MHz-64QAM-20350-50RB#0-8.911



Date: 14.APR.2021 04:38:39

Band4-10MHz-16QAM-20000-50RB#0-8.911



Date: 14.APR.2021 03:29:49



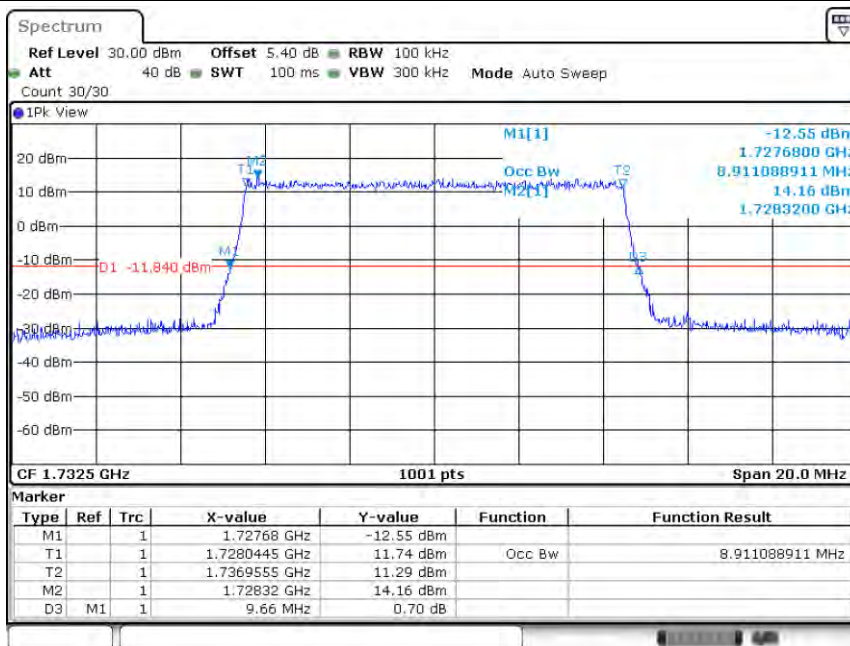
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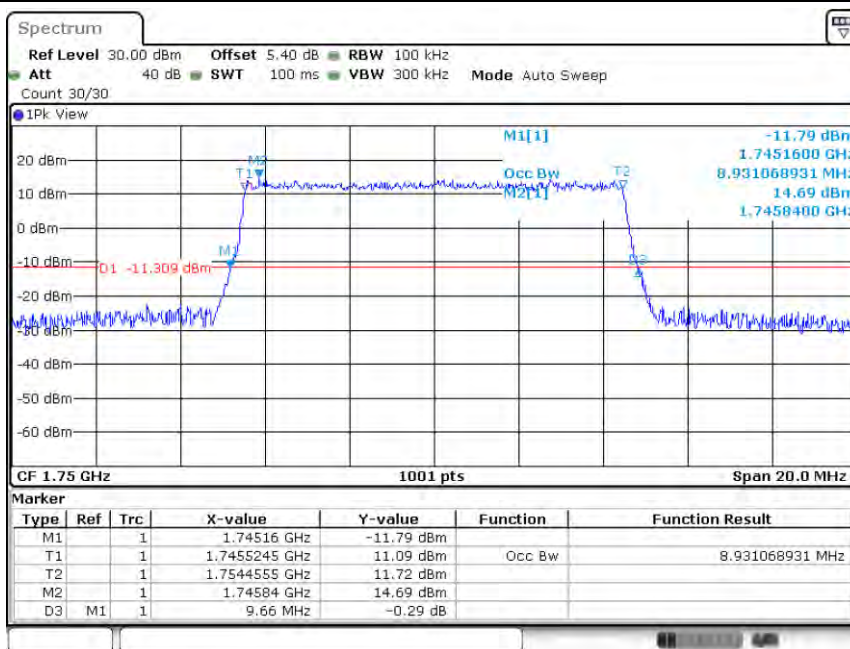


Band4-10MHz-16QAM-20175-50RB#0-8.911



Date: 14.APR.2021 03:30:16

Band4-10MHz-16QAM-20350-50RB#0-8.931



Date: 14.APR.2021 03:30:42

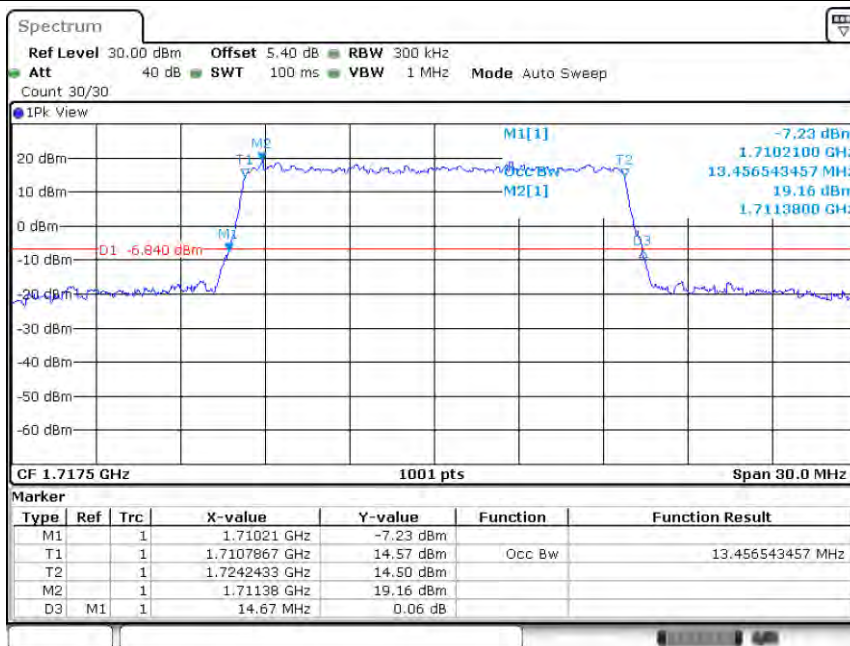


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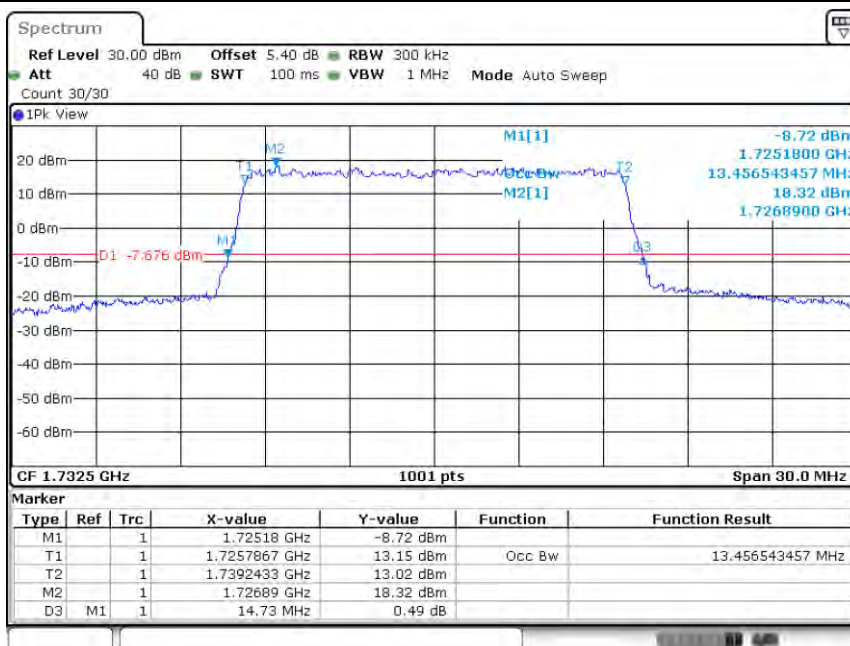


Band4-15MHz-QPSK-20025-75RB#0-13.457



Date: 14.APR.2021 03:30:59

Band4-15MHz-QPSK-20175-75RB#0-13.457



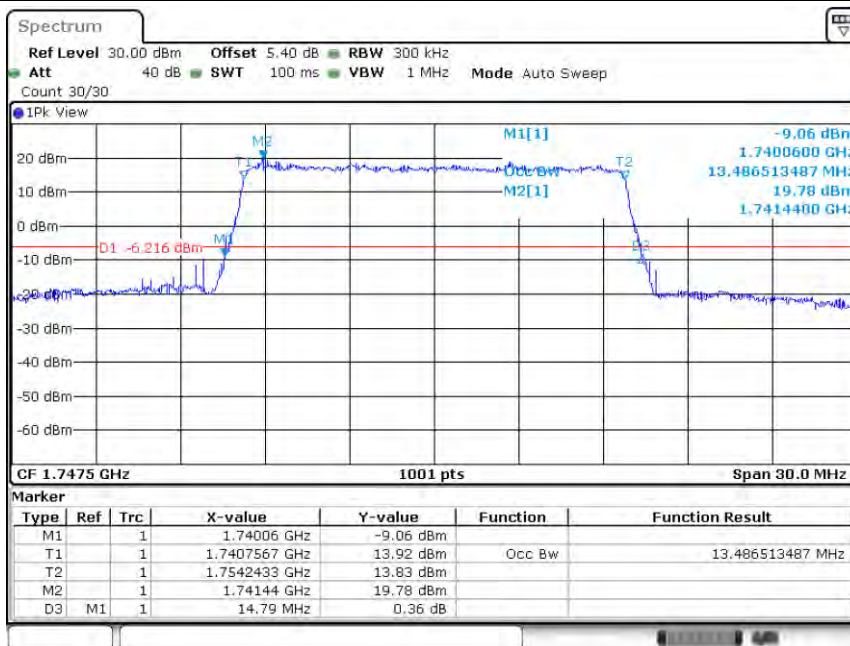
Date: 14.APR.2021 03:31:25



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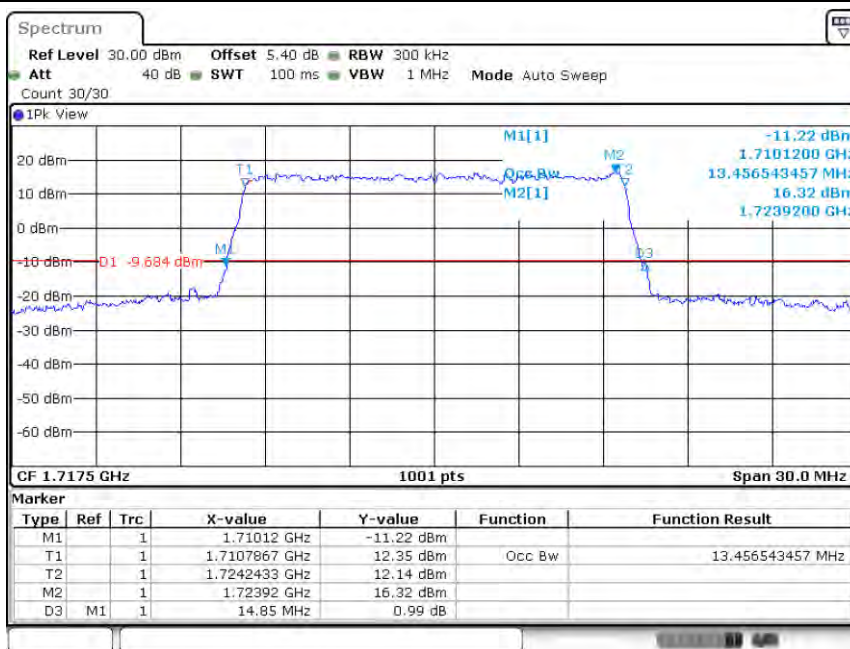
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Band4-15MHz-QPSK-20325-75RB#0-13.487



Date: 14.APR.2021 03:31:51

Band4-15MHz-64QAM-20025-75RB#0-13.457



Date: 14.APR.2021 04:38:57

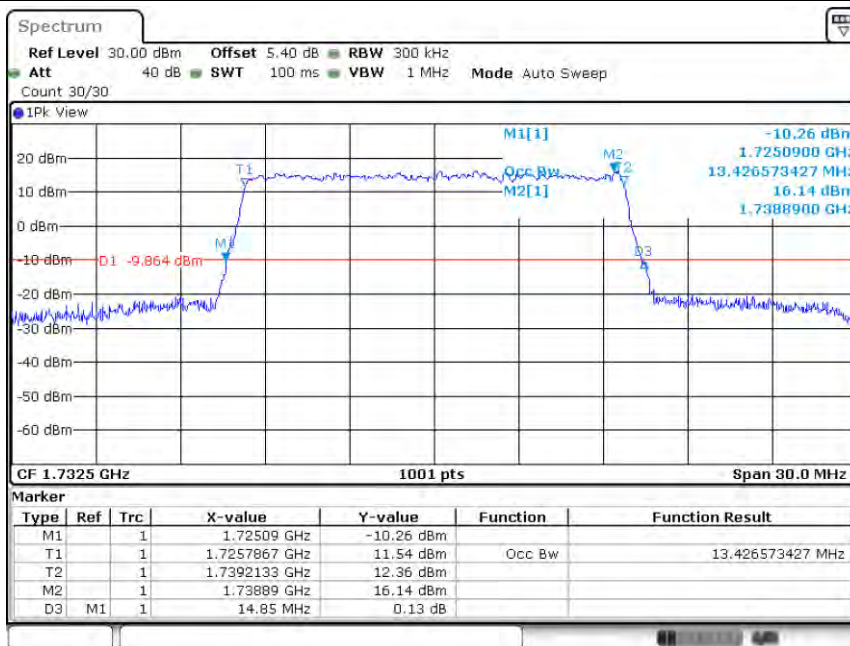


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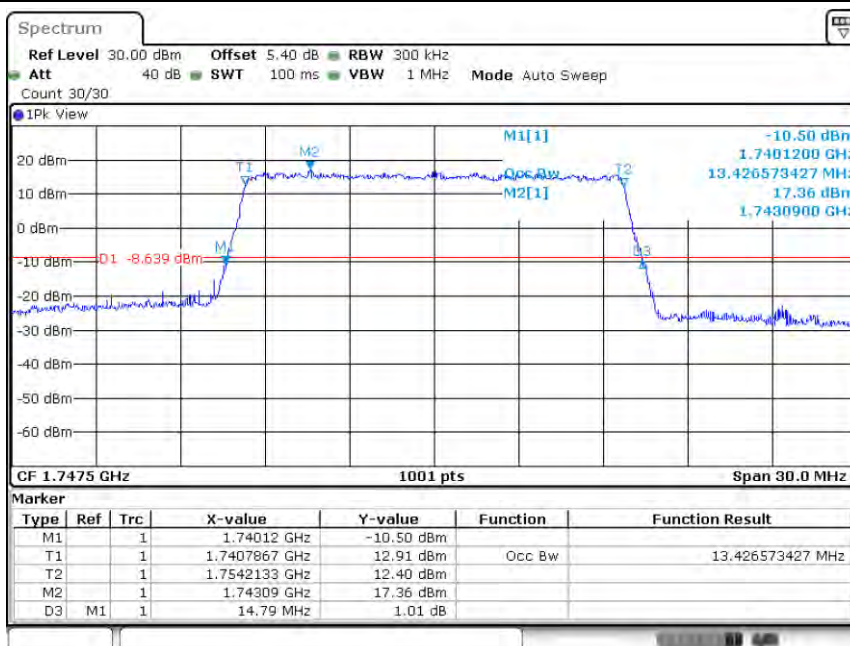


Band4-15MHz-64QAM-20175-75RB#0-13.427



Date: 14.APR.2021 04:39:10

Band4-15MHz-64QAM-20325-75RB#0-13.427



Date: 14.APR.2021 04:39:23



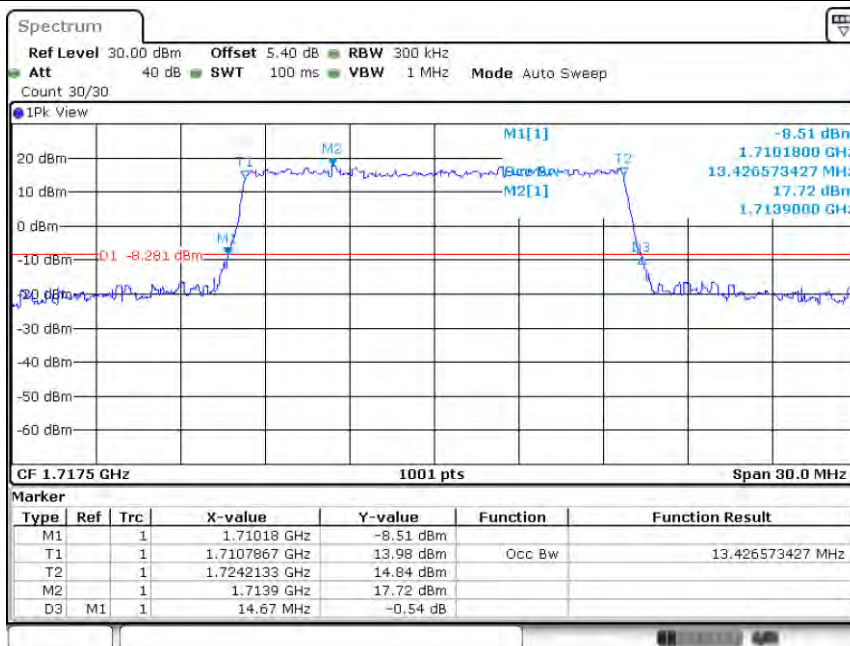
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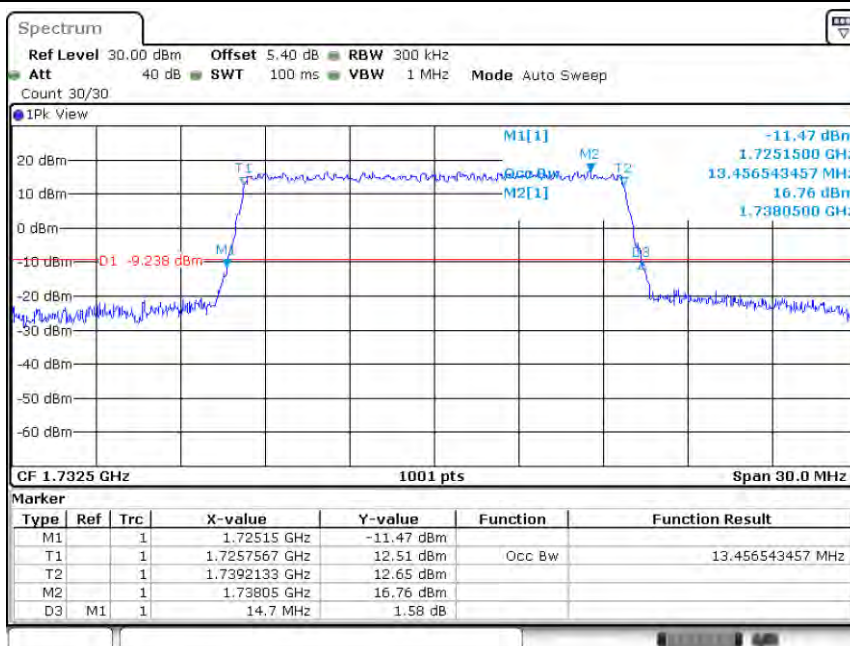


