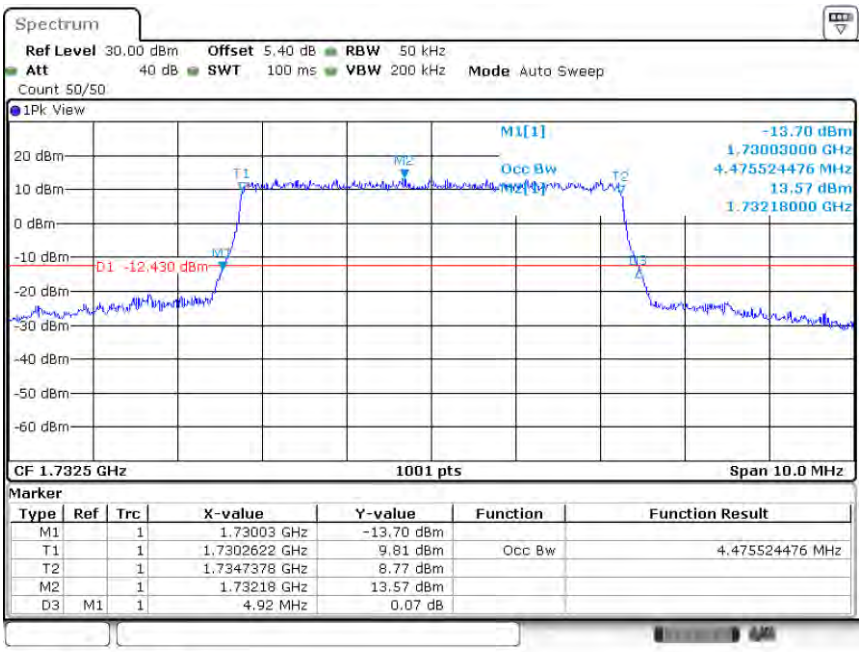
Band4-5MHz-64QAM-20175-25RB#0-4.476



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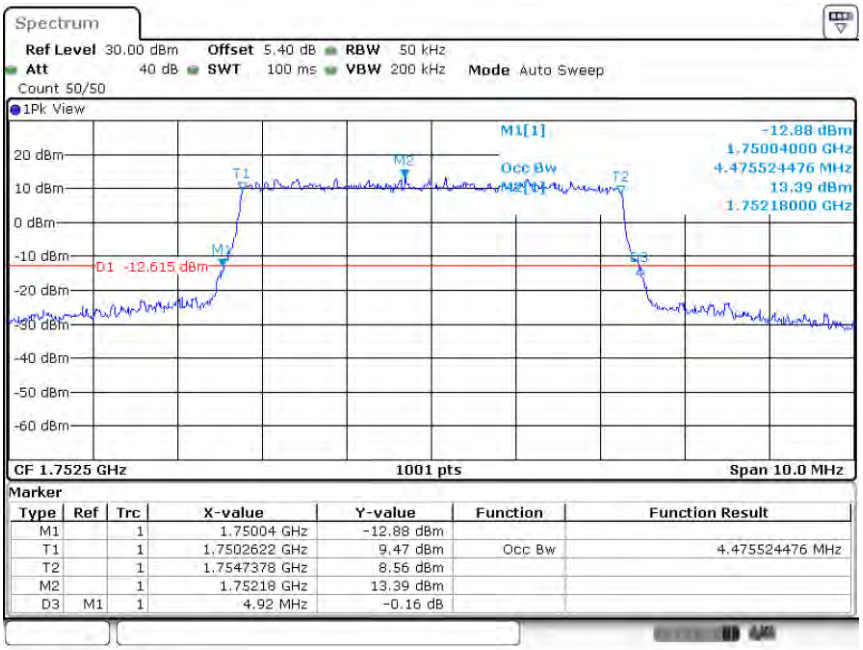
Band4-5MHz-64QAM-20375-25RB#0-4.476



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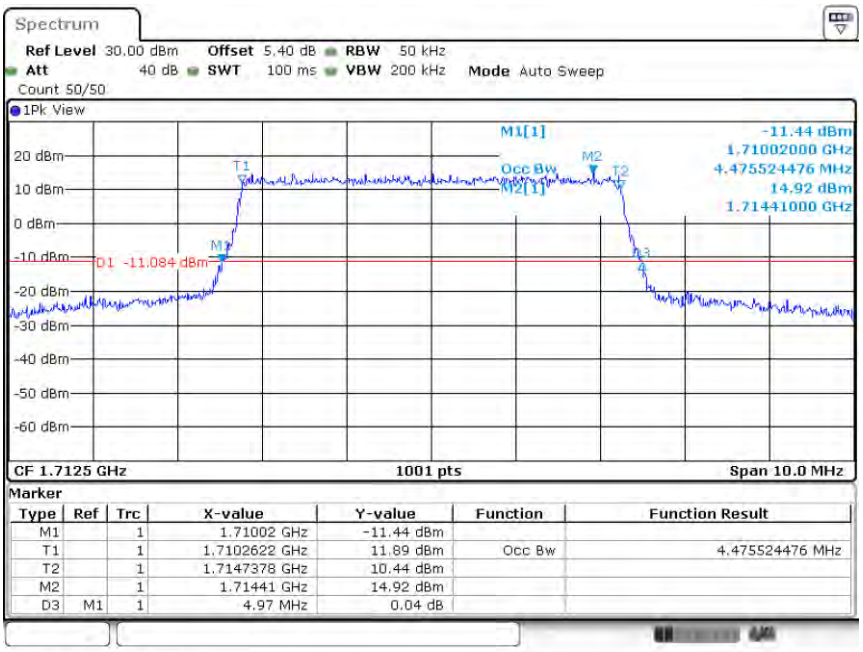
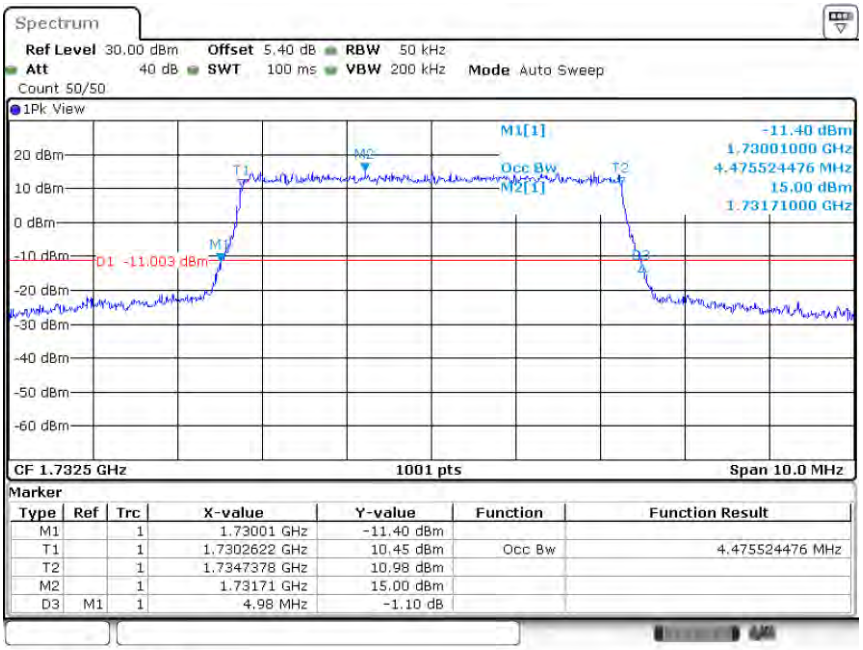
Band4-5MHz-16QAM-19975-25RB#0-4.476



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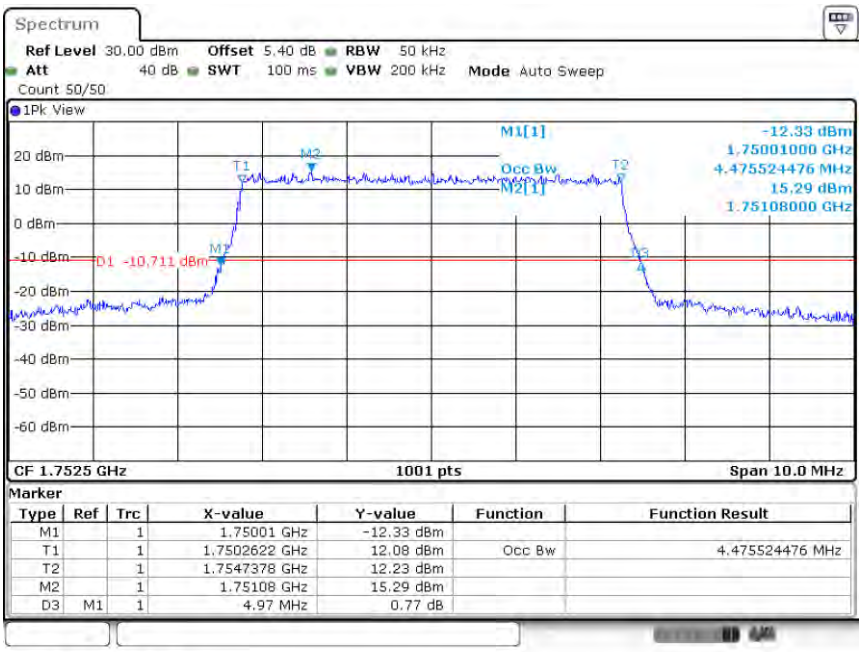
Band4-5MHz-16QAM-20375-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75001 GHz	-12.33 dBm		
T1		1	1.7502622 GHz	12.08 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7547378 GHz	12.23 dBm		
M2		1	1.75108 GHz	15.29 dBm		
D3	M1	1	4.97 MHz	0.77 dB		

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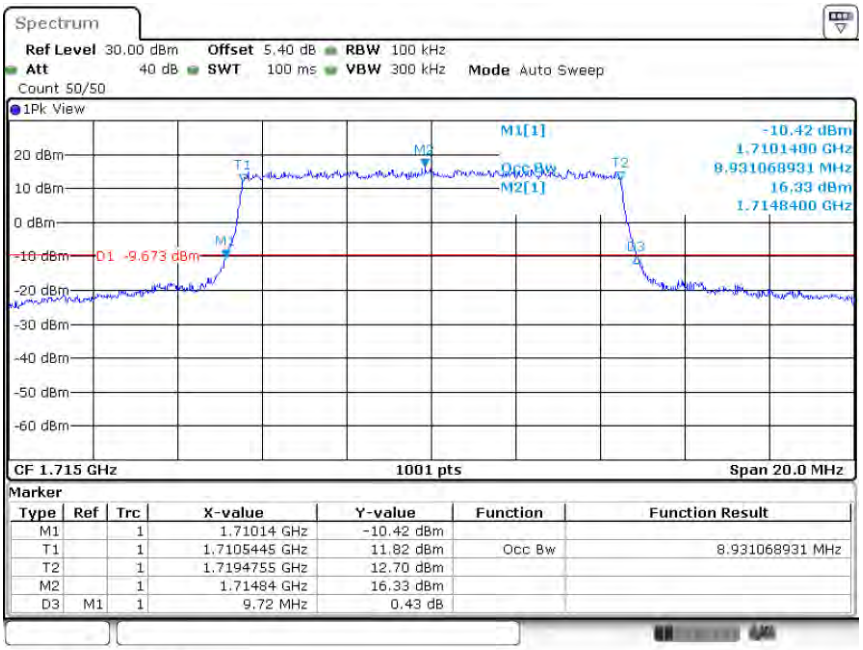
Band4-10MHz-QPSK-20000-50RB#0-8.931



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71014 GHz	-10.42 dBm		
T1		1	1.7105445 GHz	11.82 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7194755 GHz	12.70 dBm		
M2		1	1.71484 GHz	16.33 dBm		
D3	M1	1	9.72 MHz	0.43 dB		

