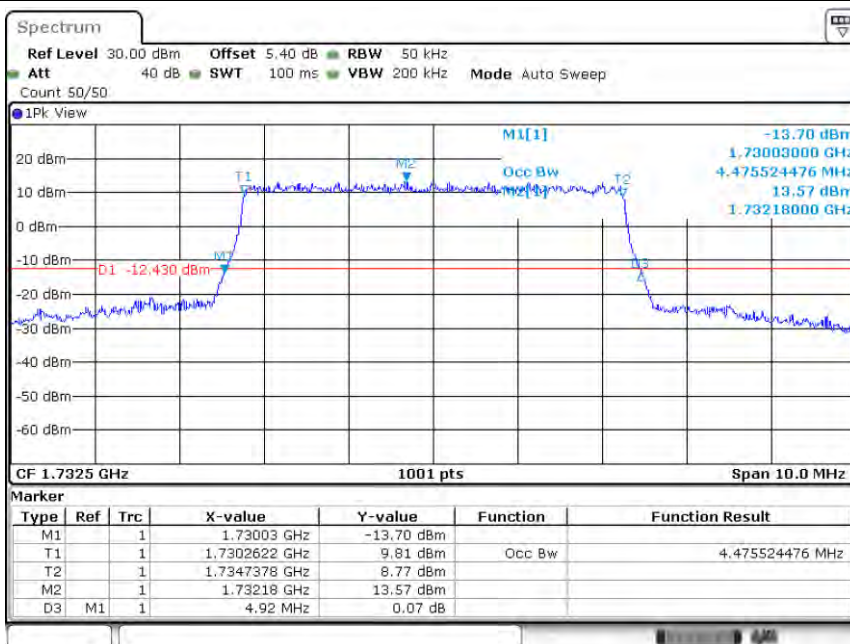


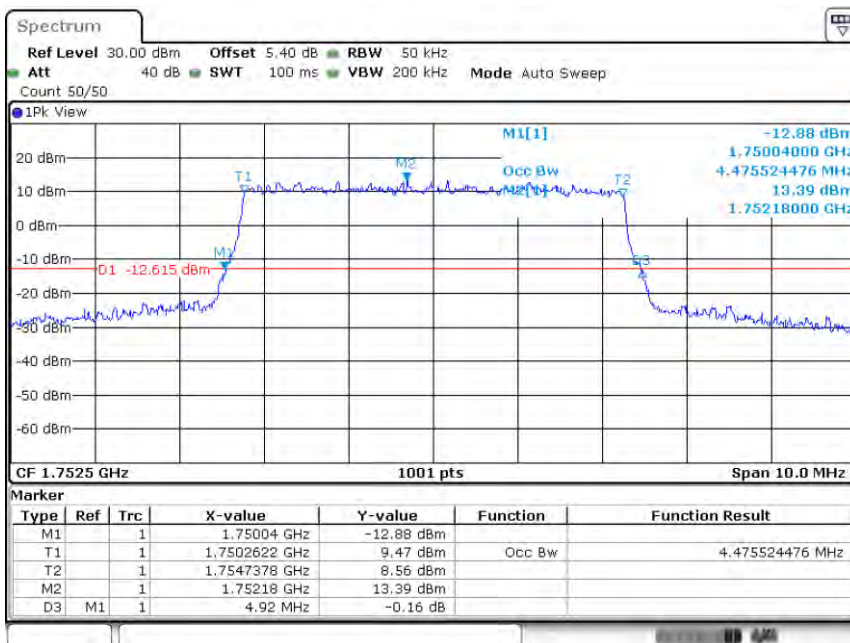


Band4-5MHz-64QAM-20175-25RB#0-4.476



Date: 23.DEC.2020 12:28:07

Band4-5MHz-64QAM-20375-25RB#0-4.476



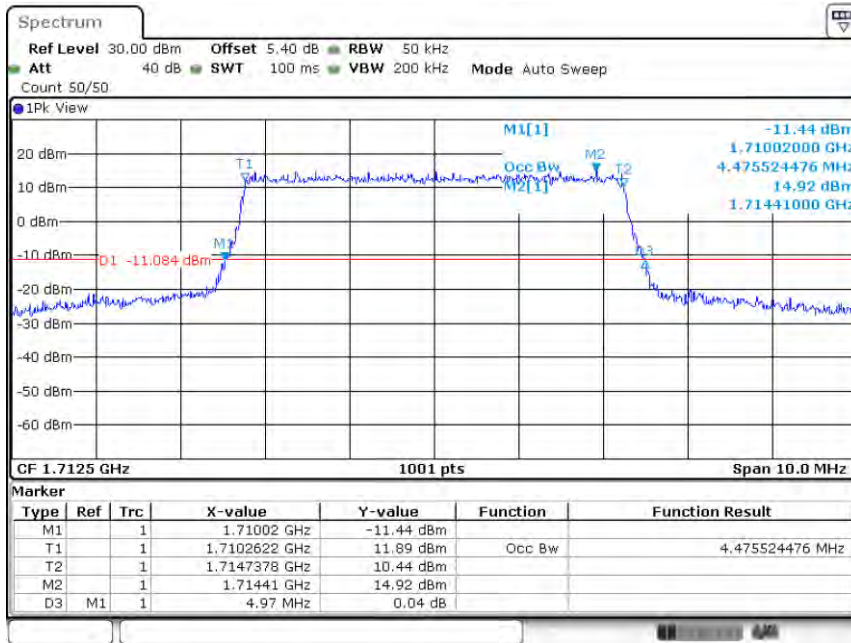
Date: 23.DEC.2020 12:28:21



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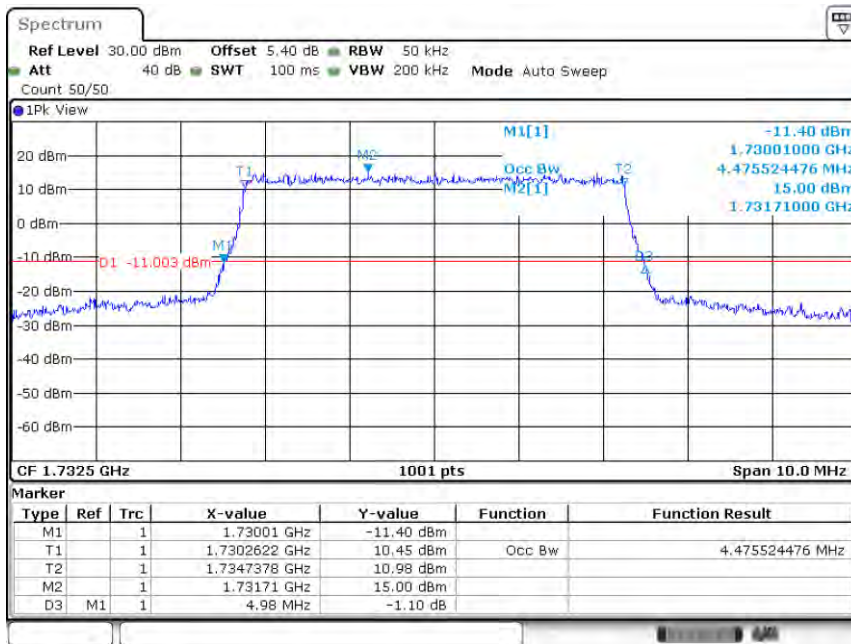


Band4-5MHz-16QAM-19975-25RB#0-4.476



Date: 18 DEC. 2020 21:42:06

Band4-5MHz-16QAM-20175-25RB#0-4.476



Date: 18 DEC. 2020 21:42:33

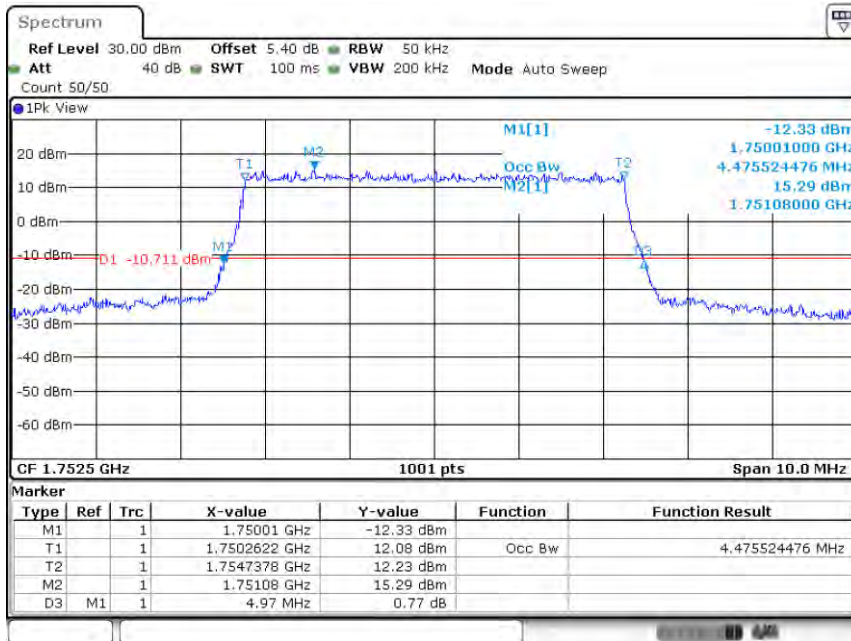


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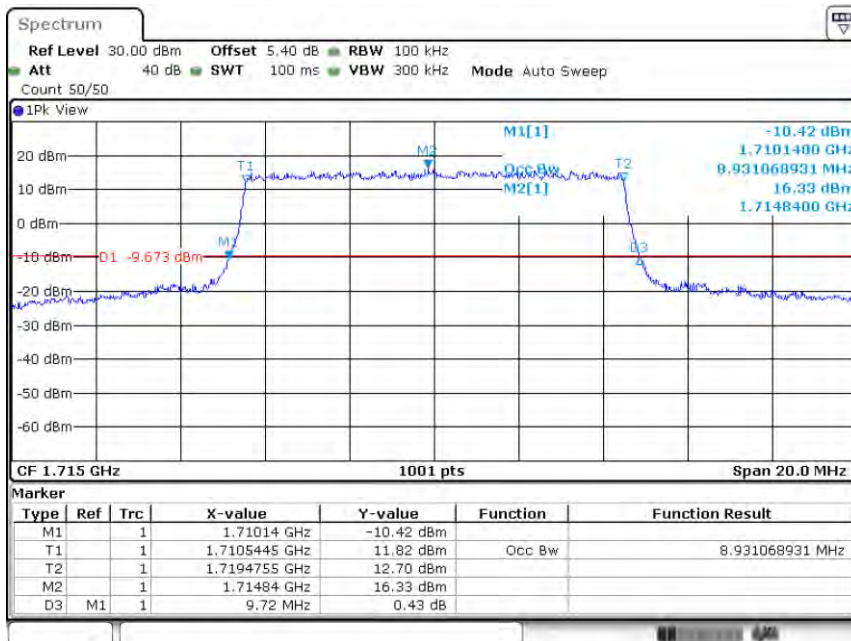
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Band4-5MHz-16QAM-20375-25RB#0-4.476



Date: 18 DEC. 2020 21:43:00

Band4-10MHz-QPSK-20000-50RB#0-8.931

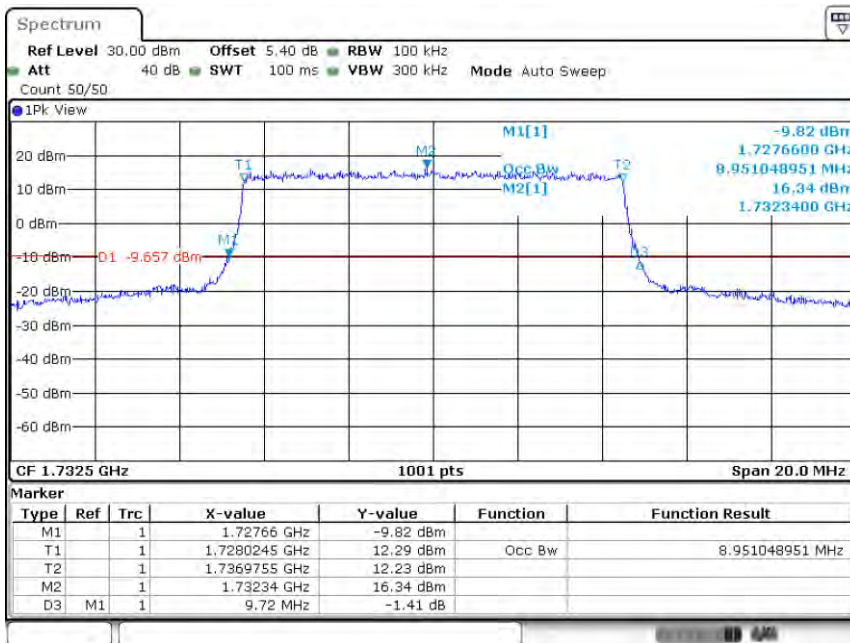


Date: 18 DEC. 2020 21:43:18



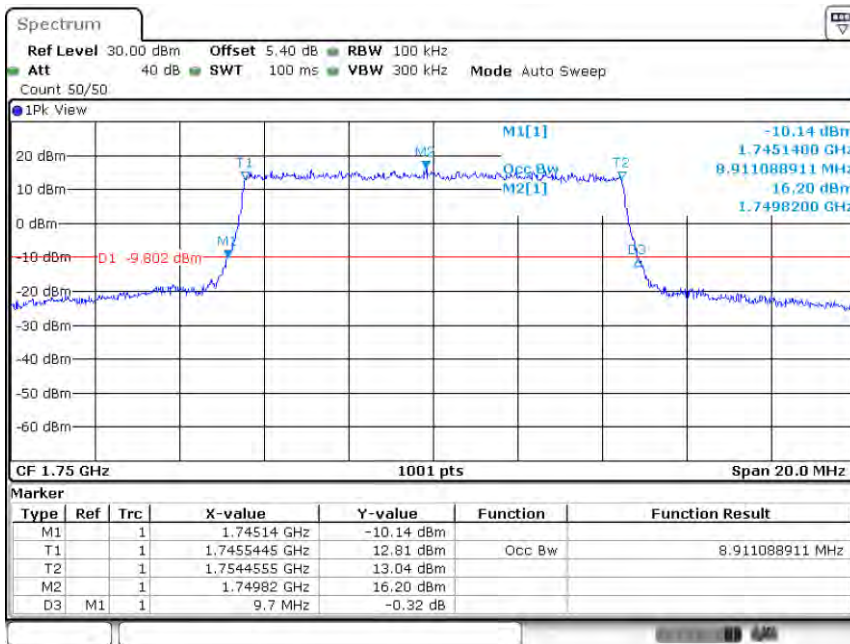
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Band4-10MHz-QPSK-20175-50RB#0-8.951



Date: 18 DEC.2020 21:43:45

Band4-10MHz-QPSK-20350-50RB#0-8.911



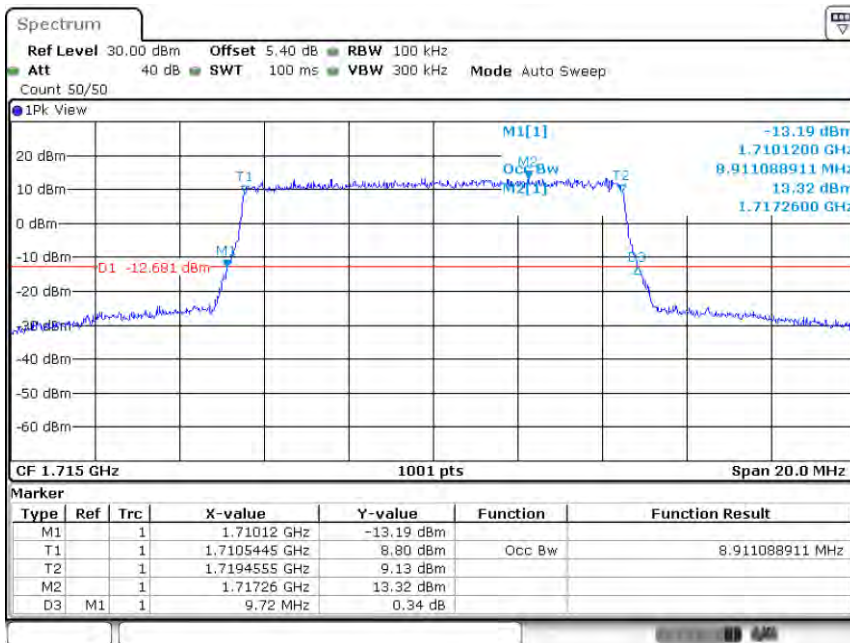
Date: 18 DEC.2020 21:44:12



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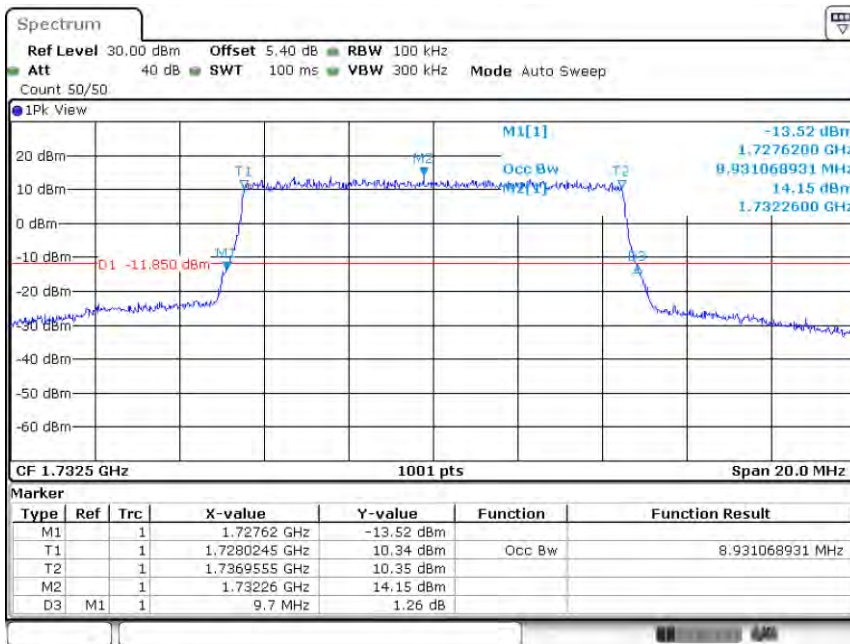


Band4-10MHz-64QAM-20000-50RB#0-8.911



Date: 23.DEC.2020 12:28:41

Band4-10MHz-64QAM-20175-50RB#0-8.931



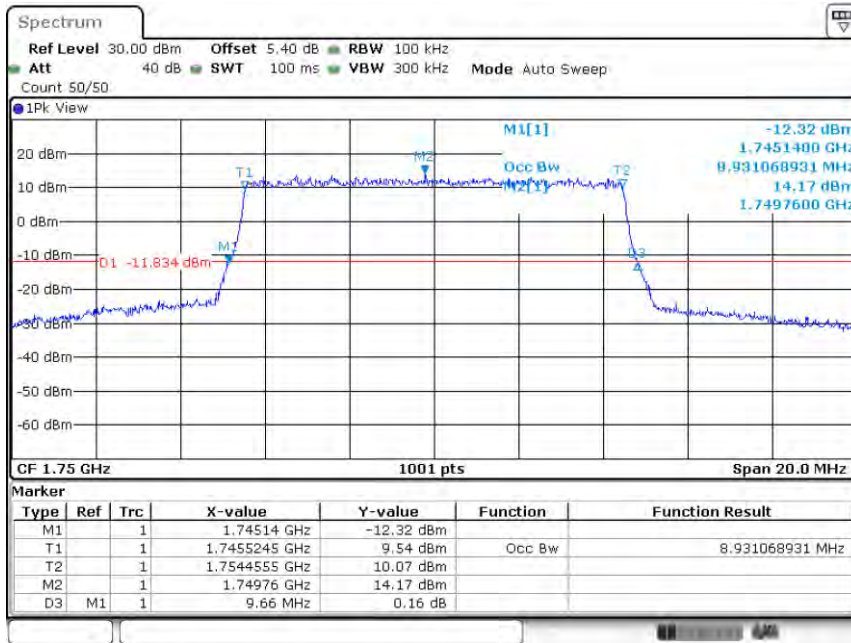
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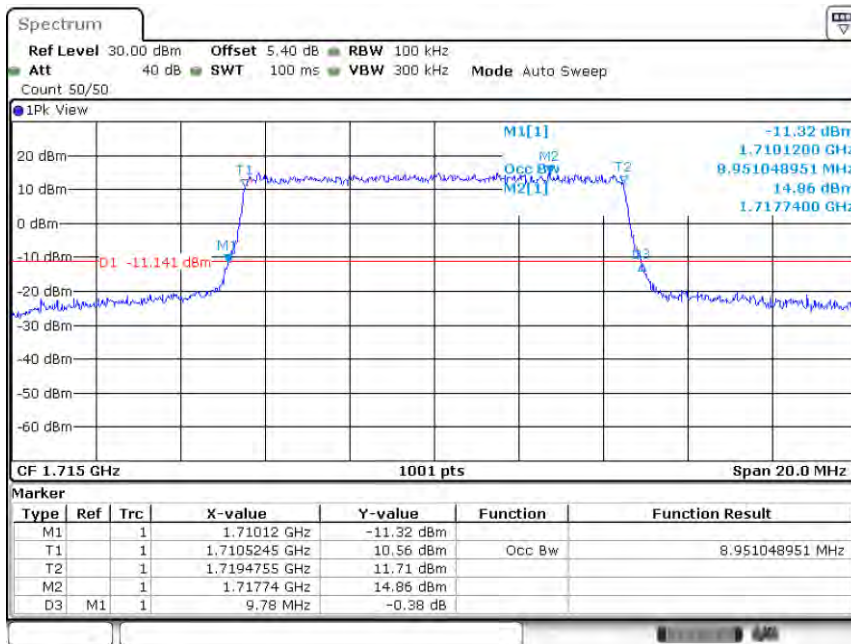