Band4-15MHz-16QAM-20025-75RB#0-13.427



Date: 14.APR.2021 03:31:12

Band4-15MHz-16QAM-20175-75RB#0-13.457

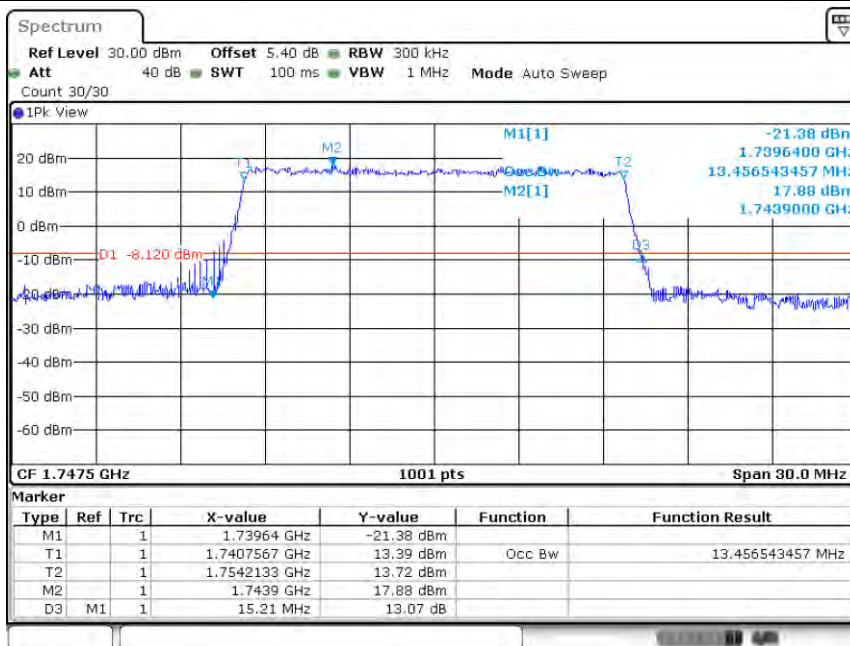


Date: 14.APR.2021 03:31:38



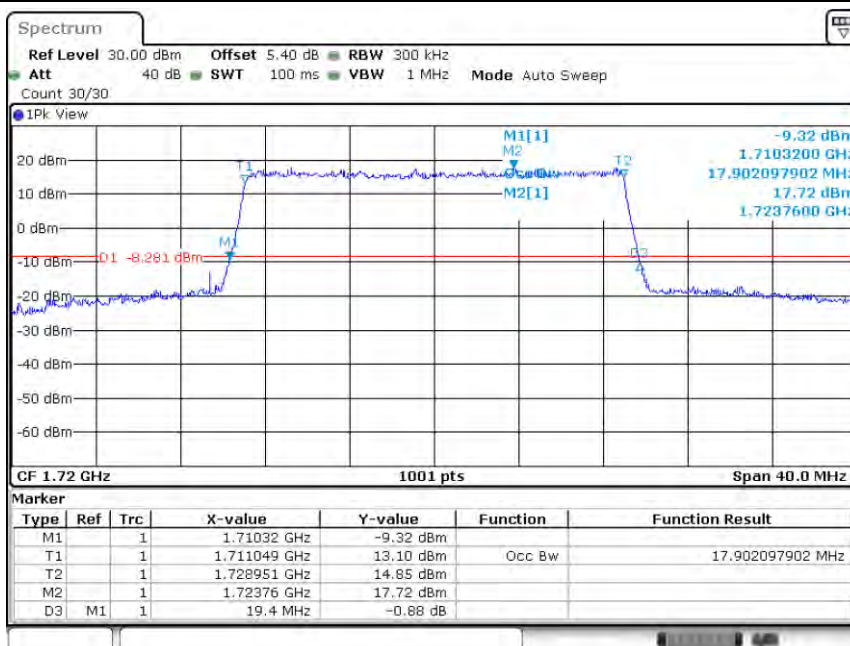


Band4-15MHz-16QAM-20325-75RB#0-13.457



Date: 14.APR.2021 03:32:04

Band4-20MHz-QPSK-20050-100RB#0-17.902



Date: 14.APR.2021 03:32:21



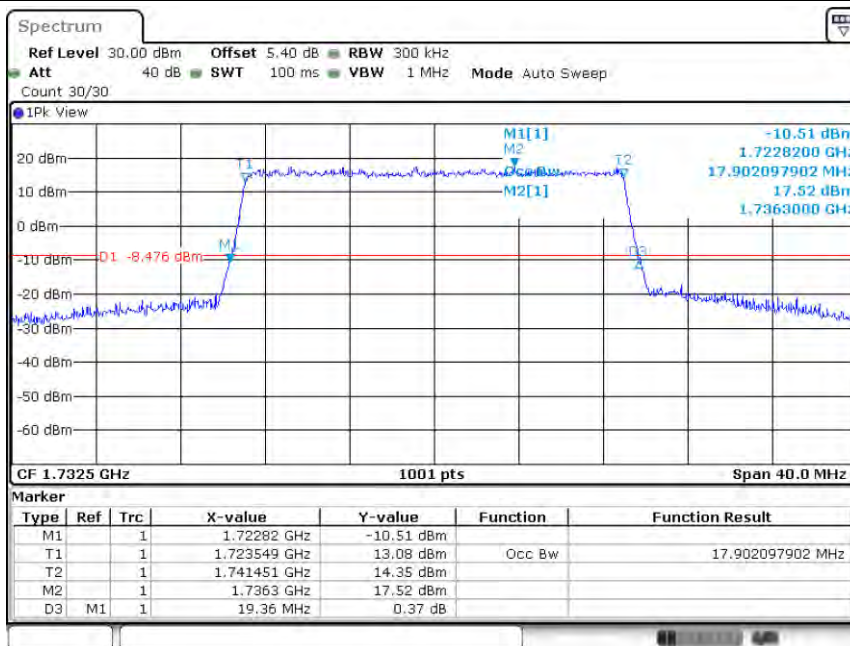
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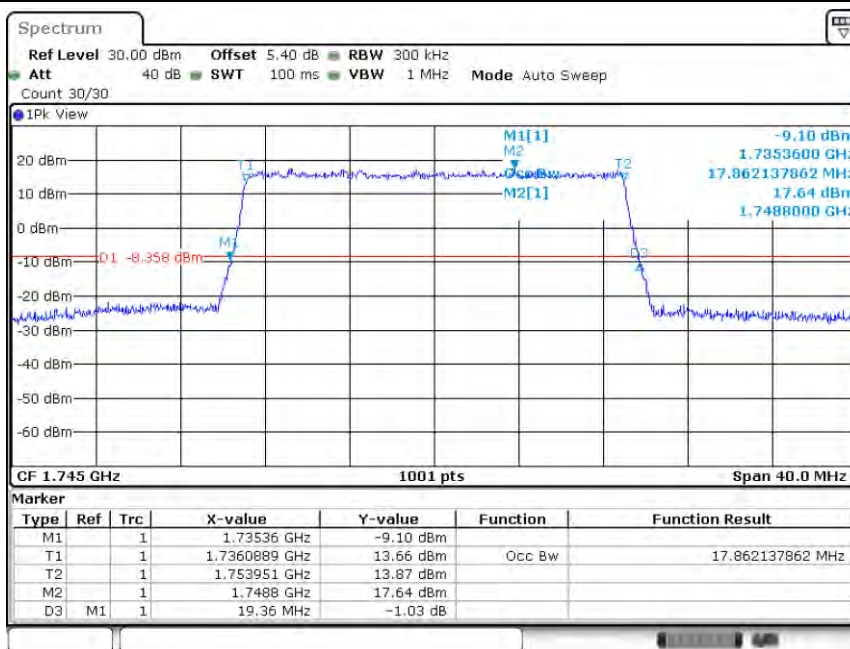


Band4-20MHz-QPSK-20175-100RB#0-17.902



Date: 14.APR.2021 03:32:47

Band4-20MHz-QPSK-20300-100RB#0-17.862

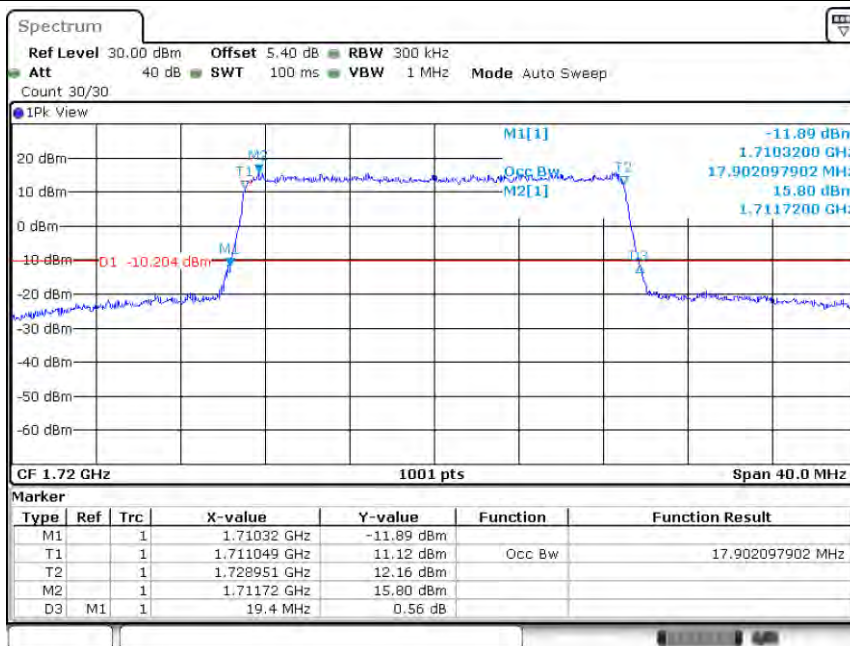


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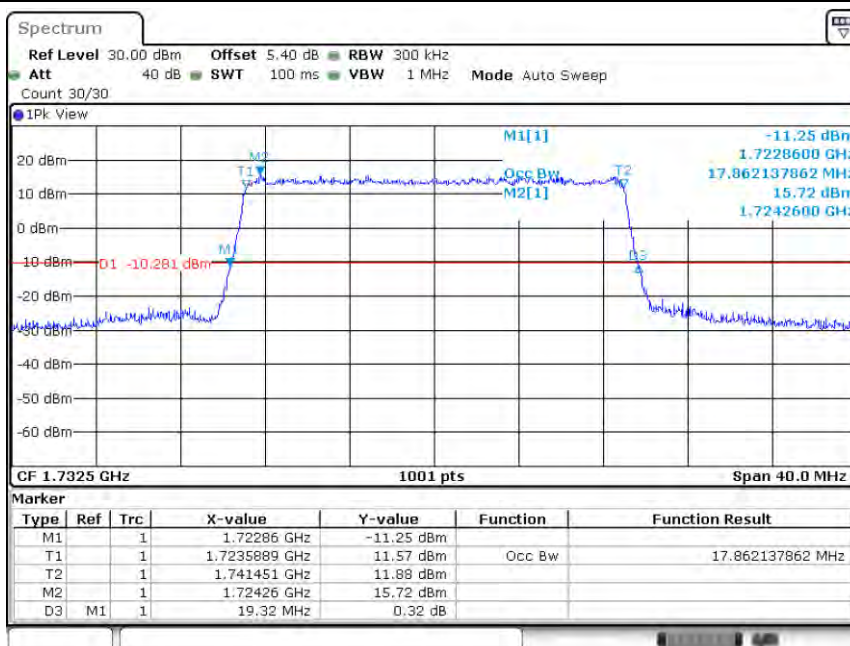


Band4-20MHz-64QAM-20050-100RB#0-17.902



Date: 14.APR.2021 04:39:41

Band4-20MHz-64QAM-20175-100RB#0-17.862



Date: 14.APR.2021 04:39:54



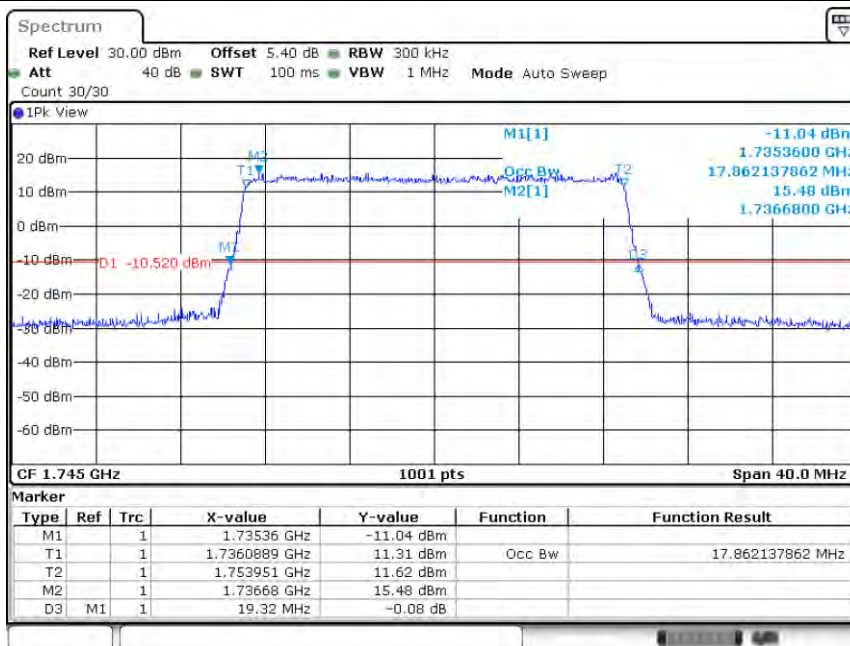
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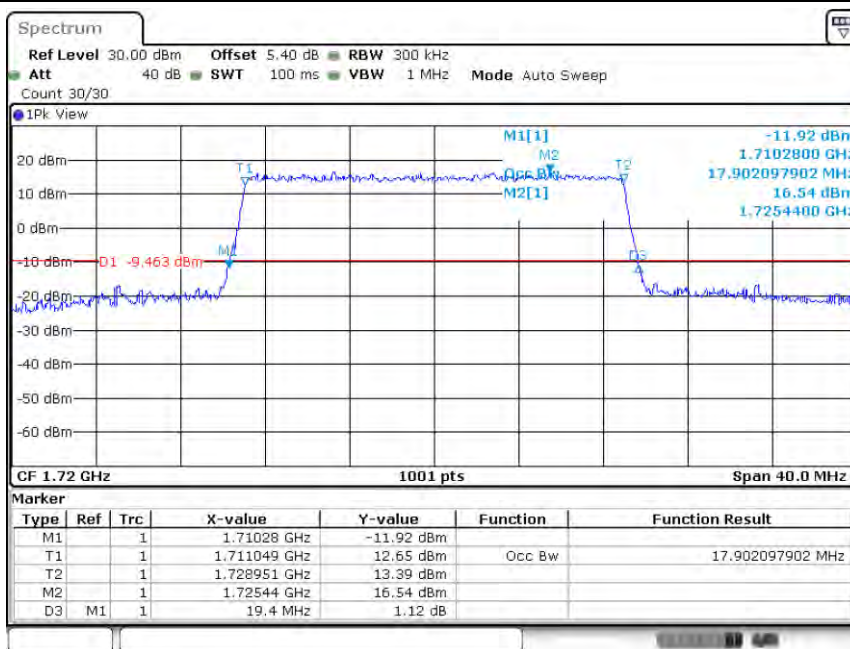


Band4-20MHz-64QAM-20300-100RB#0-17.862



Date: 14.APR.2021 04:40:07

Band4-20MHz-16QAM-20050-100RB#0-17.902



Date: 14.APR.2021 03:32:34



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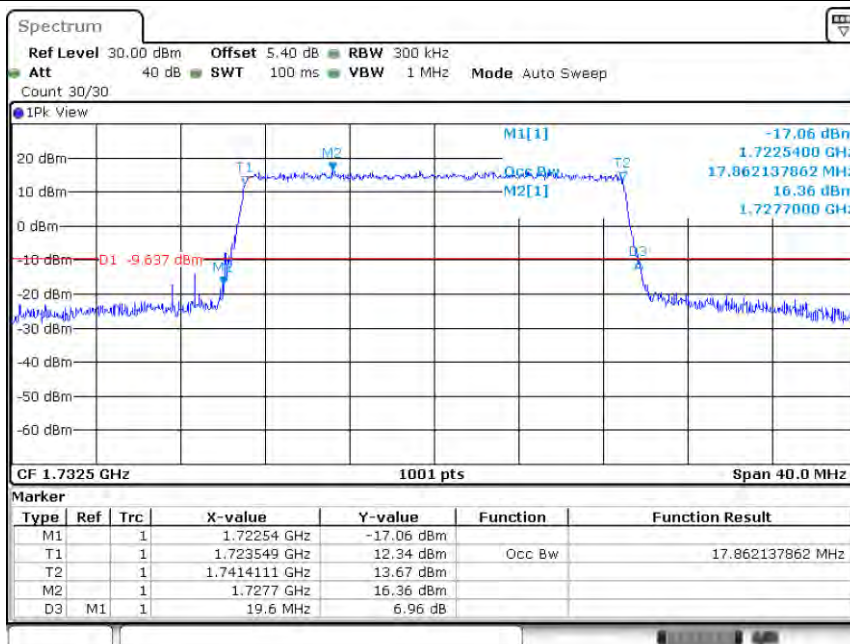
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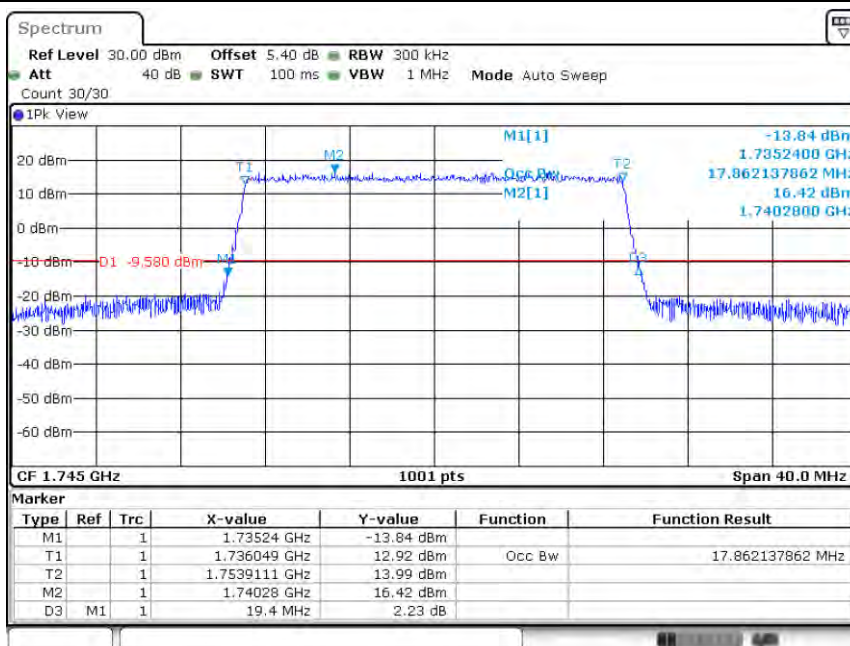


Band4-20MHz-16QAM-20175-100RB#0-17.862



Date: 14.APR.2021 03:33:00

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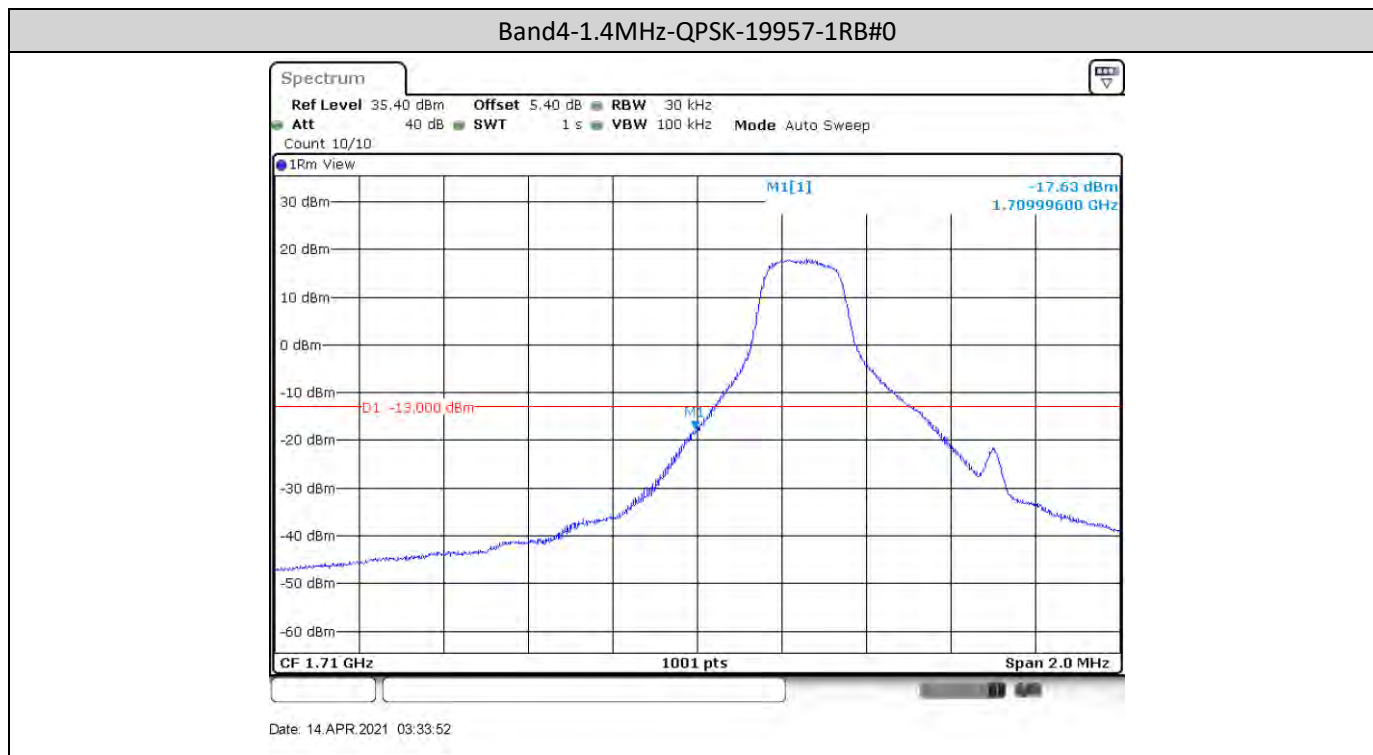
Date: 14.APR.2021 03:33:26





5. Band Edge Compliance

5.1. Test Plots



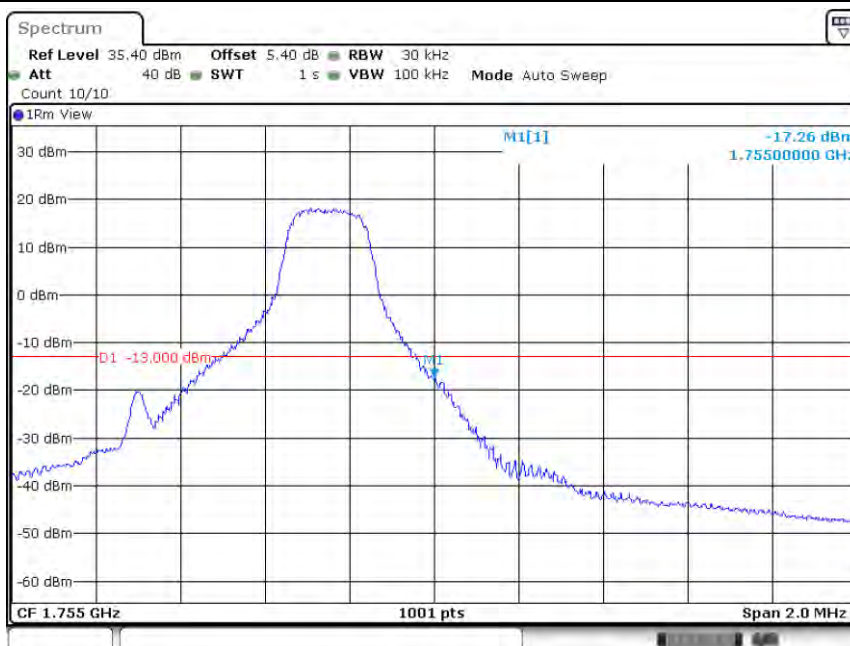


Band4-1.4MHz-QPSK-19957-6RB#0



Date: 14 APR 2021 03:34:33

Band4-1.4MHz-QPSK-20393-1RB#5



Date: 14 APR 2021 03:35:20

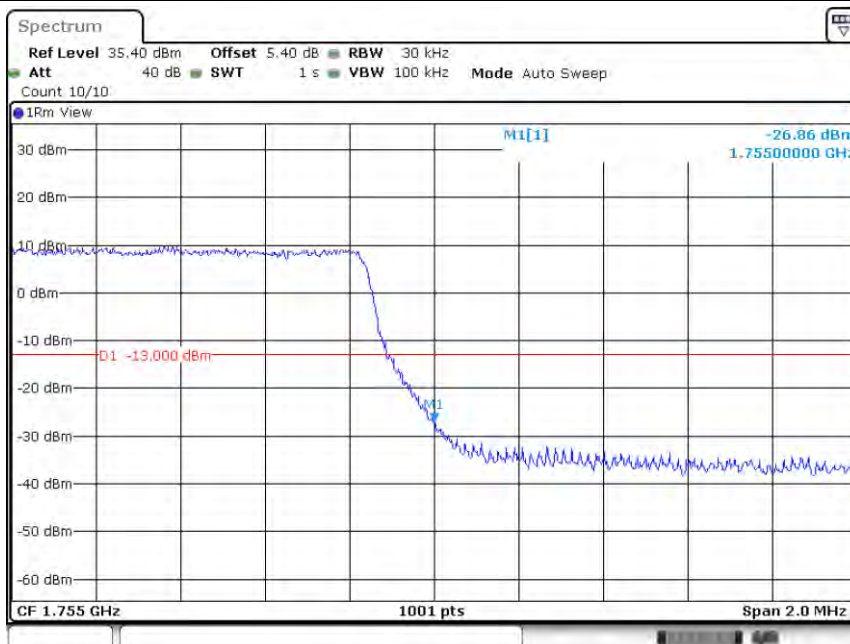


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Band4-1.4MHz-QPSK-20393-6RB#0