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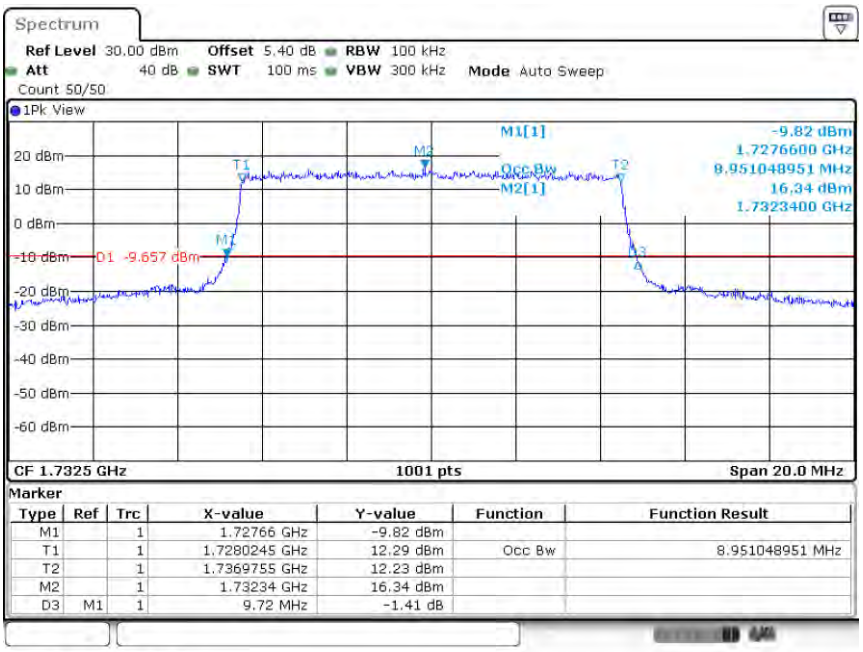
Band4-10MHz-QPSK-20175-50RB#0-8.951



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72766 GHz	-9.82 dBm		
T1		1	1.7280245 GHz	12.29 dBm	Occ Bw	8.951048951 MHz
T2		1	1.7369755 GHz	12.23 dBm		
M2		1	1.73234 GHz	16.34 dBm		
D3	M1	1	9.72 MHz	-1.41 dB		

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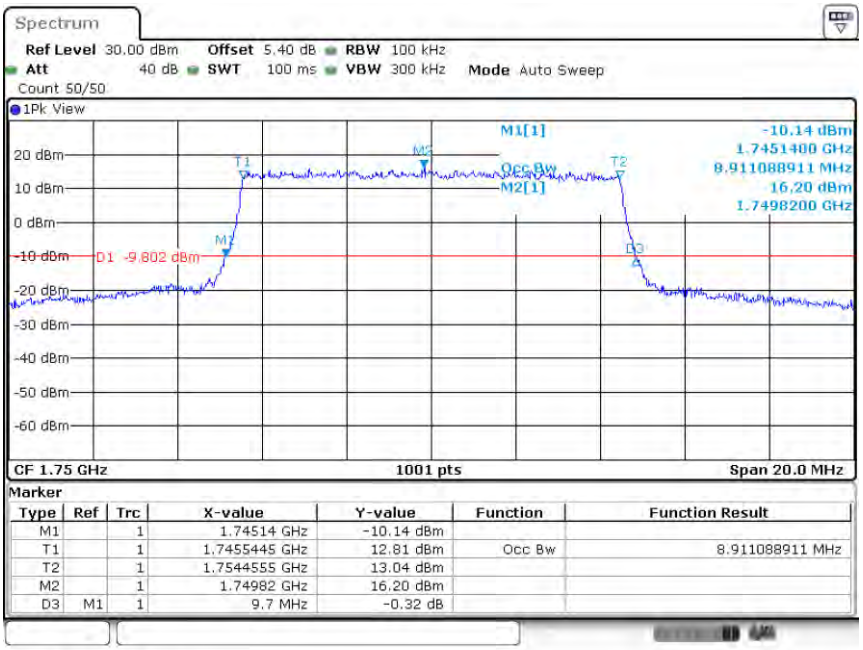
Band4-10MHz-QPSK-20350-50RB#0-8.911



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74514 GHz	-10.14 dBm		
T1		1	1.7455445 GHz	12.81 dBm	Occ Bw	8.911088911 MHz
T2		1	1.7544555 GHz	13.04 dBm		
M2		1	1.74982 GHz	16.20 dBm		
D3	M1	1	9.7 MHz	-0.32 dB		

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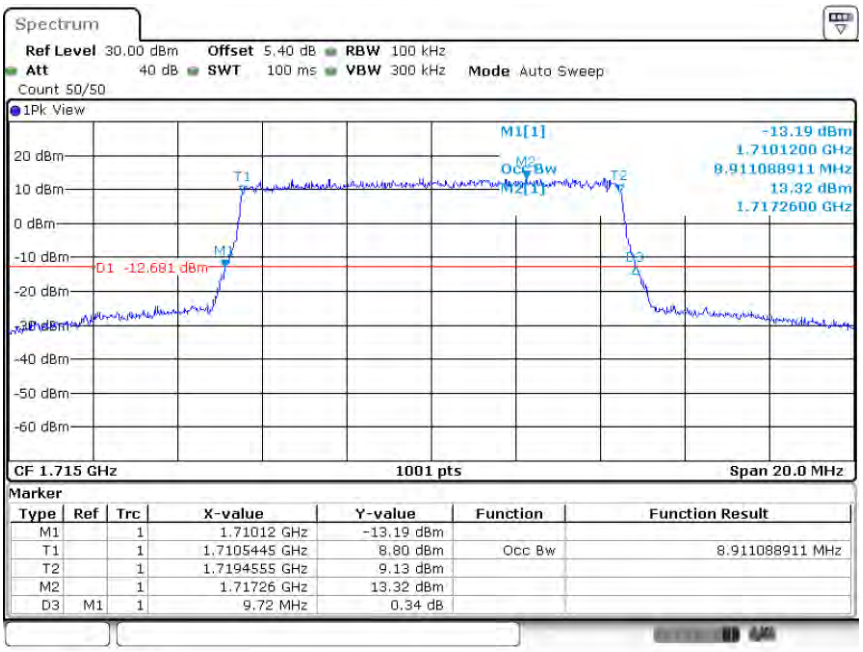
Band4-10MHz-64QAM-20000-50RB#0-8.911



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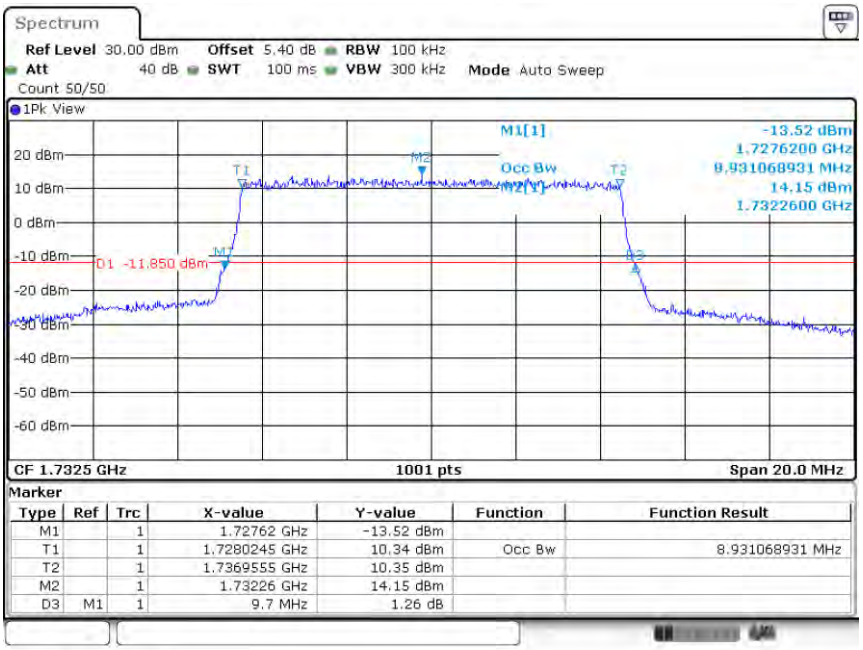
Band4-10MHz-64QAM-20175-50RB#0-8.931



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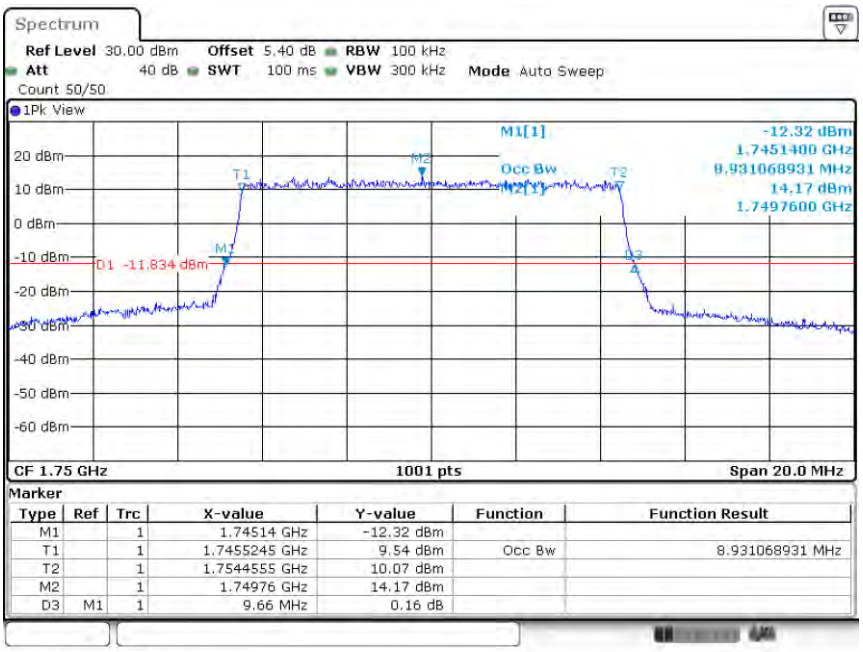
Band4-10MHz-64QAM-20350-50RB#0-8.931



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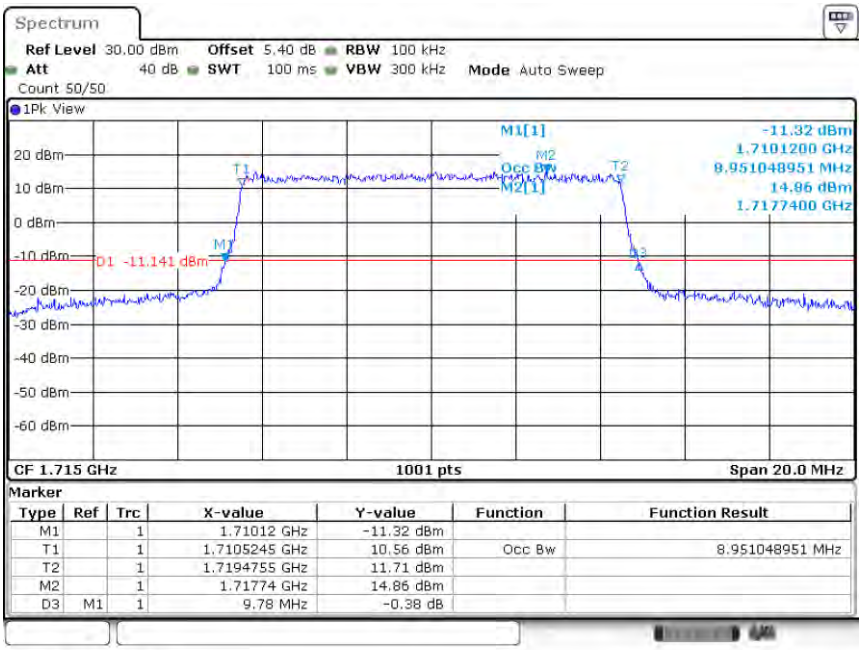
Band4-10MHz-16QAM-20000-50RB#0-8.951



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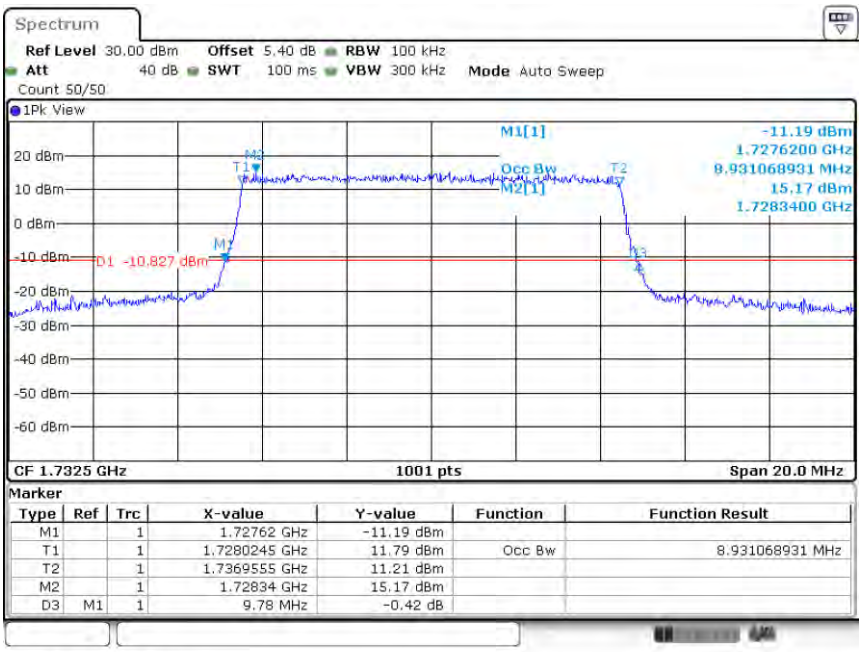