Band4-10MHz-64QAM-20350-50RB#0-8.931



Date: 23.DEC.2020 12:29:08

Band4-10MHz-16QAM-20000-50RB#0-8.951



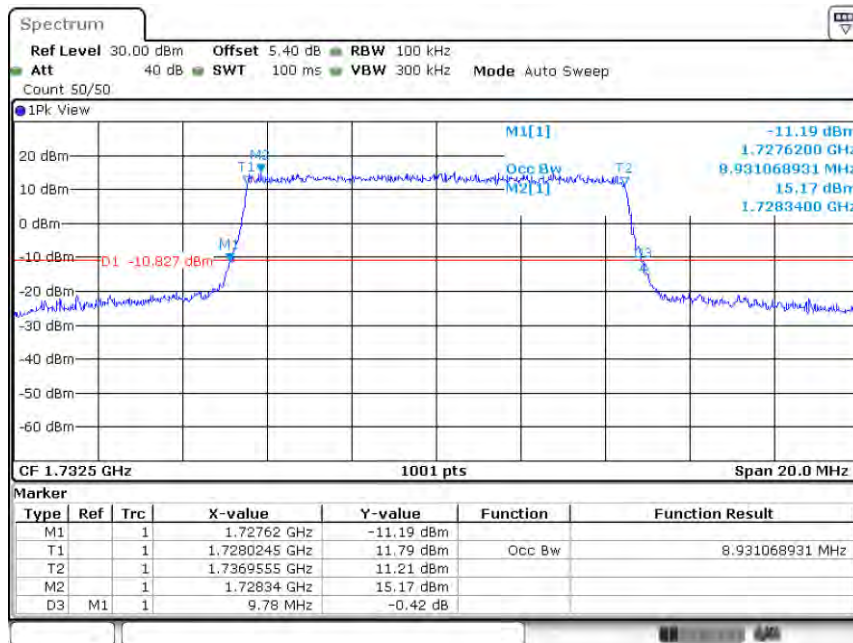
Date: 18.DEC.2020 21:43:31



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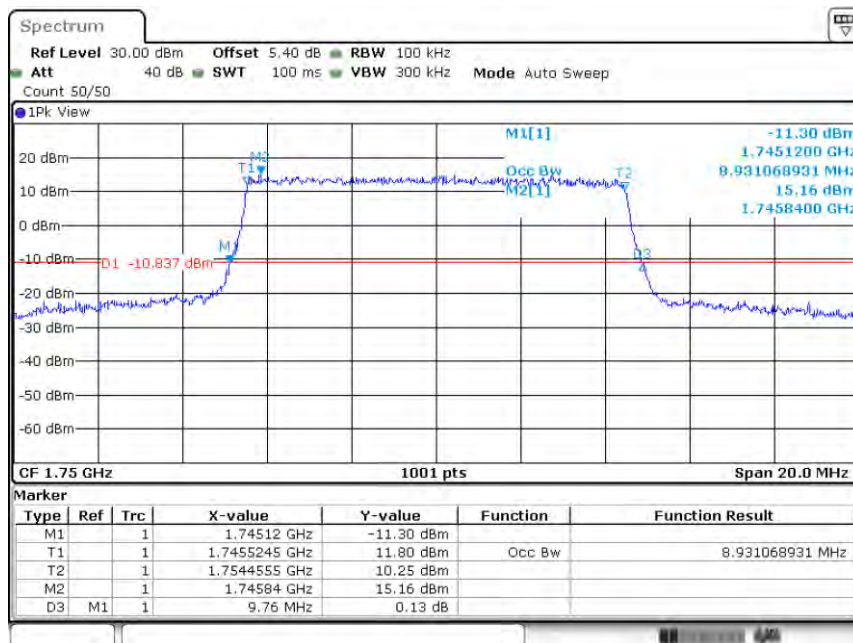


Band4-10MHz-16QAM-20175-50RB#0-8.931



Date: 18 DEC.2020 21:43:58

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

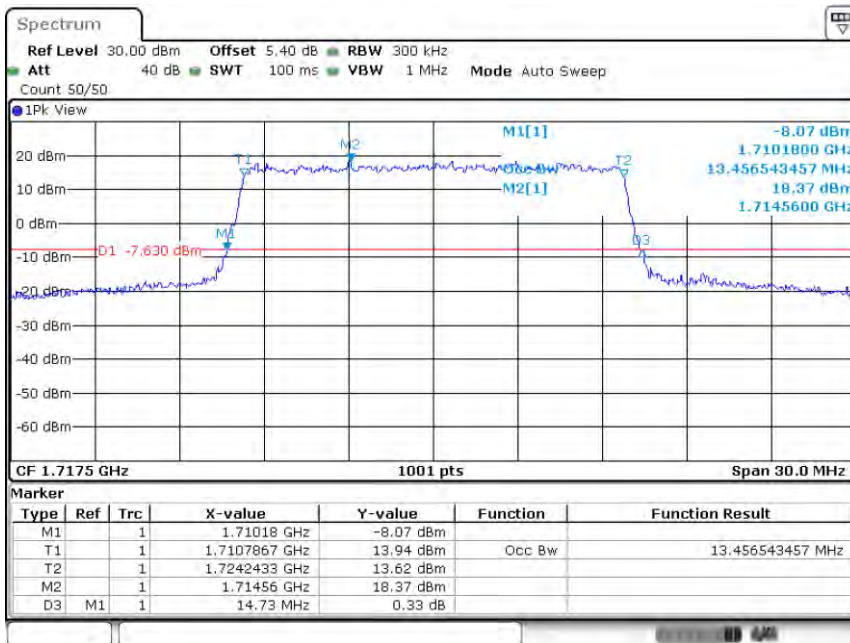


Date: 18 DEC.2020 21:44:25



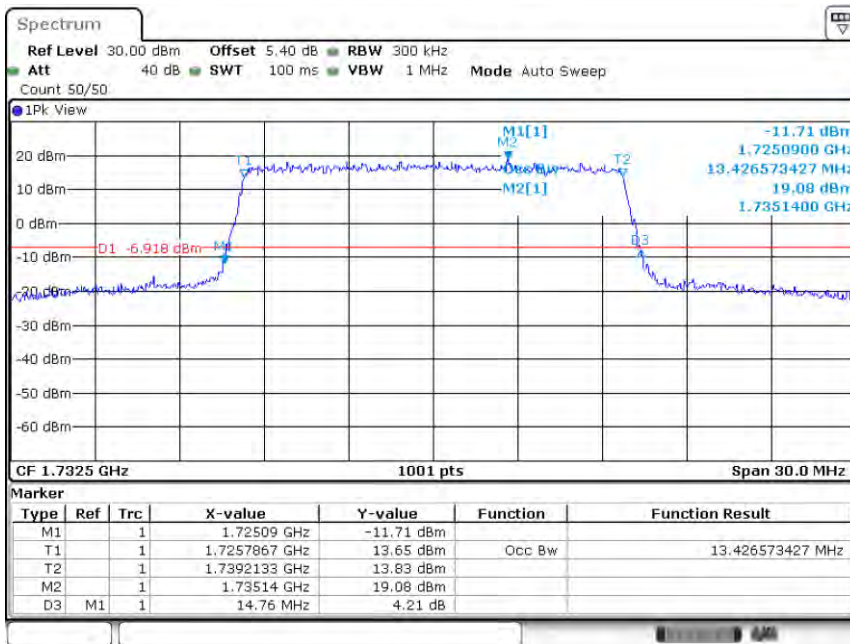
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Band4-15MHz-QPSK-20025-75RB#0-13.457



Date: 18 DEC. 2020 21:44:43

Band4-15MHz-QPSK-20175-75RB#0-13.427



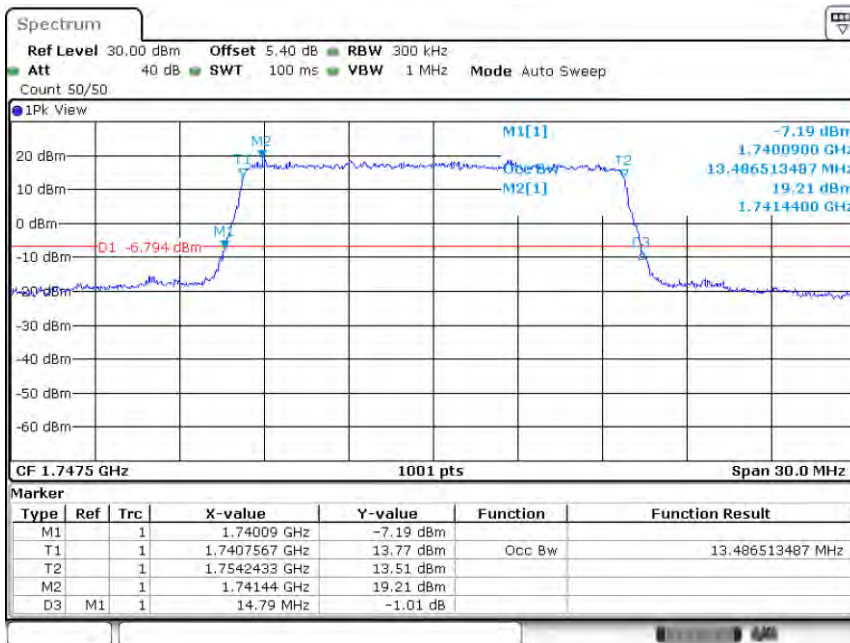
Date: 18 DEC. 2020 21:45:10



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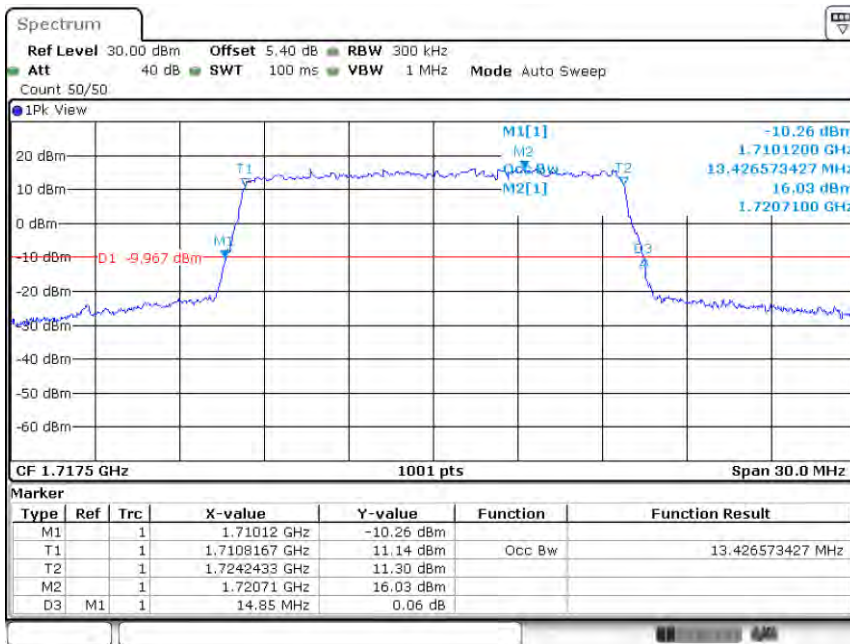


Band4-15MHz-QPSK-20325-75RB#0-13.487



Date: 18 DEC. 2020 21:45:36

Band4-15MHz-64QAM-20025-75RB#0-13.427



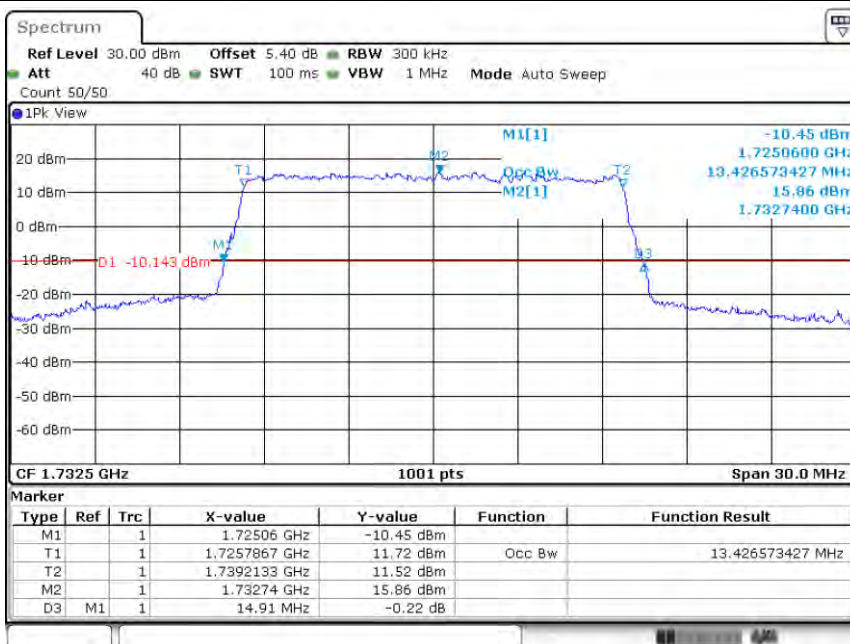
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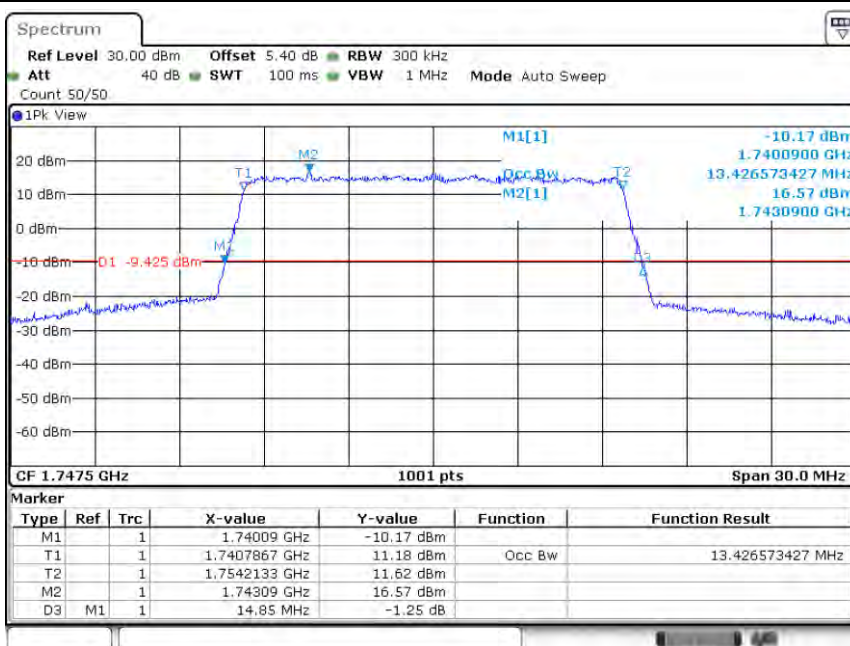


Band4-15MHz-64QAM-20175-75RB#0-13.427



Date: 23 DEC 2020 12:29:41

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



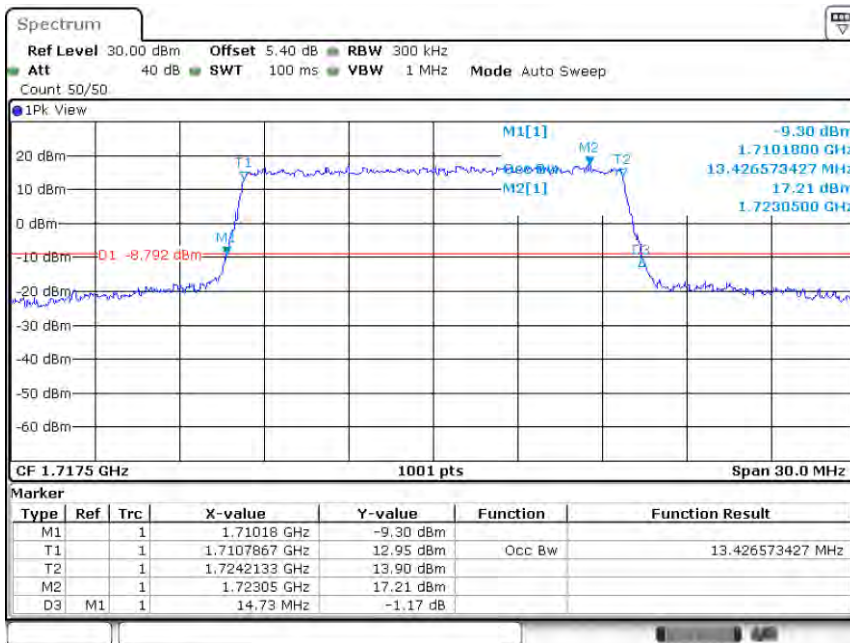
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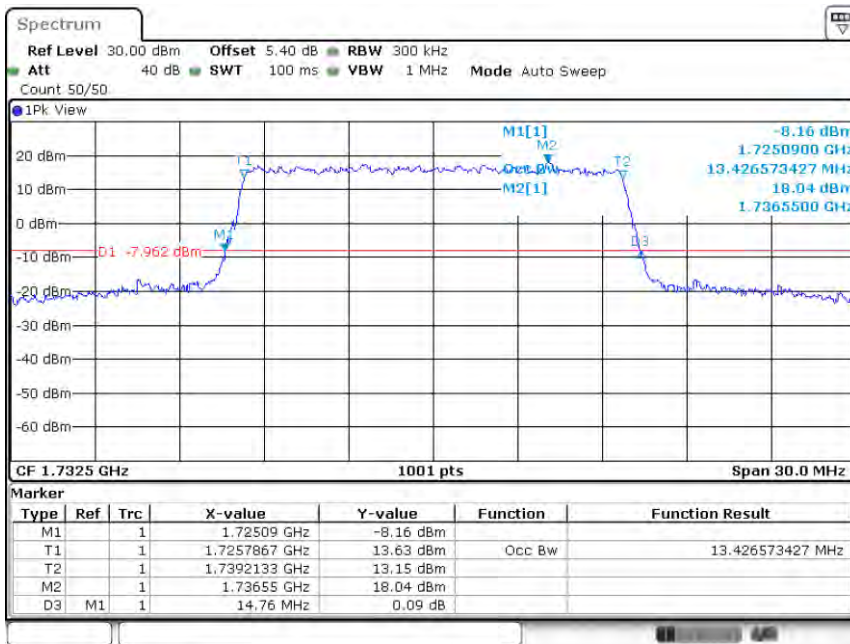


Band4-15MHz-16QAM-20025-75RB#0-13.427



Date: 18 DEC. 2020 21:44:56

Band4-15MHz-16QAM-20175-75RB#0-13.427

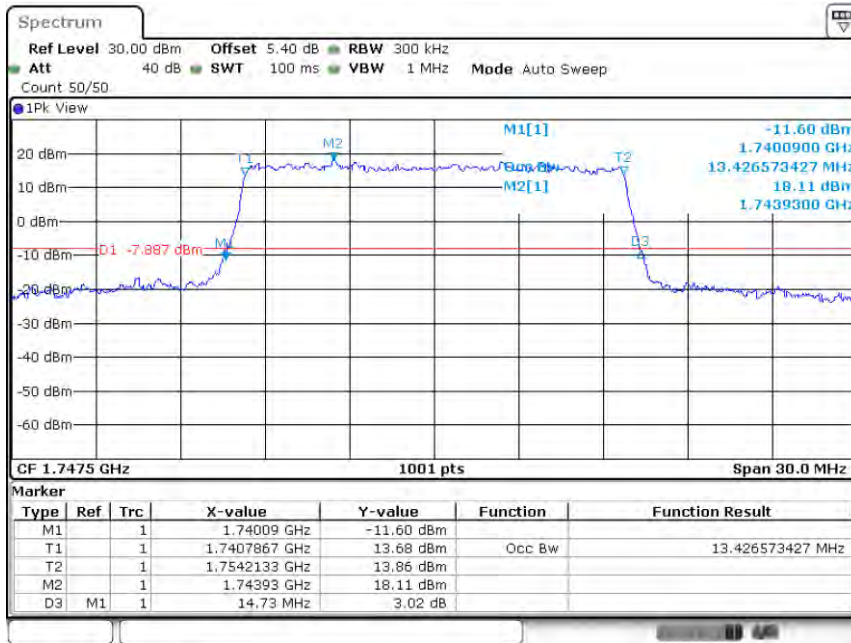


Date: 18 DEC. 2020 21:45:23



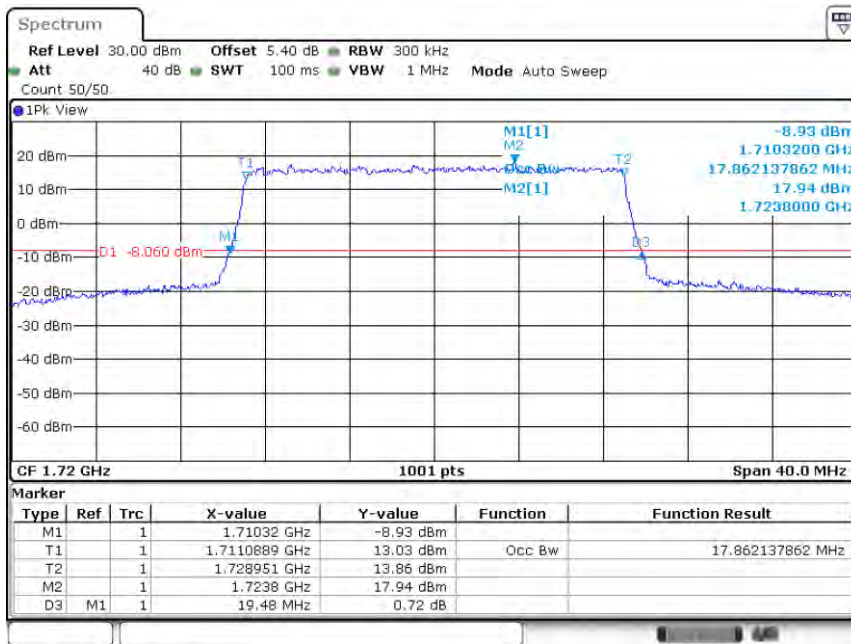
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Band4-15MHz-16QAM-20325-75RB#0-13.427



Date: 18 DEC.2020 21:45:50

Band4-20MHz-QPSK-20050-100RB#0-17.862



Date: 18 DEC.2020 21:46:08



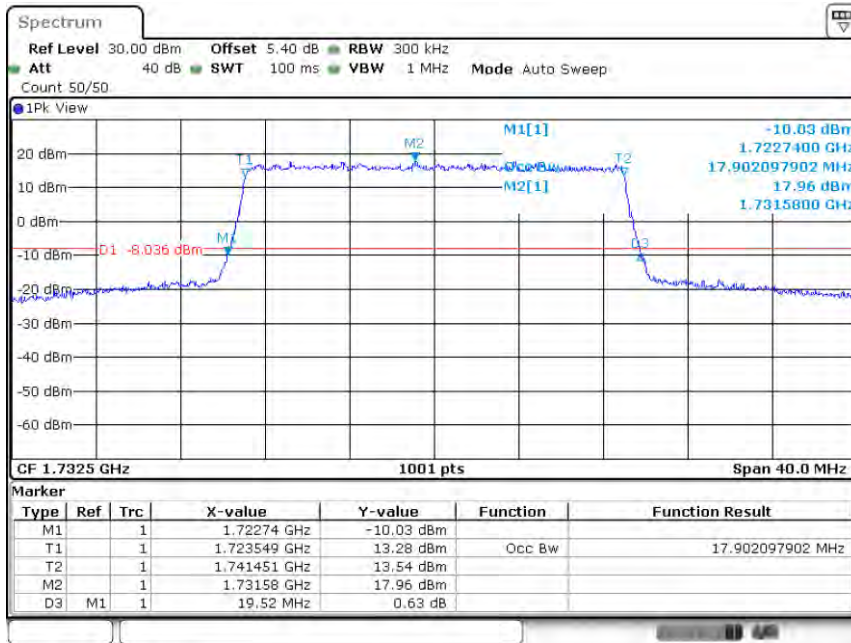
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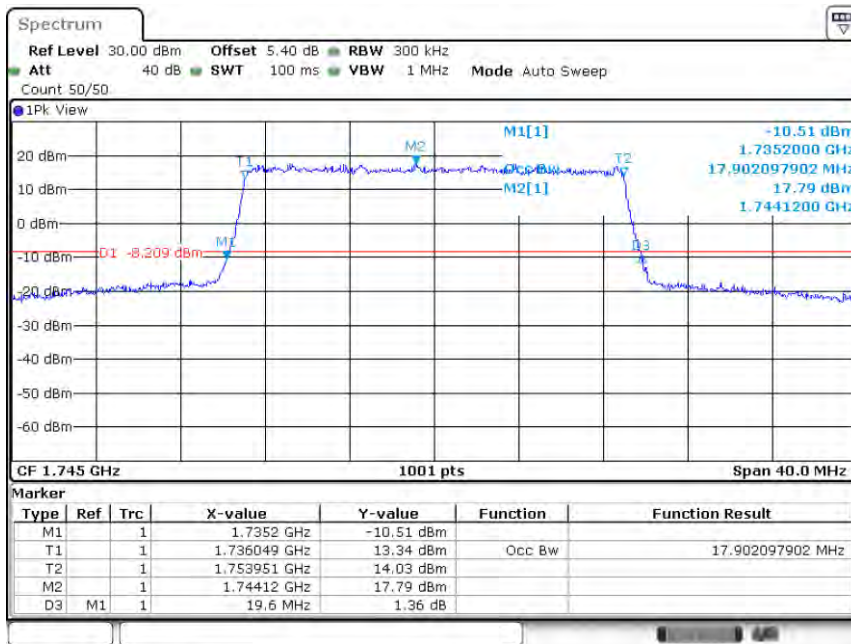
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Band4-20MHz-QPSK-20175-100RB#0-17.902