Date: 14.APR.2021 03:36:07

Band4-1.4MHz-64QAM-19957-1RB#0



Date: 29.MAR.2021 17:55:20

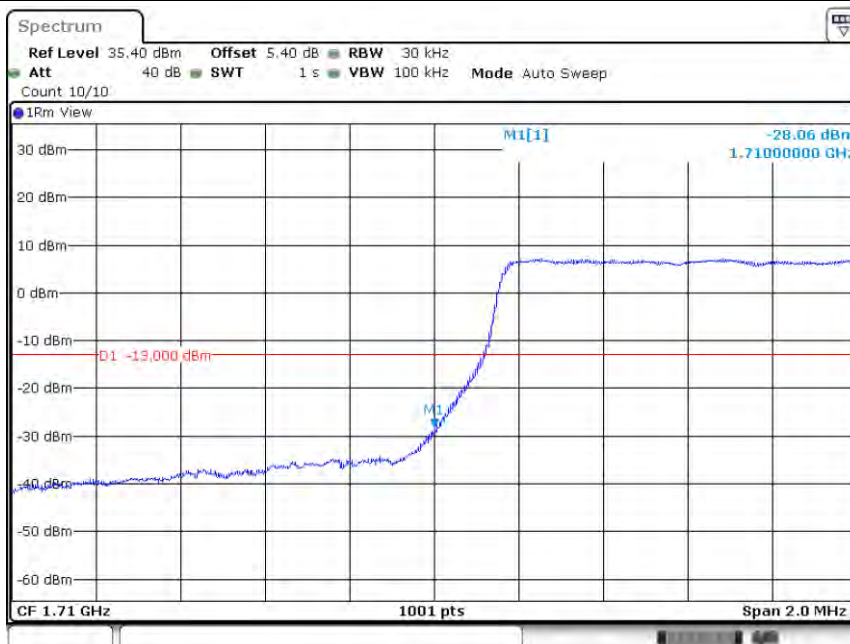


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Band4-1.4MHz-64QAM-19957-6RB#0



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Band4-1.4MHz-64QAM-20393-1RB#5



Date: 29.MAR.2021 17:56:06



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Band4-1.4MHz-64QAM-20393-6RB#0



Date: 29.MAR.2021 17:56:26

Band4-1.4MHz-16QAM-19957-1RB#0



Date: 14.APR.2021 03:34:13



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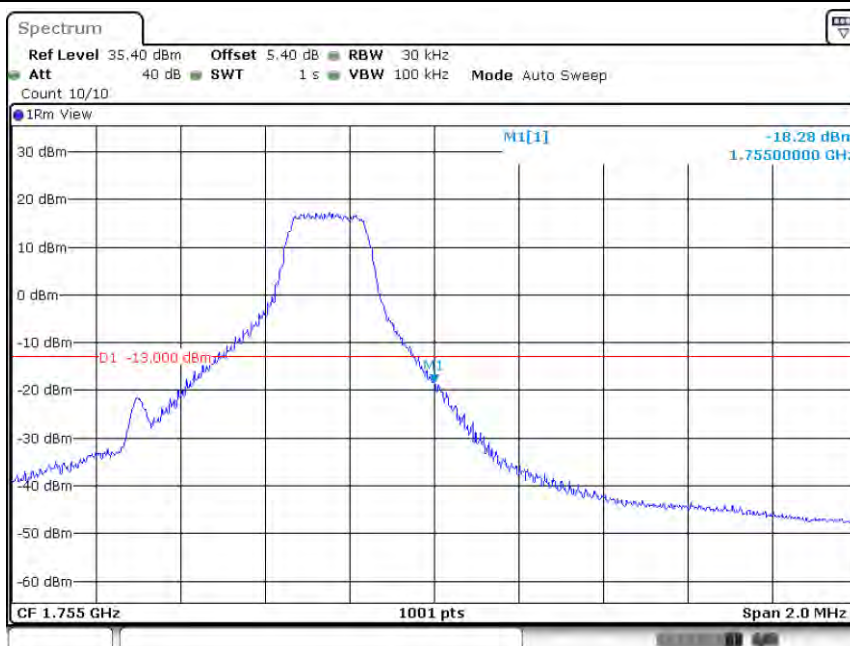


Band4-1.4MHz-16QAM-19957-6RB#0



Date: 14 APR 2021 03:34:55

Band4-1.4MHz-16QAM-20393-1RB#5



Date: 14 APR 2021 03:35:46

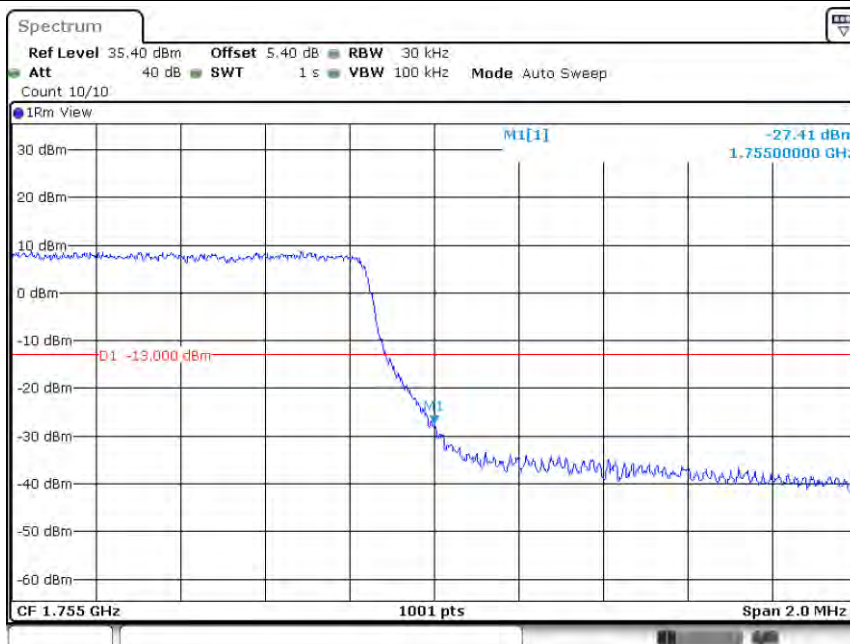


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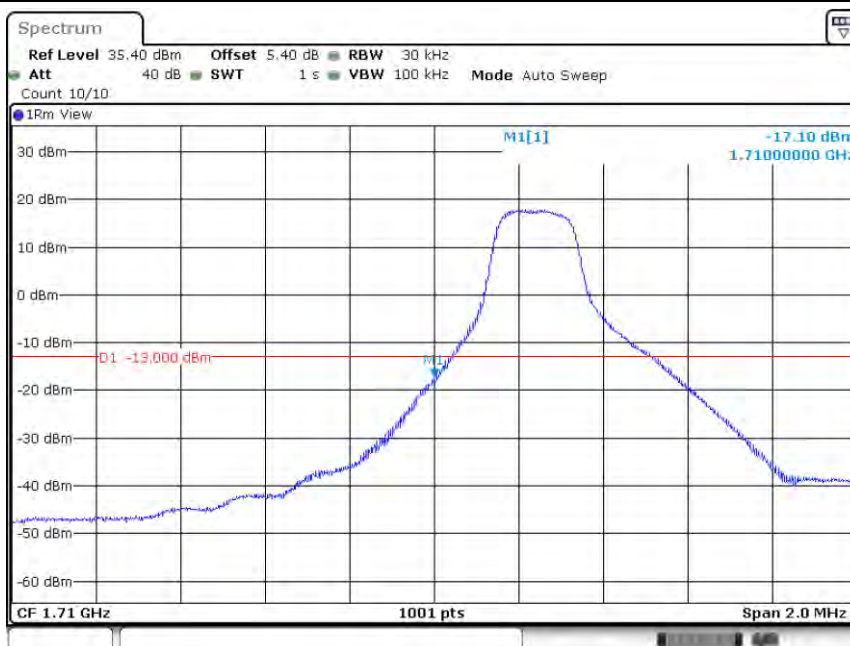


Band4-1.4MHz-16QAM-20393-6RB#0



Date: 14 APR 2021 03:36:28

Band4-3MHz-QPSK-19965-1RB#0



Date: 14 APR 2021 03:36:54



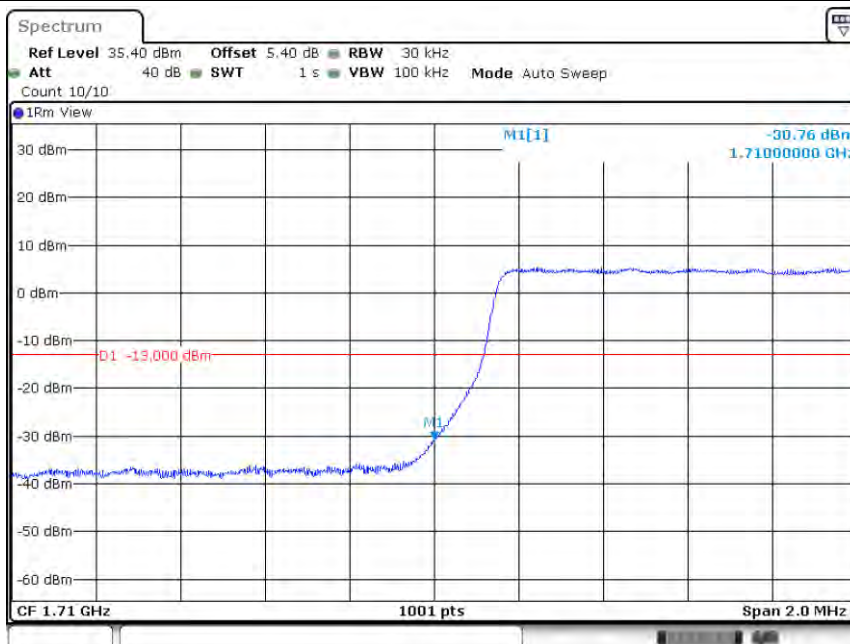
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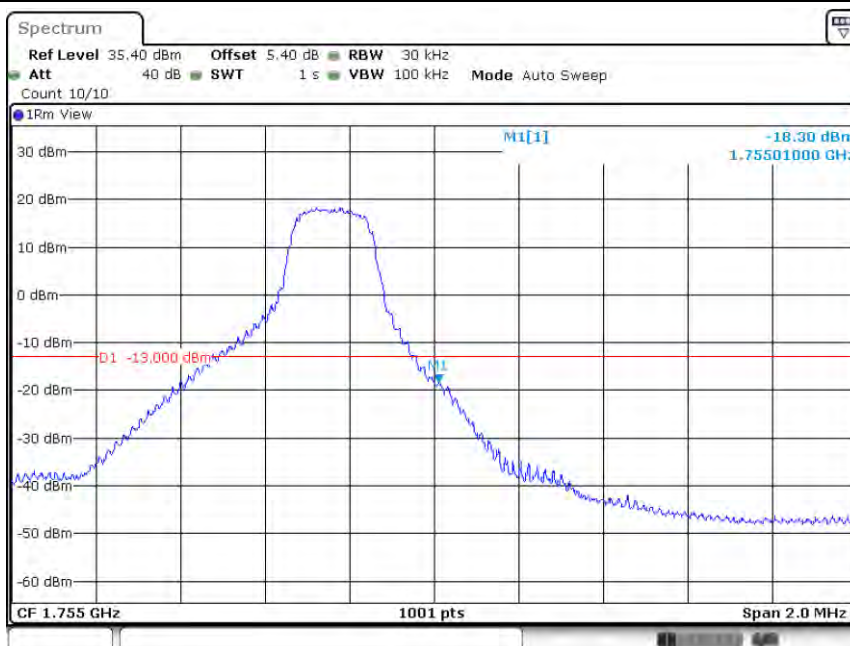


Band4-3MHz-QPSK-19965-15RB#0



Date: 14 APR 2021 03:37:36

Band4-3MHz-QPSK-20385-1RB#14



Date: 14 APR 2021 03:38:21

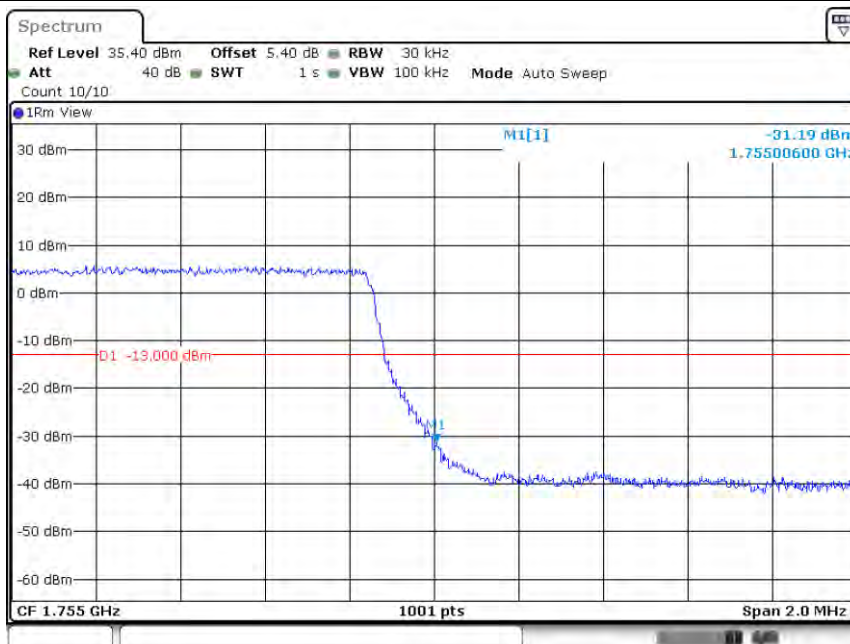


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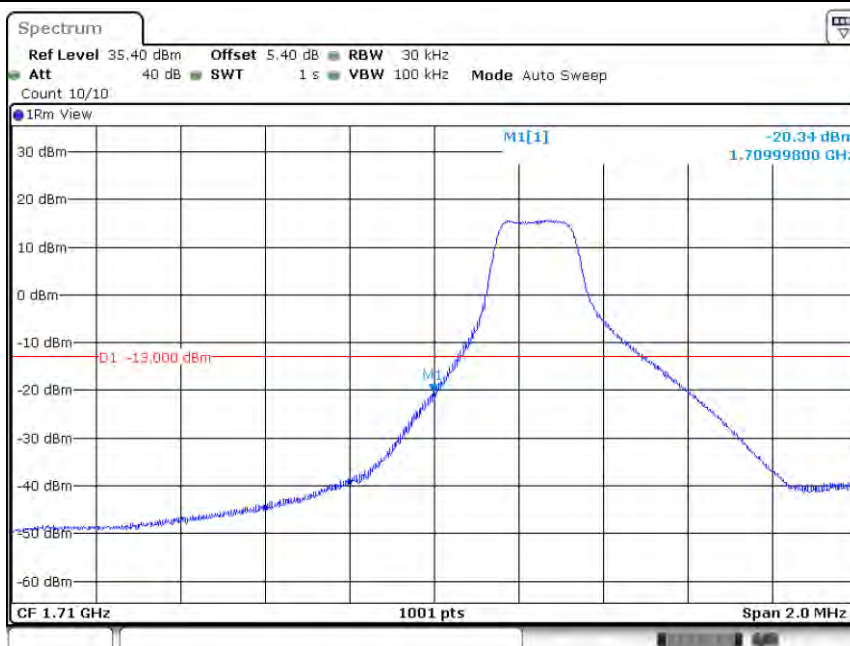


Band4-3MHz-QPSK-20385-15RB#0



Date: 14.APR.2021 03:39:03

Band4-3MHz-64QAM-19965-1RB#0



Date: 29.MAR.2021 17:56:52



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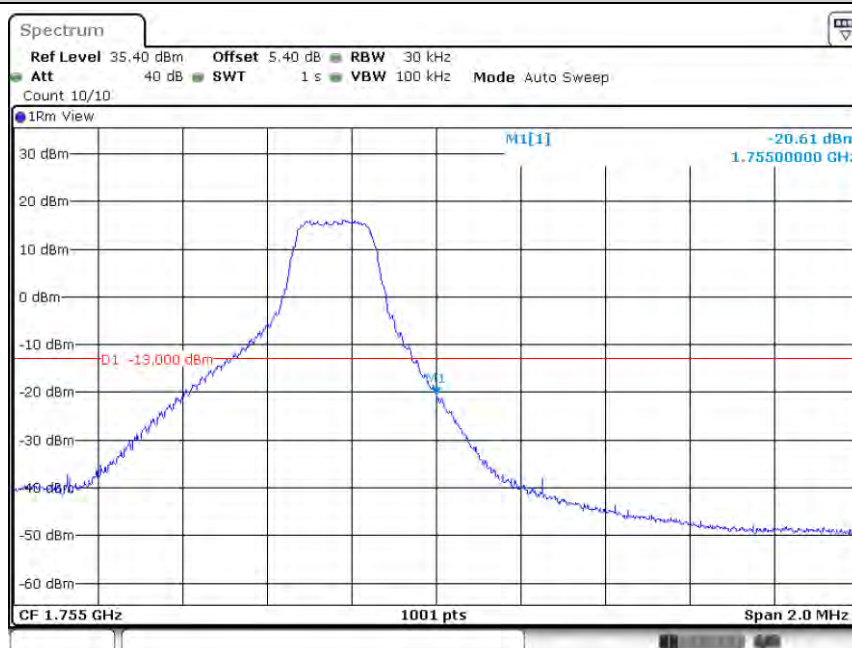


Band4-3MHz-64QAM-19965-15RB#0



Date: 29.MAR.2021 17:57:13

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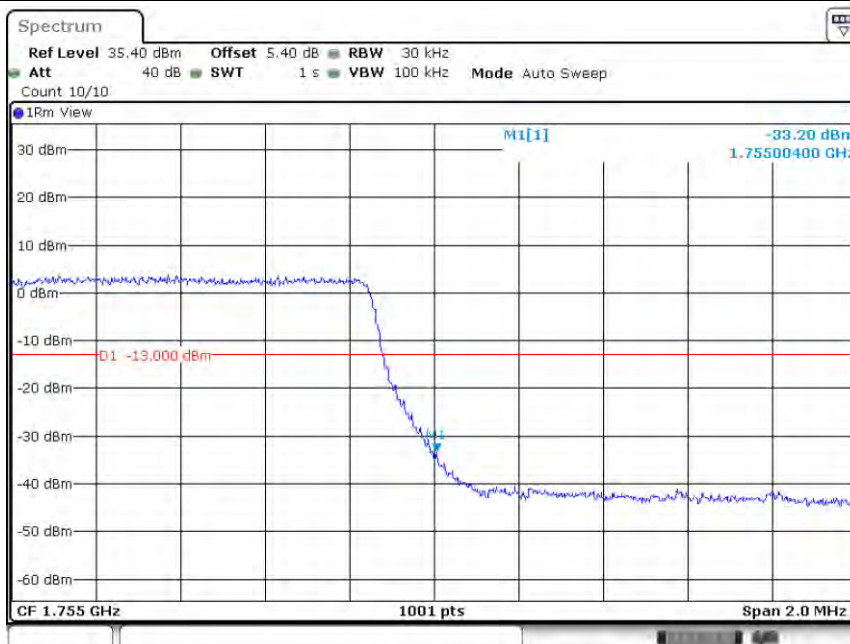


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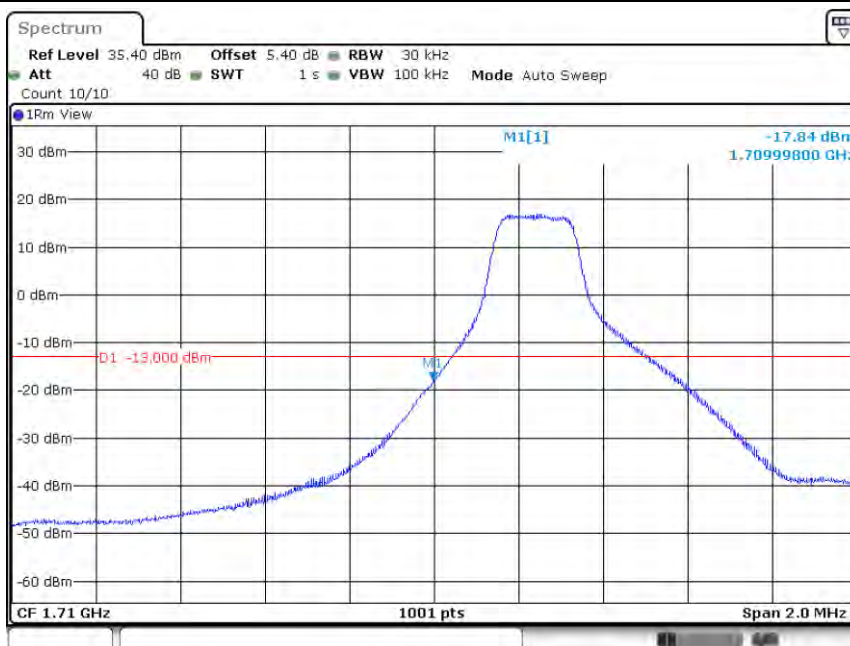