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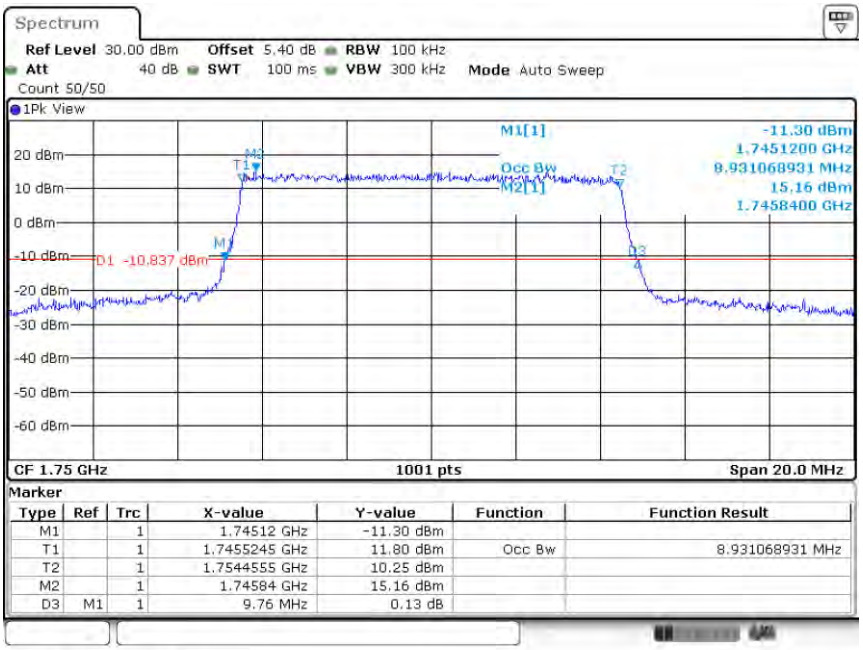
Band4-10MHz-16QAM-20350-50RB#0-8.931



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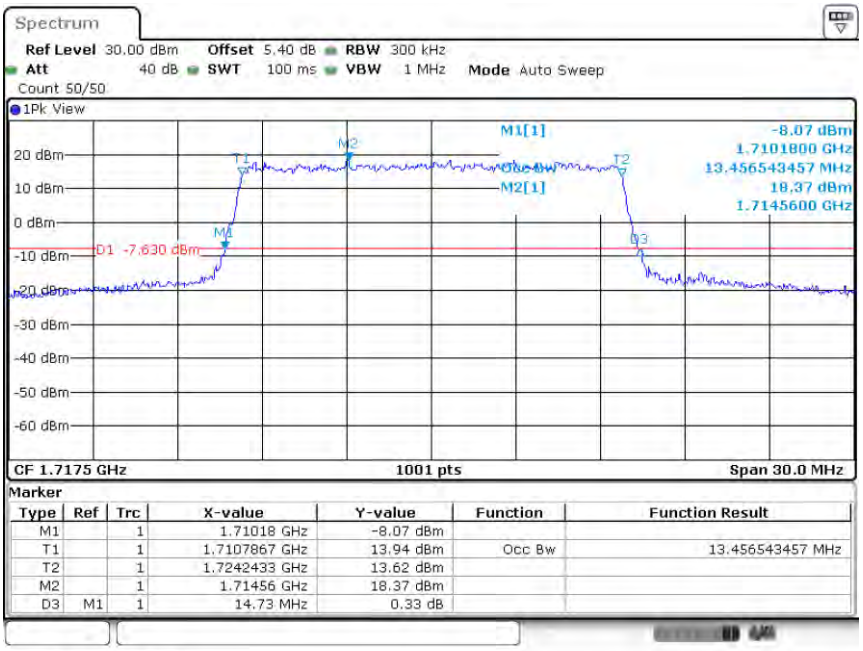
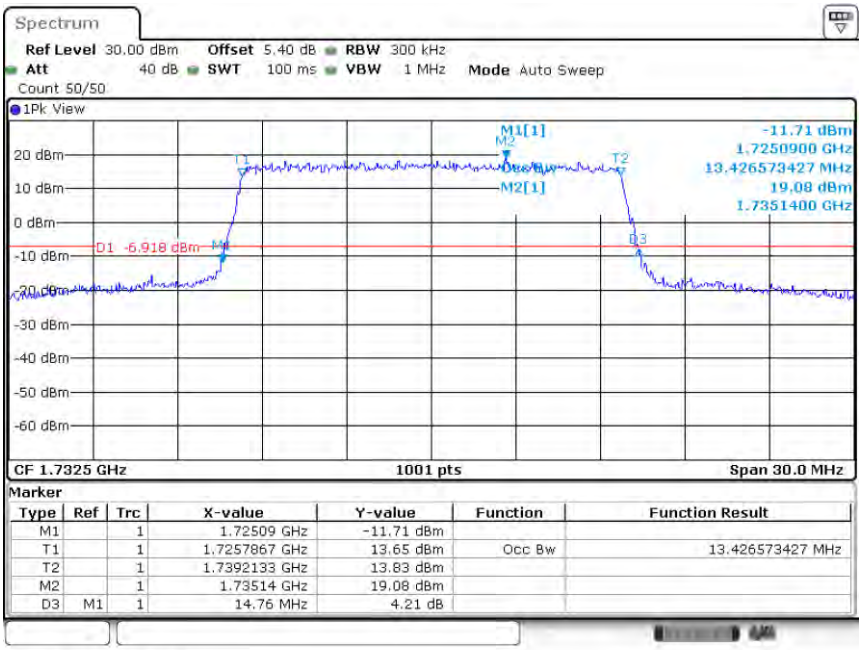
Band4-15MHz-QPSK-20025-75RB#0-13.457



Date: 18.DEC.2020 21:44:43

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



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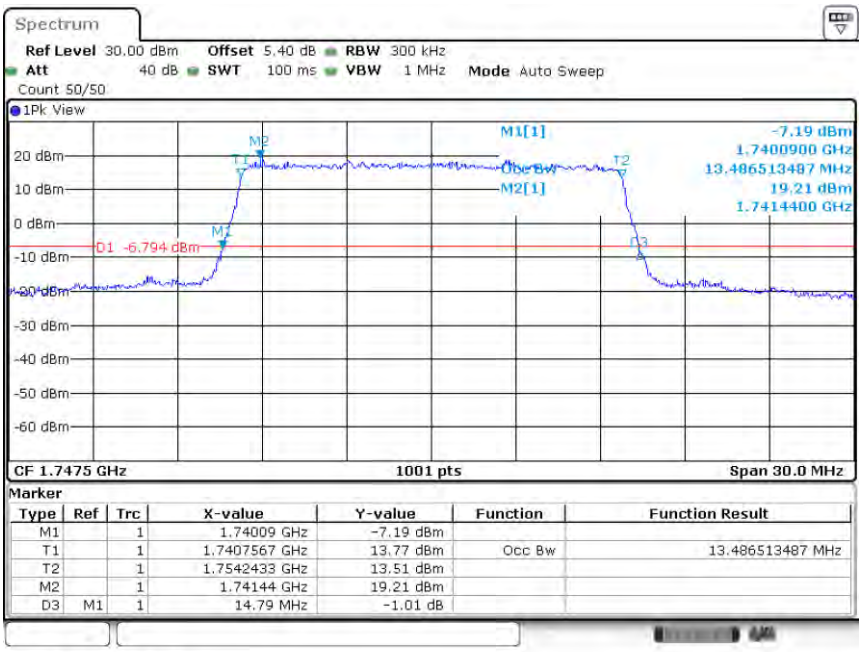
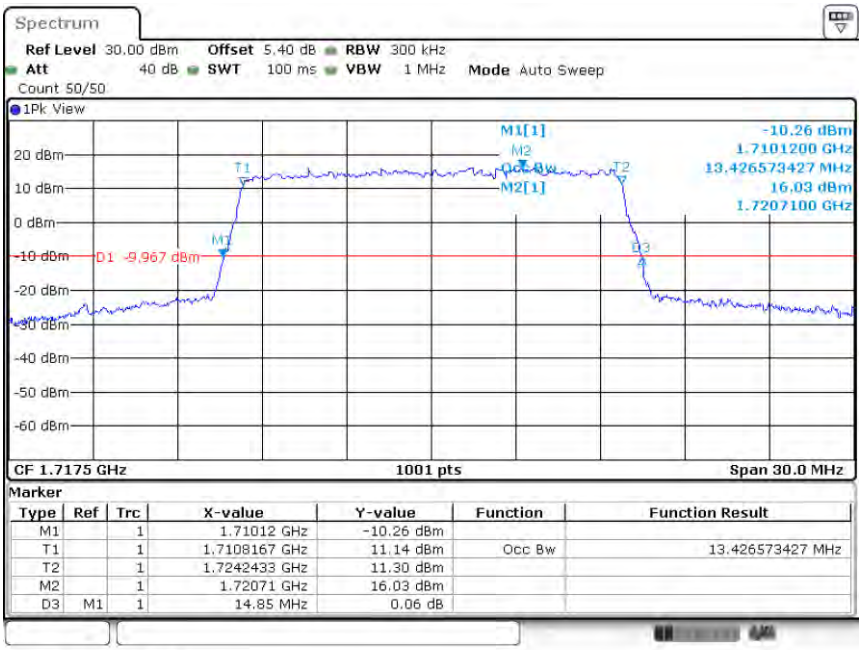


Date: 18.DEC.2020 21:45:36

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



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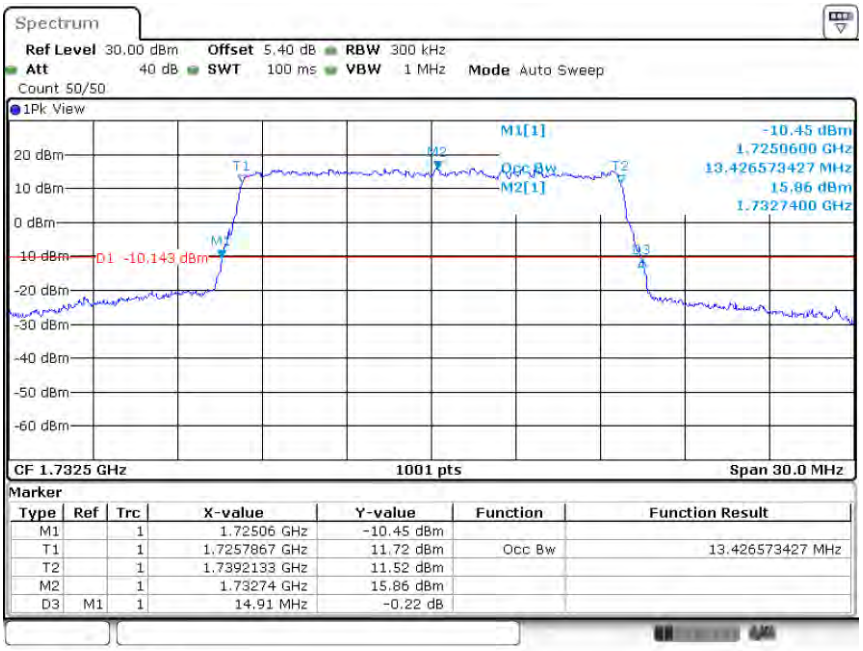
Band4-15MHz-64QAM-20175-75RB#0-13.427