Band4-20MHz-QPSK-20300-100RB#0-17.902



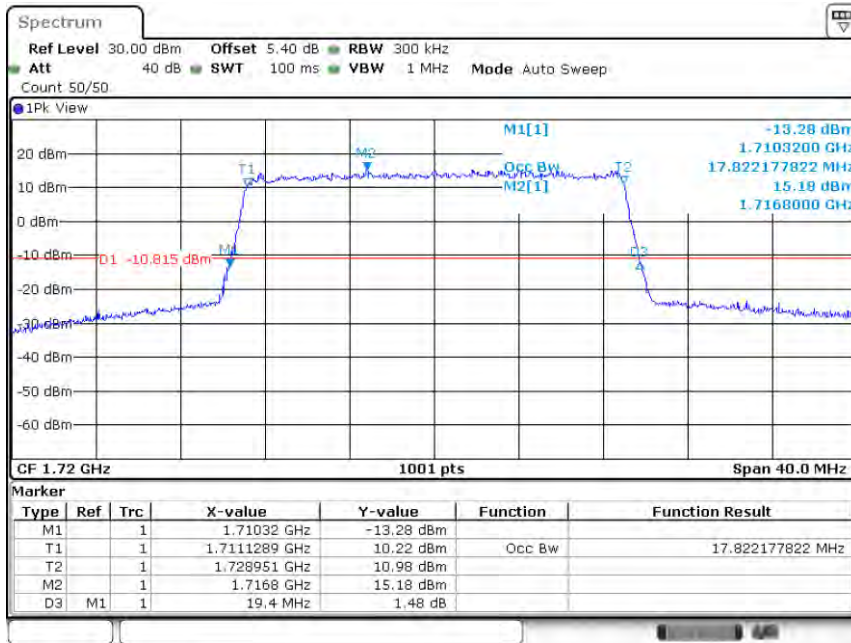
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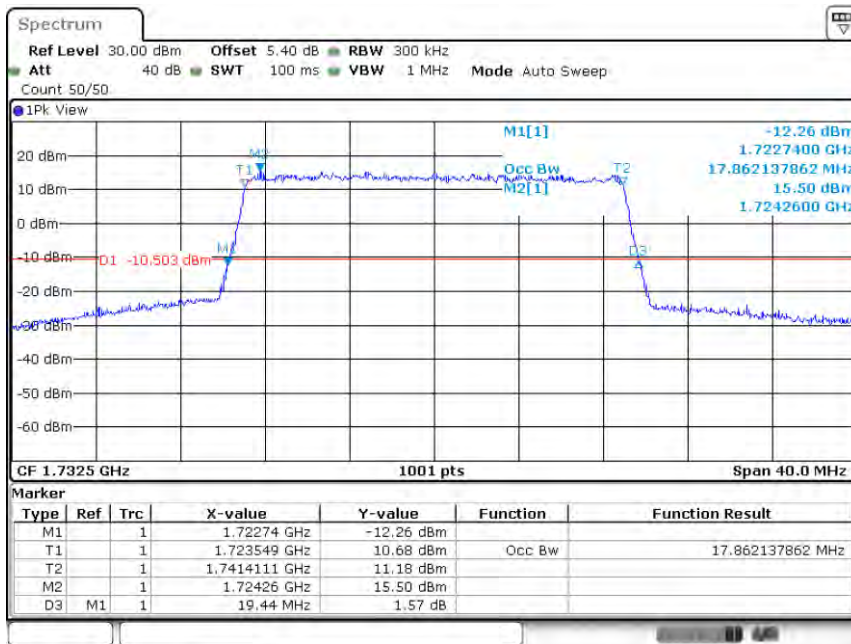


Band4-20MHz-64QAM-20050-100RB#0-17.822



Date: 23 DEC.2020 12:30:15

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



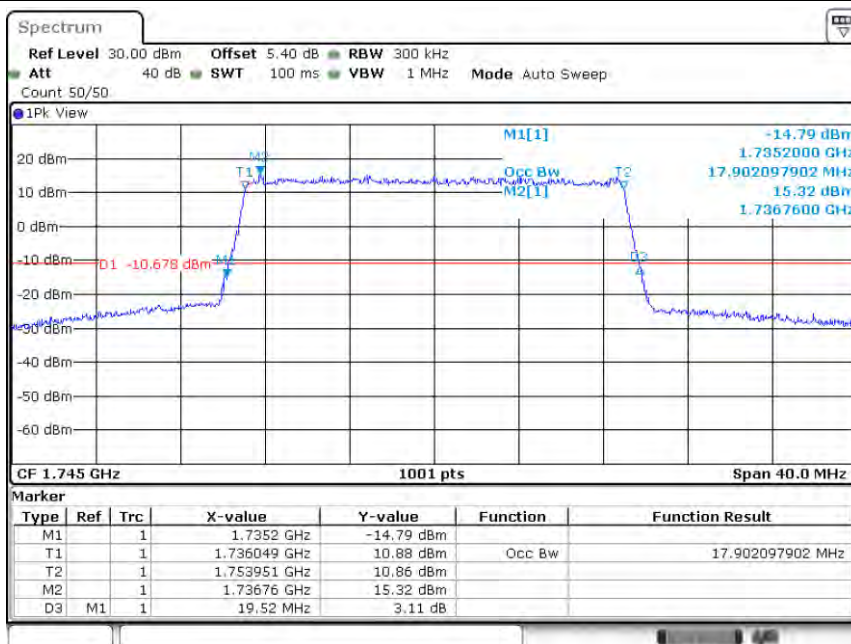
Date: 23 DEC.2020 12:30:28



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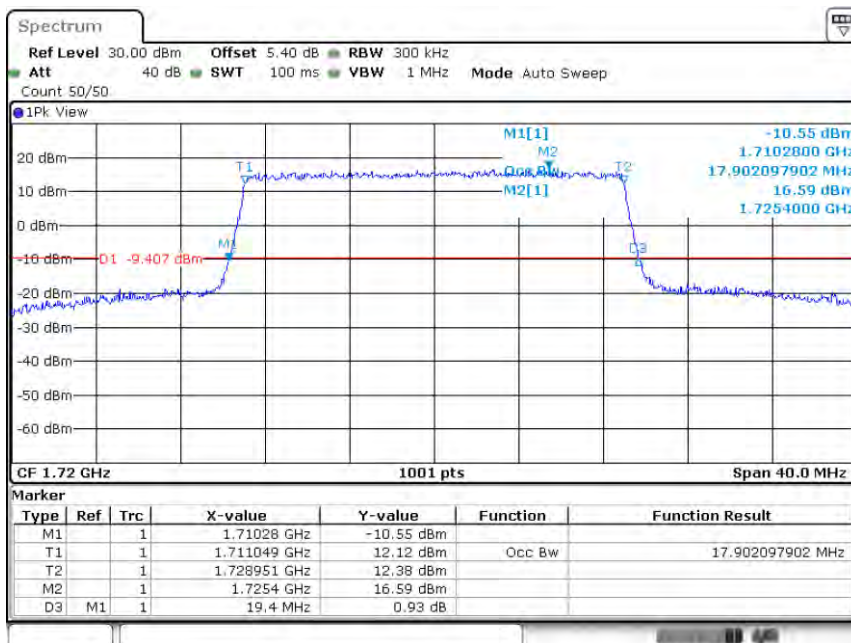


Band4-20MHz-64QAM-20300-100RB#0-17.902



Date: 23 DEC.2020 12:30:41

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



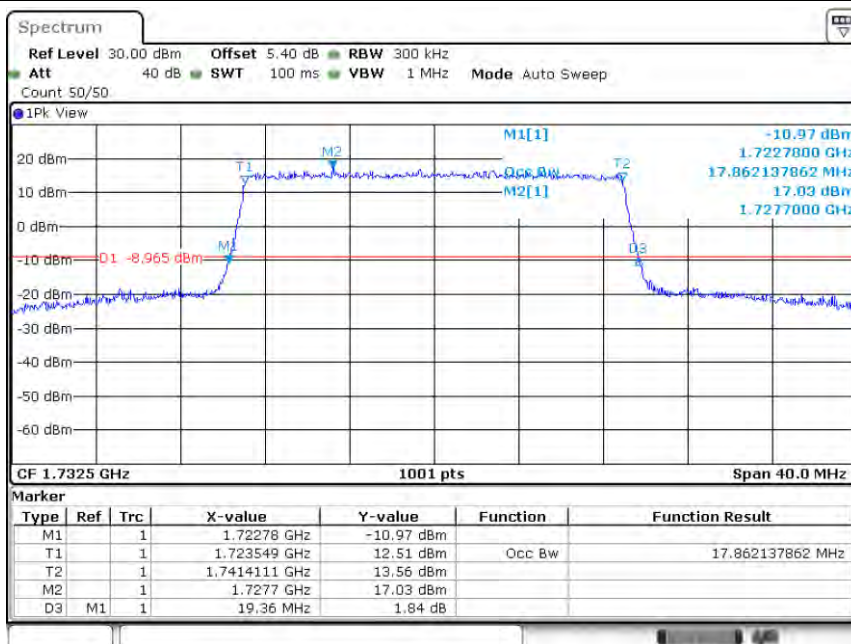
Date: 18 DEC.2020 21:46:21



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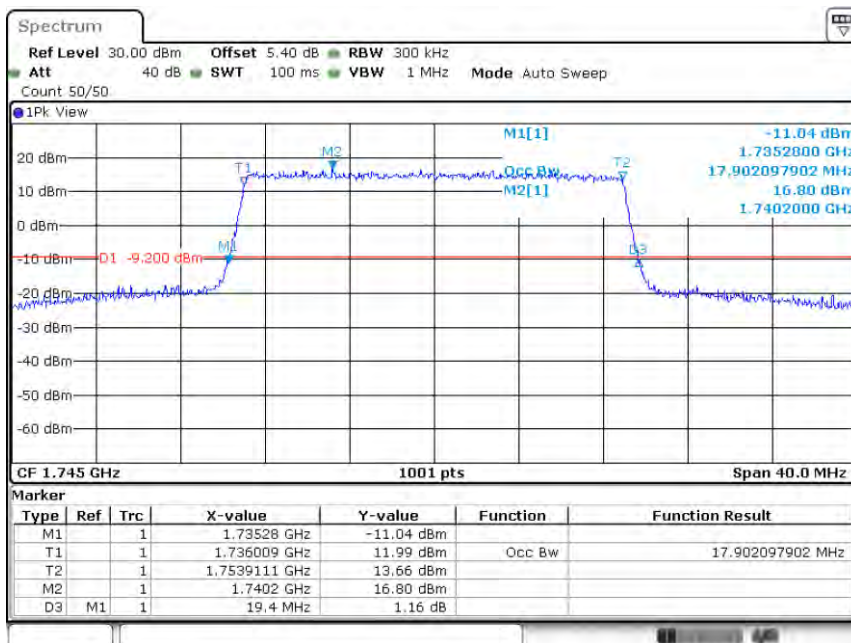


Band4-20MHz-16QAM-20175-100RB#0-17.862



Date: 18 DEC.2020 21:46:48

Band4-20MHz-16QAM-20300-100RB#0-17.902



Date: 18 DEC.2020 21:47:14

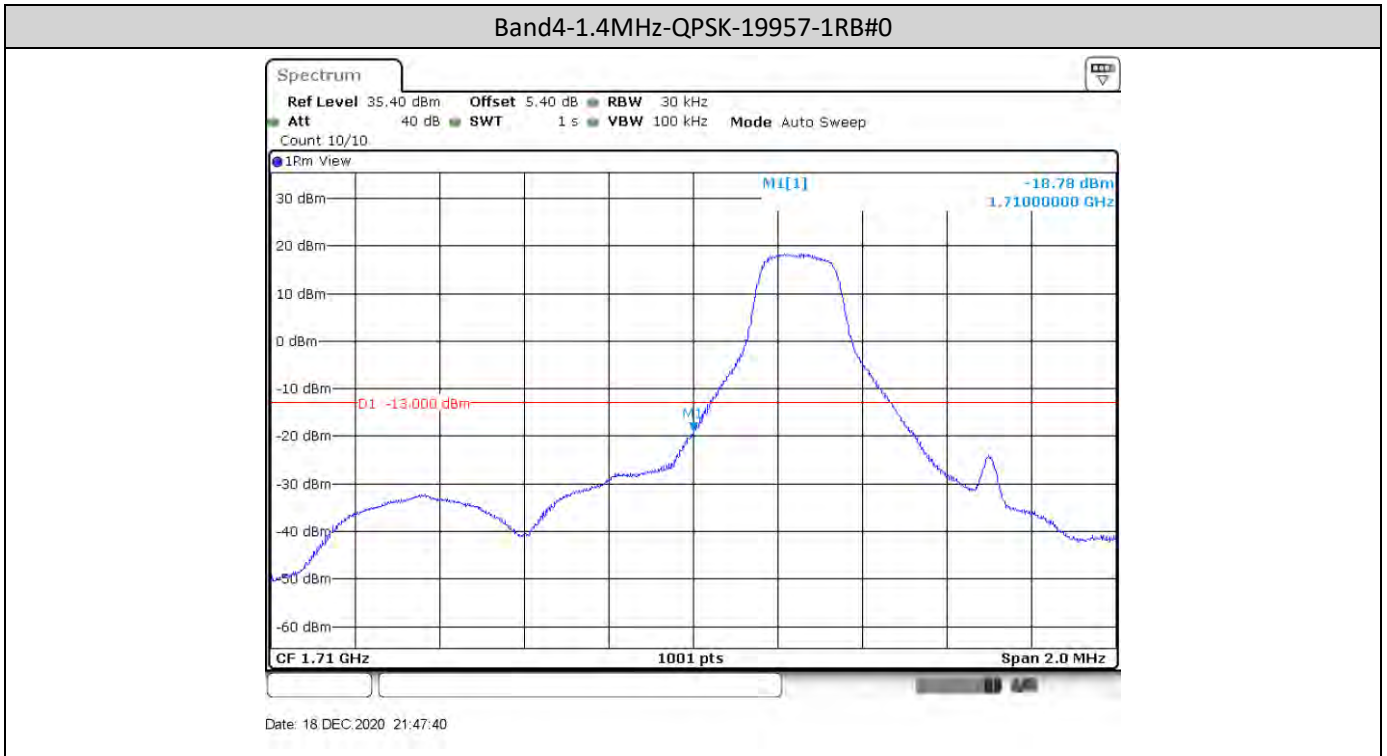


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5. Band Edge Compliance

5.1. Test Plots



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



Date: 18 DEC.2020 21:48:21

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

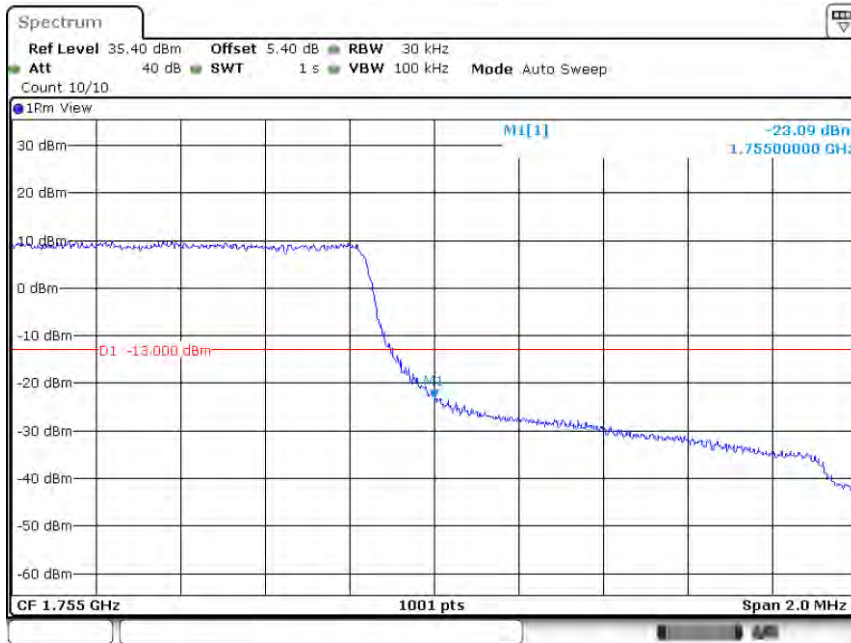


Date: 18 DEC.2020 21:49:07



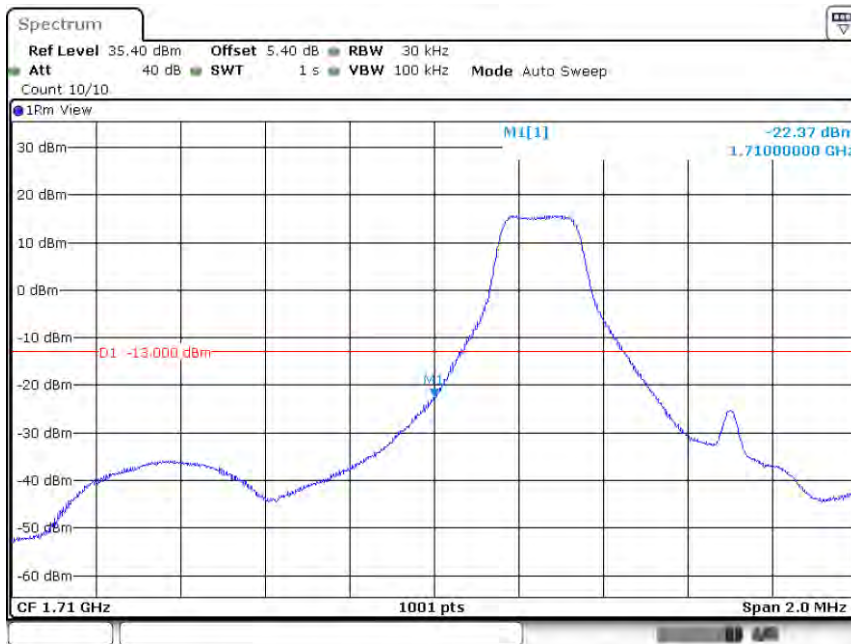
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Band4-1.4MHz-QPSK-20393-6RB#0



Date: 18 DEC.2020 21:49:48

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

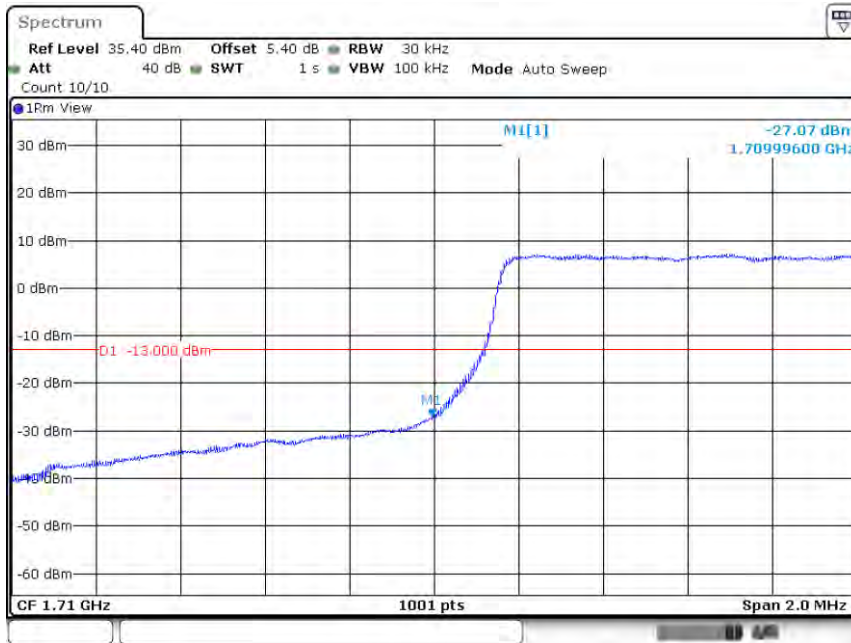


Date: 23 DEC.2020 12:31:09



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



Date: 23 DEC.2020 12:31:30

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



Date: 23 DEC.2020 12:31:55



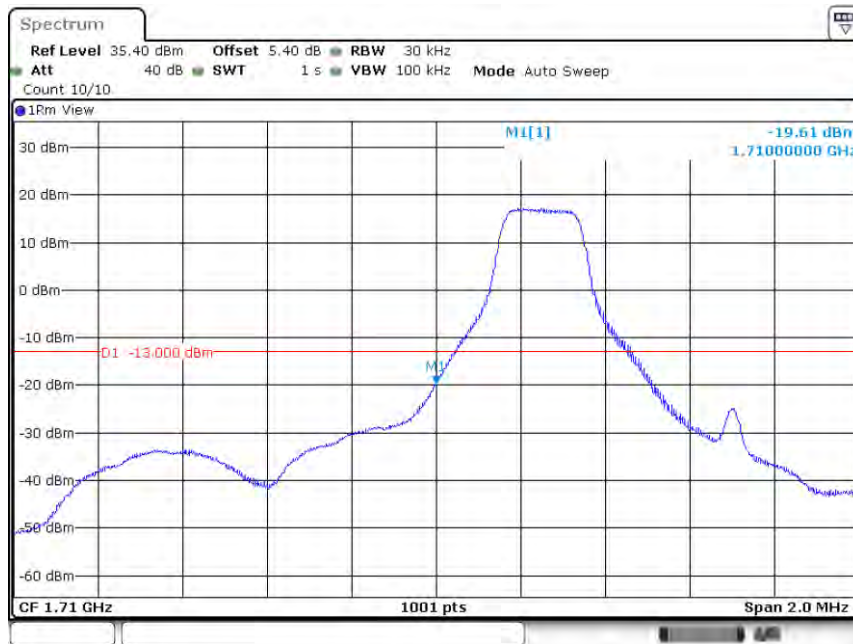
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Band4-1.4MHz-64QAM-20393-6RB#0



Date: 23 DEC.2020 12:32:16

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



Date: 18 DEC.2020 21:48:01



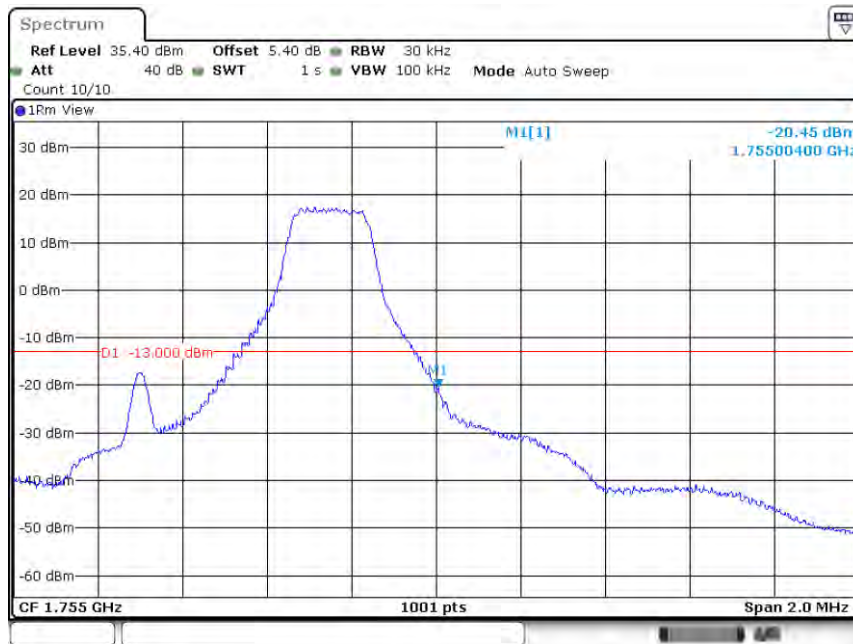
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Band4-1.4MHz-16QAM-19957-6RB#0