Band4-3MHz-64QAM-20385-15RB#0



Date: 29.MAR.2021 17:58:04

Band4-3MHz-16QAM-19965-1RB#0

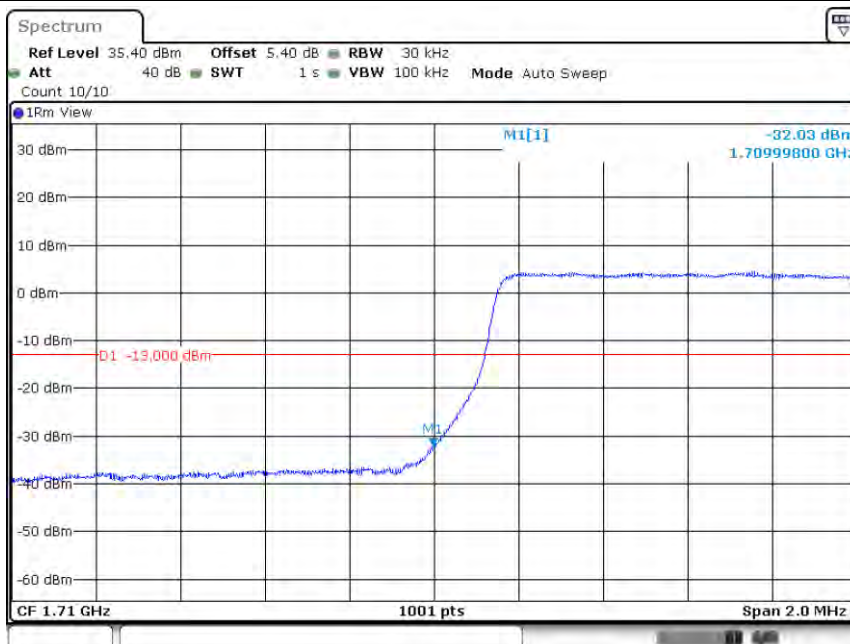


Date: 14.APR.2021 03:37:15



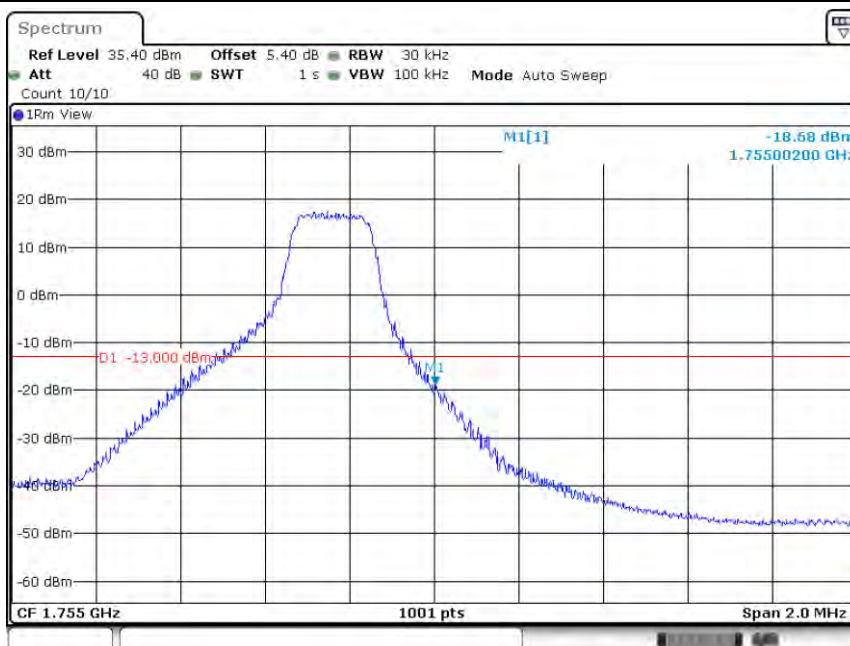


Band4-3MHz-16QAM-19965-15RB#0



Date: 14.APR.2021 03:37:56

Band4-3MHz-16QAM-20385-1RB#14



Date: 14.APR.2021 03:38:42

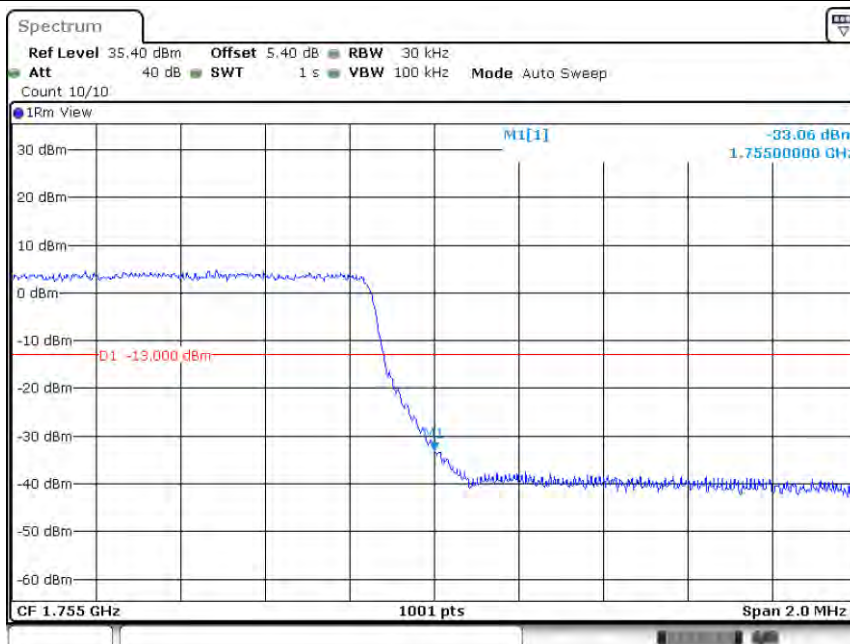


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Band4-3MHz-16QAM-20385-15RB#0



Date: 14 APR 2021 03:39:23

Band4-5MHz-QPSK-19975-1RB#0



Date: 14 APR 2021 03:39:49



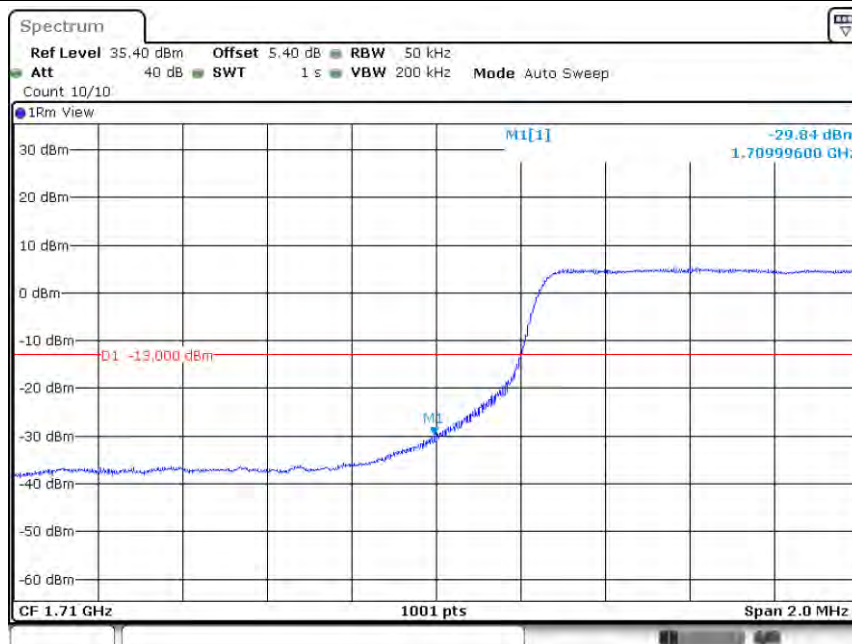
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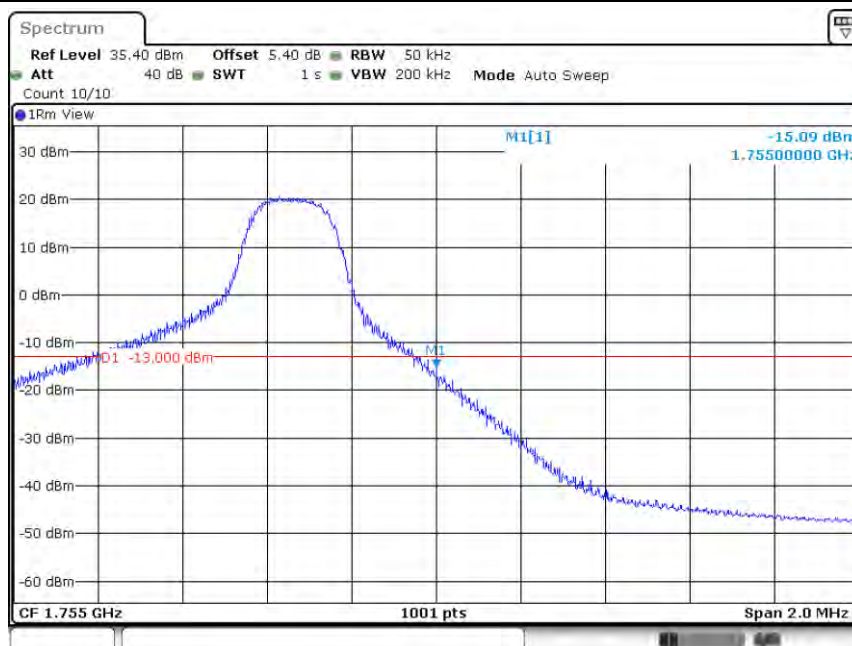


Band4-5MHz-QPSK-19975-25RB#0



Date: 14 APR 2021 03:40:30

Band4-5MHz-QPSK-20375-1RB#24



Date: 14 APR 2021 03:41:16

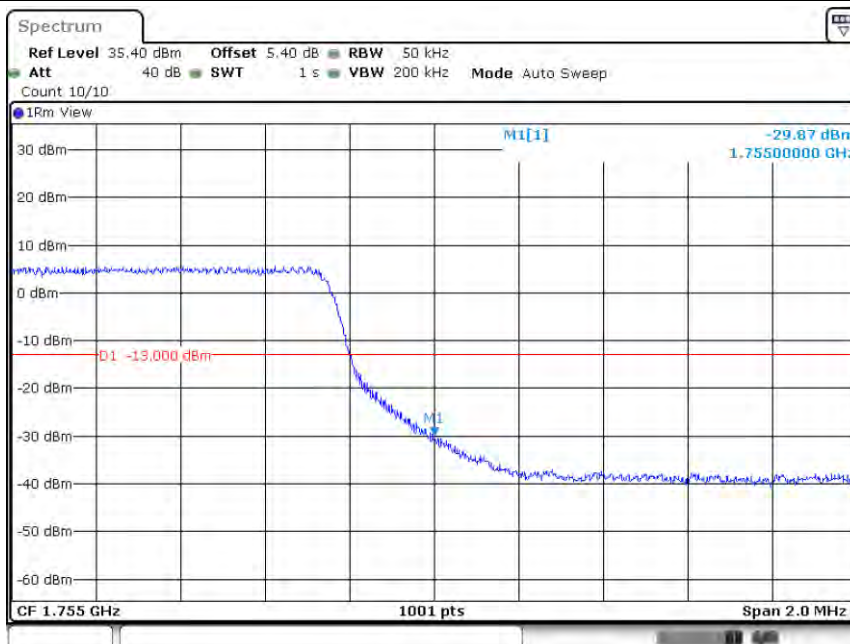


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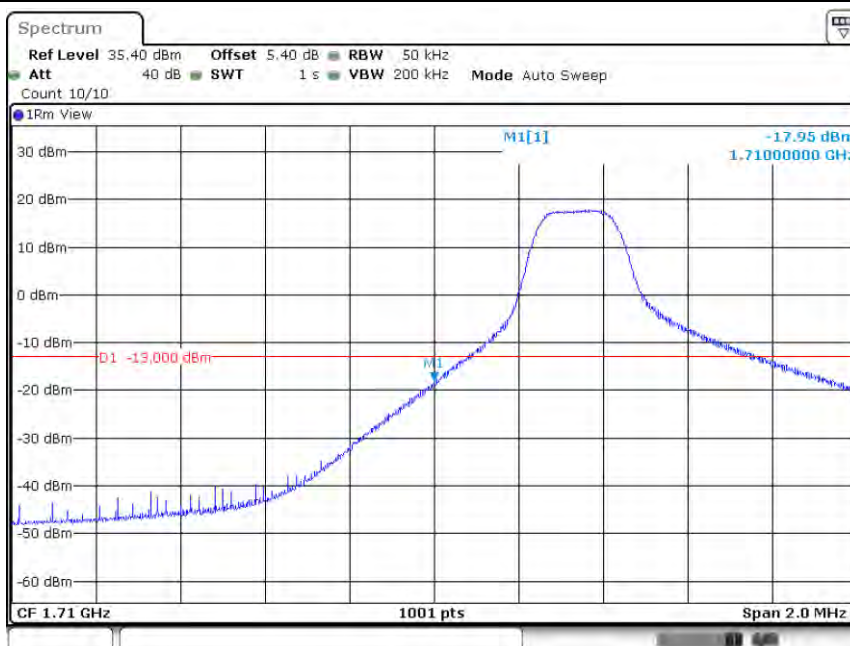


Band4-5MHz-QPSK-20375-25RB#0



Date: 14.APR.2021 03:41:58

Band4-5MHz-64QAM-19975-1RB#0



Date: 29.MAR.2021 17:58:30



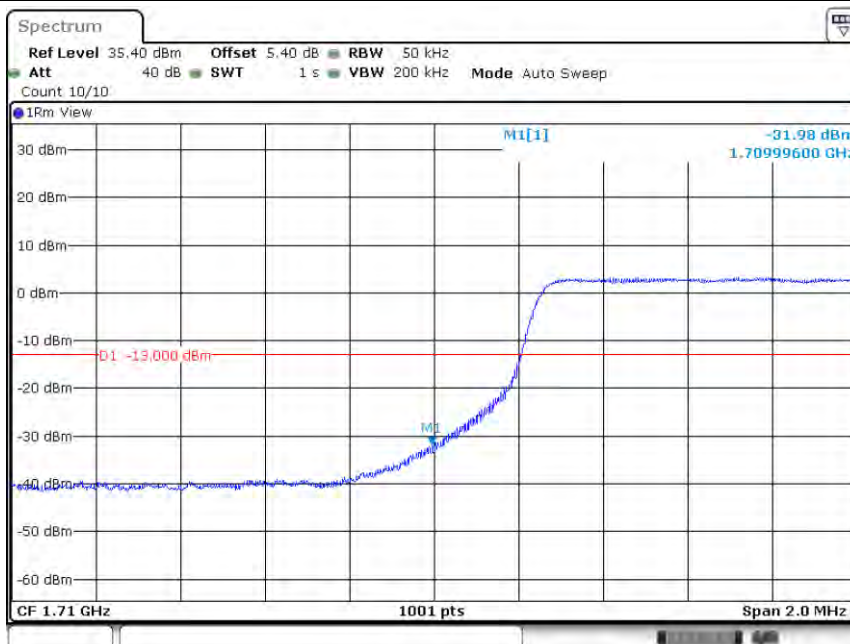
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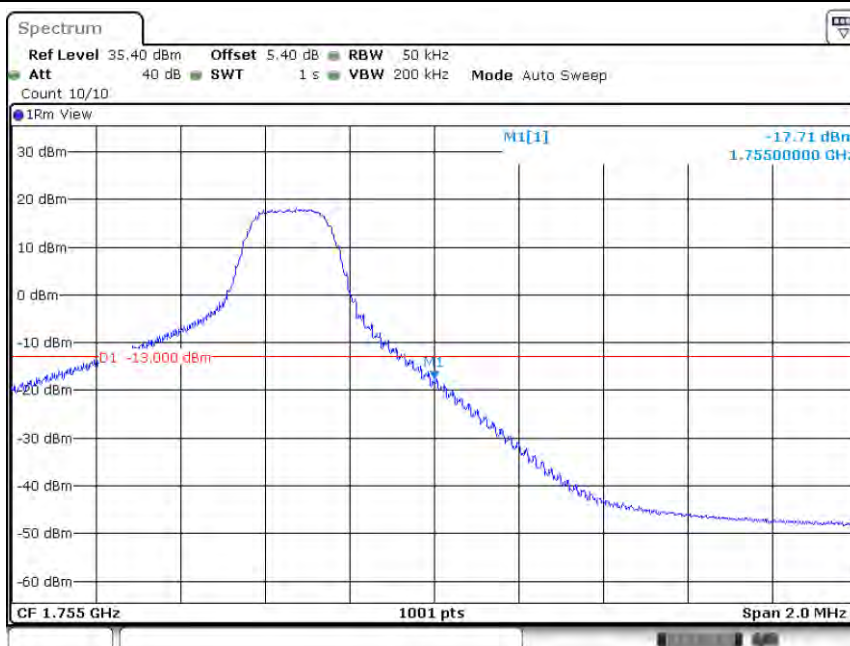


Band4-5MHz-64QAM-19975-25RB#0



Date: 29.MAR.2021 17:58:50

Band4-5MHz-64QAM-20375-1RB#24



Date: 29.MAR.2021 17:59:16



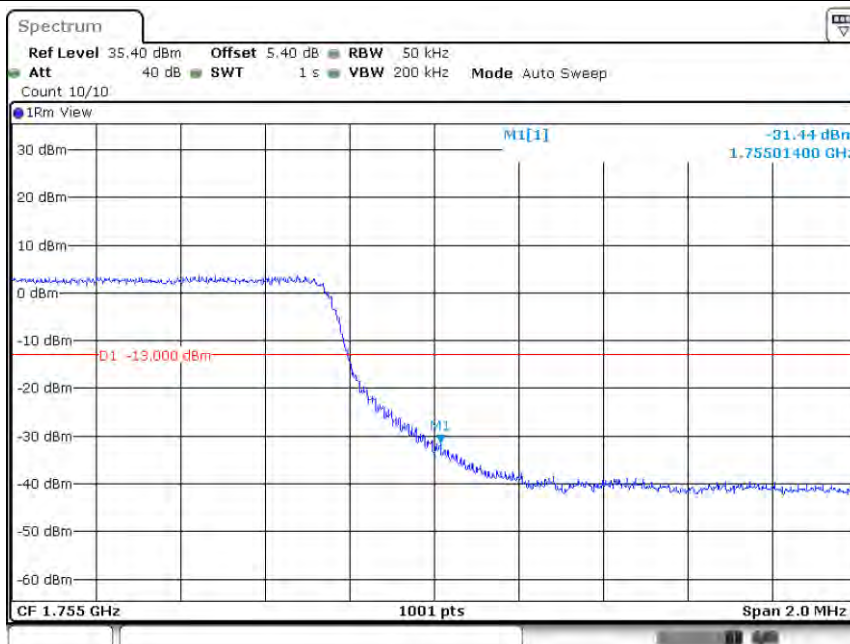
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Band4-5MHz-16QAM-19975-1RB#0



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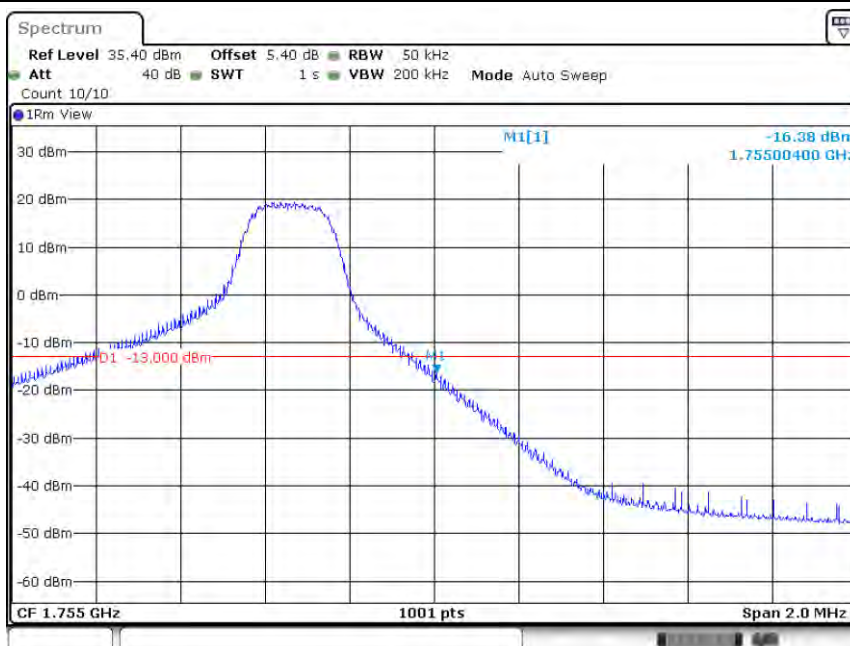


Band4-5MHz-16QAM-19975-25RB#0



Date: 14 APR 2021 03:40:51

Band4-5MHz-16QAM-20375-1RB#24



Date: 14 APR 2021 03:41:37

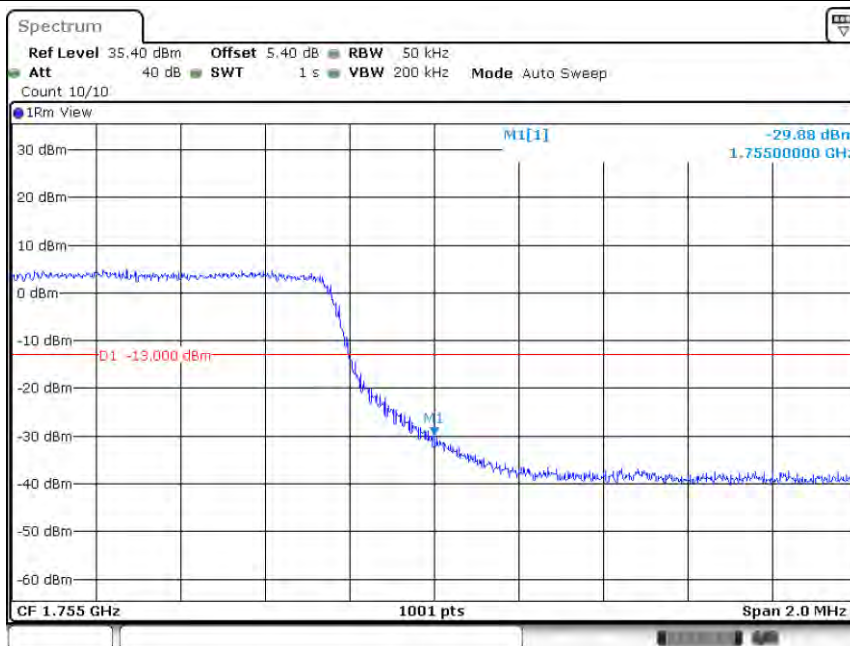


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Band4-5MHz-16QAM-20375-25RB#0