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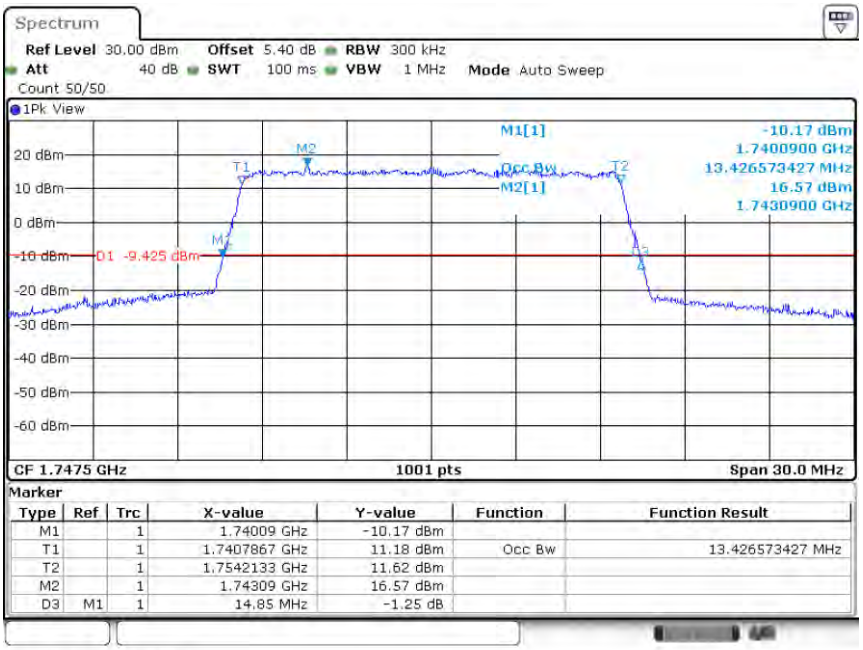
Band4-15MHz-64QAM-20325-75RB#0-13.427



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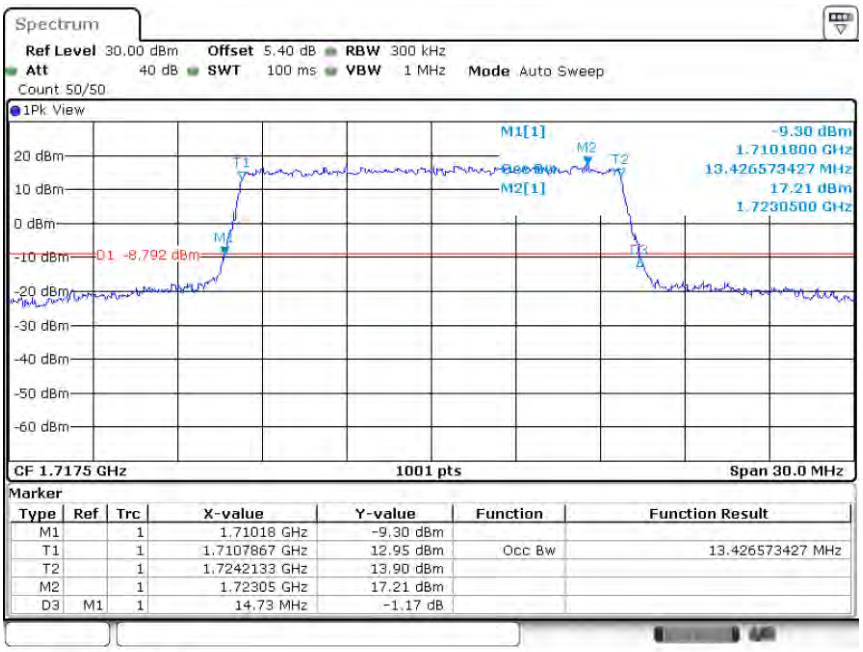
Band4-15MHz-16QAM-20025-75RB#0-13.427



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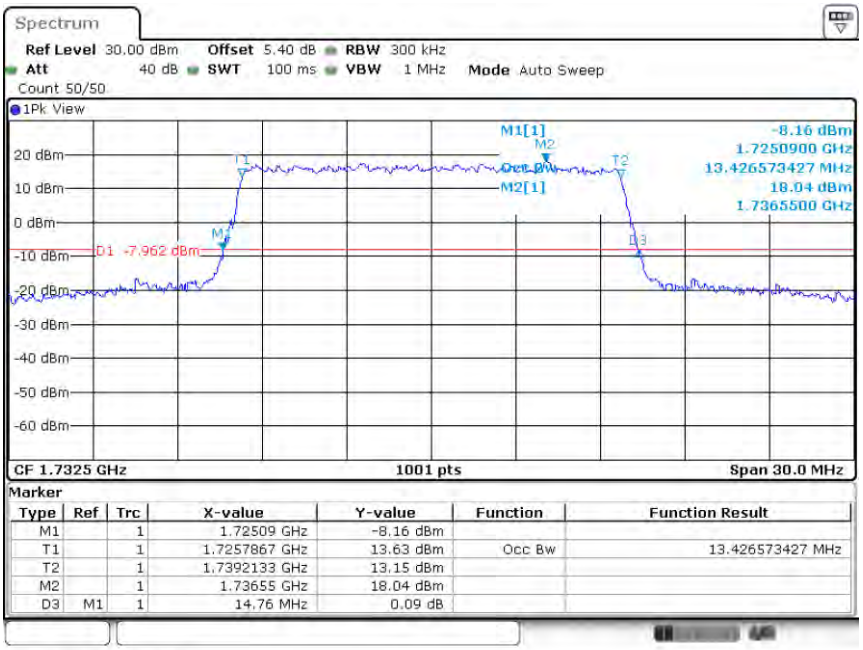
Band4-15MHz-16QAM-20175-75RB#0-13.427



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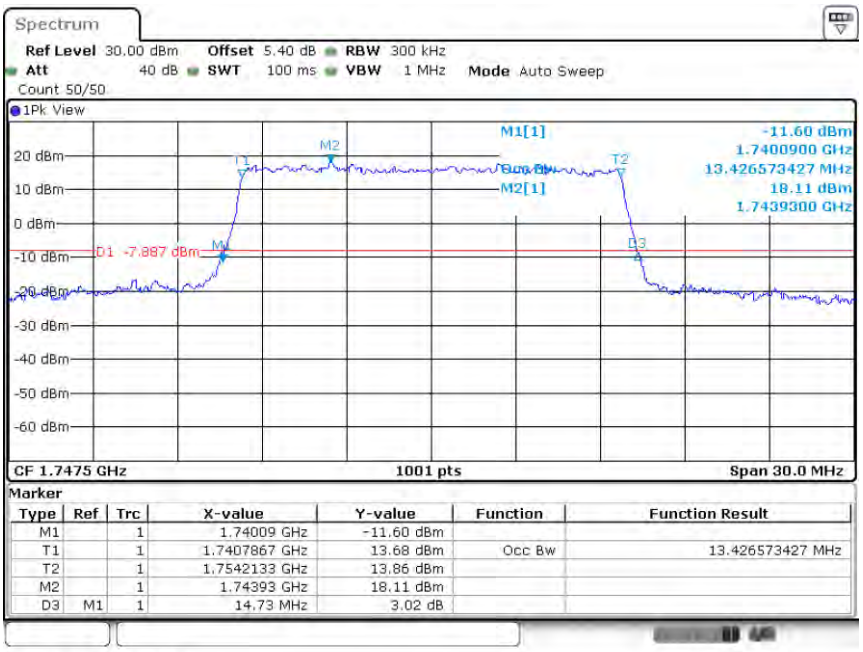
Band4-15MHz-16QAM-20325-75RB#0-13.427



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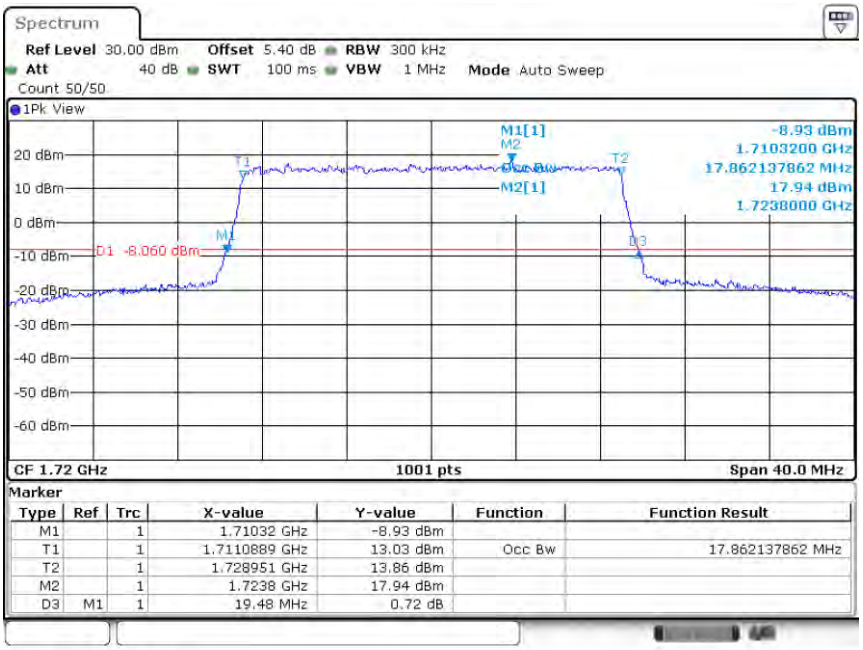
Band4-20MHz-QPSK-20050-100RB#0-17.862



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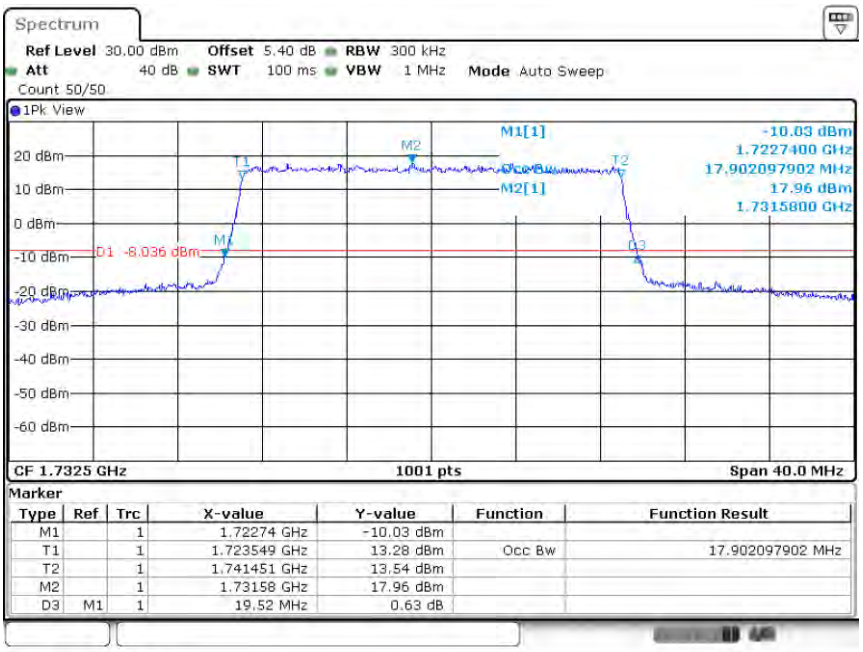
Band4-20MHz-QPSK-20175-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72274 GHz	-10.03 dBm		
T1		1	1.723549 GHz	13.28 dBm	Occ Bw	17.902097902 MHz
T2		1	1.741451 GHz	13.54 dBm		
M2		1	1.73158 GHz	17.96 dBm		
D3	M1	1	19.52 MHz	0.63 dB		

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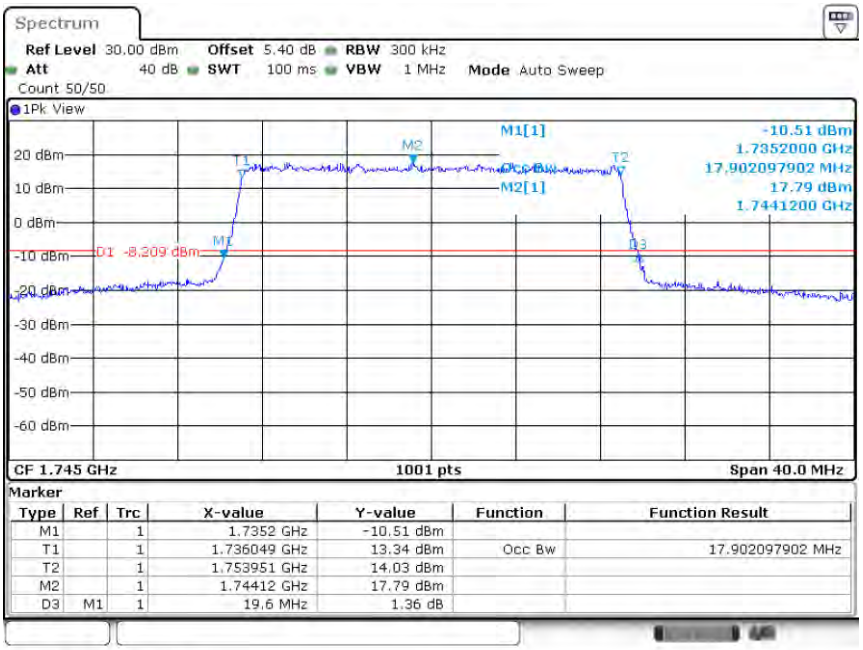
Band4-20MHz-QPSK-20300-100RB#0-17.902