Date: 18 DEC.2020 21:48:42

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



Date: 18 DEC.2020 21:49:28



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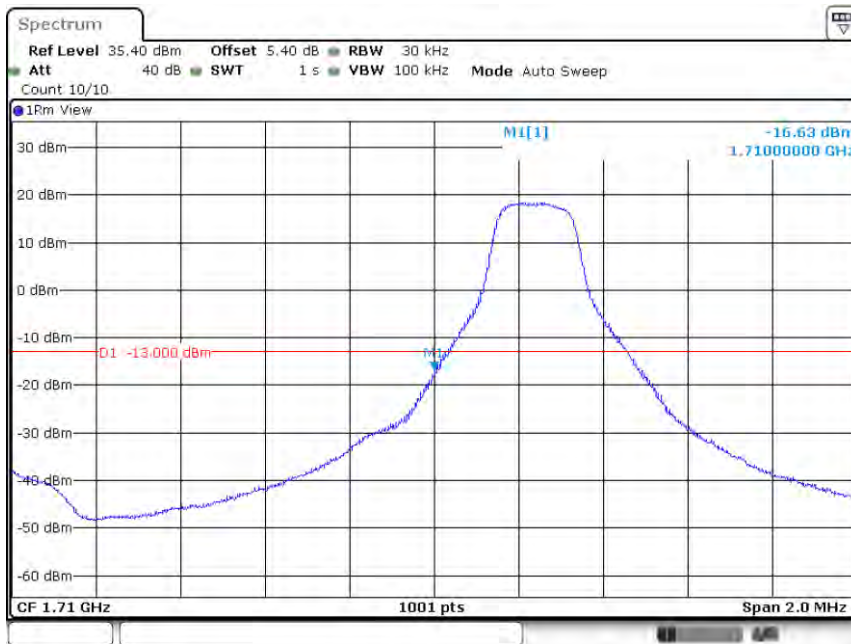


Band4-1.4MHz-16QAM-20393-6RB#0



Date: 18 DEC.2020 21:50:09

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



Date: 18 DEC.2020 21:50:34



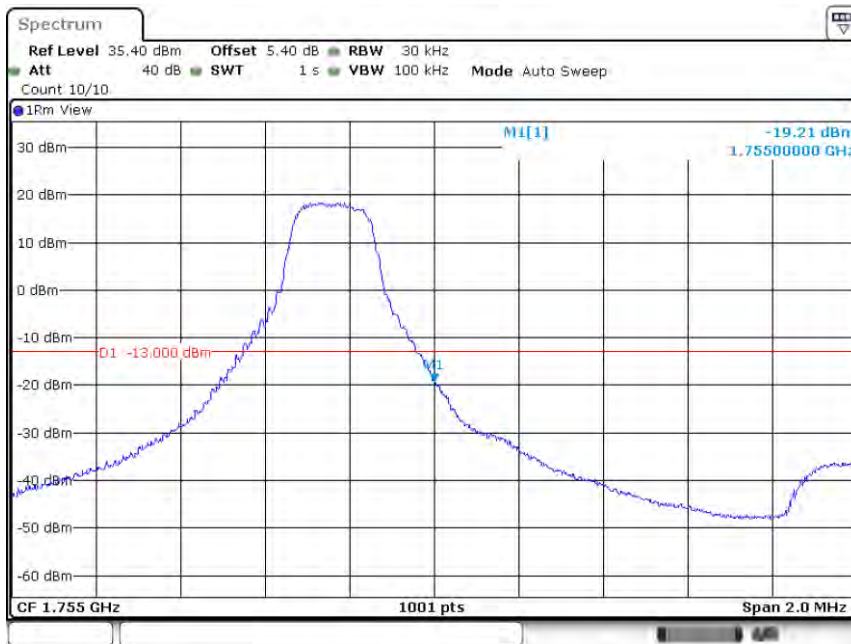
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Band4-3MHz-QPSK-19965-15RB#0



Date: 18 DEC.2020 21:51:16

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



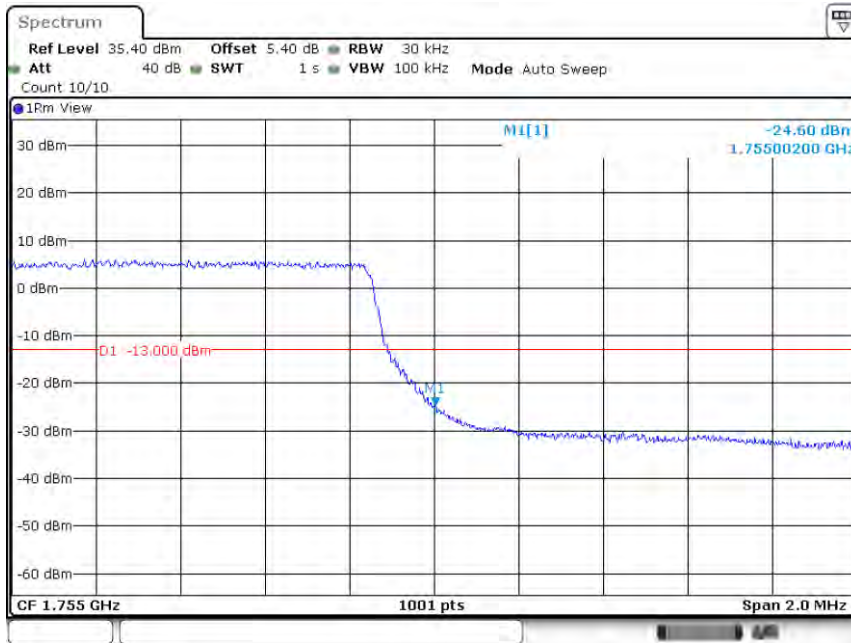
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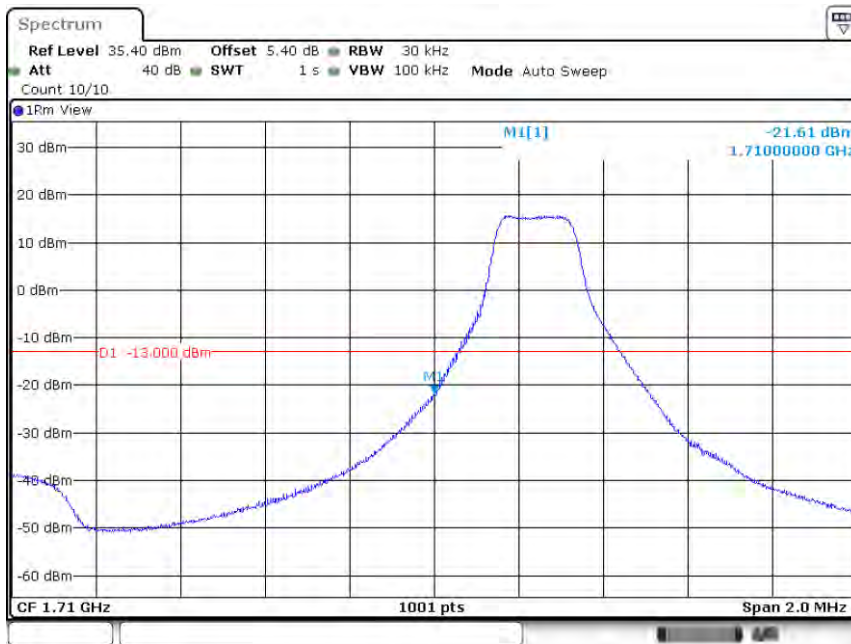


Band4-3MHz-QPSK-20385-15RB#0



Date: 18 DEC. 2020 21:52:43

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



Date: 23 DEC. 2020 12:32:44



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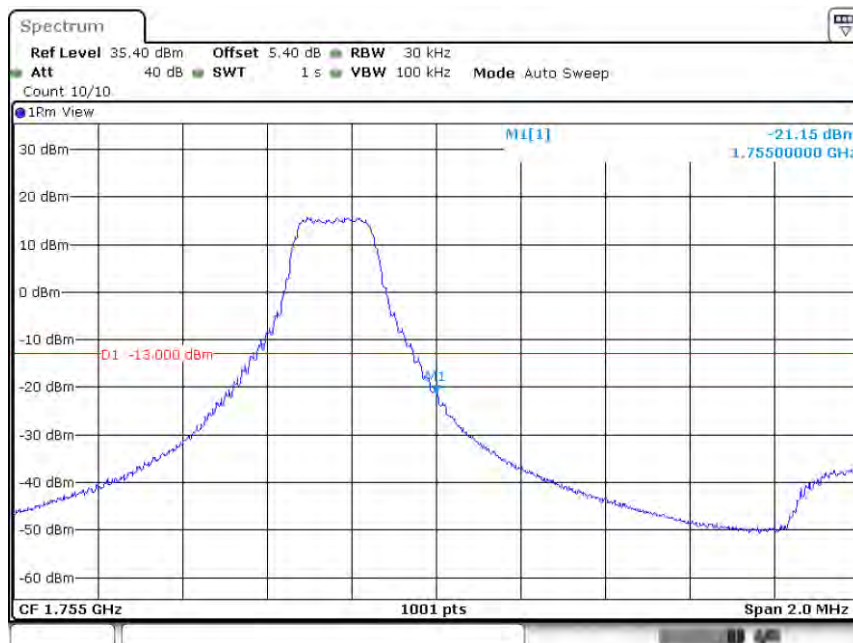


Band4-3MHz-64QAM-19965-15RB#0



Date: 23 DEC.2020 12:33:04

Band4-3MHz-64QAM-20385-1RB#14



Date: 23 DEC.2020 12:33:30



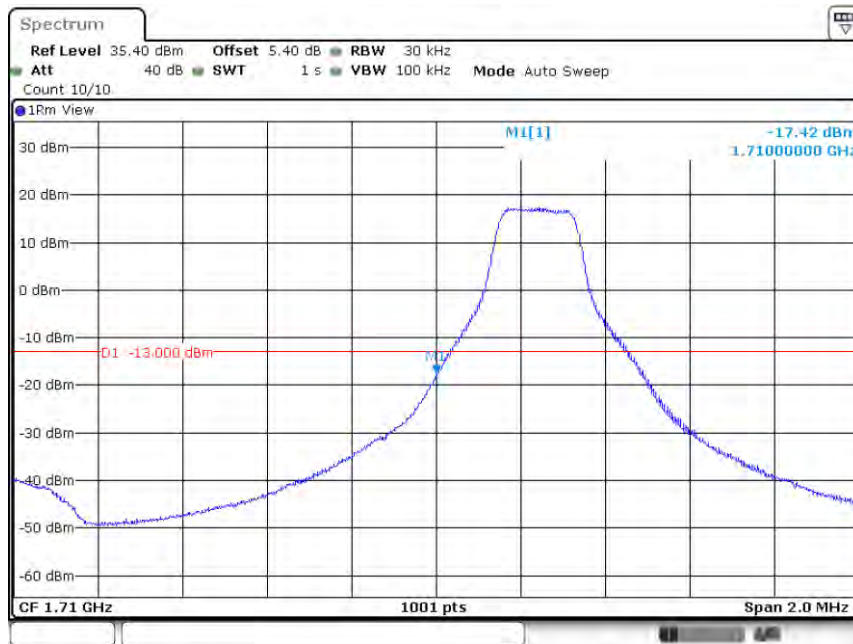
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Band4-3MHz-64QAM-20385-15RB#0



Date: 23 DEC.2020 12:33:50

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



Date: 18 DEC.2020 21:50:55



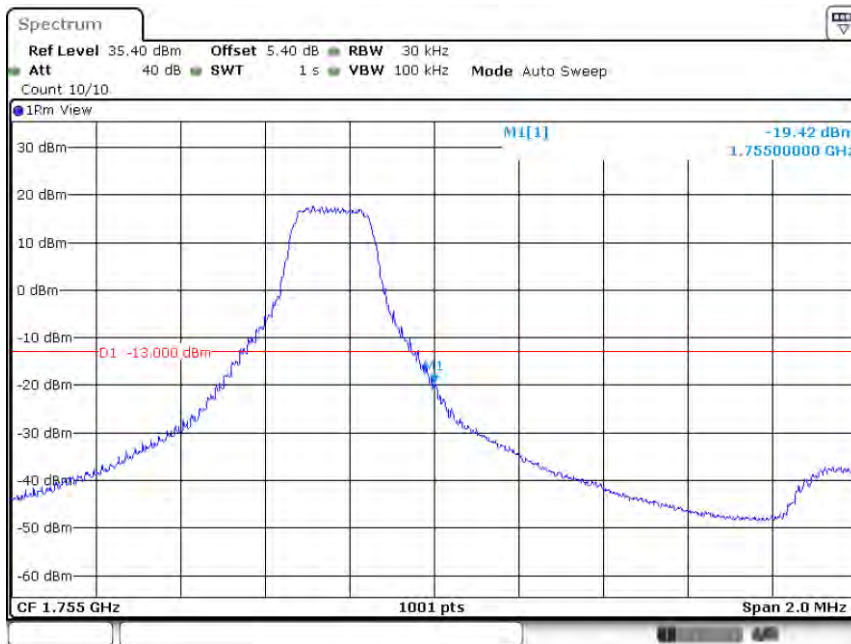
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Band4-3MHz-16QAM-19965-15RB#0



Date: 18 DEC. 2020 21:51:36

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

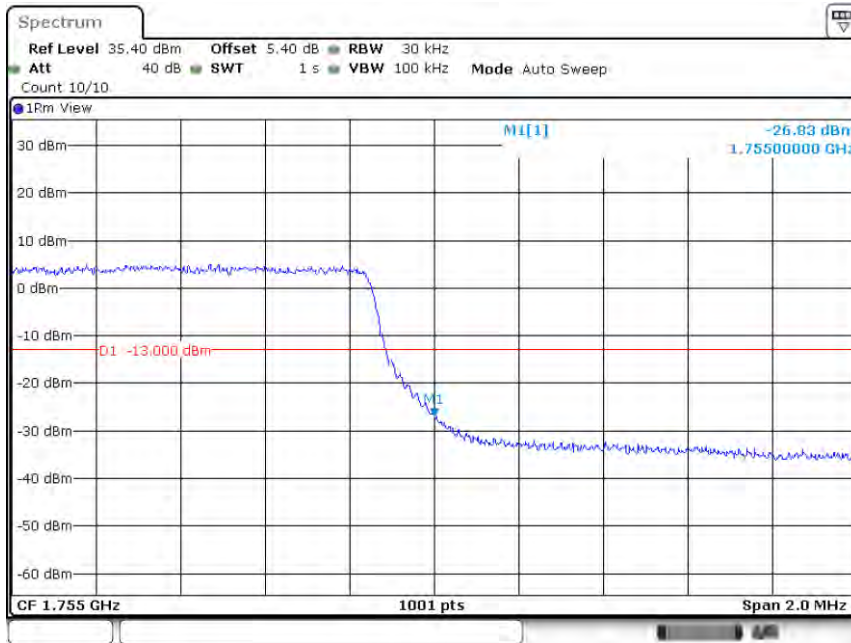


Date: 18 DEC. 2020 21:52:22



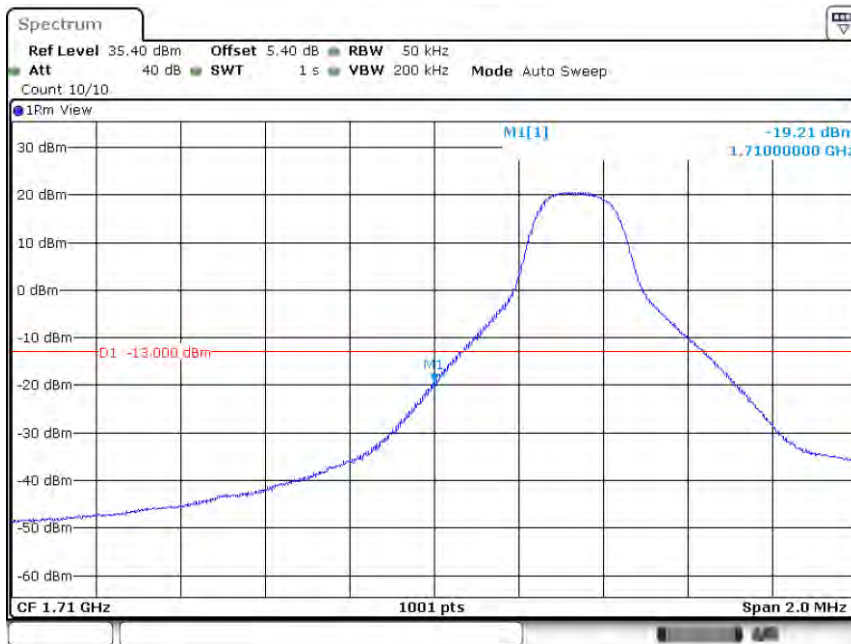
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Band4-3MHz-16QAM-20385-15RB#0



Date: 18 DEC. 2020 21:53:04

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



Date: 18 DEC. 2020 21:53:29



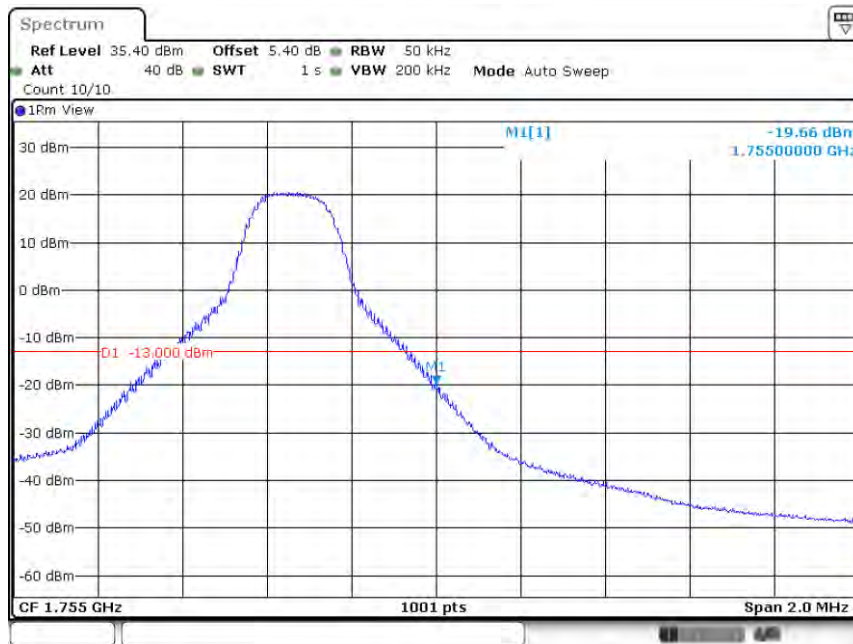
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Band4-5MHz-QPSK-19975-25RB#0



Date: 18 DEC.2020 21:54:11

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



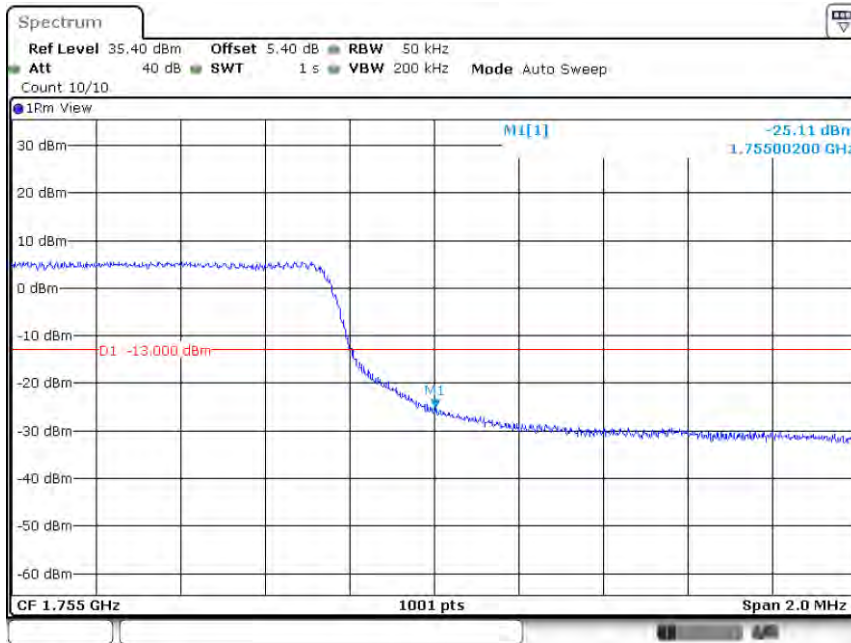
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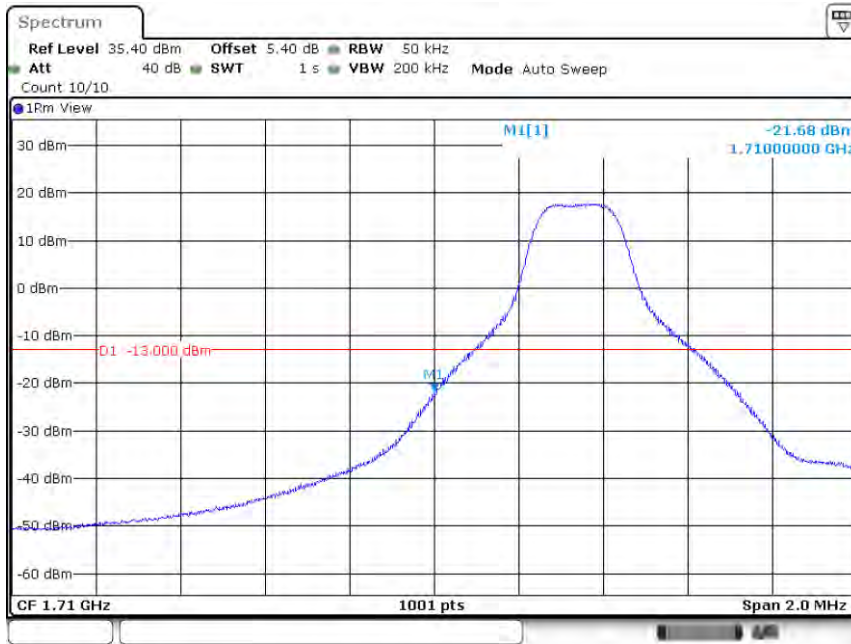