Date: 14 APR 2021 03:42:19

Band4-10MHz-QPSK-20000-1RB#0



Date: 14 APR 2021 03:42:45



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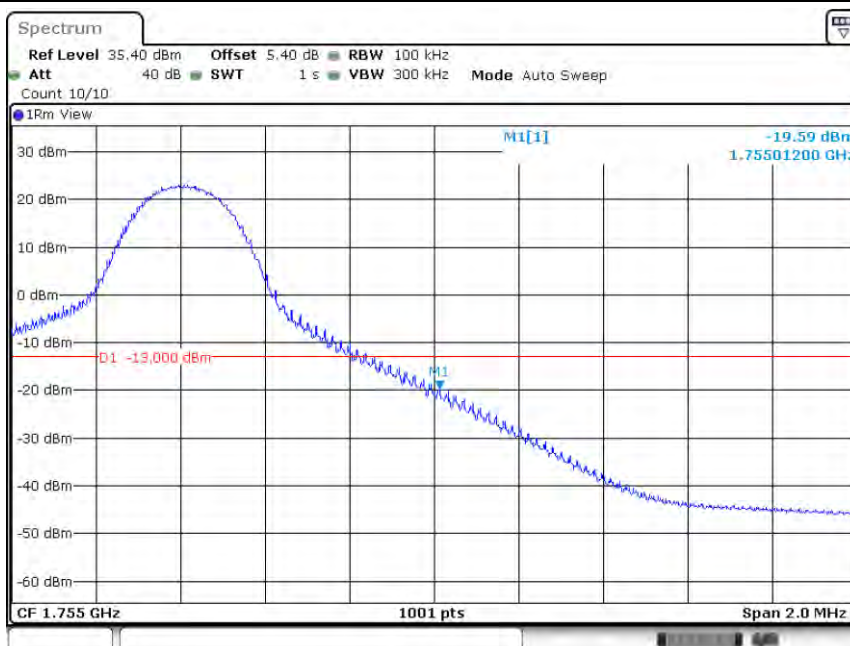


Band4-10MHz-QPSK-20000-50RB#0



Date: 14 APR 2021 03:43:27

Band4-10MHz-QPSK-20350-1RB#49



Date: 14 APR 2021 03:44:12



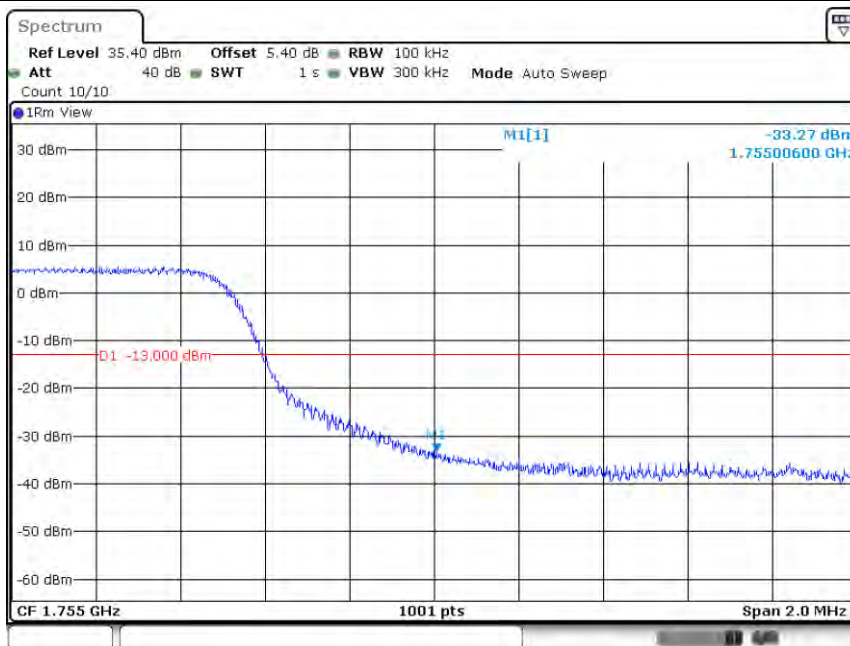
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Band4-10MHz-QPSK-20350-50RB#0



Date: 14.APR.2021 03:44:55

Band4-10MHz-64QAM-20000-1RB#0



Date: 29.MAR.2021 18:00:03



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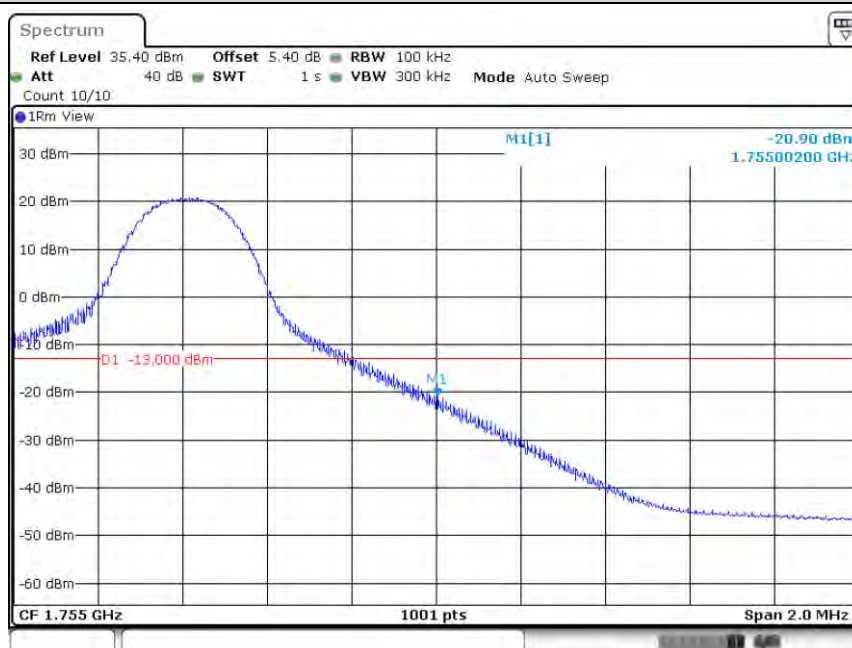


Band4-10MHz-64QAM-20000-50RB#0



Date: 29.MAR.2021 18:00:24

Band4-10MHz-64QAM-20350-1RB#49



Date: 29.MAR.2021 18:00:49



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Band4-10MHz-64QAM-20350-50RB#0



Date: 29.MAR.2021 18:01:10

Band4-10MHz-16QAM-20000-1RB#0



Date: 14.APR.2021 03:43:06



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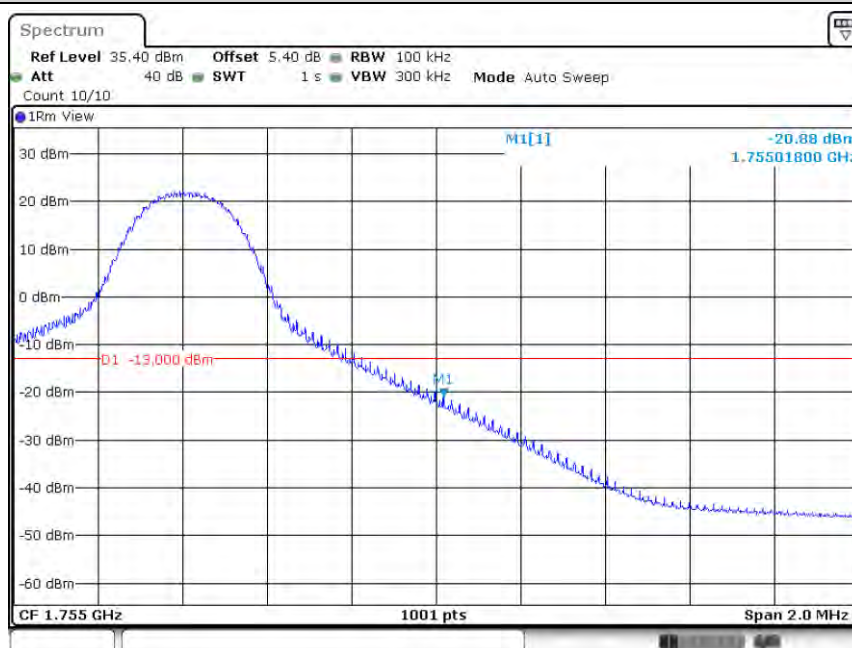


Band4-10MHz-16QAM-20000-50RB#0



Date: 14 APR 2021 03:43:47

Band4-10MHz-16QAM-20350-1RB#49



Date: 14 APR 2021 03:44:33

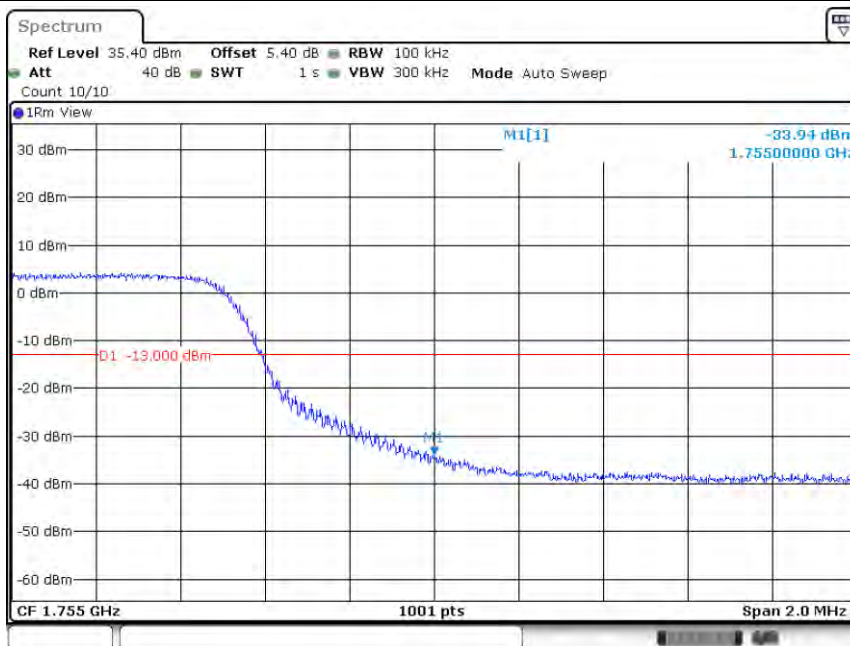


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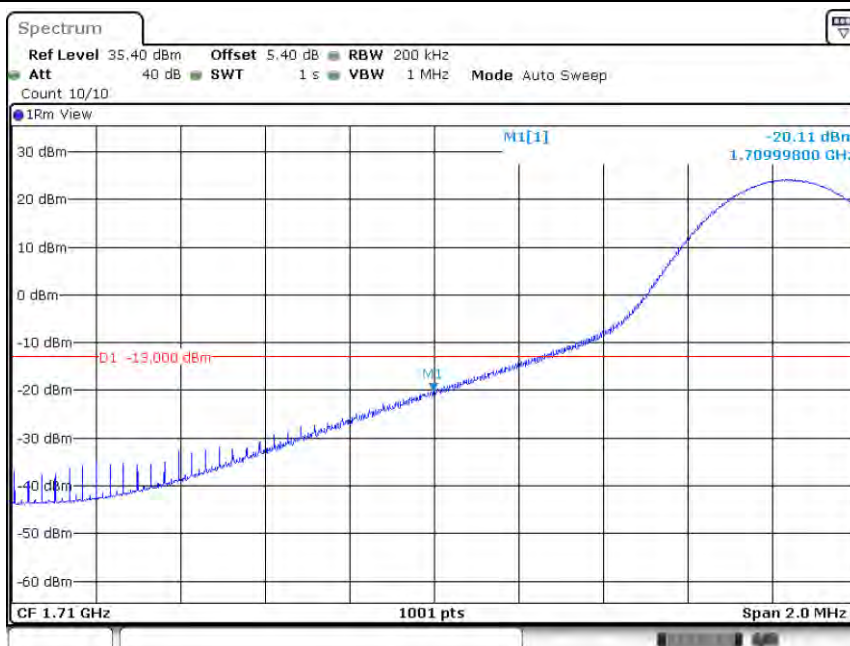


Band4-10MHz-16QAM-20350-50RB#0



Date: 14.APR.2021 03:45:16

Band4-15MHz-QPSK-20025-1RB#0



Date: 14.APR.2021 03:45:41



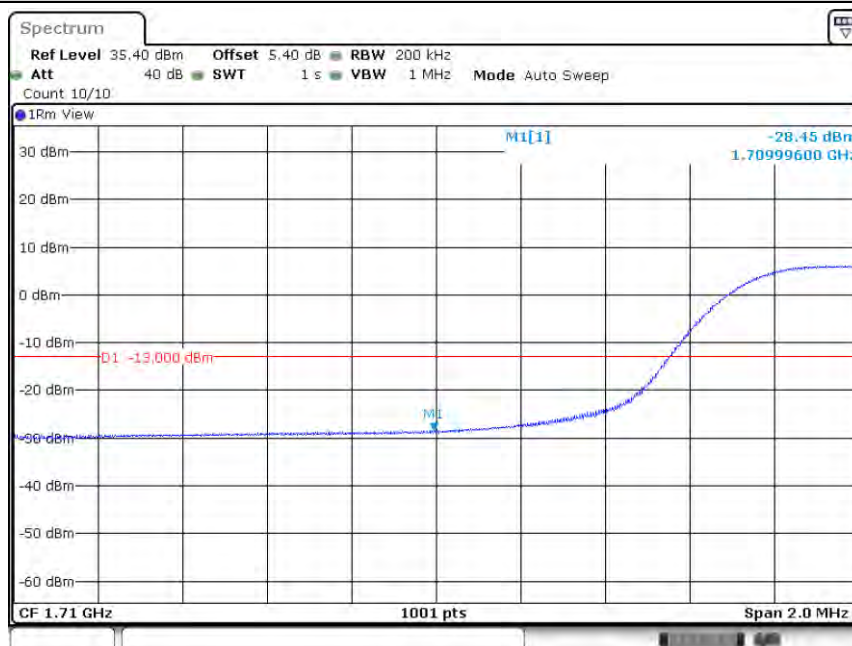
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Band4-15MHz-QPSK-20025-75RB#0



Date: 14.APR.2021 03:46:22

Band4-15MHz-QPSK-20325-1RB#74



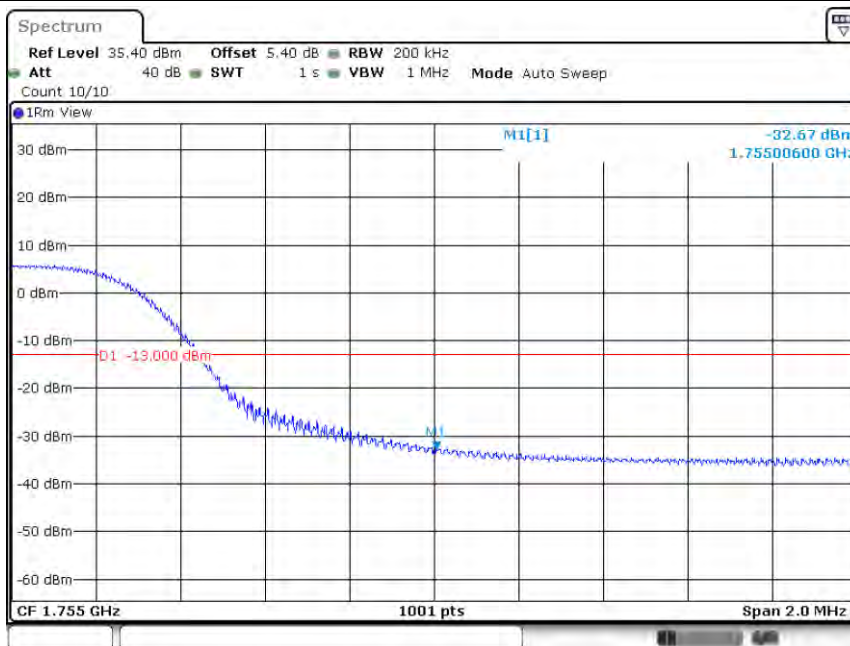
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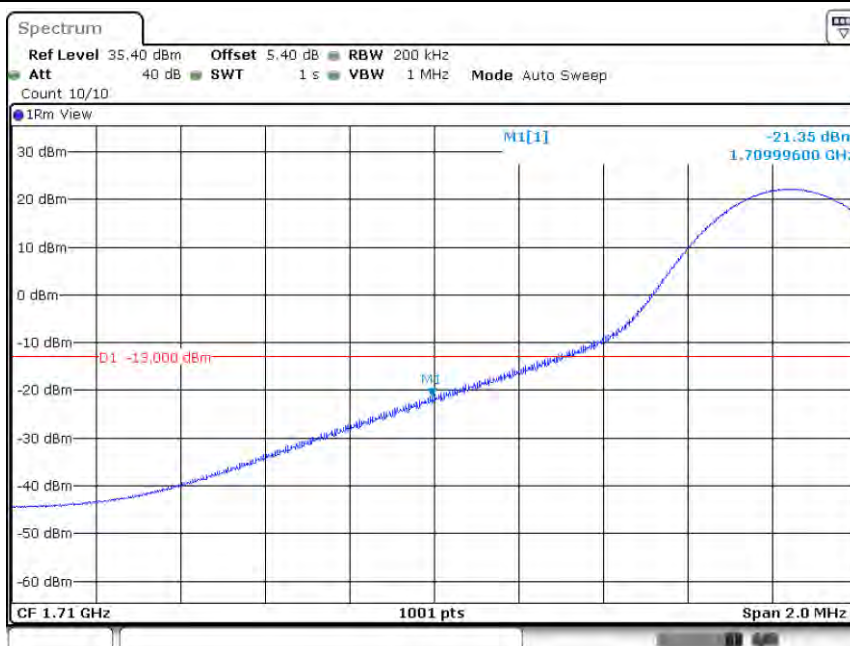


Band4-15MHz-QPSK-20325-75RB#0



Date: 14.APR.2021 03:47:50

Band4-15MHz-64QAM-20025-1RB#0



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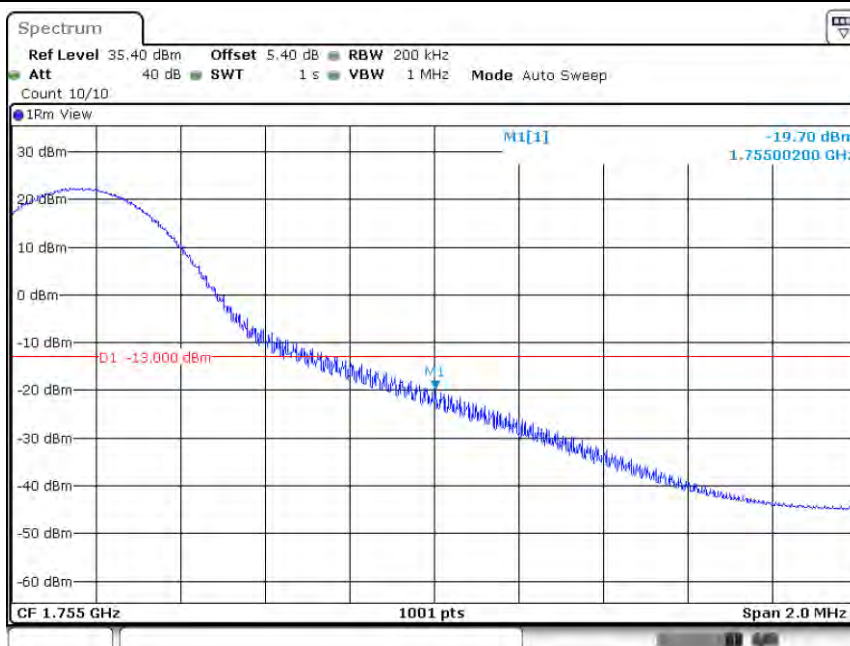


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Date: 29.MAR.2021 18:01:57

Band4-15MHz-64QAM-20325-1RB#74



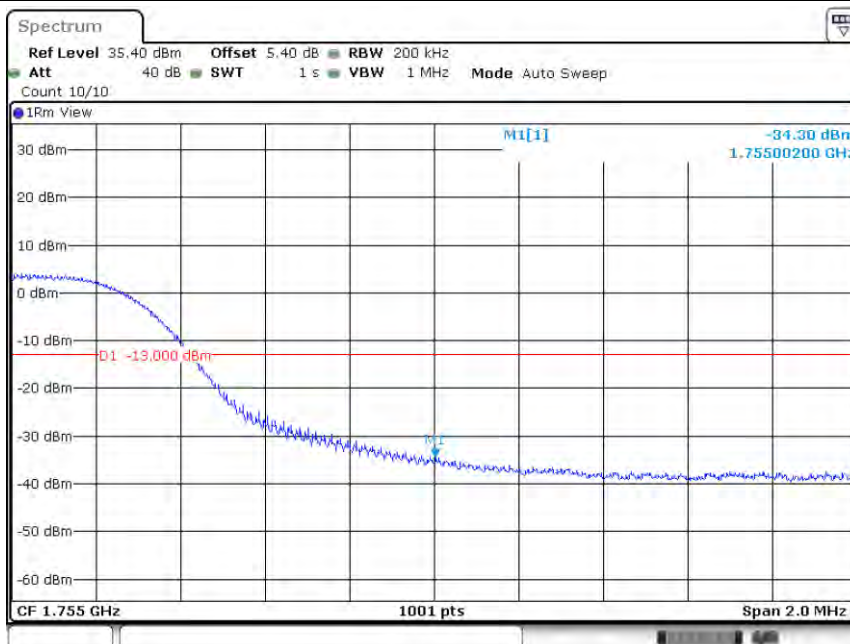
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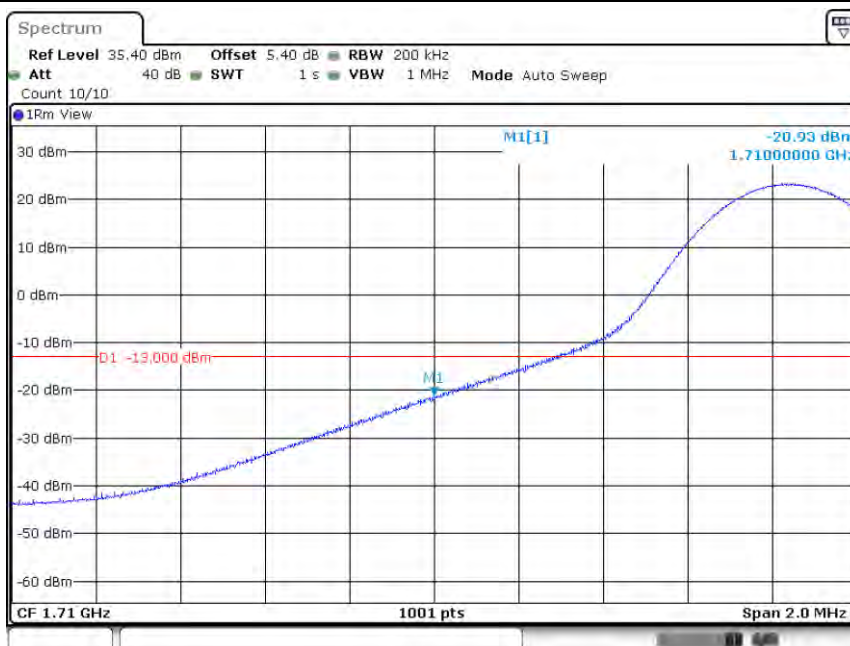