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7352 GHz	-10.51 dBm		
T1		1	1.736049 GHz	13.34 dBm	Occ Bw	17.902097902 MHz
T2		1	1.753951 GHz	14.03 dBm		
M2		1	1.74412 GHz	17.79 dBm		
D3	M1	1	19.6 MHz	1.36 dB		

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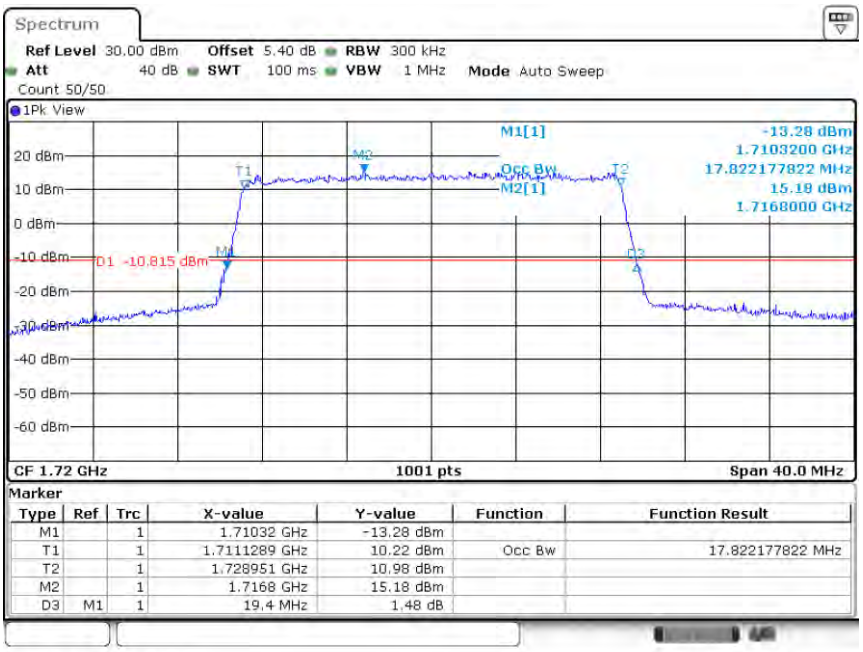
Band4-20MHz-64QAM-20050-100RB#0-17.822



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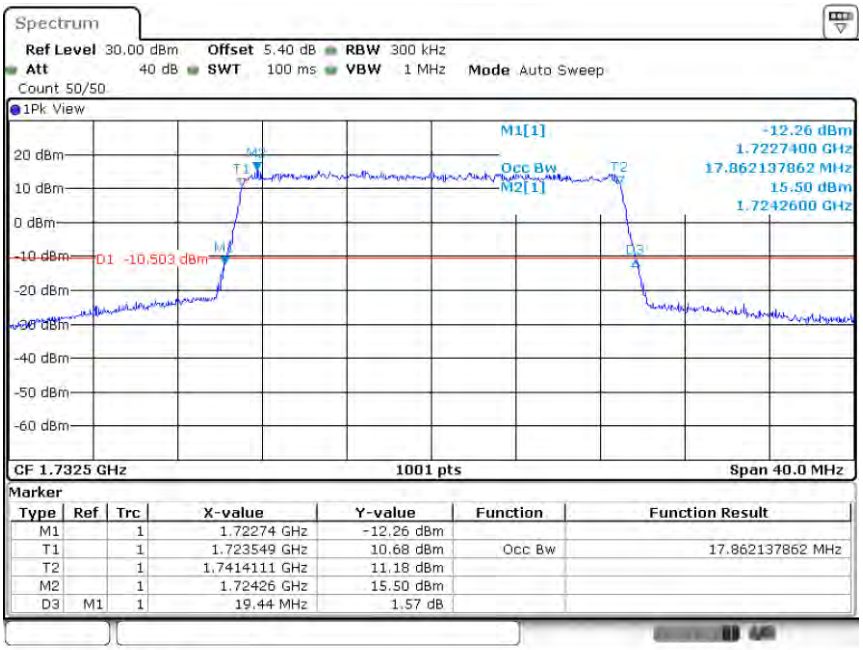
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71032 GHz	-13.28 dBm		
T1		1	1.7111289 GHz	10.22 dBm	Occ Bw	17.822177822 MHz
T2		1	1.728951 GHz	10.98 dBm		
M2		1	1.7168 GHz	15.18 dBm		
D3	M1	1	19.4 MHz	1.48 dB		

Date: 23.DEC.2020 12:30:15

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72274 GHz	-12.26 dBm		
T1		1	1.723549 GHz	10.68 dBm	Occ Bw	17.862137862 MHz
T2		1	1.7414111 GHz	11.18 dBm		
M2		1	1.72426 GHz	15.50 dBm		
D3	M1	1	19.44 MHz	1.57 dB		

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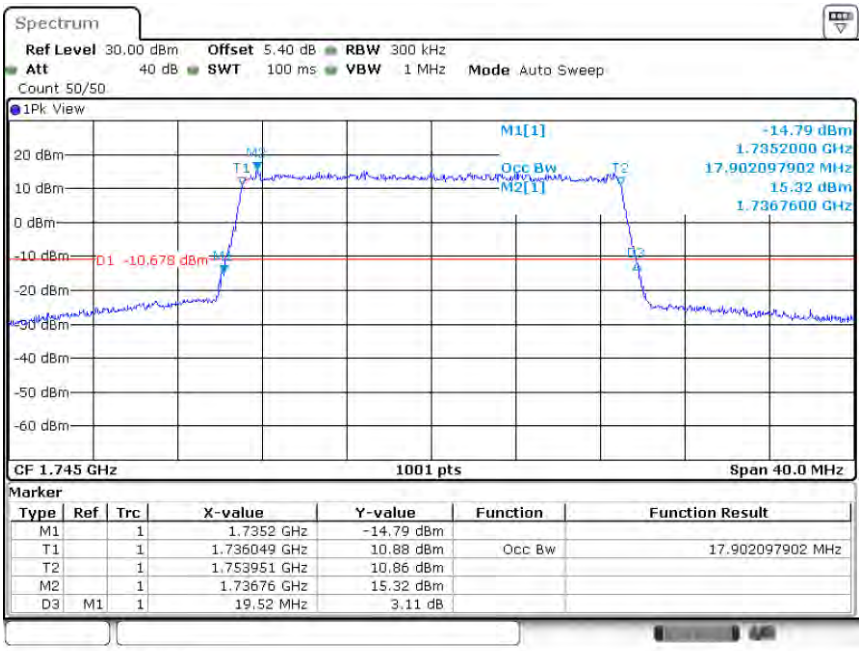
Band4-20MHz-64QAM-20300-100RB#0-17.902



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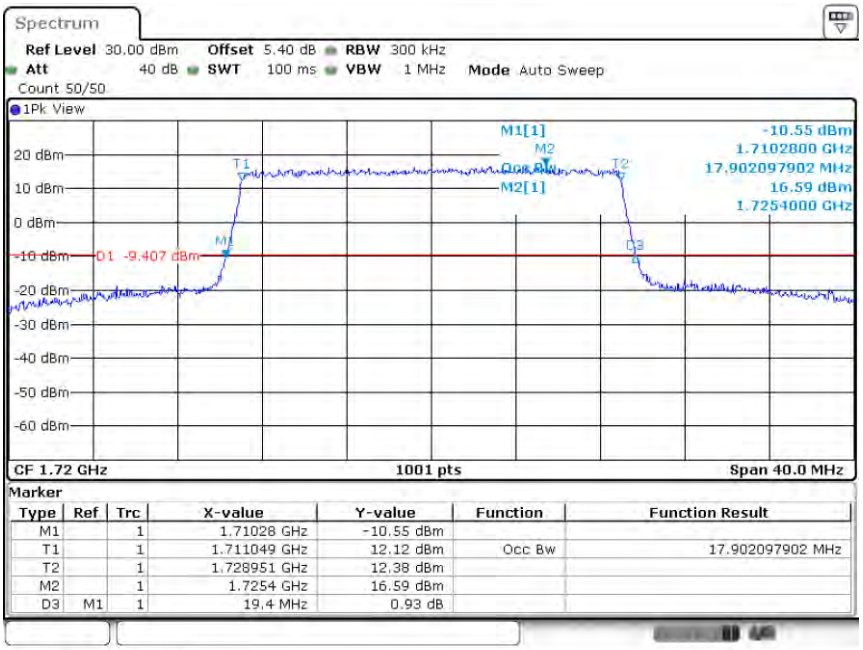
Band4-20MHz-16QAM-20050-100RB#0-17.902



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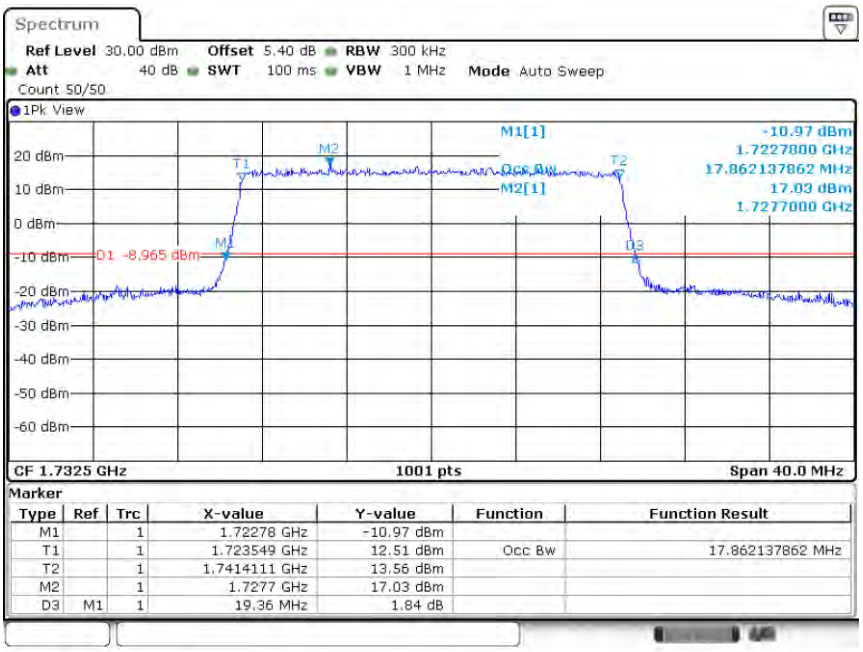
Band4-20MHz-16QAM-20175-100RB#0-17.862

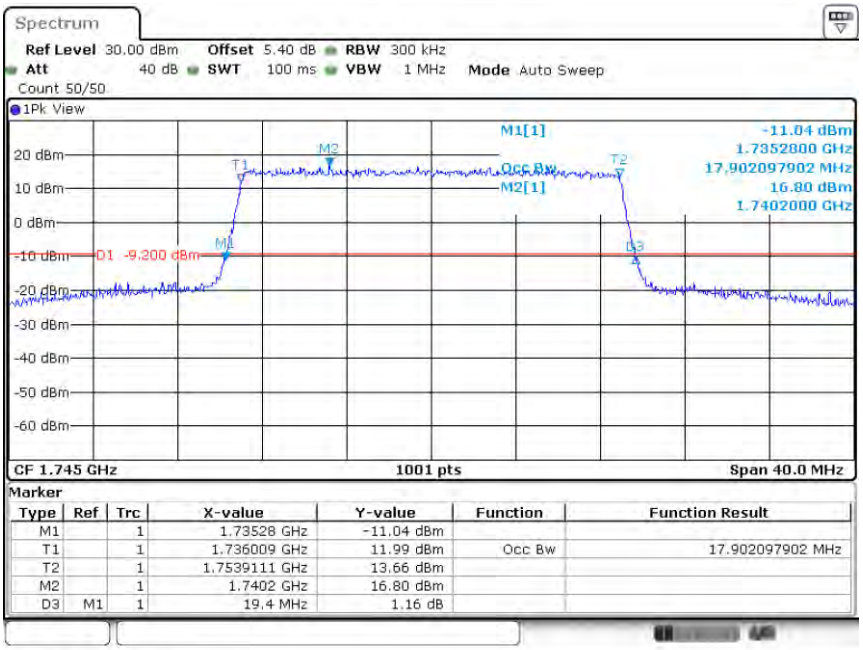


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72278 GHz	-10.97 dBm		
T1		1	1.723549 GHz	12.51 dBm	Occ Bw	17.862137862 MHz
T2		1	1.7414111 GHz	13.56 dBm		
M2		1	1.7277 GHz	17.03 dBm		
D3	M1	1	19.36 MHz	1.84 dB		