Band4-5MHz-QPSK-20375-25RB#0



Date: 18 DEC. 2020 21:55:38

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

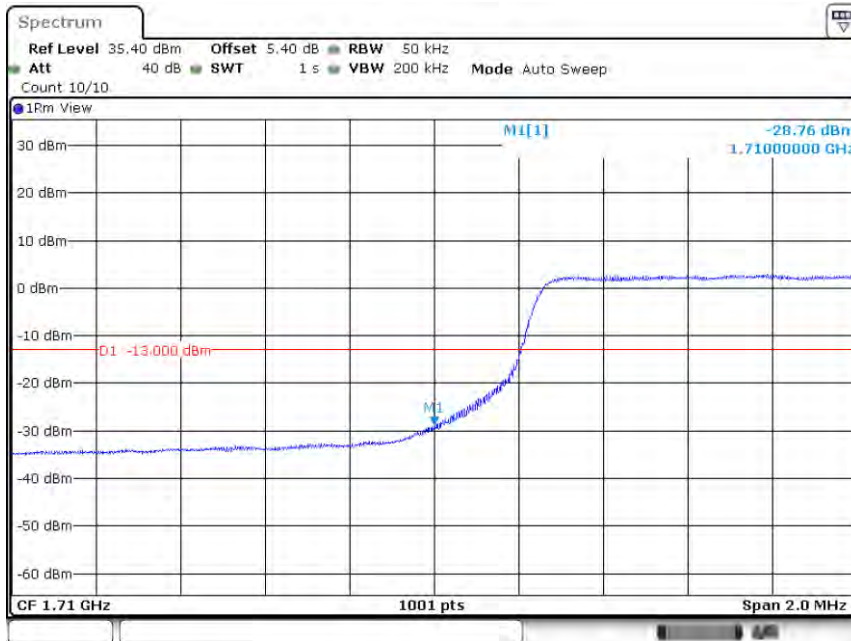


Date: 23 DEC. 2020 12:34:18



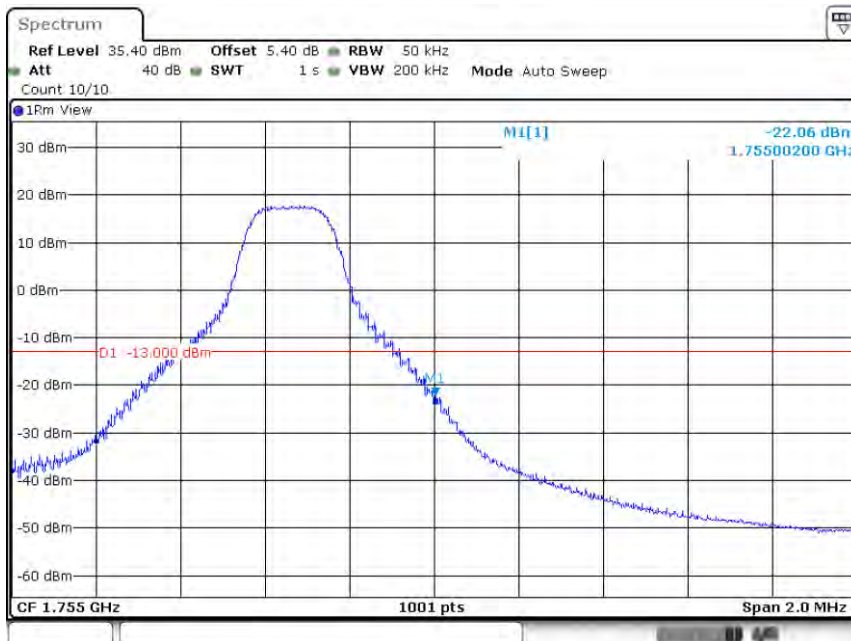
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Band4-5MHz-64QAM-19975-25RB#0



Date: 23 DEC.2020 12:34:38

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

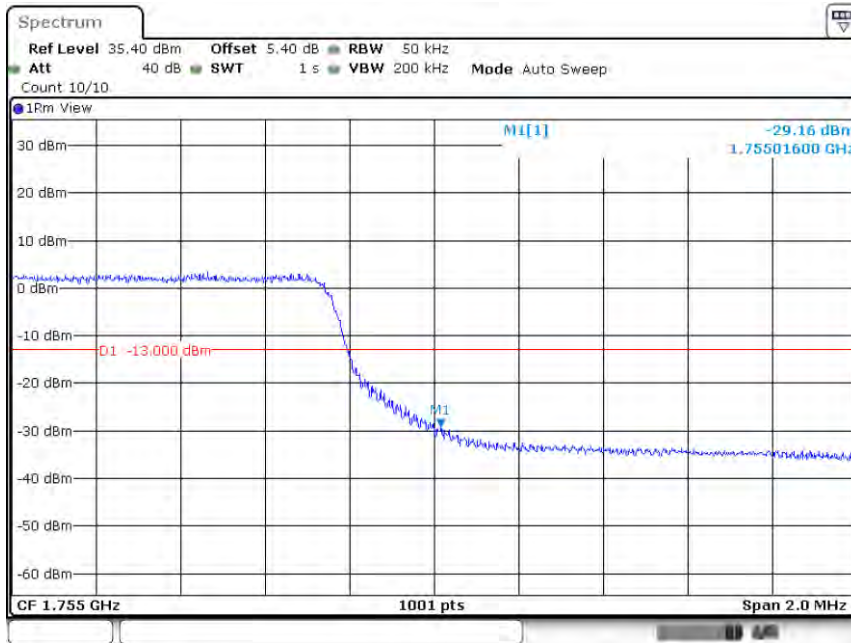


Date: 23 DEC.2020 12:35:04



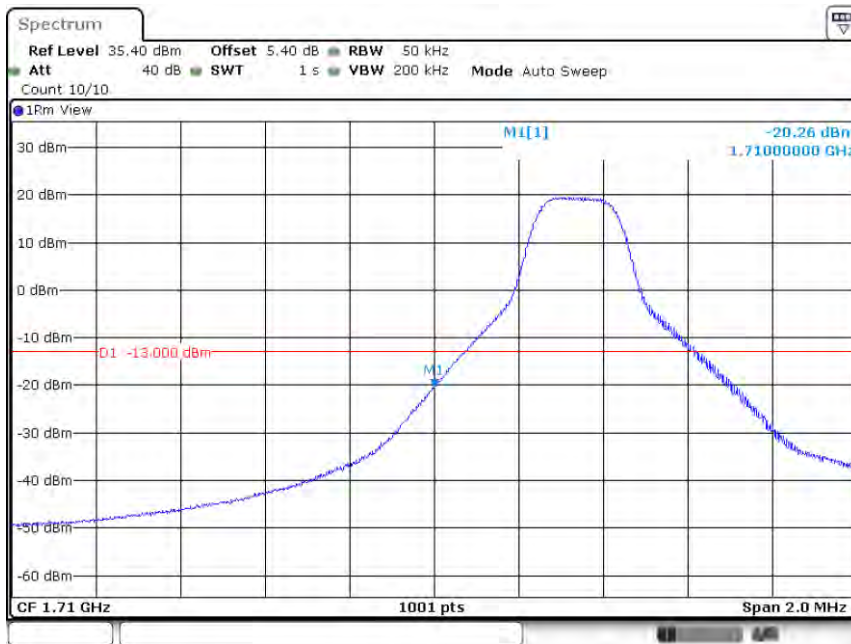
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Band4-5MHz-64QAM-20375-25RB#0



Date: 23 DEC.2020 12:35:25

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



Date: 18 DEC.2020 21:53:50



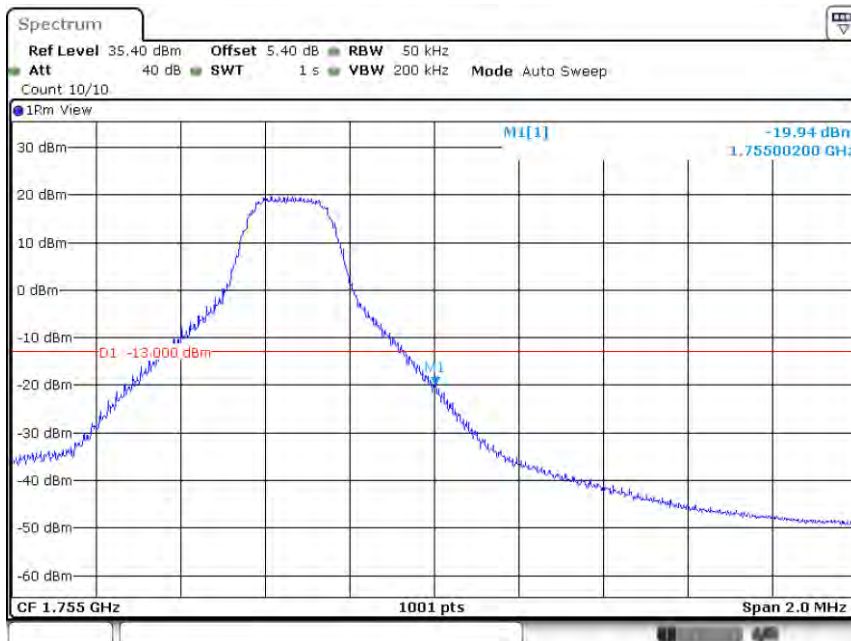
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Band4-5MHz-16QAM-19975-25RB#0



Date: 18 DEC.2020 21:54:32

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



Date: 18 DEC.2020 21:55:17



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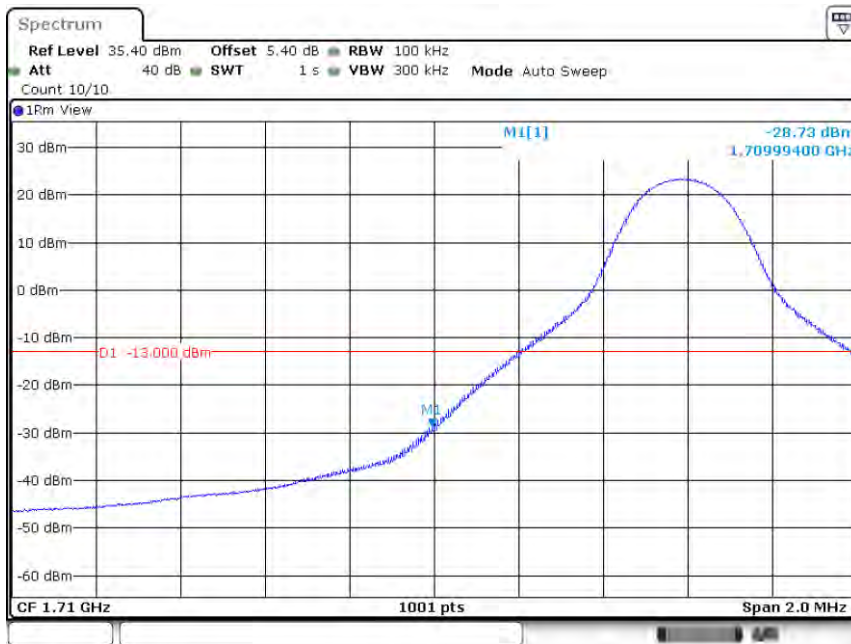
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 18 DEC.2020 21:55:59

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



Date: 18 DEC.2020 21:56:24



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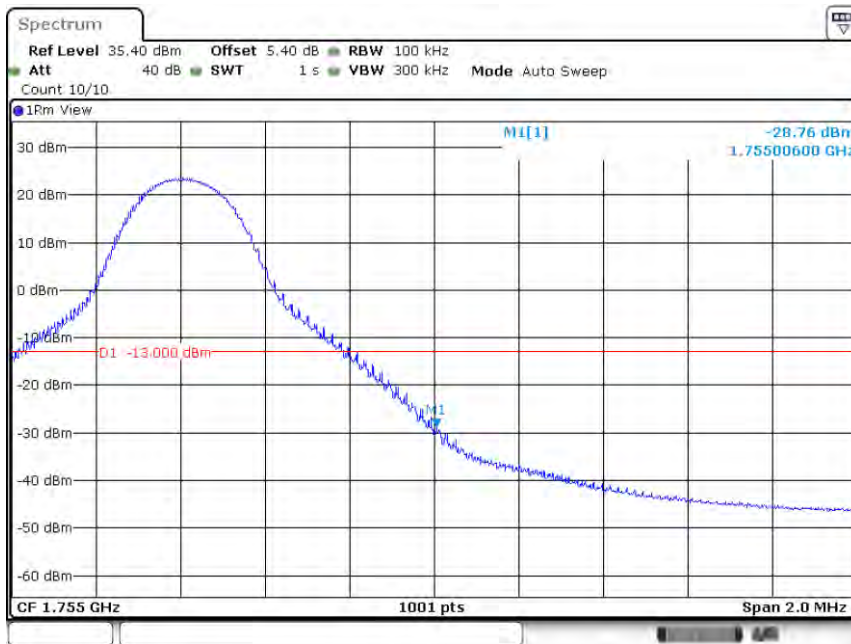


Band4-10MHz-QPSK-20000-50RB#0



Date: 18 DEC.2020 21:57:06

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



Date: 18 DEC.2020 21:57:52



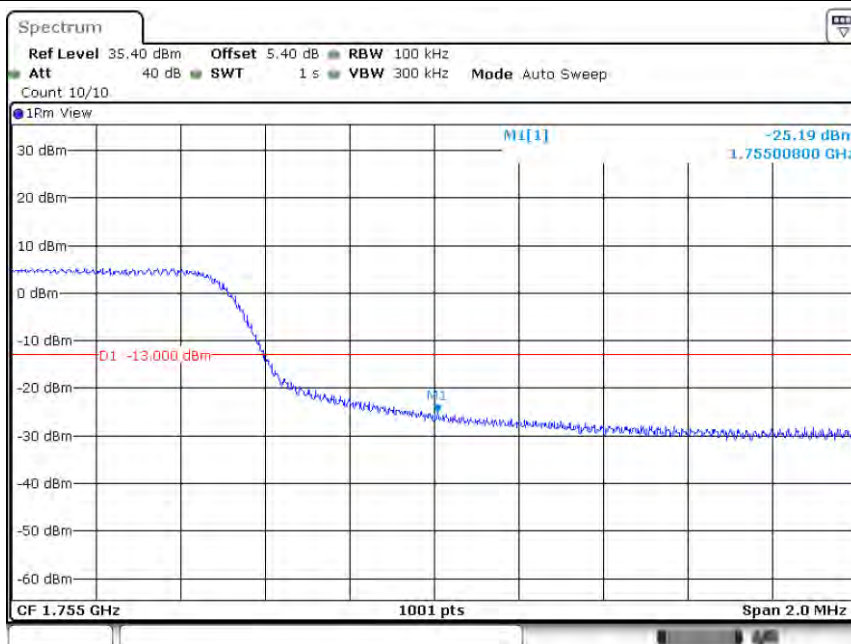
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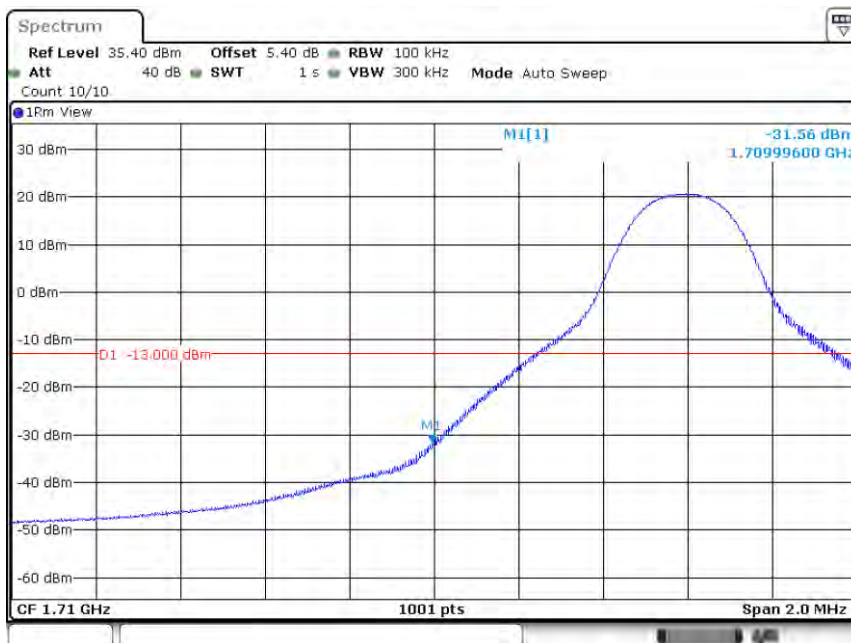


Band4-10MHz-QPSK-20350-50RB#0



Date: 18 DEC.2020 21:58:33

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

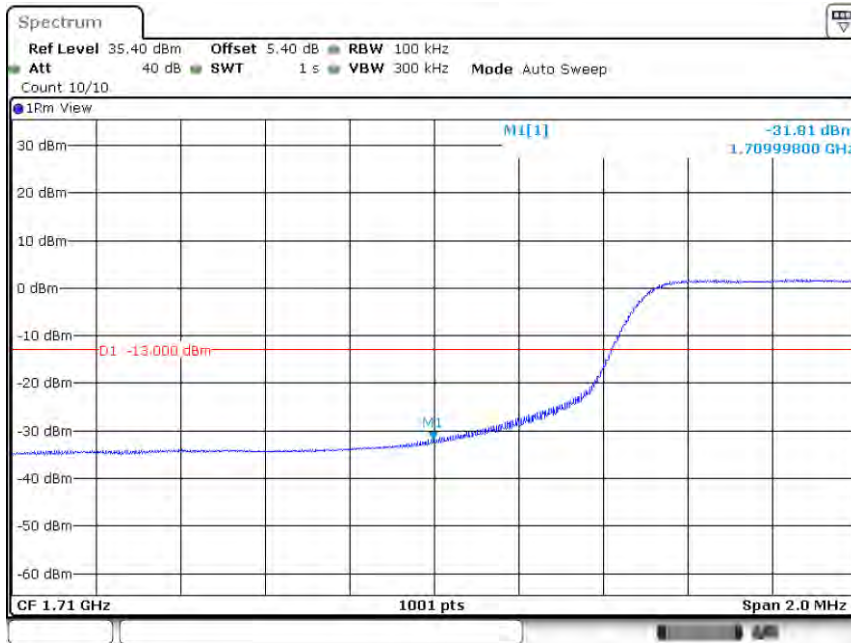


Date: 23 DEC.2020 12:35:52



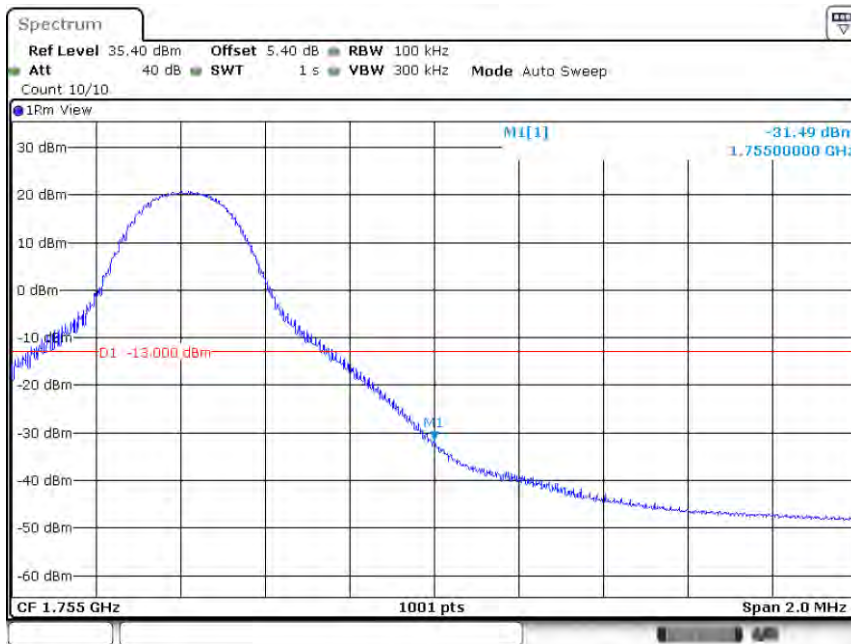
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Band4-10MHz-64QAM-20000-50RB#0



Date: 23 DEC. 2020 12:36:13

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

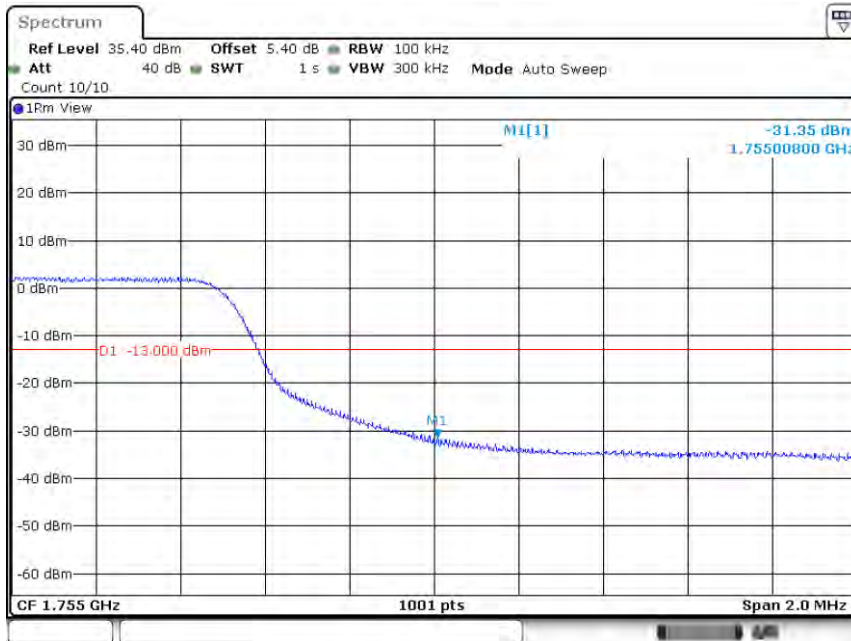


Date: 23 DEC. 2020 12:36:39



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



Date: 23 DEC.2020 12:37:00

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



Date: 18 DEC.2020 21:56:45



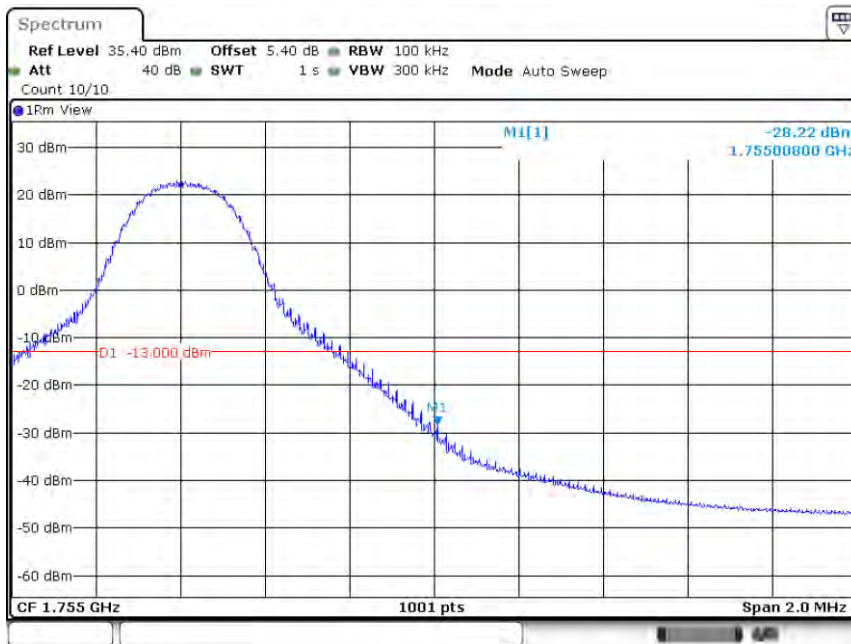
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Band4-10MHz-16QAM-20000-50RB#0