Band4-15MHz-64QAM-20325-75RB#0



Date: 29.MAR.2021 18:02:44

Band4-15MHz-16QAM-20025-1RB#0



Date: 14.APR.2021 03:46:02

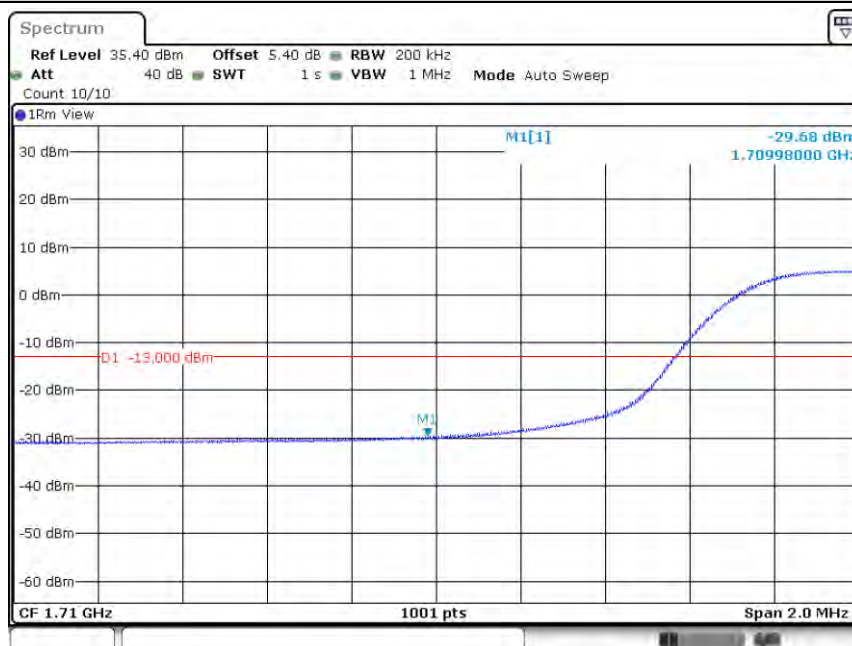


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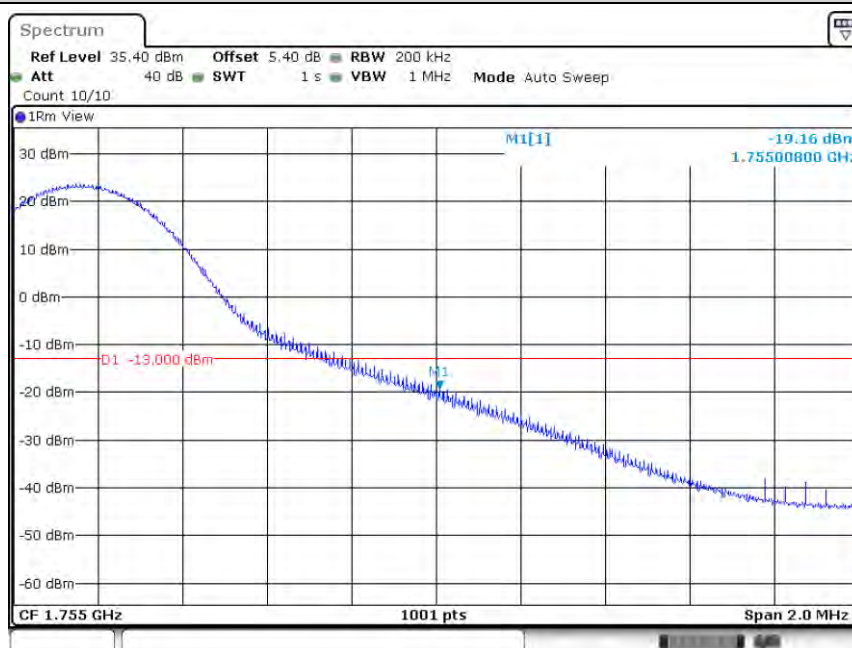


Band4-15MHz-16QAM-20025-75RB#0



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Band4-15MHz-16QAM-20325-1RB#74



Date: 14 APR 2021 03:47:29



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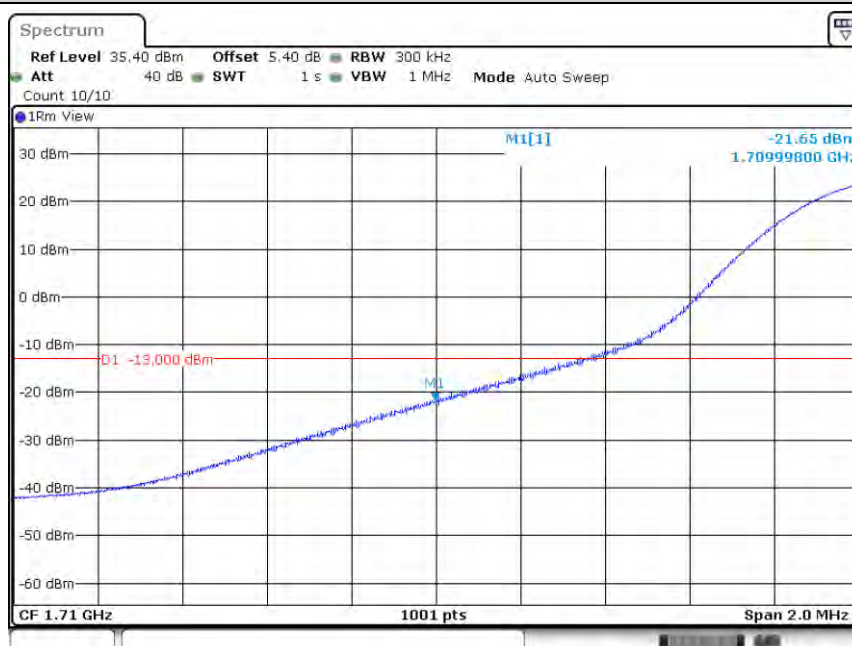


Band4-15MHz-16QAM-20325-75RB#0



Date: 14 APR 2021 03:48:11

Band4-20MHz-QPSK-20050-1RB#0



Date: 14 APR 2021 03:48:36

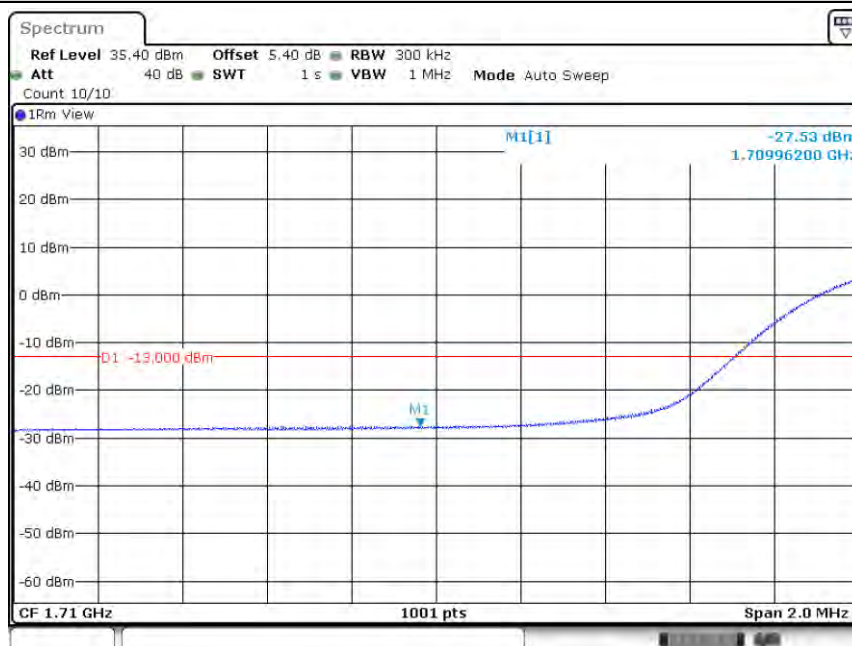


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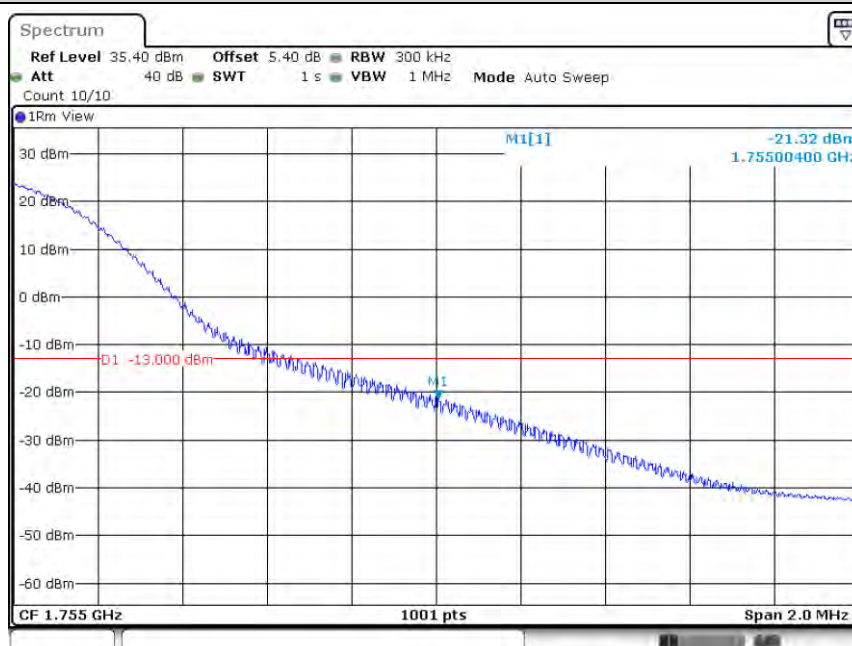


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Date: 14 APR 2021 03:49:18

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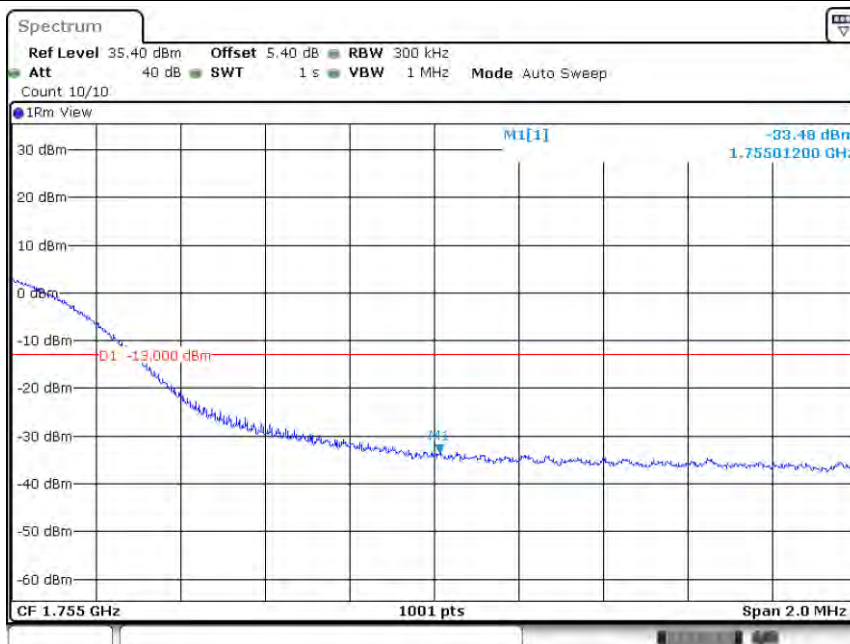
Date: 14 APR 2021 03:50:04



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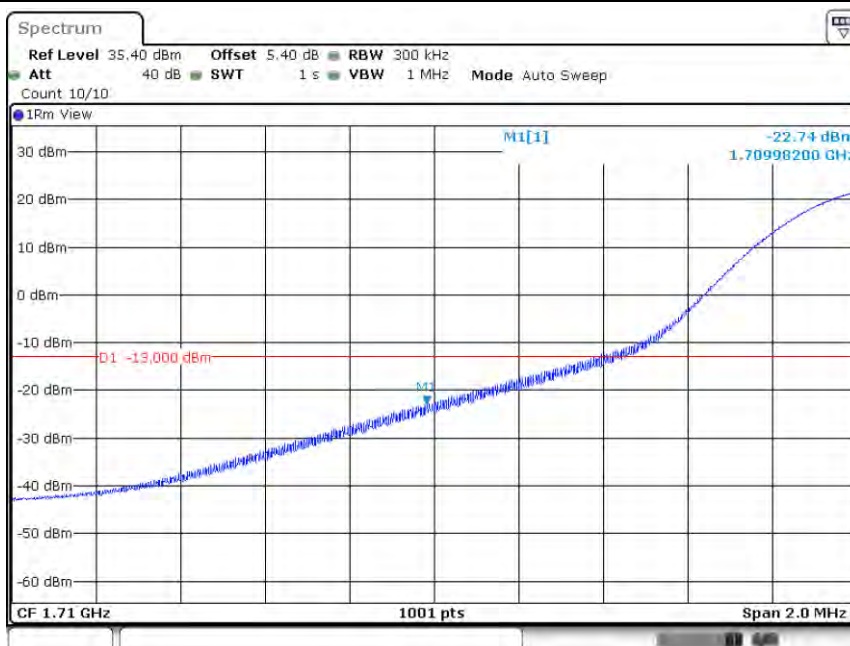


Band4-20MHz-QPSK-20300-100RB#0



Date: 14.APR.2021 03:50:46

Band4-20MHz-64QAM-20050-1RB#0



Date: 29.MAR.2021 18:03:10



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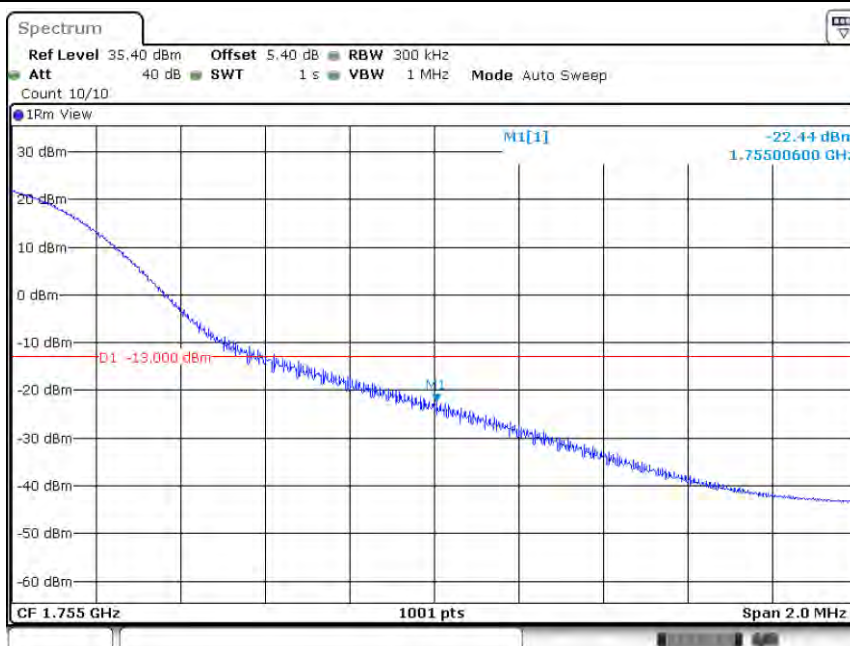


Band4-20MHz-64QAM-20050-100RB#0



Date: 29.MAR.2021 18:03:30

Band4-20MHz-64QAM-20300-1RB#99

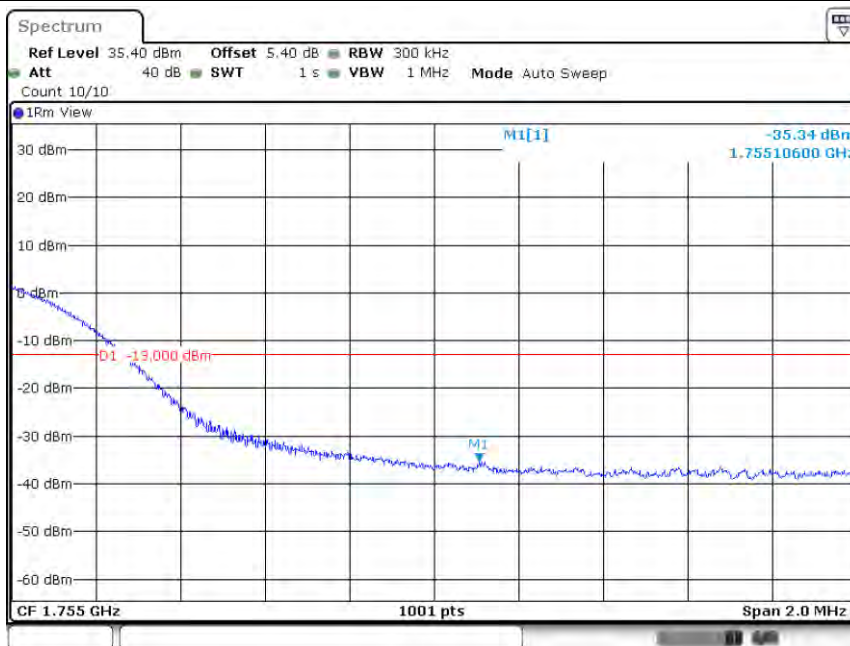


Date: 29.MAR.2021 18:03:56



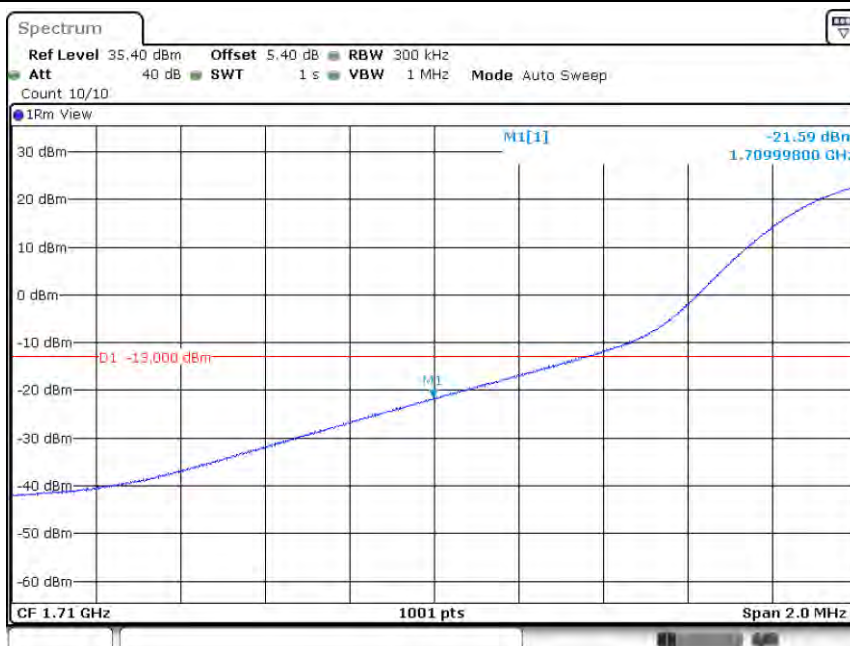


Band4-20MHz-64QAM-20300-100RB#0



Date: 29.MAR.2021 18:04:17

Band4-20MHz-16QAM-20050-1RB#0



Date: 14.APR.2021 03:48:57



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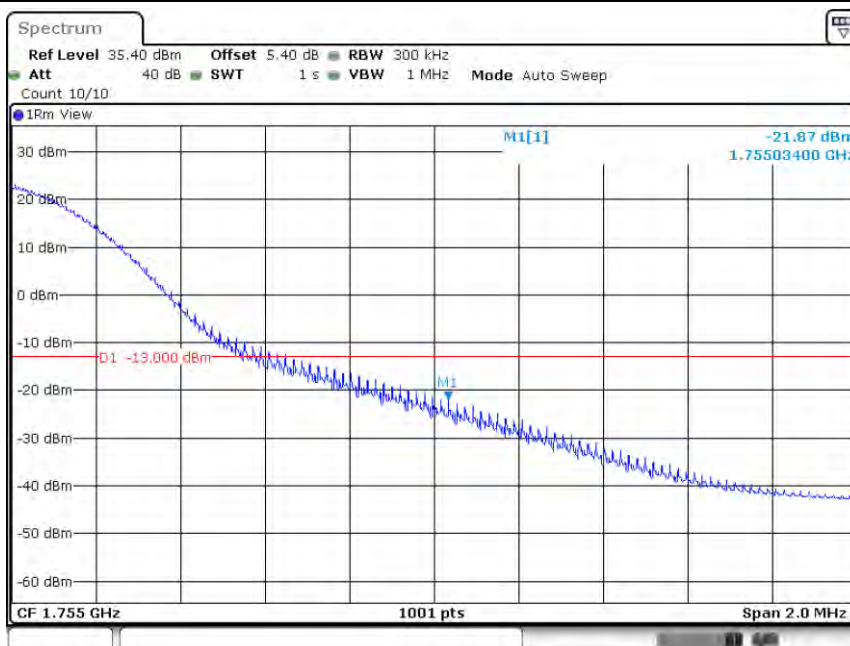