Date: 18 DEC.2020 21:46:48

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73528 GHz	-11.04 dBm		
T1		1	1.736009 GHz	11.99 dBm	Occ Bw	17.902097902 MHz
T2		1	1.7539111 GHz	13.66 dBm		
M2		1	1.7402 GHz	16.80 dBm		
D3	M1	1	19.4 MHz	1.16 dB		

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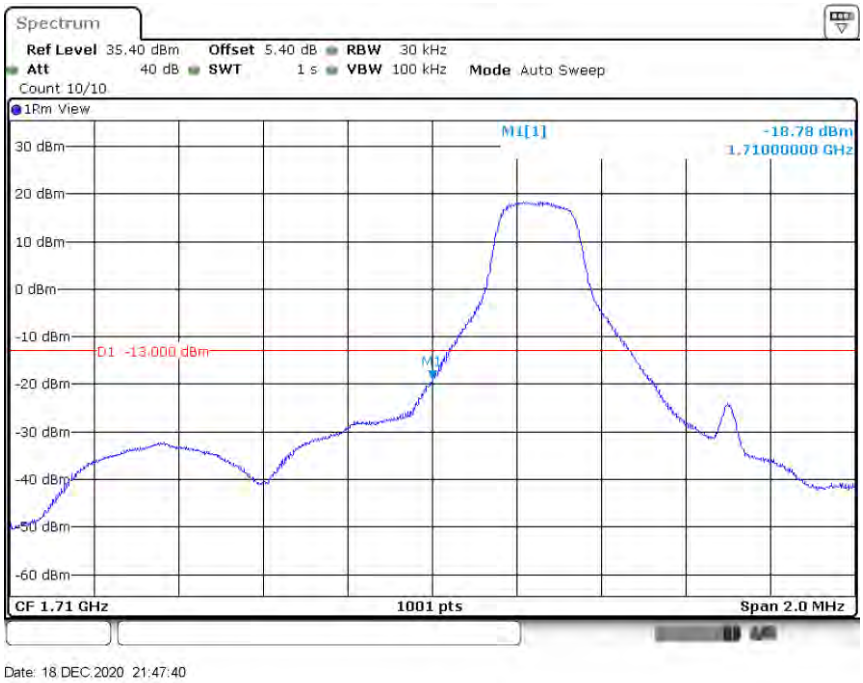
5. Band Edge Compliance

5.1. Test Plots

Band4-1.4MHz-QPSK-19957-1RB#0



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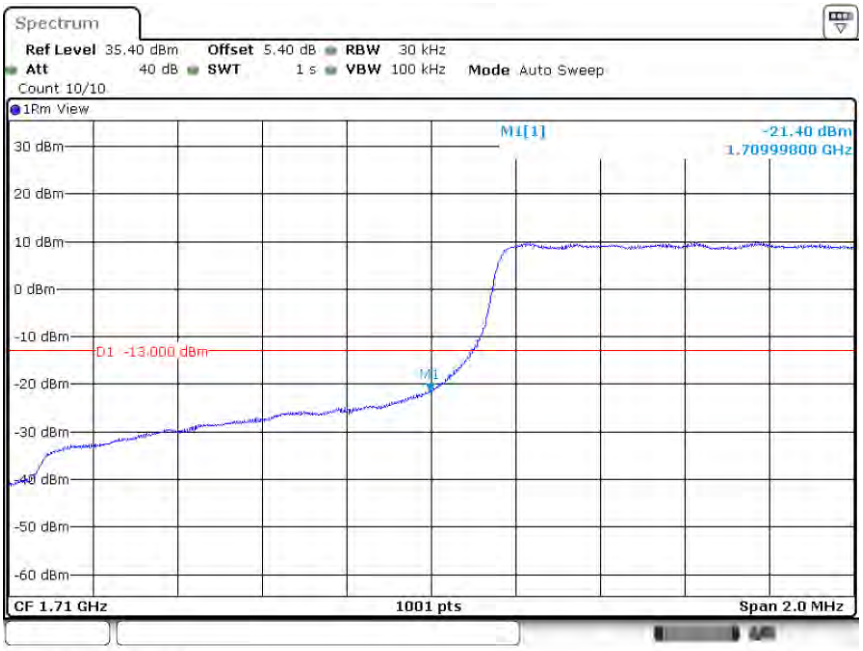
Band4-1.4MHz-QPSK-19957-6RB#0



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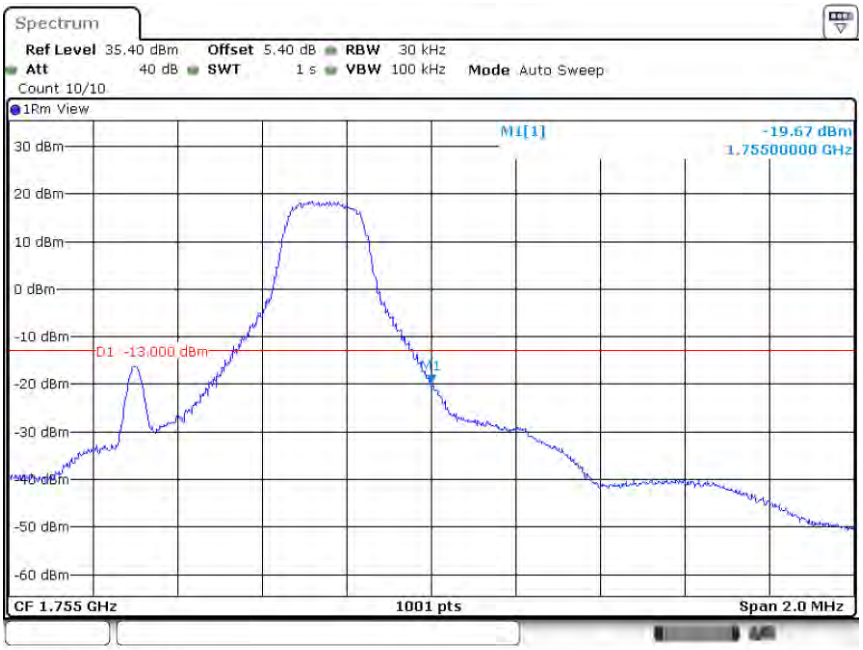

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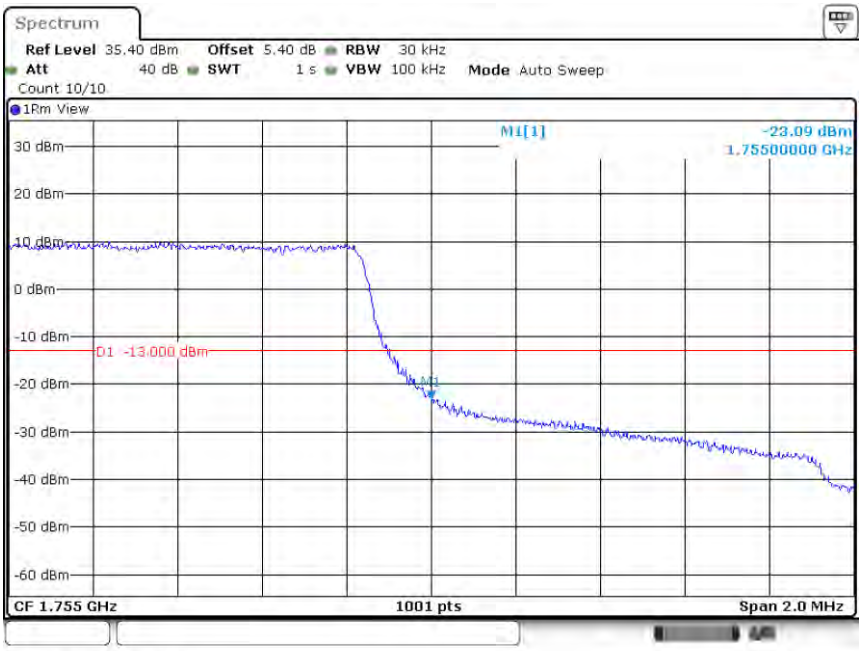

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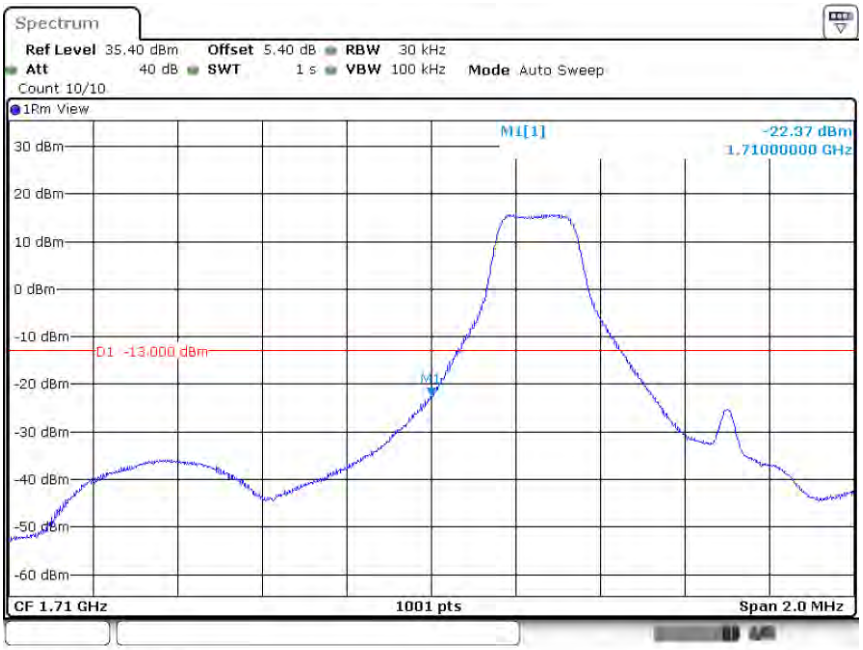
Band4-1.4MHz-64QAM-19957-1RB#0



Date: 23 DEC 2020 12:31:09

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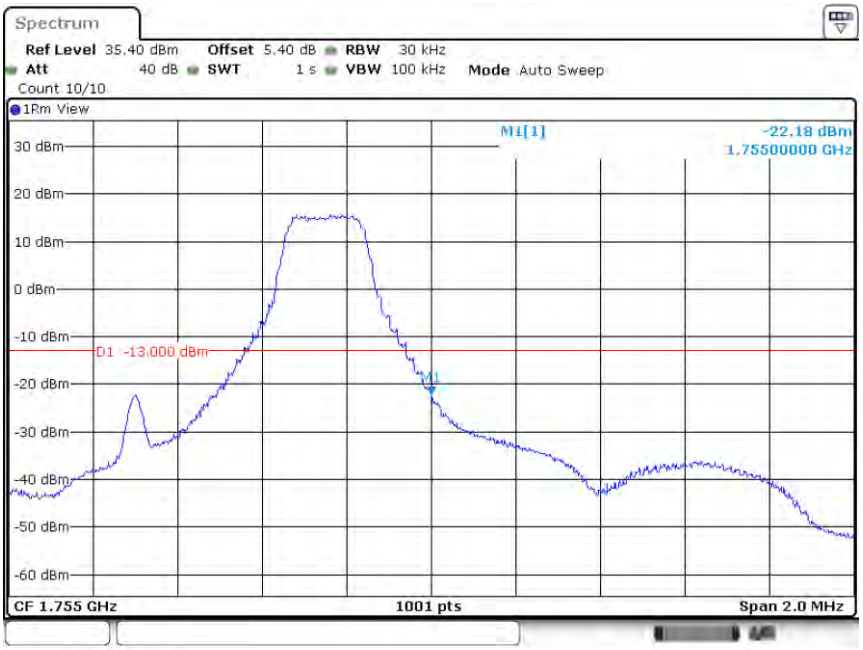
Band4-1.4MHz-64QAM-19957-6RB#0