Date: 18 DEC.2020 21:57:26

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

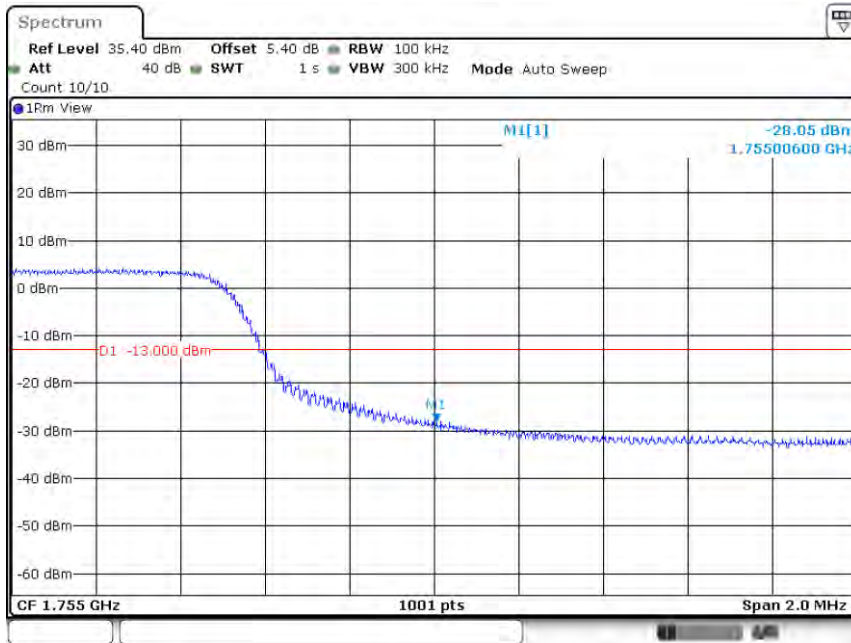


Date: 18 DEC.2020 21:58:12



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



Date: 18 DEC 2020 21:58:53

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



Date: 18 DEC 2020 22:17:24



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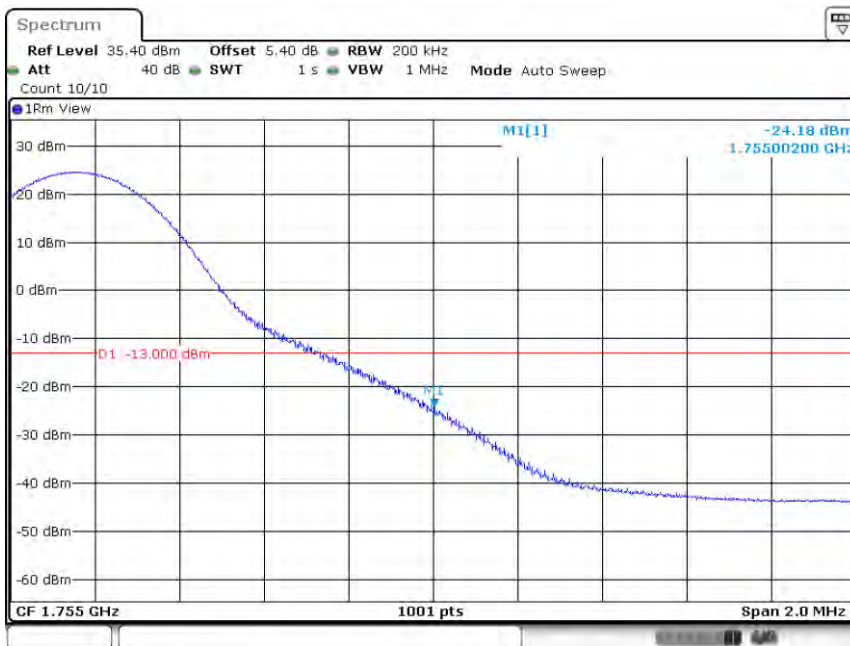


Band4-15MHz-QPSK-20025-75RB#0



Date: 18 DEC 2020 22:18:05

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

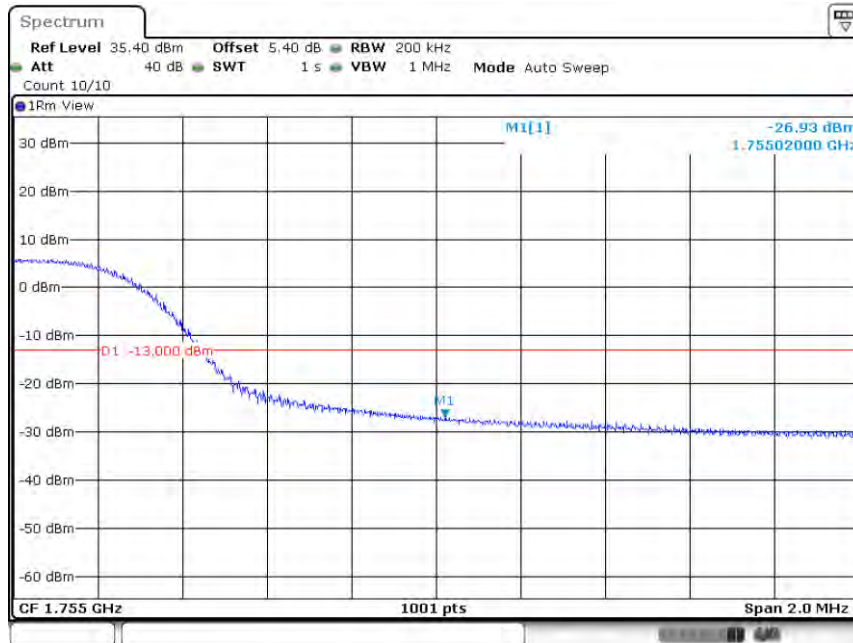


Date: 18 DEC 2020 22:18:50



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



Date: 18 DEC. 2020 22:19:31

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



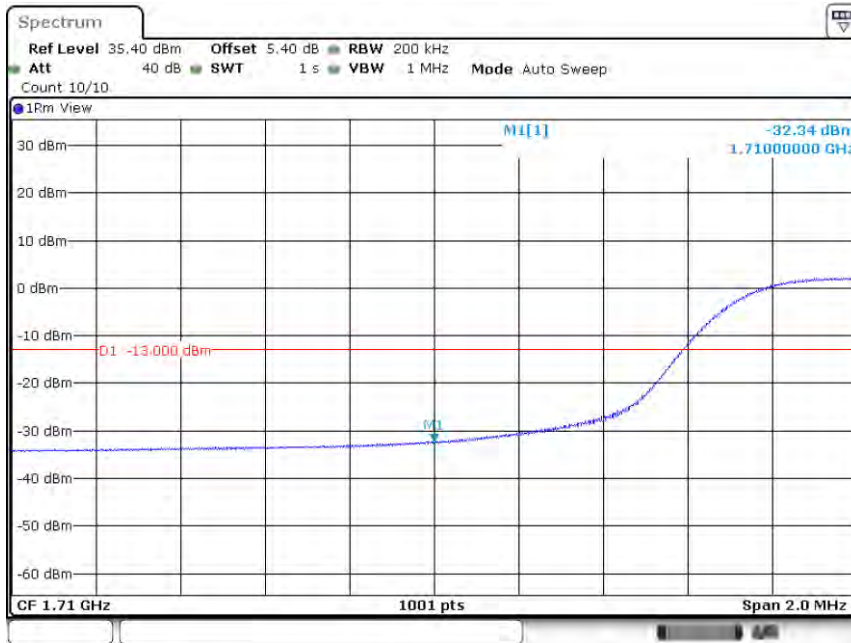
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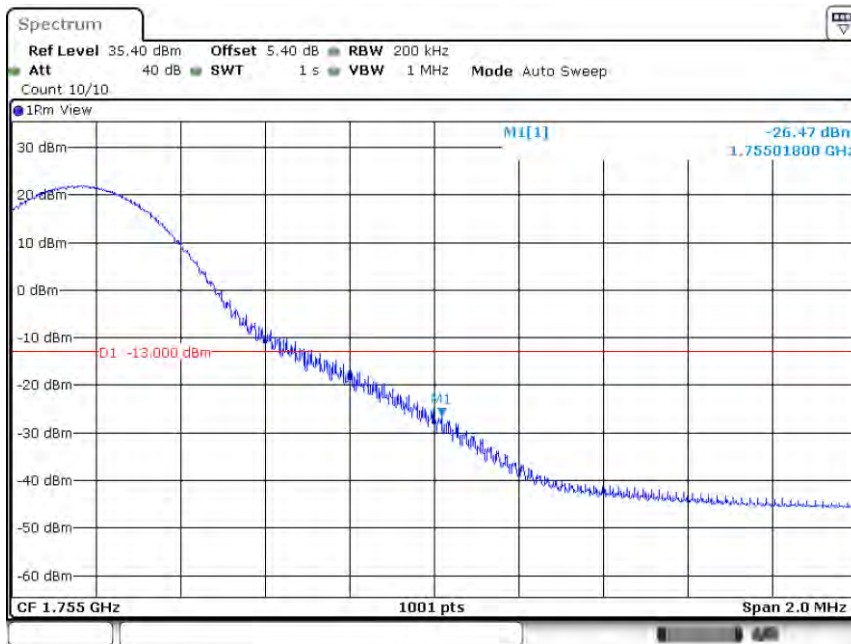


Band4-15MHz-64QAM-20025-75RB#0



Date: 23 DEC.2020 12:37:48

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



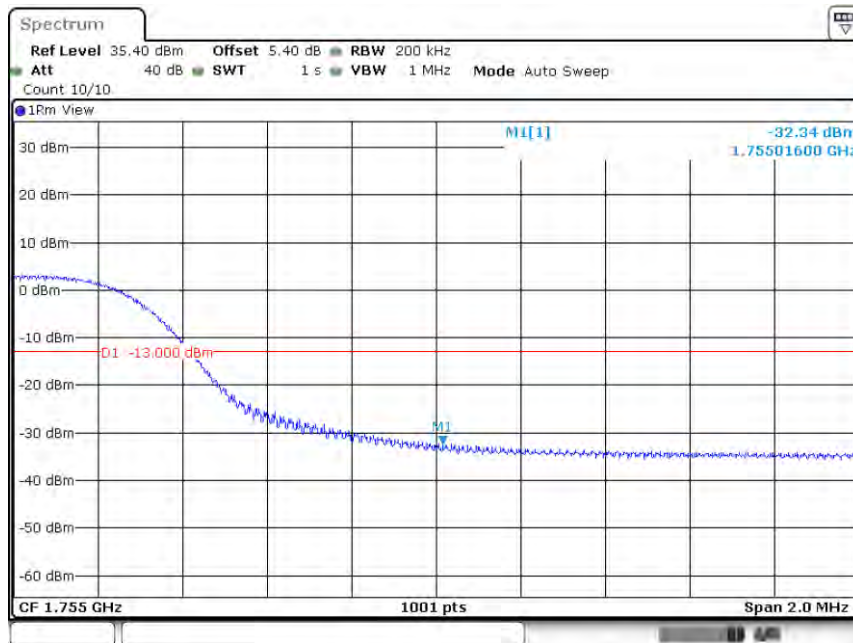
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Band4-15MHz-64QAM-20325-75RB#0



Date: 23 DEC 2020 12:38:35

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



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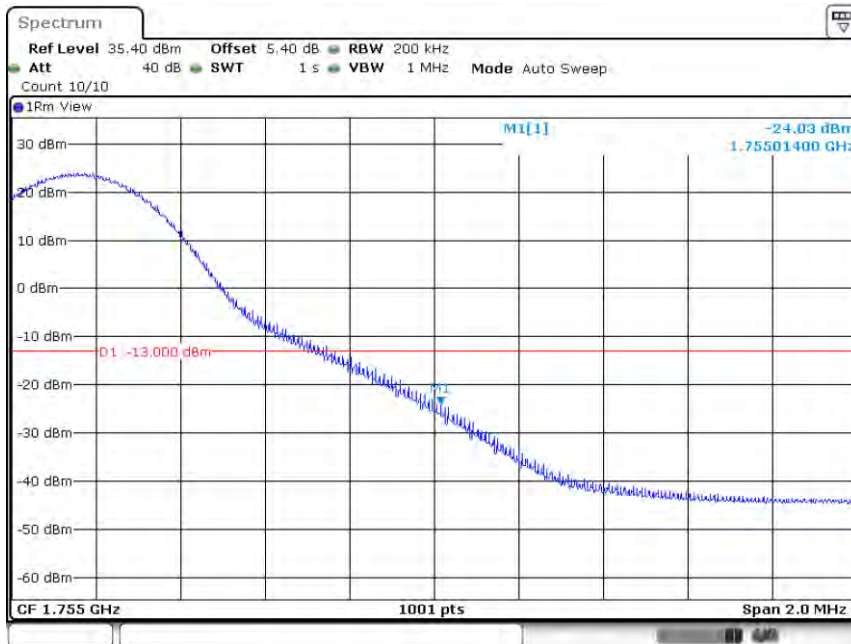


Band4-15MHz-16QAM-20025-75RB#0



Date: 18 DEC 2020 22:18:25

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

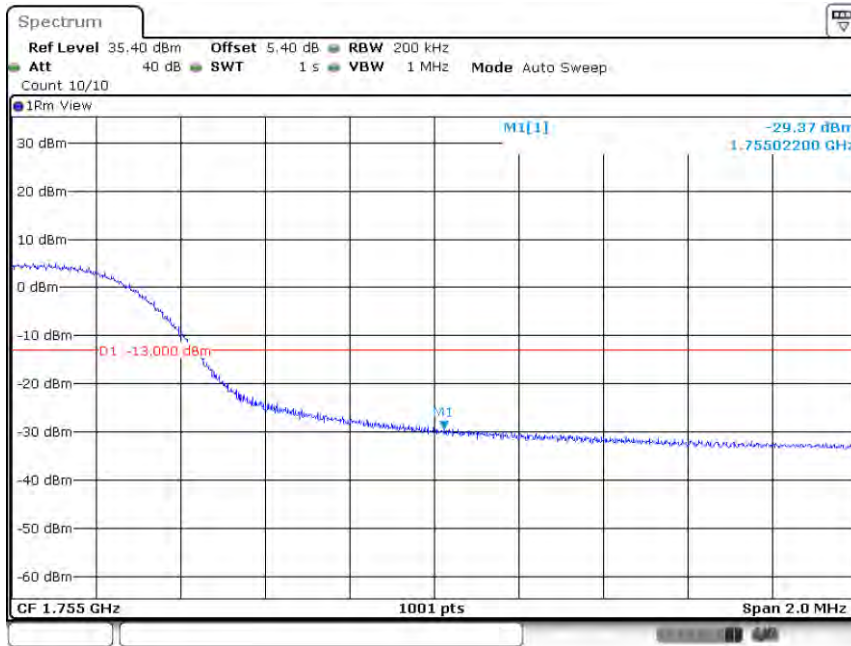


Date: 18 DEC 2020 22:19:11



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



Date: 18 DEC.2020 22:19:52

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



Date: 18 DEC.2020 22:20:17



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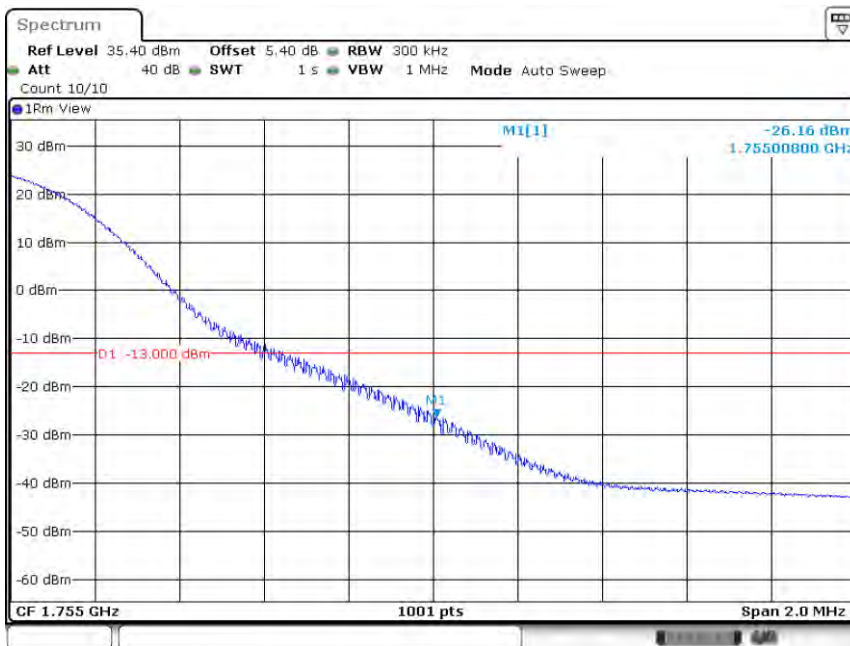


Band4-20MHz-QPSK-20050-100RB#0



Date: 18 DEC 2020 22:20:58

Band4-20MHz-QPSK-20300-1RB#99



Date: 18 DEC 2020 22:21:44

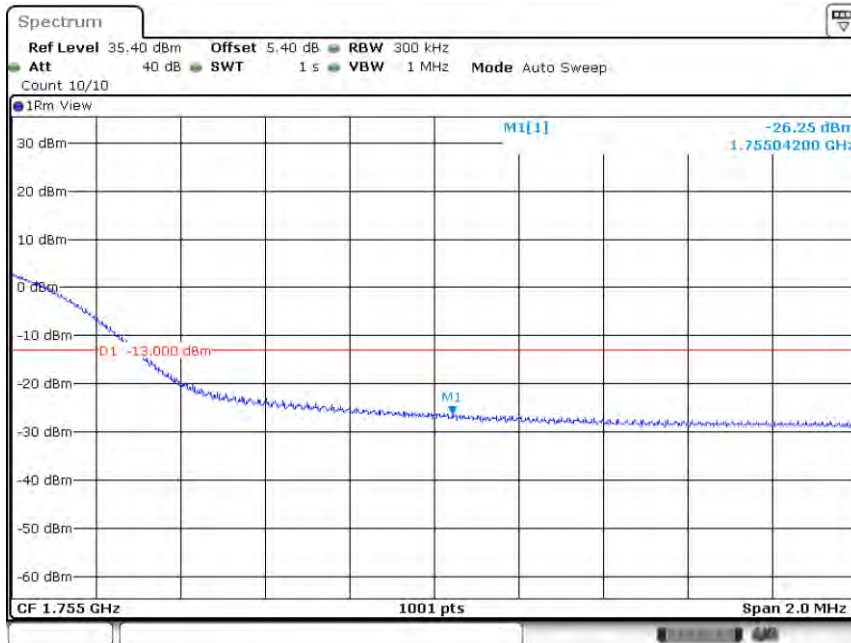


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Band4-20MHz-QPSK-20300-100RB#0



Date: 18 DEC. 2020 22:22:25

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



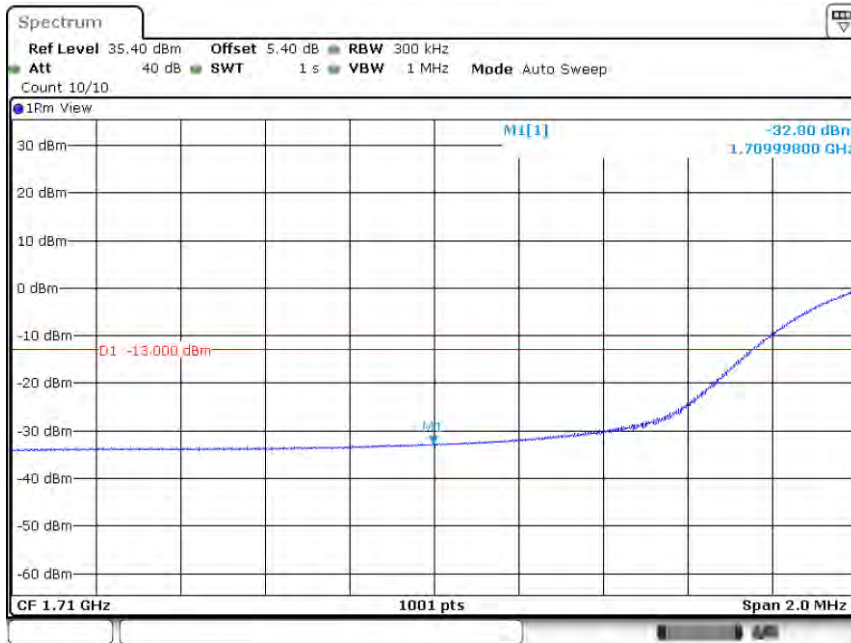
Date: 23 DEC. 2020 12:39:03



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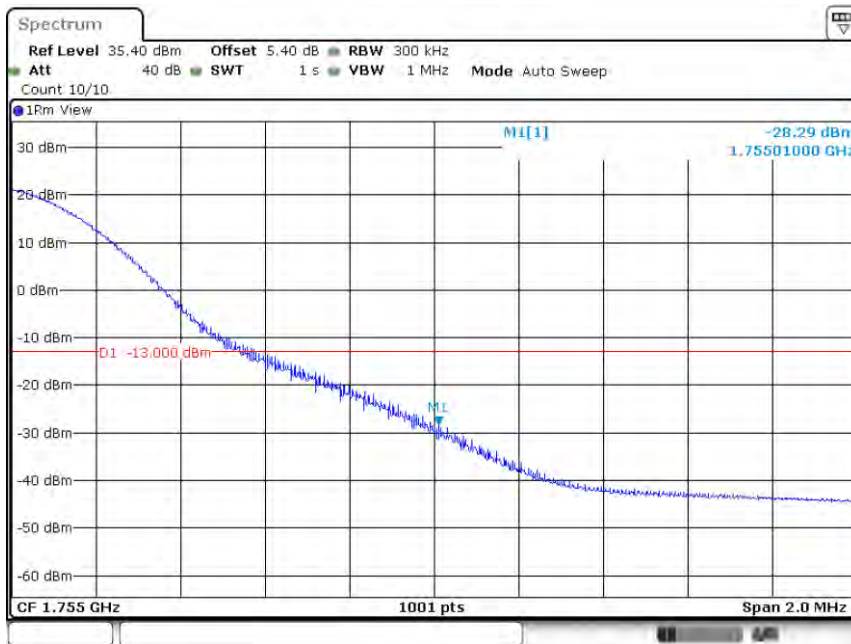


Band4-20MHz-64QAM-20050-100RB#0



Date: 23 DEC.2020 12:39:23

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



Date: 23 DEC.2020 12:39:49



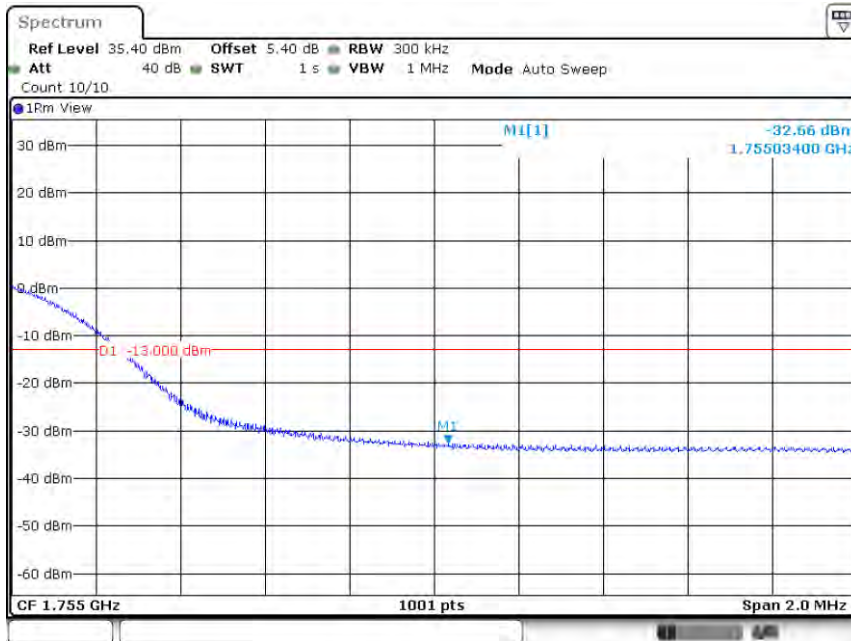
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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