Band4-20MHz-16QAM-20050-100RB#0



Date: 14 APR 2021 03:49:38

Band4-20MHz-16QAM-20300-1RB#99



Date: 14 APR 2021 03:50:25

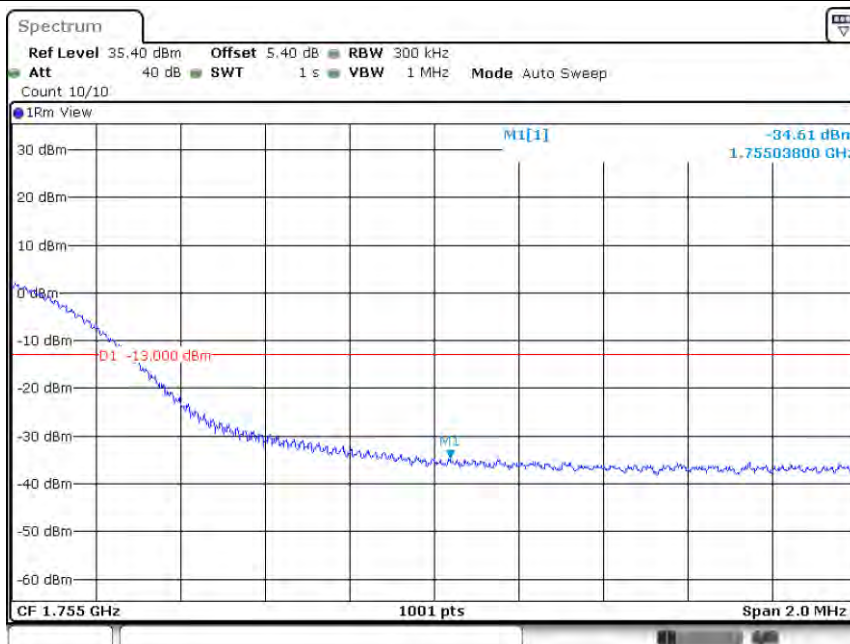


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Band4-20MHz-16QAM-20300-100RB#0



Date: 14.APR.2021 03:51:07



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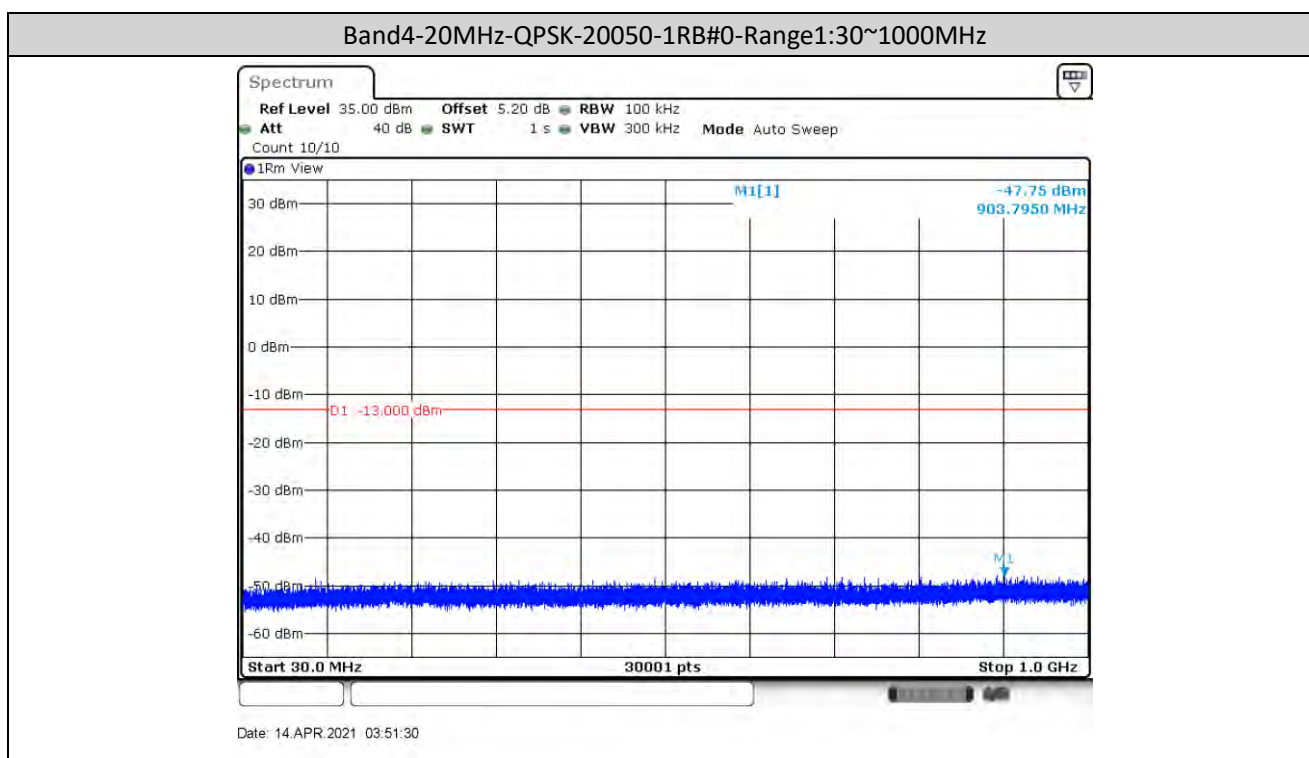
6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

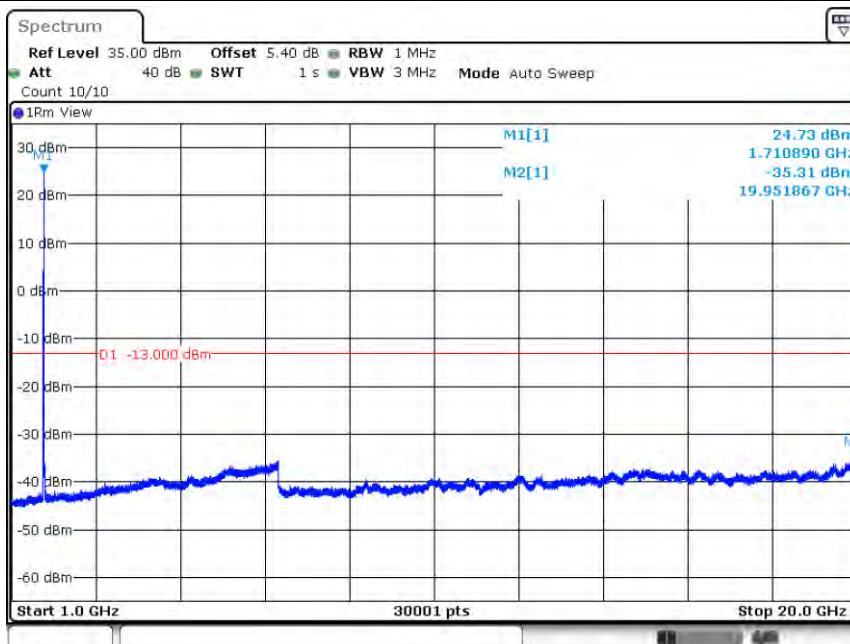
Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

6.1. Test Plots

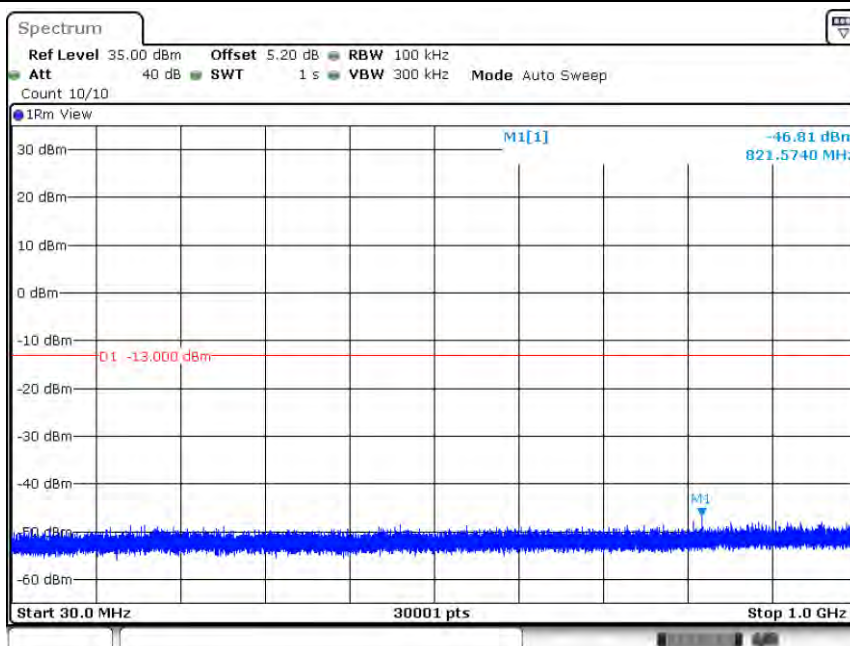


Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 14 APR 2021 03:51:47

Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



Date: 14 APR 2021 03:52:42

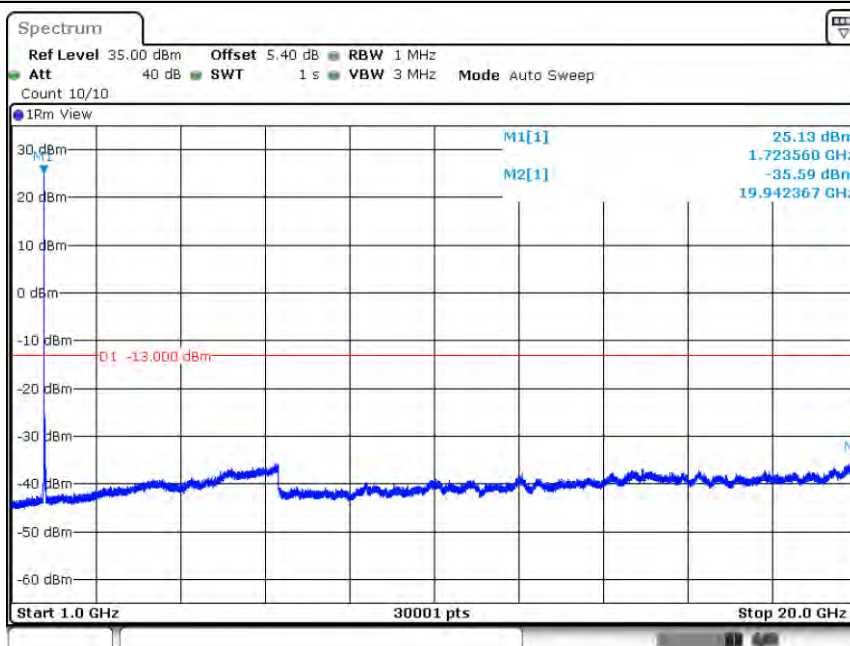


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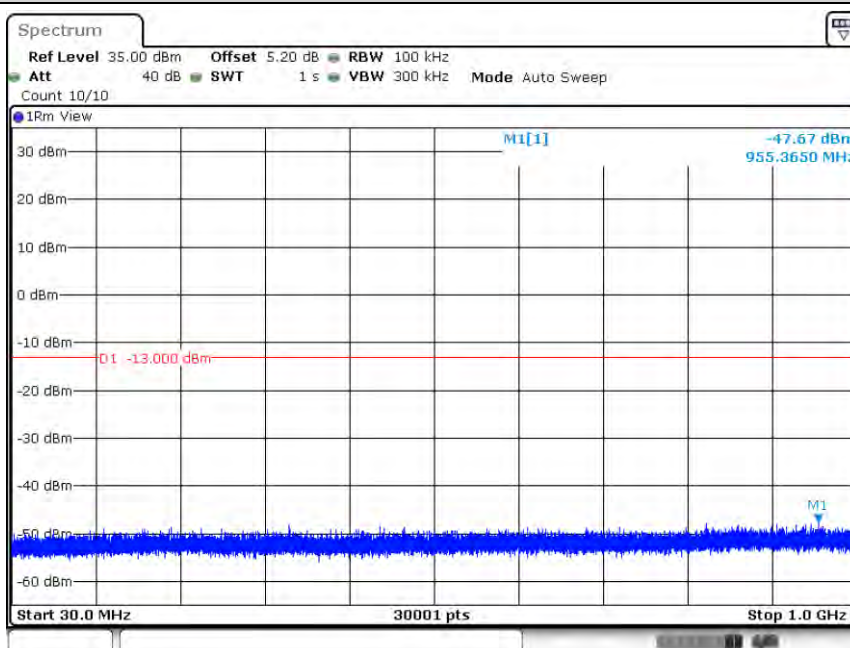
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Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 14 APR 2021 03:52:58

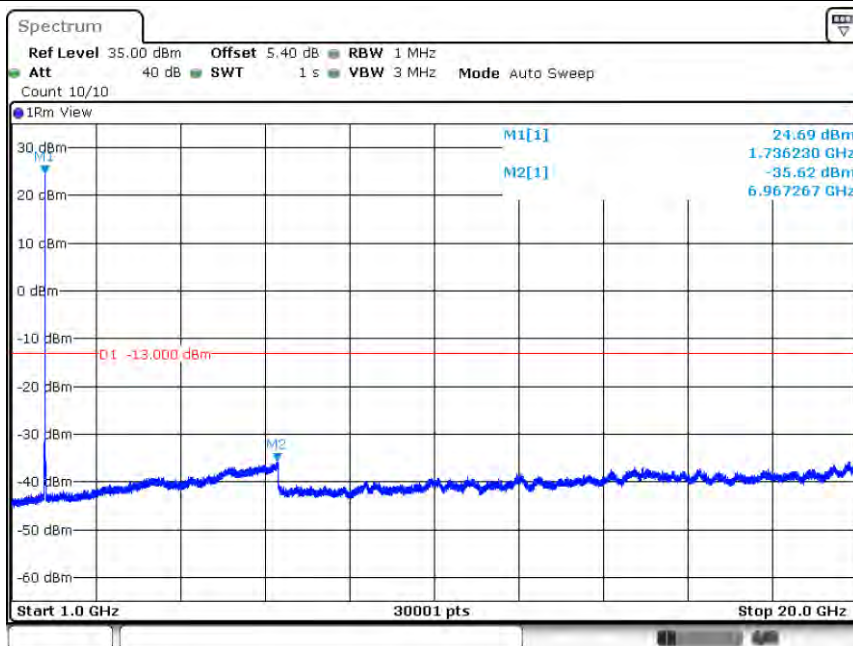
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



Date: 14 APR 2021 03:53:53

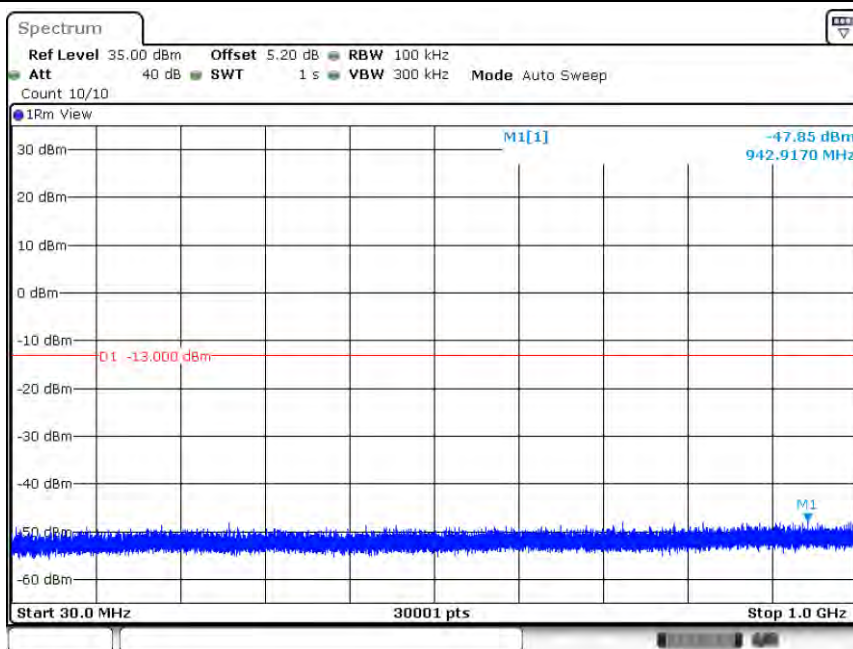


Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 14 APR 2021 03:54:10

Band4-20MHz-64QAM-20050-1RB#0-Range1:30~1000MHz

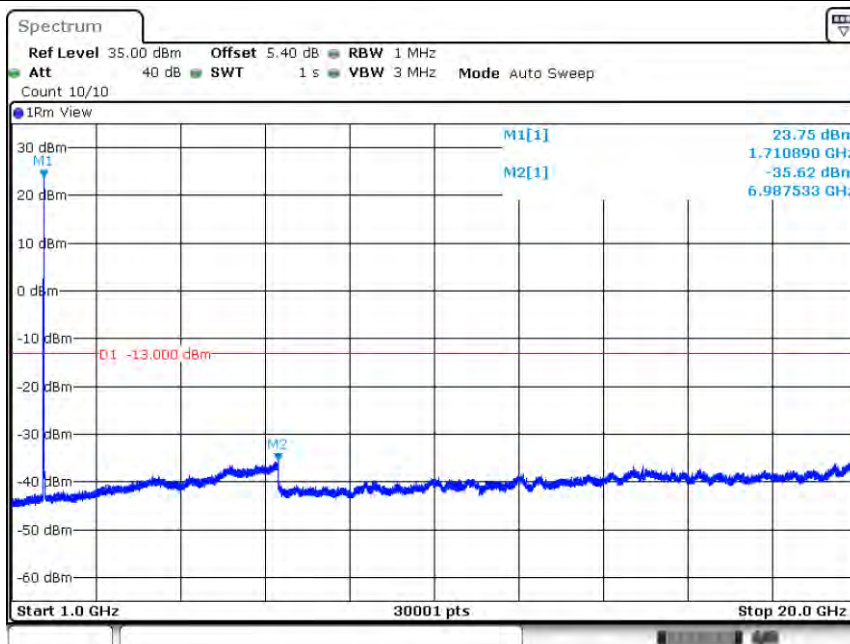


Date: 14 APR 2021 04:40:31



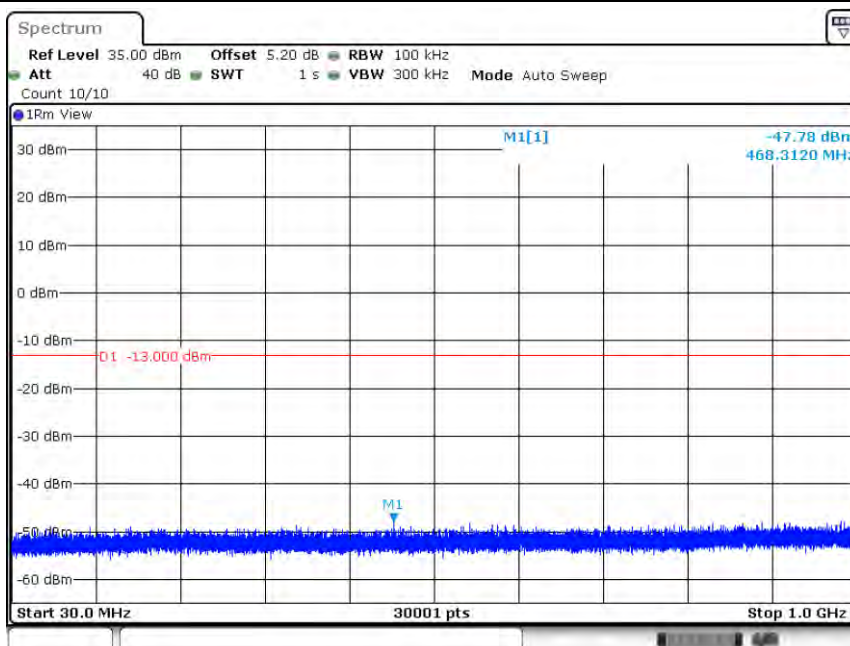


Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 14 APR 2021 04:40:48

Band4-20MHz-64QAM-20175-1RB#0-Range1:30~1000MHz



Date: 14 APR 2021 04:41:07

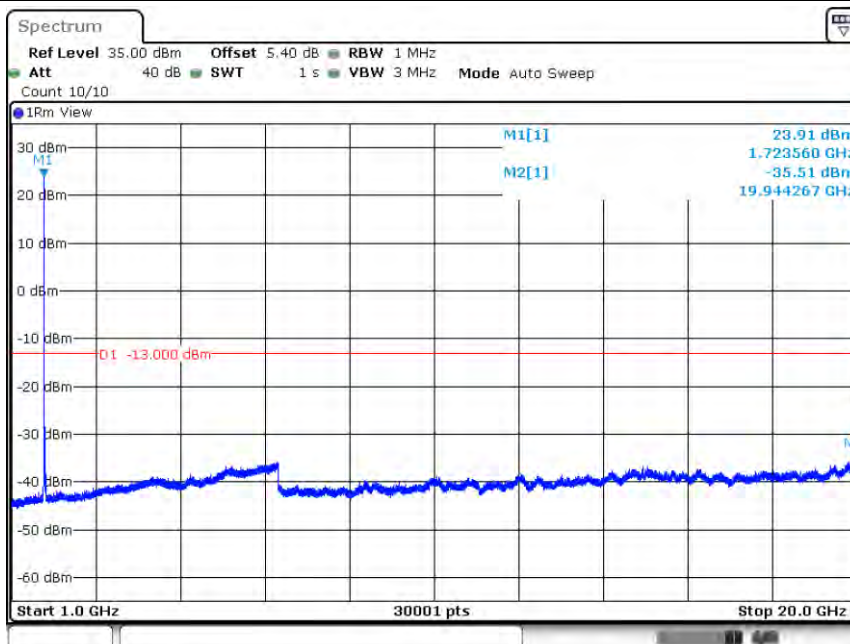


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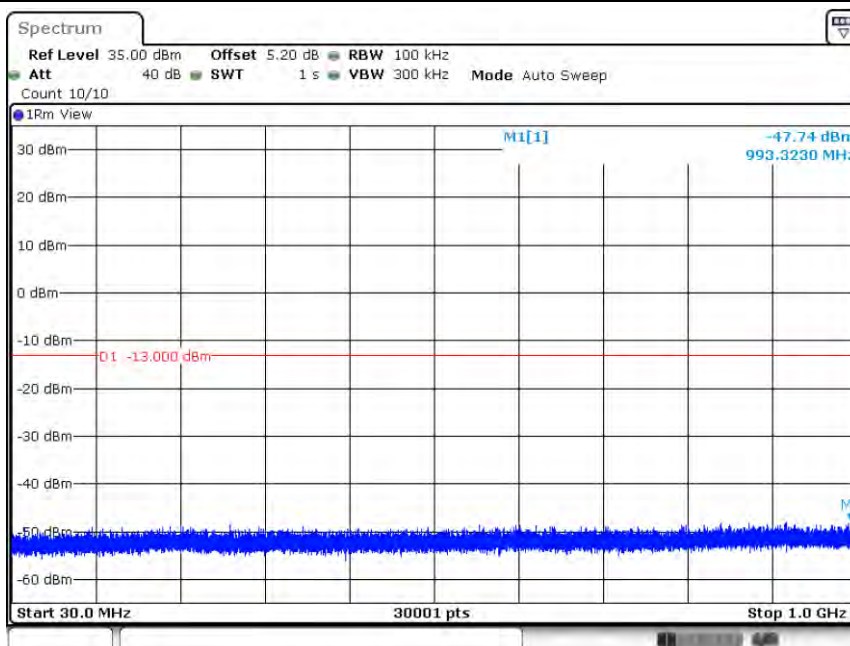
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Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 04:41:24