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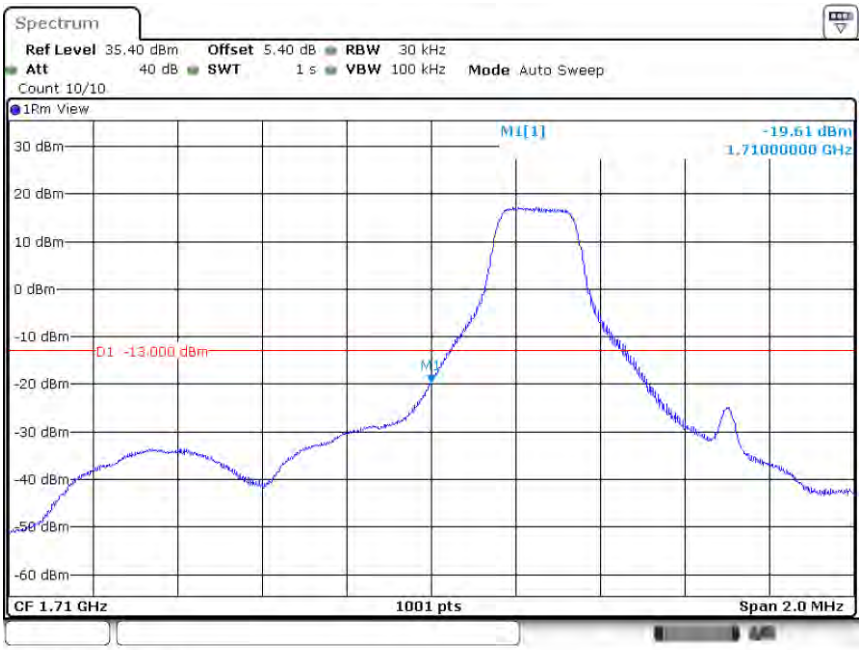
Band4-1.4MHz-64QAM-20393-6RB#0

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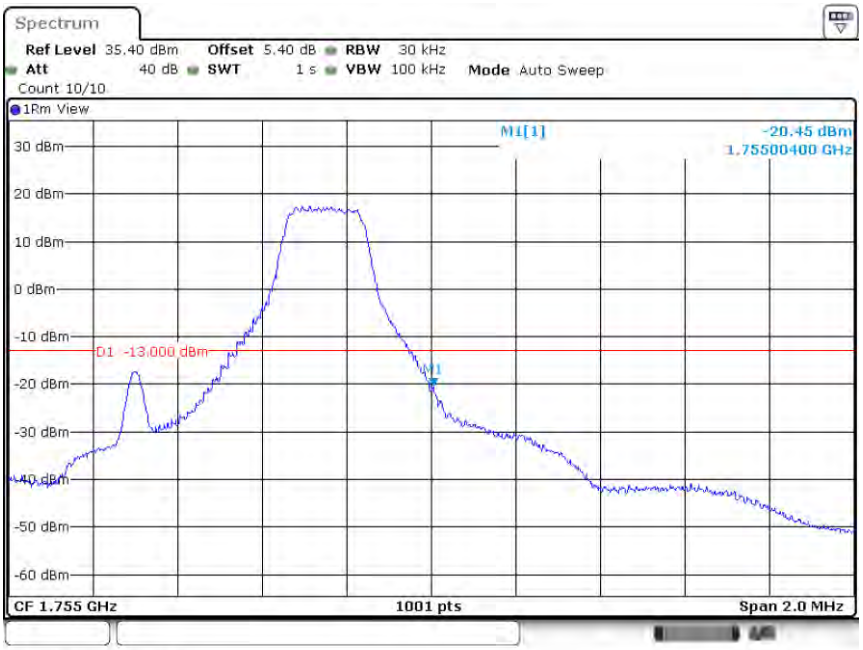
Band4-1.4MHz-16QAM-19957-6RB#0

Date: 18.DEC.2020 21:48:42

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



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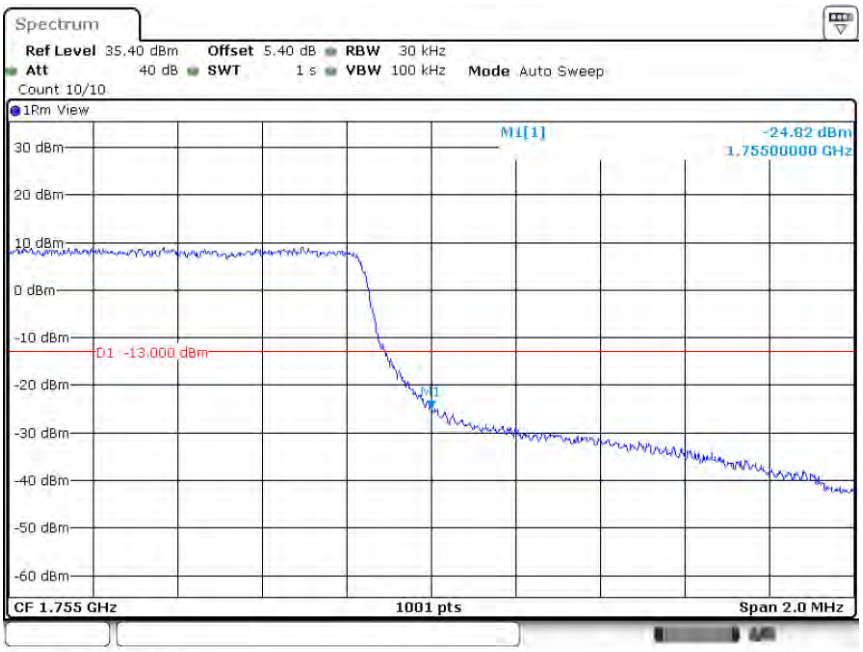
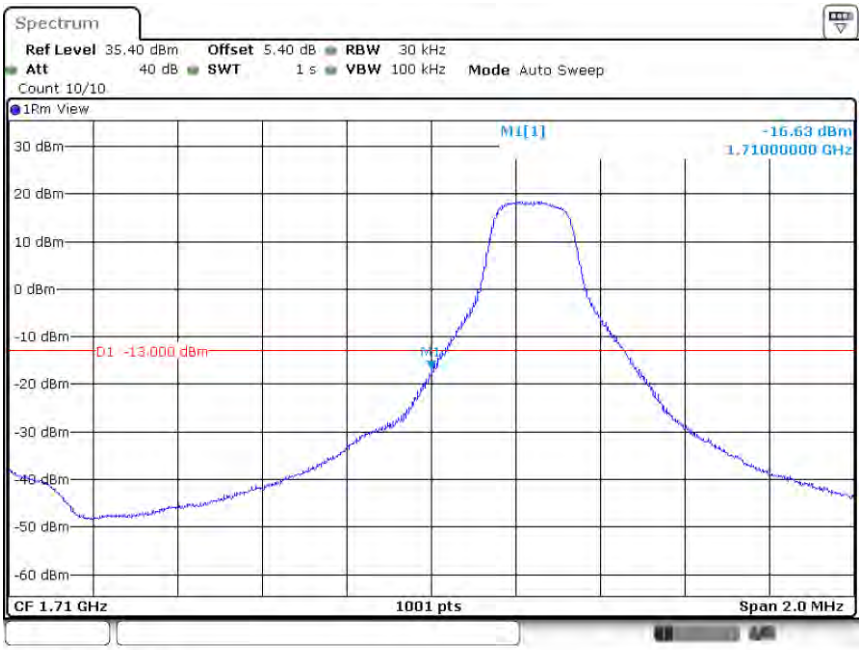
Band4-1.4MHz-16QAM-20393-6RB#0



Date: 18 DEC 2020 21:50:09

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



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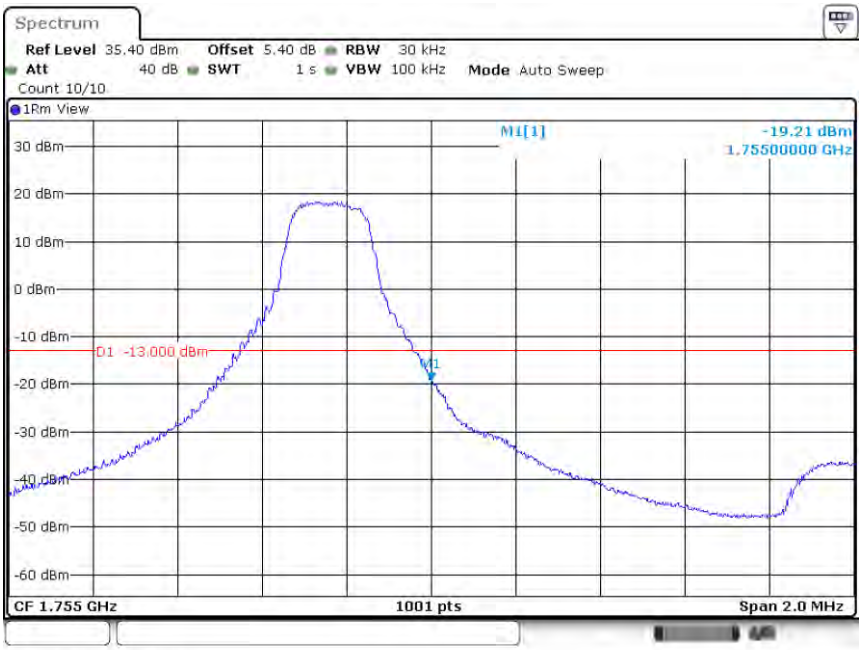
Band4-3MHz-QPSK-19965-15RB#0

Date: 18.DEC.2020 21:51:16

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



Date: 18.DEC.2020 21:52:01

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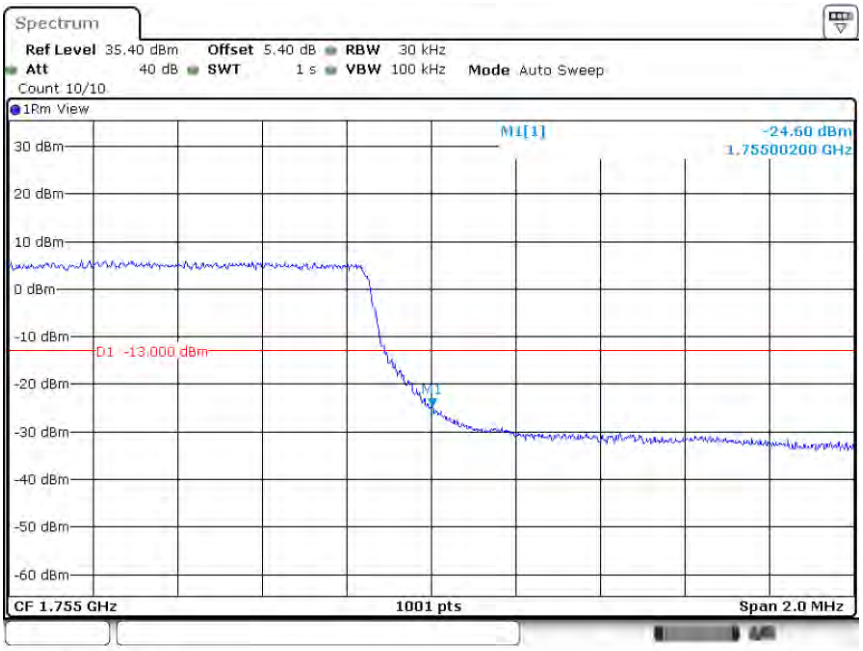
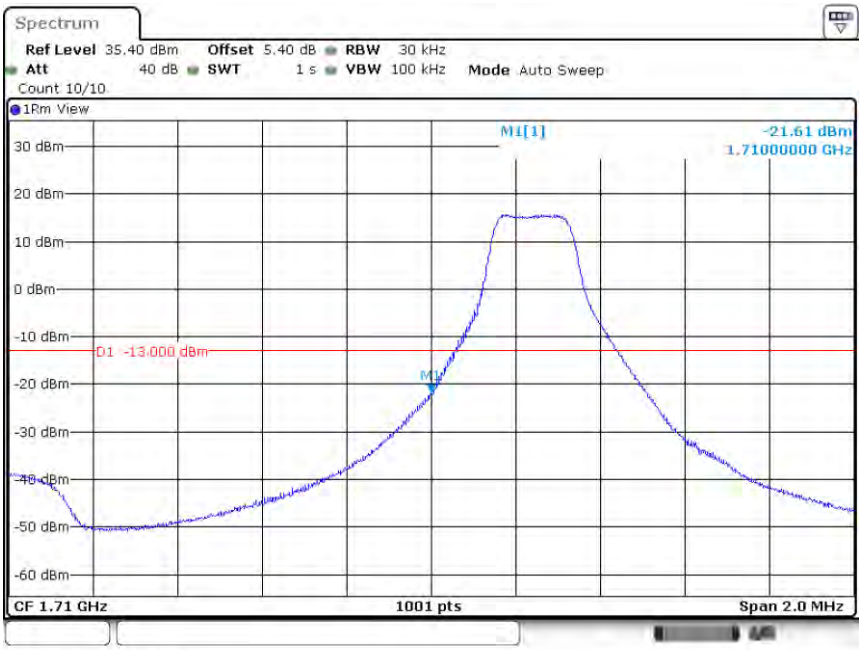
Band4-3MHz-QPSK-20385-15RB#0