Date: 23 DEC 2020 12:40:10

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



Date: 18 DEC 2020 22:20:38

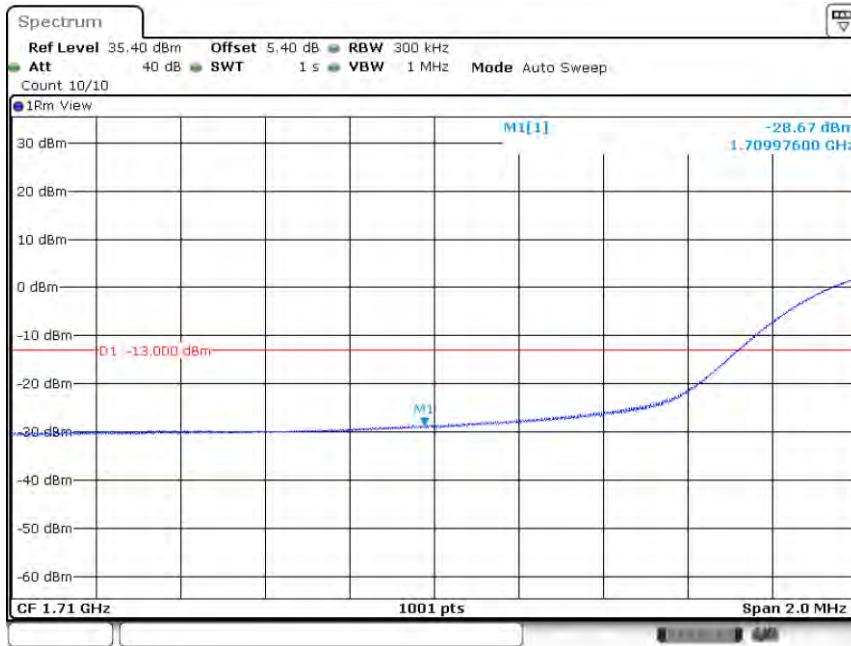


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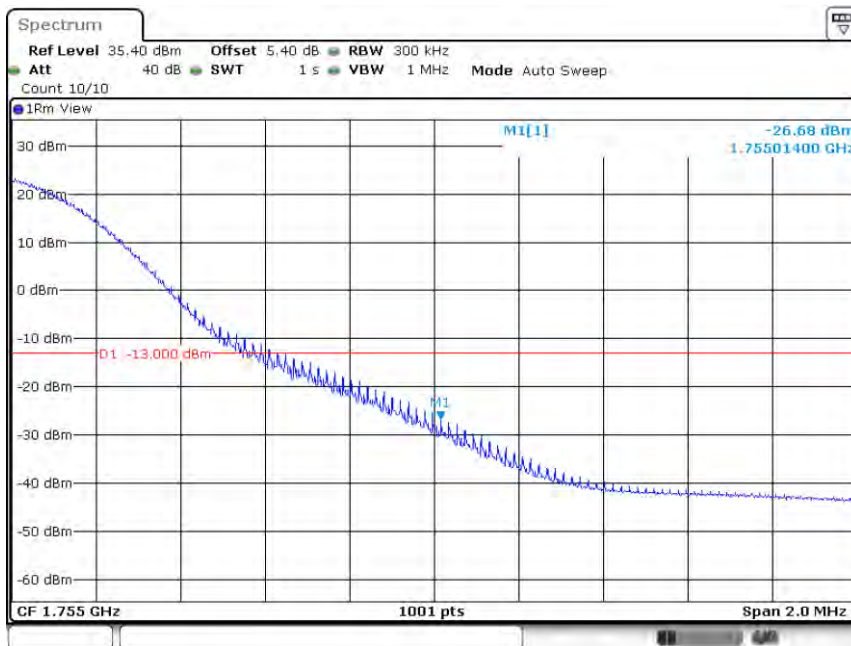


Band4-20MHz-16QAM-20050-100RB#0



Date: 18 DEC 2020 22:21:19

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

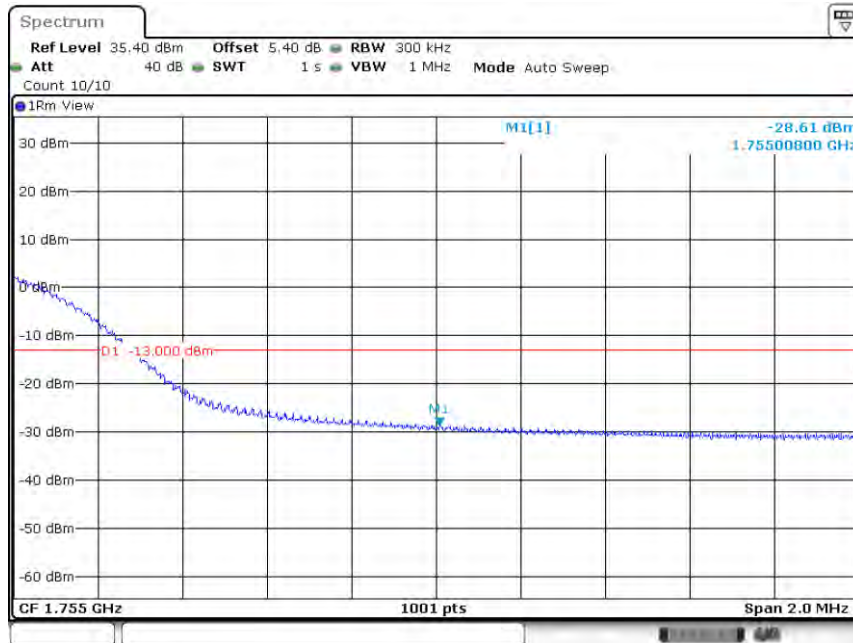


Date: 18 DEC 2020 22:22:05



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



Date: 18 DEC. 2020 22:22:46



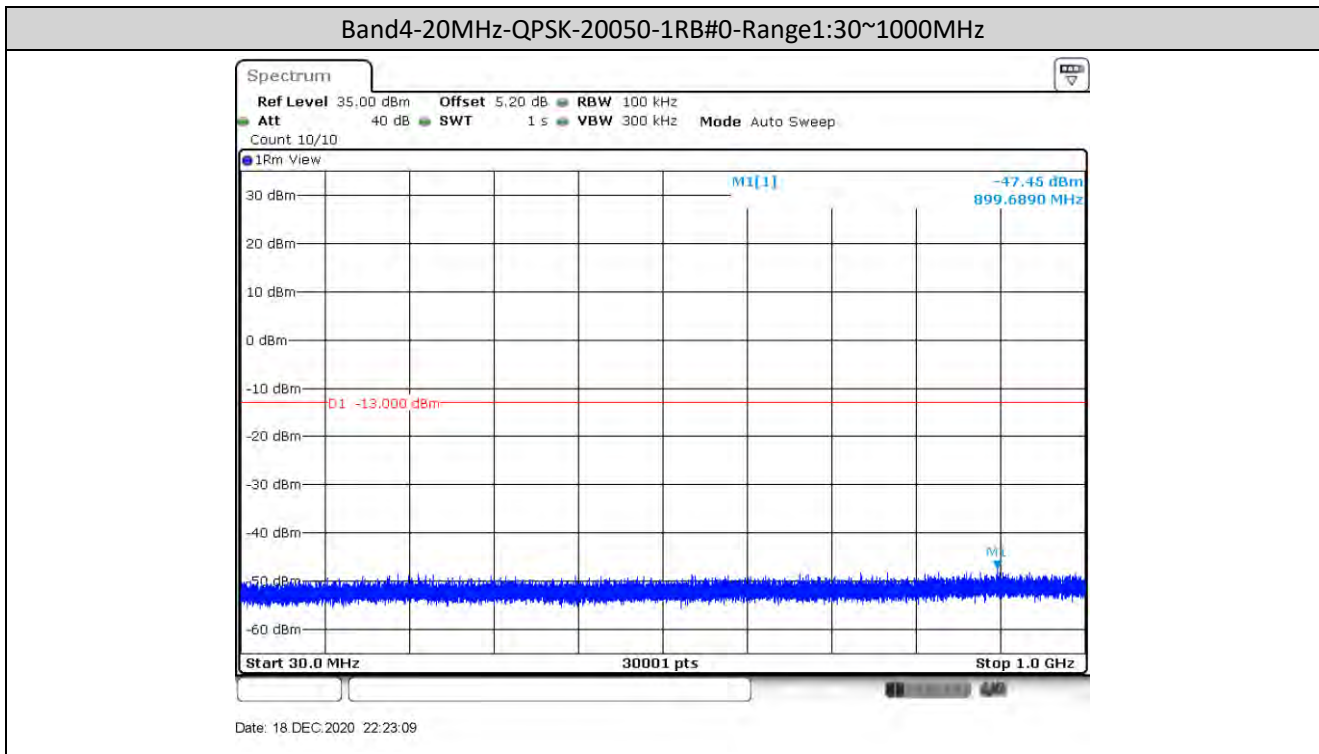
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6. Spurious Emission at Antenna Terminal

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: only the worst case data displayed in this report.

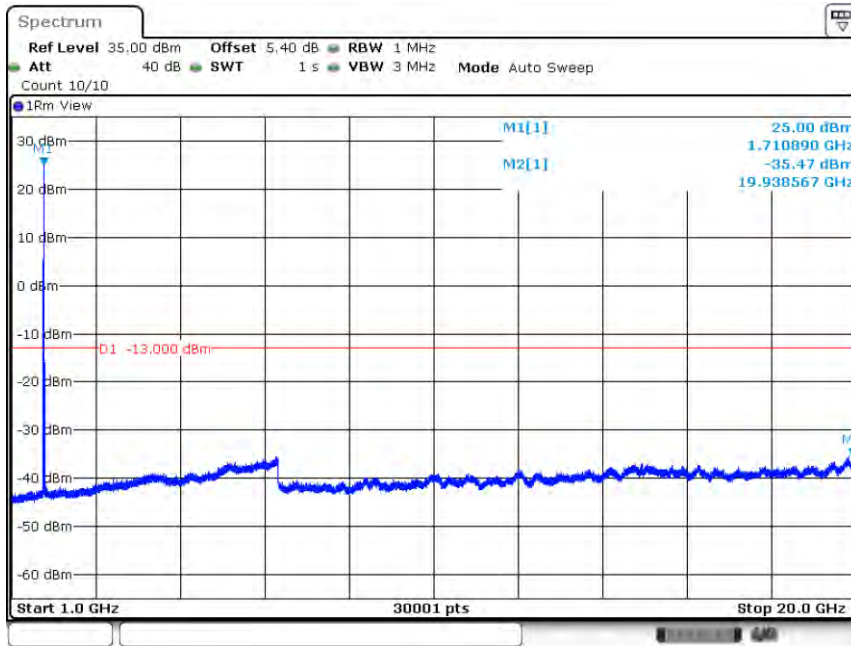
6.1. Test Plots



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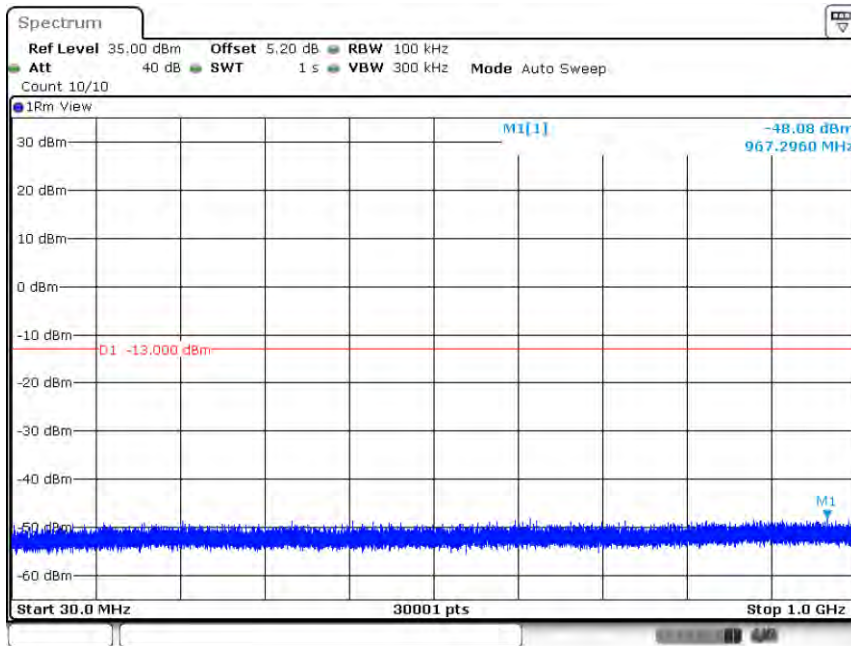
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Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 18 DEC. 2020 22:23:26

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

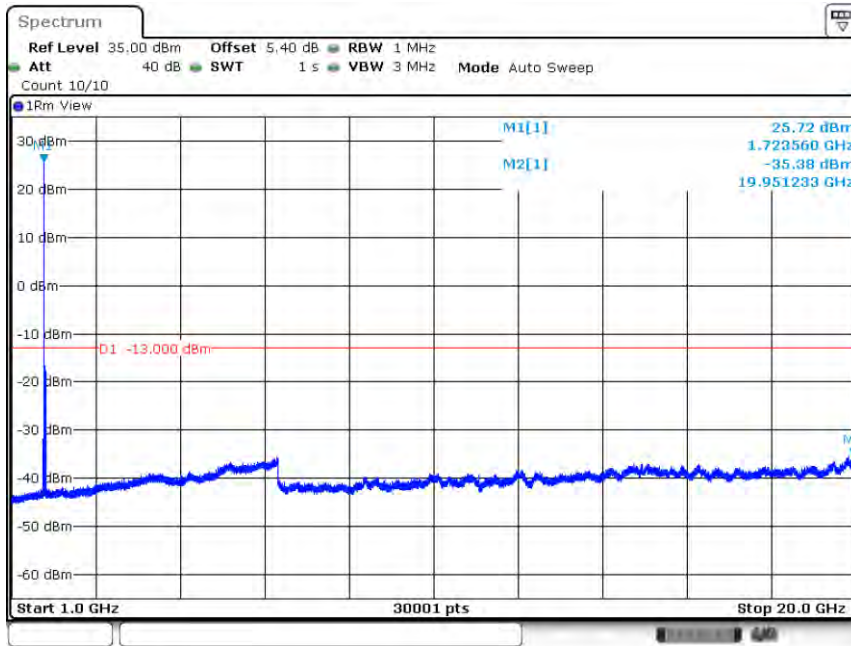


Date: 18 DEC. 2020 22:24:21



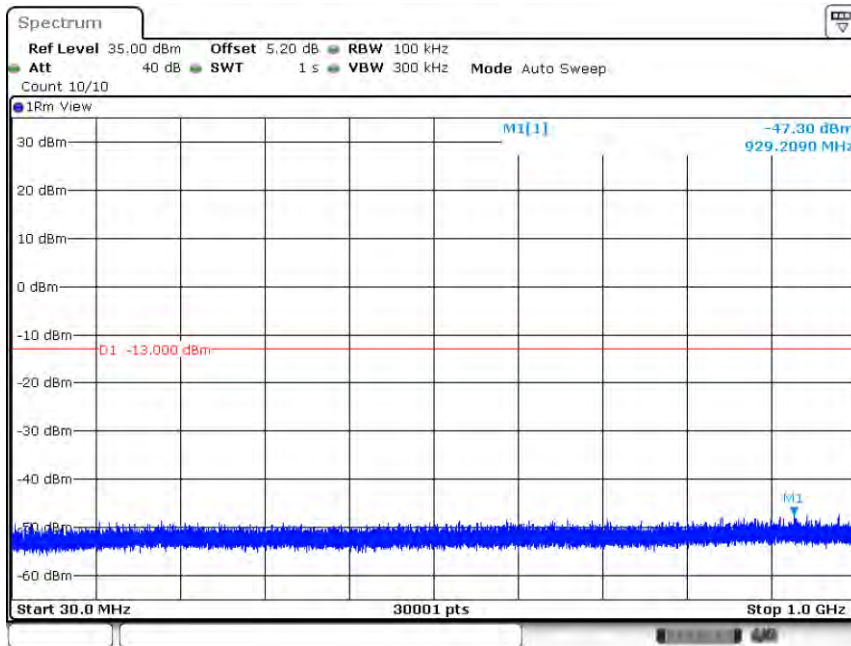
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Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 18 DEC.2020 22:24:37

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



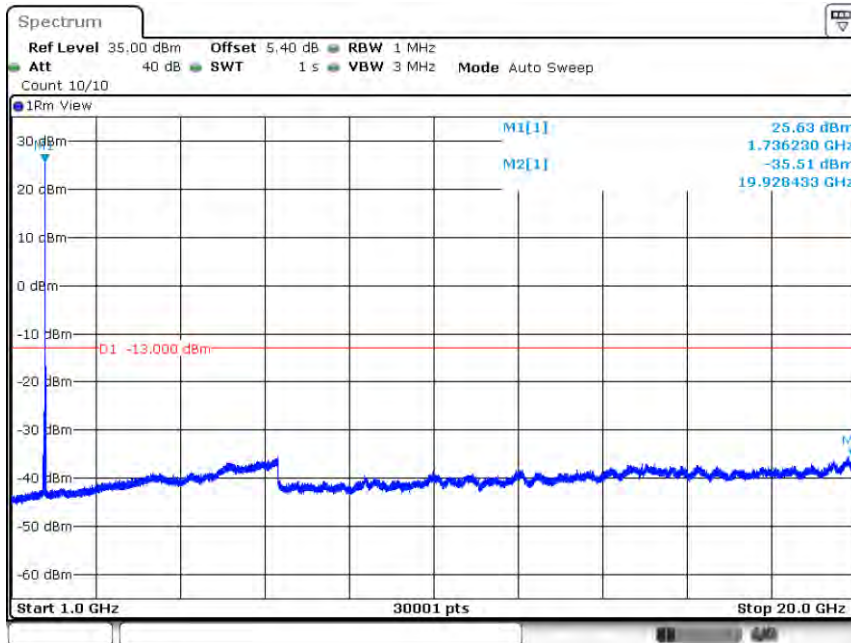
Date: 18 DEC.2020 22:25:31



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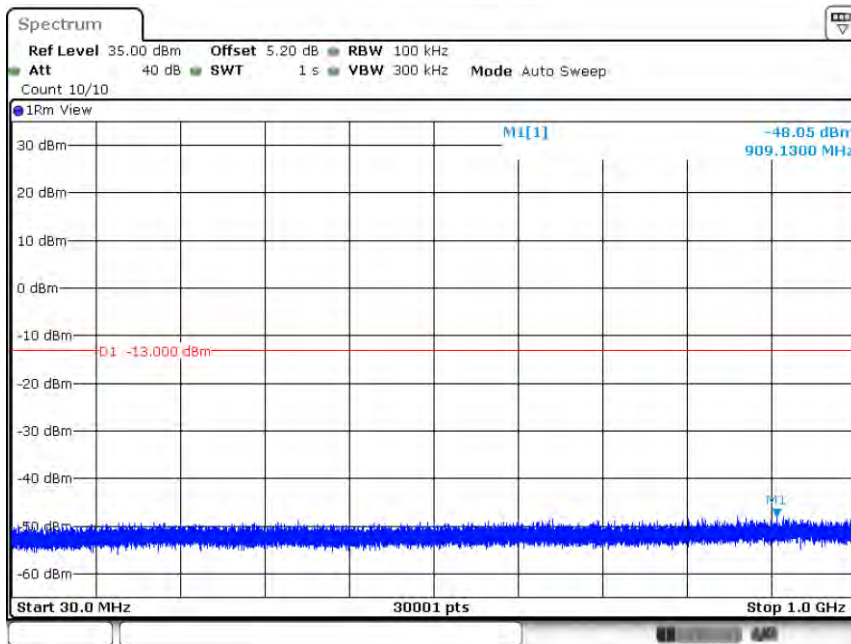
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Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 18 DEC.2020 22:25:47

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



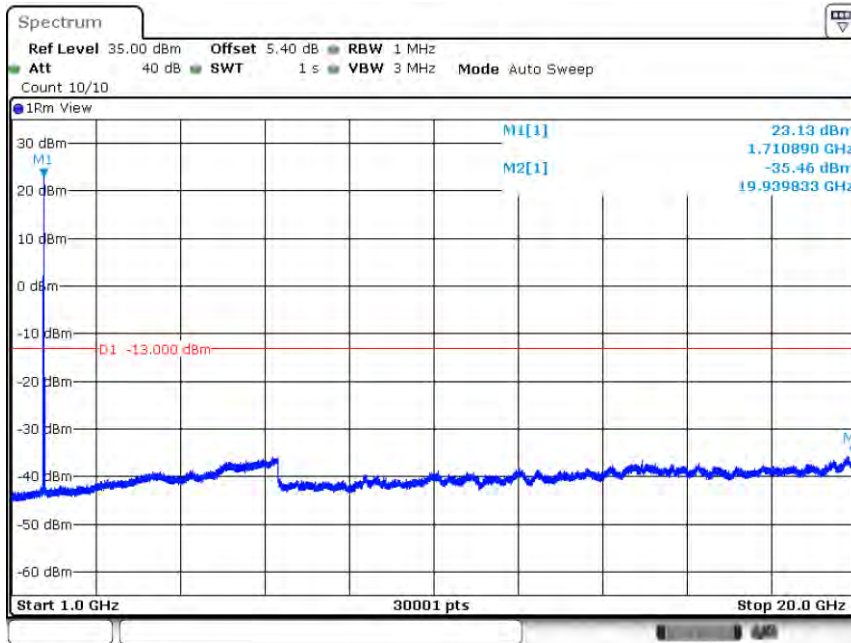
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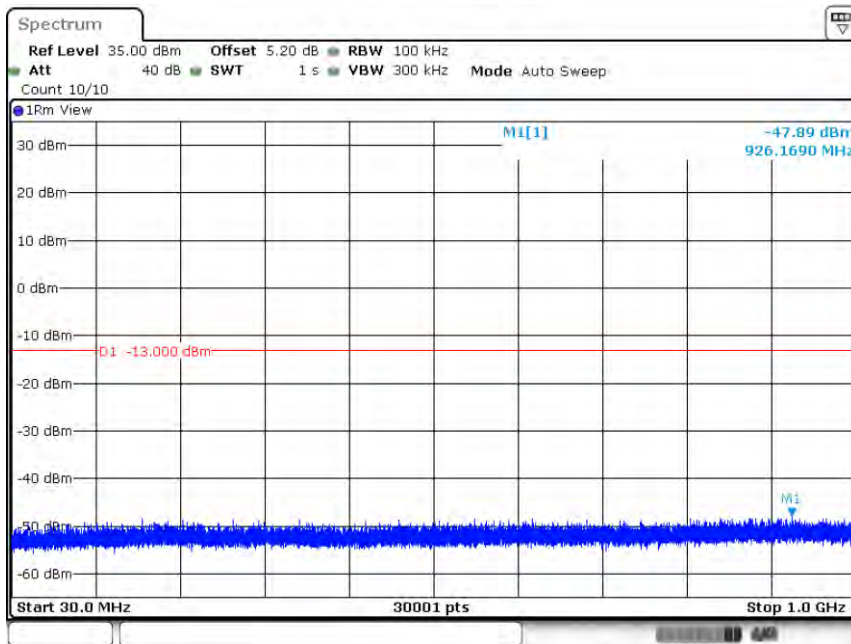
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Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 23 DEC.2020 12:40:51