Band4-20MHz-64QAM-20300-1RB#0-Range1:30~1000MHz



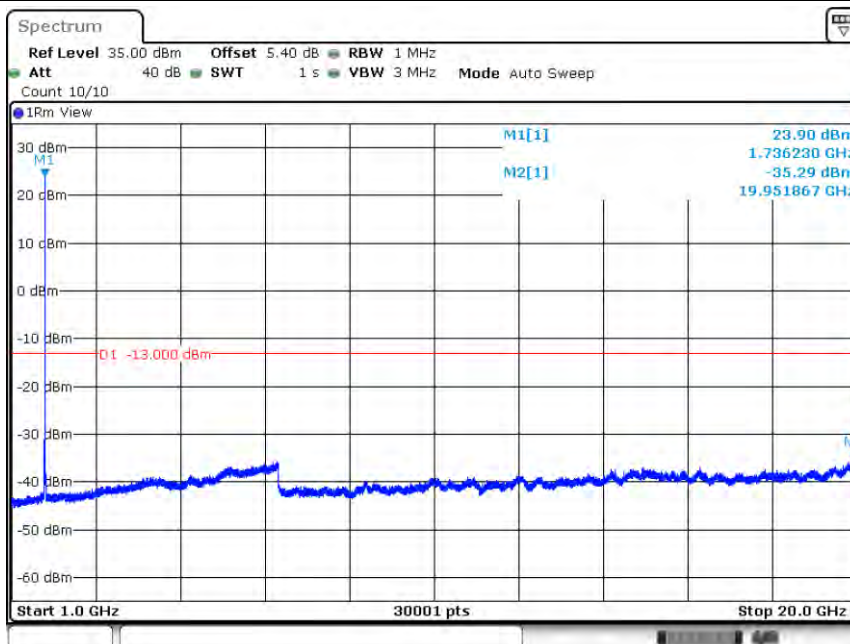
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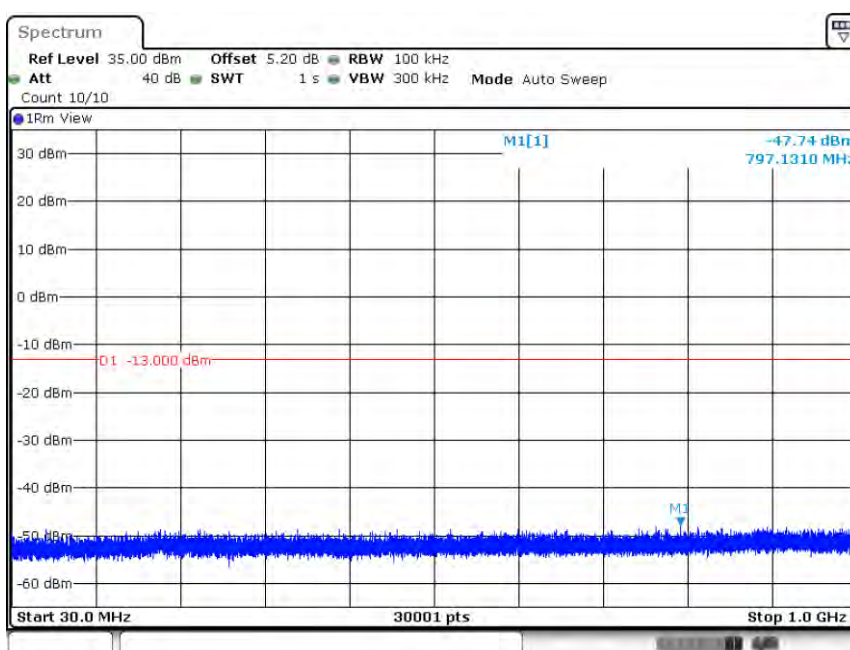
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Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 04:42:00

Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



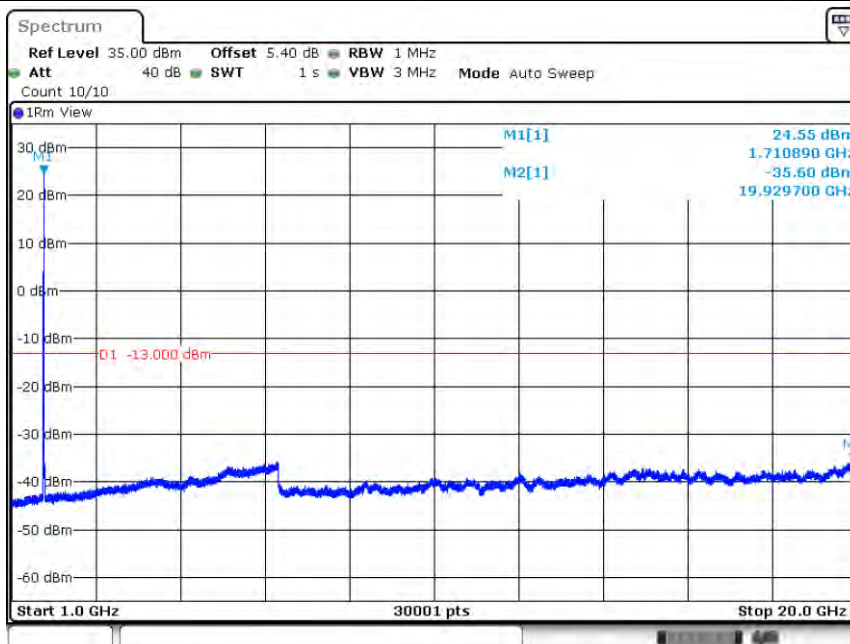
Date: 14.APR.2021 03:52:06



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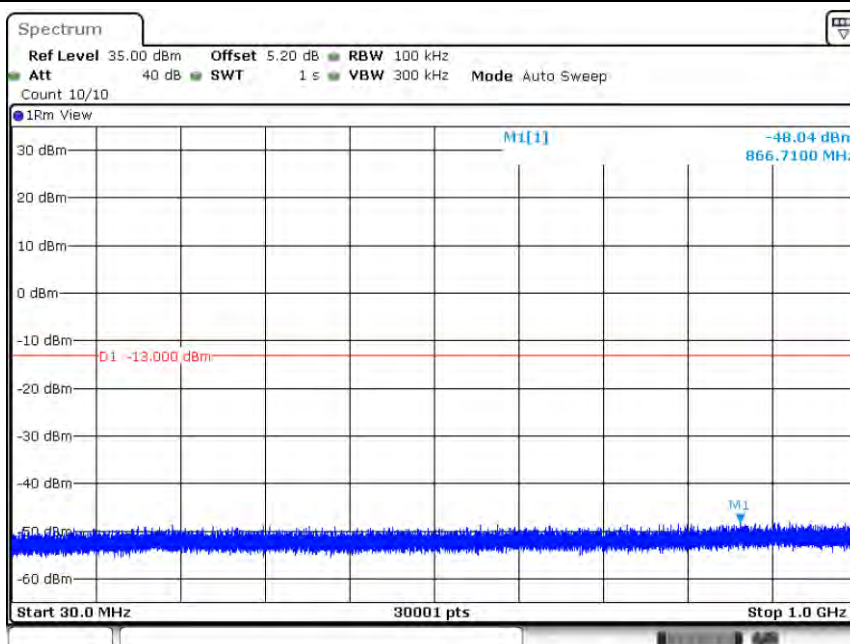
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Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 03:52:22

Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



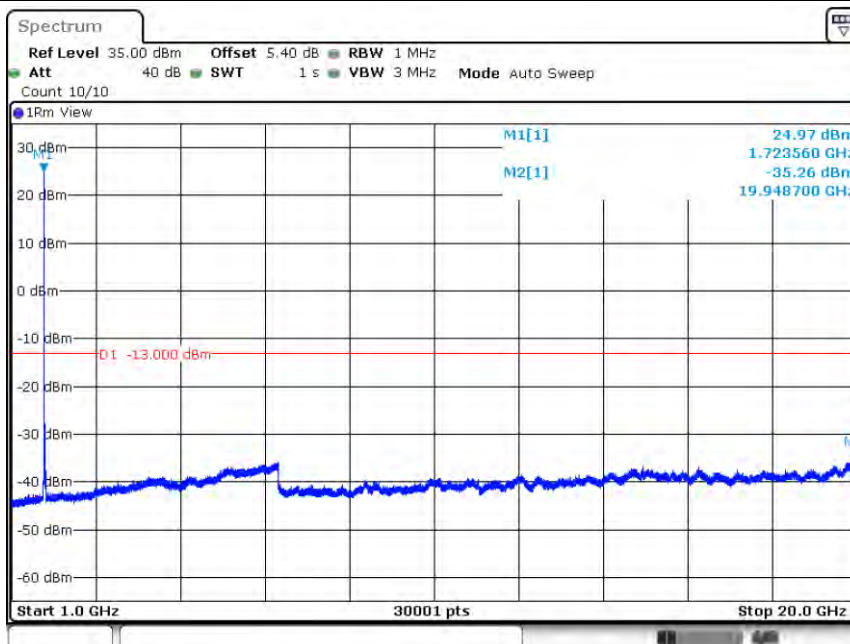
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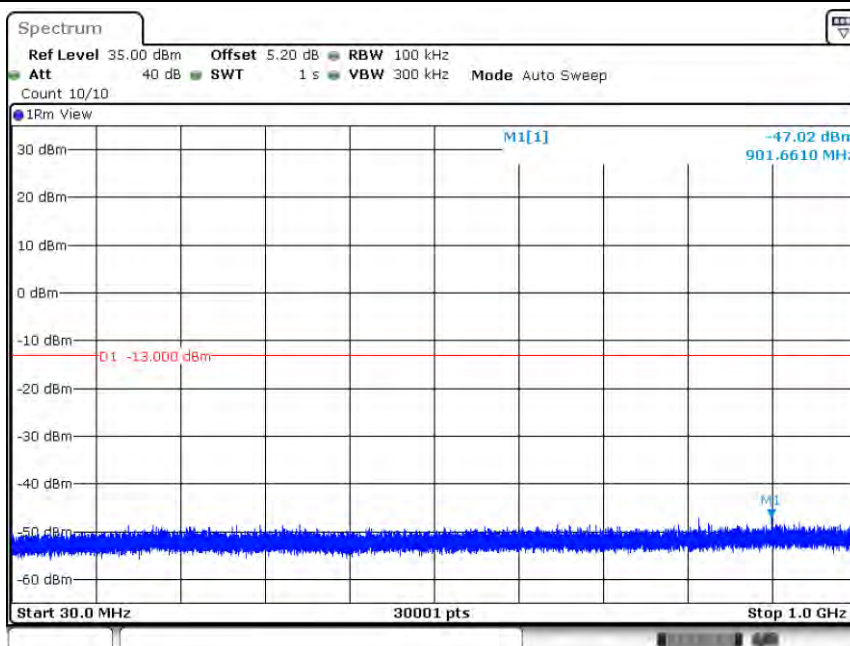
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Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 14 APR 2021 03:53:34

Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



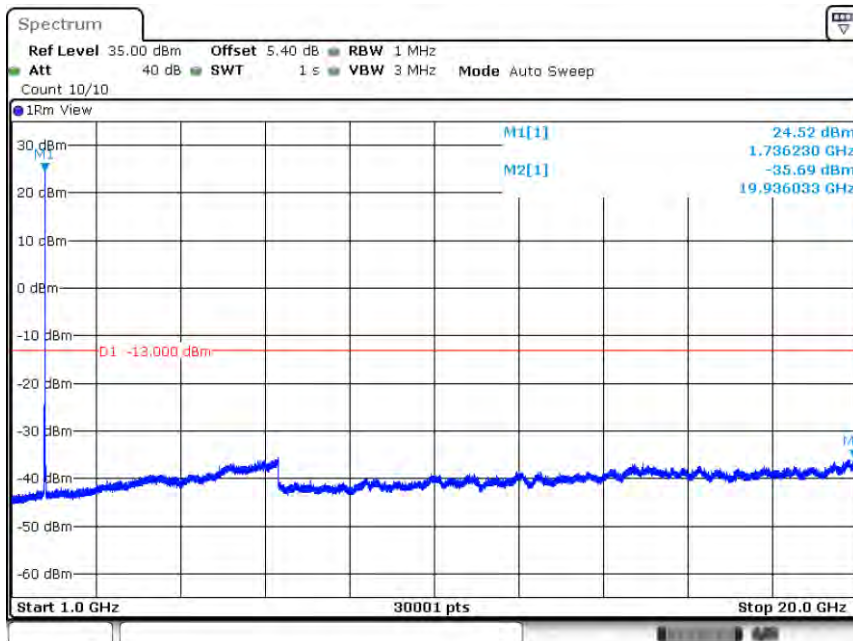
Date: 14 APR 2021 03:54:29



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Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 14 APR 2021 03:54:45





7. Field Strength of Spurious Radiation

7.1. Test Band LTE_Band4 _TM1 ANT13

7.1.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.6477	-86.54	-77.44	-13.00	64.44	Horizontal
2	248.9399	-86.36	-81.56	-13.00	68.56	Horizontal
3	598.3999	-84.90	-75.60	-13.00	62.60	Horizontal
4	5285.0000	-46.71	-45.42	-13.00	32.42	Horizontal
5	10225.000	-50.60	-43.28	-13.00	30.28	Horizontal
6	16932.500	-50.93	-35.47	-13.00	22.47	Horizontal





7.2. Test Band LTE_Band4_TM1 ANT13

7.2.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	48.3339	-87.06	-86.51	-13.00	73.51	Vertical
2	112.6966	-86.72	-78.07	-13.00	65.07	Vertical
3	313.5937	-86.36	-82.42	-13.00	69.42	Vertical
4	665.0908	-85.02	-75.13	-13.00	62.13	Vertical
5	5184.0000	-44.74	-45.88	-13.00	32.88	Vertical
6	14452.000	-51.62	-38.58	-13.00	25.58	Vertical



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7.3. Test Band LTE_Band4_TM1 ANT13

7.3.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.7747	-86.59	-77.53	-13.00	64.53	Horizontal
2	240.2580	-86.07	-81.70	-13.00	68.70	Horizontal
3	621.4871	-85.63	-75.88	-13.00	62.88	Horizontal
4	5310.0000	-46.55	-45.09	-13.00	32.09	Horizontal
5	10295.000	-49.28	-42.36	-13.00	29.36	Horizontal
6	16937.500	-51.91	-36.38	-13.00	23.38	Horizontal



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7.4. Test Band LTE_Band4_TM1 ANT13

7.4.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	50.3225	-87.12	-86.23	-13.00	73.23	Vertical
2	106.1488	-85.91	-78.16	-13.00	65.16	Vertical
3	292.5921	-86.13	-82.97	-13.00	69.97	Vertical
4	610.9135	-85.71	-75.92	-13.00	62.92	Vertical
5	5305.5000	-48.04	-47.04	-13.00	34.04	Vertical
6	14570.500	-51.95	-38.14	-13.00	25.14	Vertical



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7.5. Test Band LTE_Band4_TM1 ANT13

7.5.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.2412	-87.30	-78.27	-13.00	65.27	Horizontal
2	249.1825	-86.07	-81.26	-13.00	68.26	Horizontal
3	619.4985	-85.55	-75.79	-13.00	62.79	Horizontal
4	5402.5000	-47.02	-47.28	-13.00	34.28	Horizontal
5	9283.5000	-49.26	-42.45	-13.00	29.45	Horizontal
6	17004.000	-52.41	-36.03	-13.00	23.03	Horizontal



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7.6. Test Band LTE_Band4_TM1 ANT13

7.6.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.8118	-87.45	-87.45	-13.00	74.45	Vertical
2	110.8535	-86.73	-77.90	-13.00	64.90	Vertical
3	262.3751	-86.36	-84.55	-13.00	71.55	Vertical
4	610.7195	-85.77	-75.98	-13.00	62.98	Vertical
5	5136.5000	-45.58	-46.95	-13.00	33.95	Vertical
6	14879.500	-51.41	-37.60	-13.00	24.60	Vertical



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7.7. Test Band LTE_Band4 _TM1 ANT31

7.7.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.5693	-87.41	-78.61	-13.00	65.61	Horizontal
2	228.9569	-86.30	-81.42	-13.00	68.42	Horizontal
3	594.2772	-85.20	-75.74	-13.00	62.74	Horizontal
4	5286.0000	-47.61	-46.30	-13.00	33.30	Horizontal
5	9735.0000	-50.77	-43.78	-13.00	30.78	Horizontal
6	16923.500	-50.75	-35.42	-13.00	22.42	Horizontal



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7.8. Test Band LTE_Band4_TM1 ANT31

7.8.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.6663	-88.46	-88.49	-13.00	75.49	Vertical
2	109.8835	-87.33	-78.45	-13.00	65.45	Vertical
3	391.8281	-86.14	-80.68	-13.00	67.68	Vertical
4	5299.5000	-48.41	-47.34	-13.00	34.34	Vertical
5	9313.5000	-50.46	-43.59	-13.00	30.59	Vertical
6	14634.000	-51.74	-38.32	-13.00	25.32	Vertical



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7.9. Test Band LTE_Band4_TM1 ANT31

7.9.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.0101	-86.84	-77.92	-13.00	64.92	Horizontal
2	237.5904	-86.09	-81.56	-13.00	68.56	Horizontal
3	2130.8000	-48.10	-25.56	-13.00	12.56	Horizontal
4	5158.0000	-45.91	-46.88	-13.00	33.88	Horizontal
5	11348.5000	-50.48	-41.47	-13.00	28.47	Horizontal
6	16963.500	-51.45	-35.49	-13.00	22.49	Horizontal



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7.10. Test Band LTE_Band4_TM1 ANT31

7.10.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	105.7123	-86.53	-78.92	-13.00	65.92	Vertical
2	595.0533	-85.09	-75.78	-13.00	62.78	Vertical
3	2134.1000	-47.28	-24.84	-13.00	11.84	Vertical
4	5297.0000	-47.82	-46.80	-13.00	33.80	Vertical
5	14403.500	-50.60	-37.64	-13.00	24.64	Vertical
6	17996.500	-50.68	-31.23	-13.00	18.23	Vertical



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7.11. Test Band LTE_Band4_TM1 ANT31

7.11.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.5136	-86.82	-77.82	-13.00	64.82	Horizontal
2	549.6550	-85.90	-77.48	-13.00	64.48	Horizontal
3	2150.8000	-47.90	-25.12	-13.00	12.12	Horizontal
4	5343.5000	-46.00	-45.04	-13.00	32.04	Horizontal
5	12739.500	-51.33	-39.79	-13.00	26.79	Horizontal
6	16649.000	-49.95	-35.87	-13.00	22.87	Horizontal



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7.12. Test Band LTE_Band4_TM1 ANT31

7.12.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	108.7679	-86.82	-78.28	-13.00	65.28	Vertical
2	587.2444	-86.19	-76.92	-13.00	63.92	Vertical
3	2949.3000	-58.71	-35.43	-13.00	22.43	Vertical
4	5137.5000	-45.48	-46.85	-13.00	33.85	Vertical
5	14550.000	-52.46	-38.01	-13.00	25.01	Vertical
6	17986.500	-51.74	-32.27	-13.00	19.27	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.





8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	7.30	0.004244	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	9.40	0.005465	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	5.00	0.002907	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	0.50	0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	10.30	0.005945	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	3.40	0.001962	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	4.60	0.002636	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	5.10	0.002923	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	3.70	0.002120	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	0.50	0.000291	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	3.10	0.001802	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	2.30	0.001337	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	7.00	0.004040	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	7.10	0.004098	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	7.00	0.004040	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	0.20	0.000115	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	6.10	0.003496	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	2.10	0.001203	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	6.00	0.003488	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	0.60	0.000349	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	1.50	0.000872	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	2.90	0.001674	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	6.40	0.003694	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	6.10	0.003521	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	7.20	0.004126	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	8.70	0.004986	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	3.90	0.002235	±2.5	PASS





8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	9.10	0.005291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	2.10	0.001221	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	6.50	0.003779	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	5.80	0.003372	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	3.60	0.002093	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	3.50	0.002035	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	5.60	0.003256	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	3.00	0.001744	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	1.20	0.000698	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	2.90	0.001674	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	4.90	0.002828	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	4.20	0.002424	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	5.30	0.003059	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	8.90	0.005137	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	4.70	0.002713	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	5.70	0.003290	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	4.50	0.002597	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	10.30	0.005945	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	5.40	0.003095	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	4.10	0.002350	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	6.70	0.003840	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	4.40	0.002521	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	9.30	0.005330	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	8.40	0.004814	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	7.00	0.004011	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	7.20	0.004126	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	10.30	0.005903	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	6.60	0.003837	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	4.60	0.002674	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	7.40	0.004302	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	7.60	0.004419	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	2.60	0.001512	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	2.70	0.001570	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	3.70	0.002151	±2.5	PASS



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Band4	20MHz	64QAM	20050	100RB#0	NV	40	5.50	0.003198	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	5.30	0.003081	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	7.20	0.004156	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	6.90	0.003983	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	8.50	0.004906	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	6.20	0.003579	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	6.20	0.003579	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	8.20	0.004733	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	3.90	0.002251	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	6.90	0.003983	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	5.50	0.003175	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	4.40	0.002521	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	3.30	0.001891	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	2.70	0.001547	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	8.00	0.004585	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	7.60	0.004355	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	8.70	0.004986	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	7.90	0.004527	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	7.00	0.004011	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	7.90	0.004527	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	0.90	0.000523	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	4.60	0.002674	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	6.00	0.003488	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	6.60	0.003837	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	6.00	0.003488	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	3.80	0.002209	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	1.60	0.000930	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	0.70	0.000407	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.70	0.001570	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	6.10	0.003521	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	4.10	0.002367	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	5.10	0.002944	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	5.00	0.002886	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	2.80	0.001616	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	5.50	0.003175	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	7.90	0.004560	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	5.70	0.003290	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	6.20	0.003579	±2.5	PASS



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Band4	20MHz	16QAM	20300	100RB#0	NV	-30	8.60	0.004928	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	10.80	0.006189	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	10.70	0.006132	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	9.10	0.005215	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	5.90	0.003381	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	11.60	0.006648	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	12.30	0.007049	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	8.40	0.004814	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	10.20	0.005845	±2.5	PASS



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