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

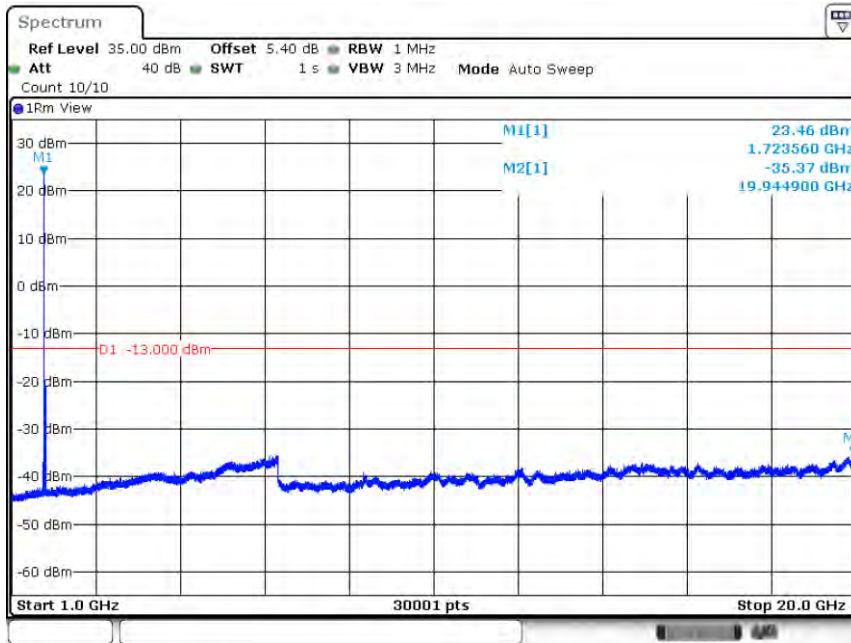


Date: 23 DEC.2020 12:41:10



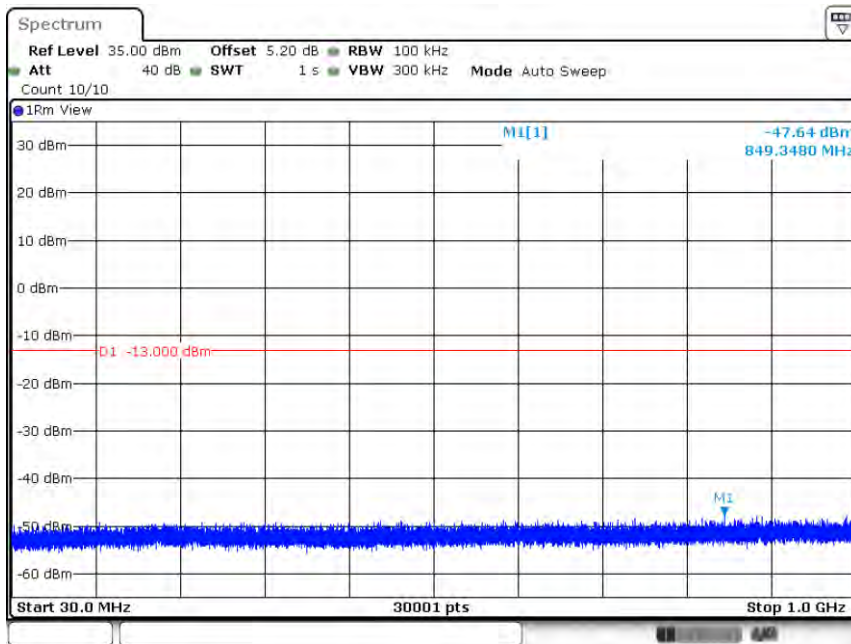
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Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 23 DEC.2020 12:41:26

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



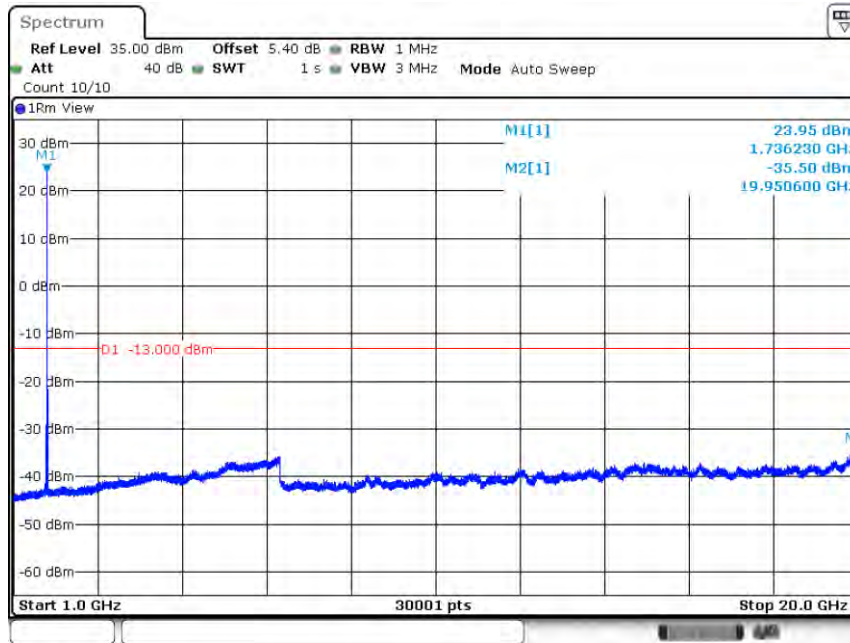
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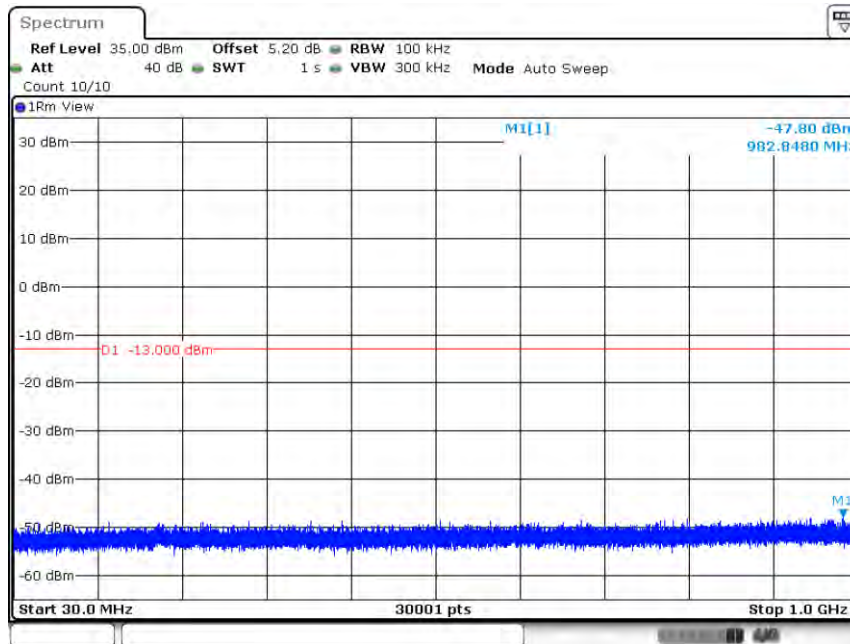
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Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 23 DEC.2020 12:42:01

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



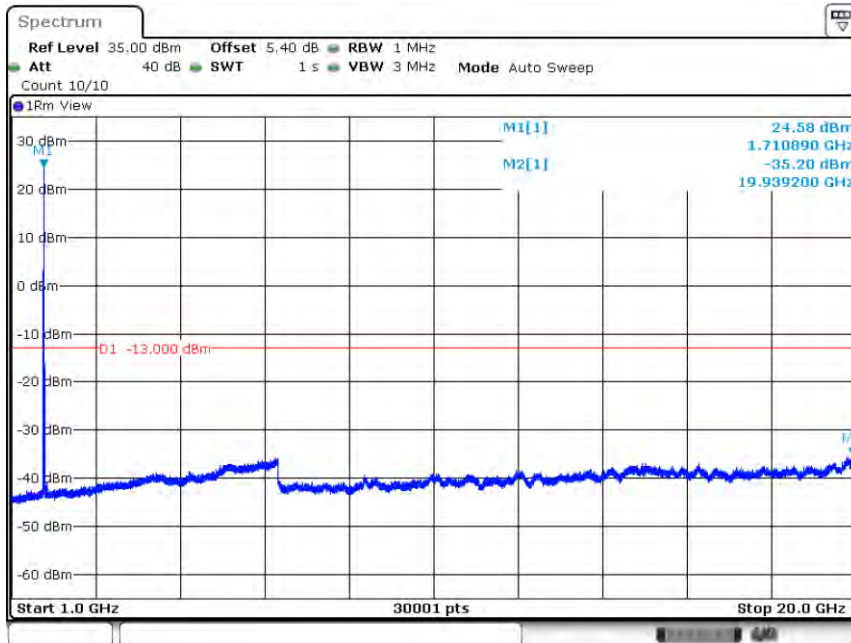
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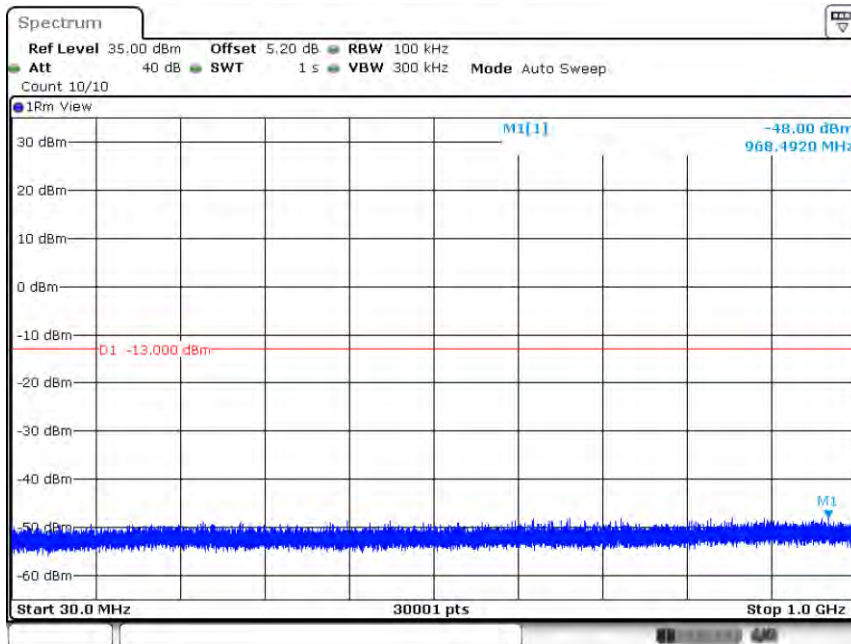
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Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 18 DEC. 2020 22:24:01

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



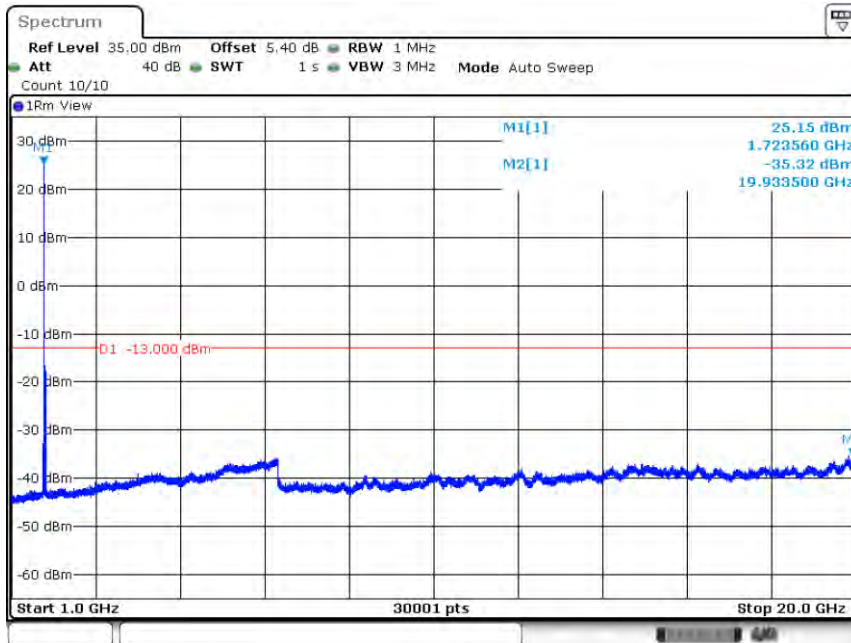
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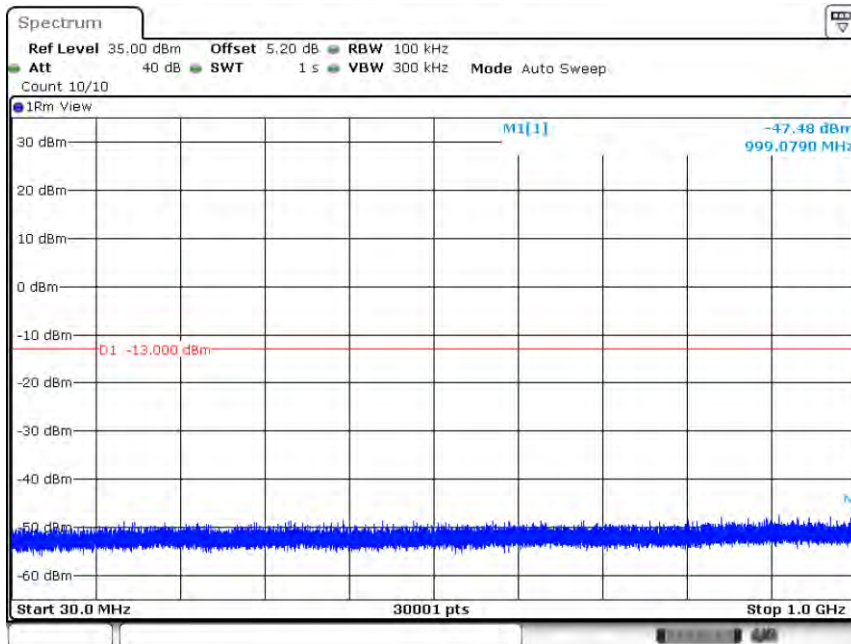
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Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 18 DEC. 2020 22:25:12

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



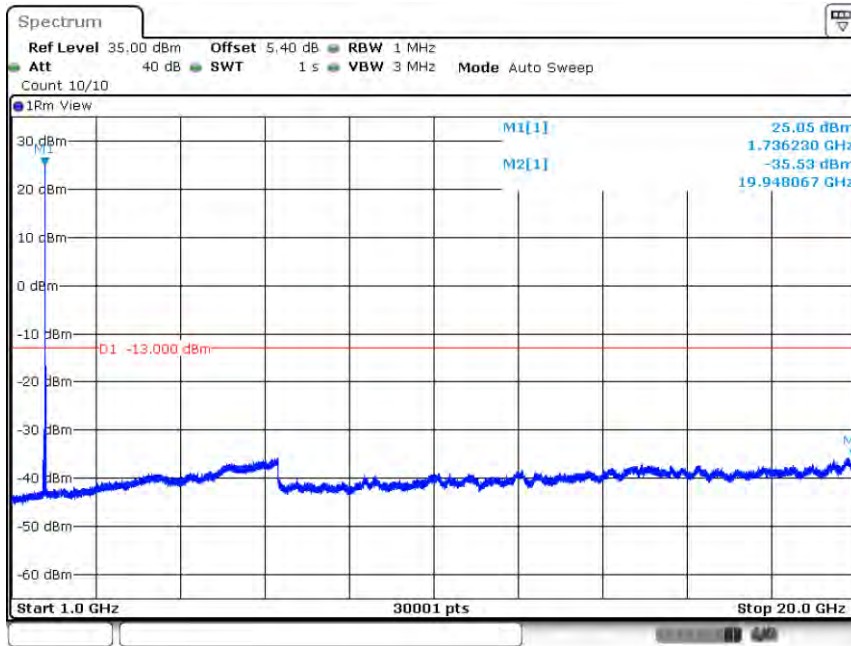
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Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 18 DEC. 2020 22:26:22



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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_4_TM1 MAIN

7.1.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.7747	-63.78	-13.00	50.78	Horizontal
2	92.6166	-75.33	-13.00	62.33	Horizontal
3	248.1154	-67.91	-13.00	54.91	Horizontal
4	3422.0141	-56.74	-13.00	43.74	Horizontal
5	7432.1477	-56.99	-13.00	43.99	Horizontal
6	16368.445	-45.51	-13.00	32.51	Horizontal



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7.2. Test Band = LTE_4_TM1 MAIN

7.2.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.7275	-75.50	-13.00	62.50	Vertical
2	104.5482	-64.98	-13.00	51.98	Vertical
3	514.4422	-66.07	-13.00	53.07	Vertical
4	3422.0141	-57.59	-13.00	44.59	Vertical
5	7345.1448	-56.33	-13.00	43.33	Vertical
6	17999.500	-41.37	-13.00	28.37	Vertical



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7.3. Test Band = LTE_4_TM1 MAIN

7.3.1. Test Channel = Mid Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	39.2155	-63.13	-13.00	50.13	Horizontal
2	100.9105	-74.70	-13.00	61.70	Horizontal
3	230.8485	-68.31	-13.00	55.31	Horizontal
4	3447.0149	-56.84	-13.00	43.84	Horizontal
5	7380.1460	-56.93	-13.00	43.93	Horizontal
6	16371.945	-45.40	-13.00	32.40	Horizontal



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7.4. Test Band = LTE_4_TM1 MAIN

7.4.1. Test Channel = Mid Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.8730	-74.97	-13.00	61.97	Vertical
2	110.5625	-64.36	-13.00	51.36	Vertical
3	454.1052	-66.17	-13.00	53.17	Vertical
4	3447.0149	-59.28	-13.00	46.28	Vertical
5	7413.1471	-56.50	-13.00	43.50	Vertical
6	17991.999	-41.77	-13.00	28.77	Vertical



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7.5. Test Band = LTE_4_TM1 MAIN

7.5.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.3011	-63.98	-13.00	50.98	Horizontal
2	105.7608	-74.85	-13.00	61.85	Horizontal
3	235.5533	-68.23	-13.00	55.23	Horizontal
4	3472.5158	-55.30	-13.00	42.30	Horizontal
5	7435.1478	-57.05	-13.00	44.05	Horizontal
6	16365.445	-45.18	-13.00	32.18	Horizontal



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7.6. Test Band = LTE_4_TM1 MAIN

7.6.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.3880	-75.54	-13.00	62.54	Vertical
2	111.8236	-64.38	-13.00	51.38	Vertical
3	468.4619	-66.37	-13.00	53.37	Vertical
4	3472.0157	-58.00	-13.00	45.00	Vertical
5	7353.6451	-56.70	-13.00	43.70	Vertical
6	17999.000	-41.35	-13.00	28.35	Vertical



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7.7. Test Band = LTE_4_TM1 DIV

7.7.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	39.6520	-64.07	-13.00	51.07	Horizontal
2	97.4184	-74.83	-13.00	61.83	Horizontal
3	233.8072	-67.99	-13.00	54.99	Horizontal
4	3422.0141	-59.97	-13.00	46.97	Horizontal
5	7472.1491	-55.81	-13.00	42.81	Horizontal
6	16394.946	-43.27	-13.00	30.27	Horizontal



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7.8. Test Band = LTE_4_TM1 DIV

7.8.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.3395	-74.52	-13.00	61.52	Vertical
2	112.2601	-64.97	-13.00	51.97	Vertical
3	384.5042	-66.58	-13.00	53.58	Vertical
4	3619.5207	-61.41	-13.00	48.41	Vertical
5	7378.1459	-55.49	-13.00	42.49	Vertical
6	17989.499	-38.52	-13.00	25.52	Vertical



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7.9. Test Band = LTE_4_TM1 DIV

7.9.1. Test Channel = Mid Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	39.1670	-63.85	-13.00	50.85	Horizontal
2	101.8806	-75.44	-13.00	62.44	Horizontal
3	240.0640	-68.19	-13.00	55.19	Horizontal
4	3447.0149	-60.74	-13.00	47.74	Horizontal
5	7446.1482	-56.06	-13.00	43.06	Horizontal
6	16393.446	-42.79	-13.00	29.79	Horizontal



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7.10. Test Band = LTE_4_TM1 DIV

7.10.1. Test Channel = Mid Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.4365	-74.58	-13.00	61.58	Vertical
2	109.1075	-63.83	-13.00	50.83	Vertical
3	601.0676	-63.14	-13.00	50.14	Vertical
4	3842.0281	-61.70	-13.00	48.70	Vertical
5	7342.6448	-55.53	-13.00	42.53	Vertical
6	17990.999	-39.22	-13.00	26.22	Vertical



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7.11. Test Band = LTE_4_TM1 DIV

7.11.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.4951	-63.47	-13.00	50.47	Horizontal
2	100.3770	-73.56	-13.00	60.56	Horizontal
3	243.2652	-67.78	-13.00	54.78	Horizontal
4	3472.0157	-58.49	-13.00	45.49	Horizontal
5	7414.1471	-56.32	-13.00	43.32	Horizontal
6	16394.946	-43.35	-13.00	30.35	Horizontal



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7.12. Test Band = LTE_4_TM1 DIV
7.12.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.5335	-75.84	-13.00	62.84	Vertical
2	110.7565	-65.05	-13.00	52.05	Vertical
3	334.5467	-68.00	-13.00	55.00	Vertical
4	3747.5249	-61.41	-13.00	48.41	Vertical
5	7418.1473	-55.42	-13.00	42.42	Vertical
6	17999.500	-39.10	-13.00	26.10	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.



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8. Frequency Stability

8.1. Frequency Vs Voltage

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	1.60	0.000930	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	4.10	0.002384	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	2.70	0.001570	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	0.80	0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-2.10	-0.001212	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	1.10	0.000635	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-5.60	-0.003209	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	0.30	0.000172	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-0.70	-0.000407	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	4.30	0.002500	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-0.50	-0.000291	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-0.70	-0.000404	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-1.60	-0.000924	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	0.80	0.000462	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	2.80	0.001605	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	0.90	0.000516	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	1.20	0.000688	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	2.90	0.001686	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	3.80	0.002209	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	0.30	0.000174	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	-1.10	-0.000635	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	-0.80	-0.000462	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	2.40	0.001385	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-2.60	-0.001490	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-4.60	-0.002636	±2.5	PASS



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8.2. Frequency Vs Temperature

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	1.60	0.000930	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	2.70	0.001570	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	4.00	0.002326	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	4.60	0.002674	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	3.90	0.002267	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-1.20	-0.000698	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-0.70	-0.000407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	1.40	0.000814	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	5.50	0.003198	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	1.60	0.000924	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	0.10	0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-2.20	-0.001270	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-3.40	-0.001962	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	0.30	0.000173	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-1.30	-0.000750	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-4.80	-0.002751	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-7.80	-0.004470	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-6.50	-0.003725	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-2.20	-0.001261	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	0.20	0.000115	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-2.00	-0.001146	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	1.10	0.000630	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-3.40	-0.001948	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	2.50	0.001453	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	4.20	0.002442	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	2.30	0.001337	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	7.30	0.004244	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	5.00	0.002907	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	1.50	0.000872	±2.5	PASS



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Band4	20MHz	16QAM	20050	100RB#0	NV	30	2.80	0.001628	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-1.80	-0.001047	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	6.40	0.003721	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-1.50	-0.000866	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	1.80	0.001039	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	1.20	0.000693	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	1.60	0.000924	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-5.40	-0.003117	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	1.80	0.001039	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	3.80	0.002193	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	0.90	0.000519	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	6.30	0.003636	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-6.70	-0.003840	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-0.40	-0.000229	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-1.30	-0.000745	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	4.30	0.002464	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-3.60	-0.002063	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-4.40	-0.002521	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-4.10	-0.002350	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	2.20	0.001279	±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	-10	1.50	0.000872	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	2.20	0.001279	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	1.90	0.001105	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	-0.50	-0.000291	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	1.80	0.001047	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	40	1.10	0.000640	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	-0.80	-0.000465	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	-2.40	-0.001385	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	2.20	0.001270	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	1.00	0.000577	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	-1.40	-0.000808	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	1.60	0.000924	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	0.60	0.000346	±2.5	PASS



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Band4	20MHz	64QAM	20175	100RB#0	NV	40	1.40	0.000808	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	2.00	0.001154	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	-0.20	-0.000115	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-1.40	-0.000802	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	-4.20	-0.002407	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-4.00	-0.002292	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-2.30	-0.001318	±2.5	PASS



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