Date: 18 DEC 2020 21:52:43

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



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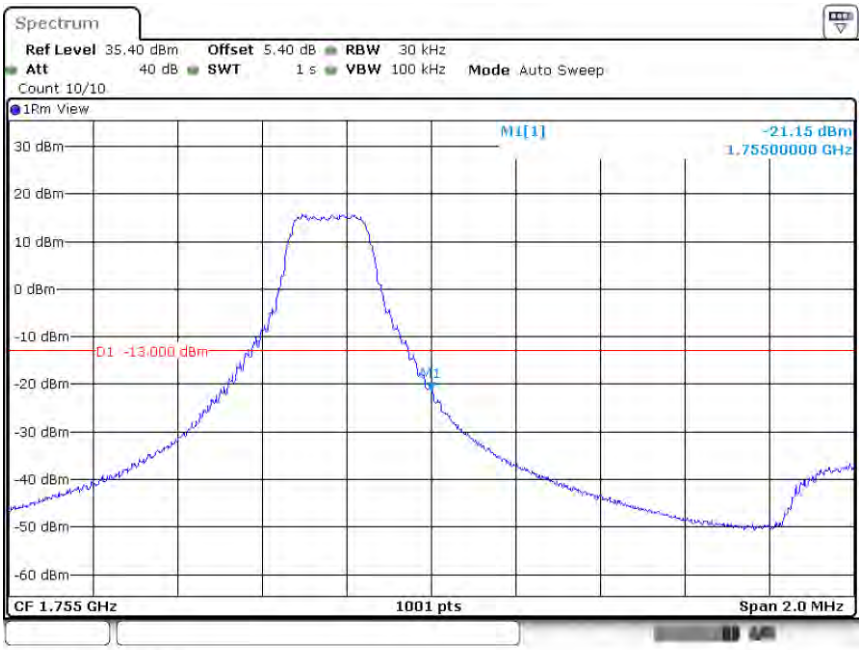
Band4-3MHz-64QAM-19965-15RB#0

Date: 23.DEC.2020 12:33:04

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



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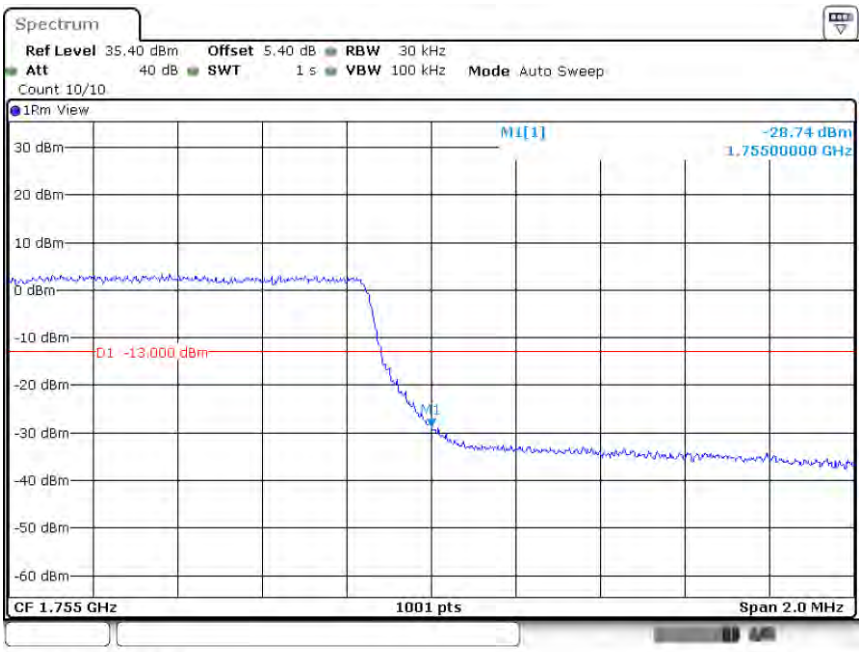
Band4-3MHz-64QAM-20385-15RB#0



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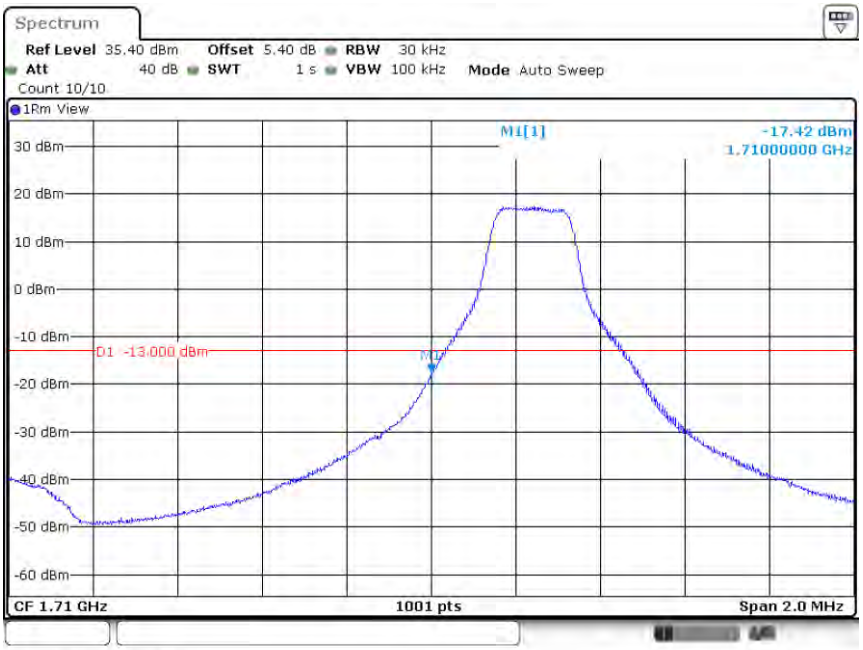

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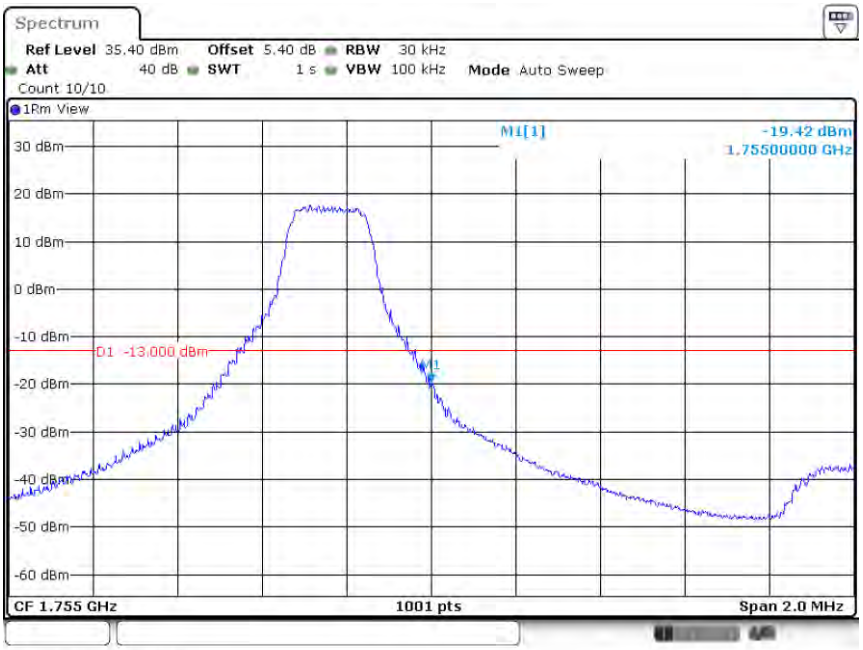
Band4-3MHz-16QAM-19965-15RB#0

Date: 18 DEC 2020 21:51:36

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



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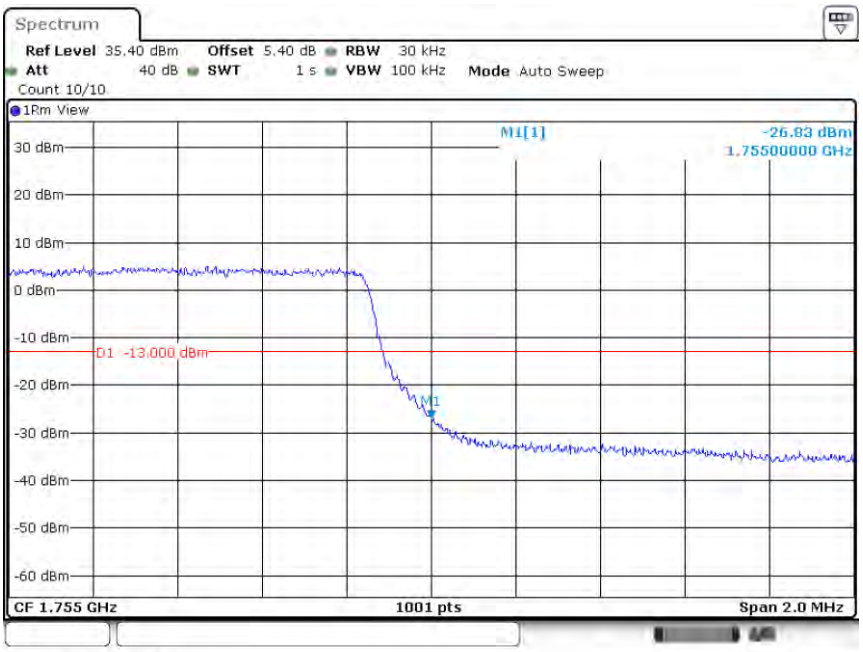
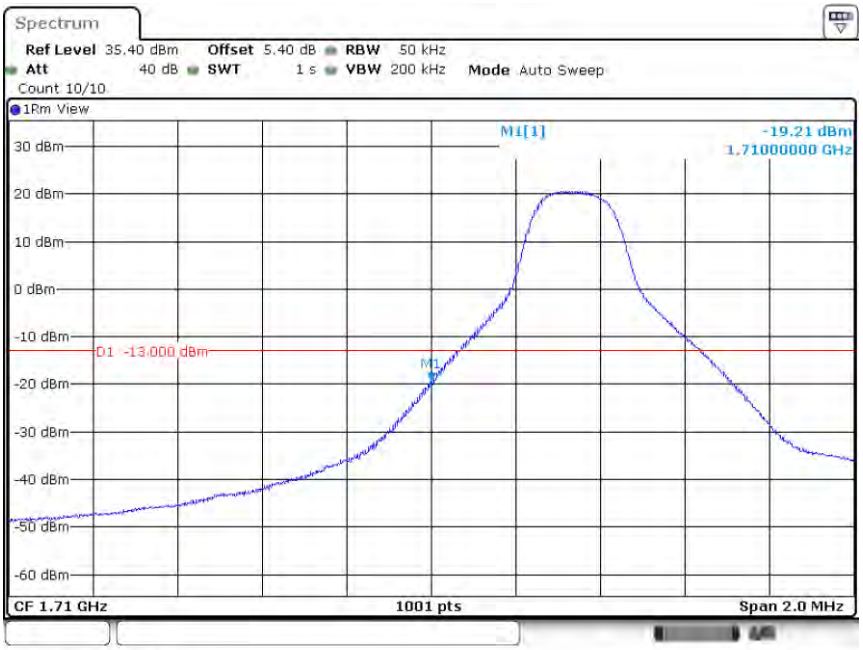
Band4-3MHz-16QAM-20385-15RB#0



Date: 18 DEC 2020 21:53:04

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



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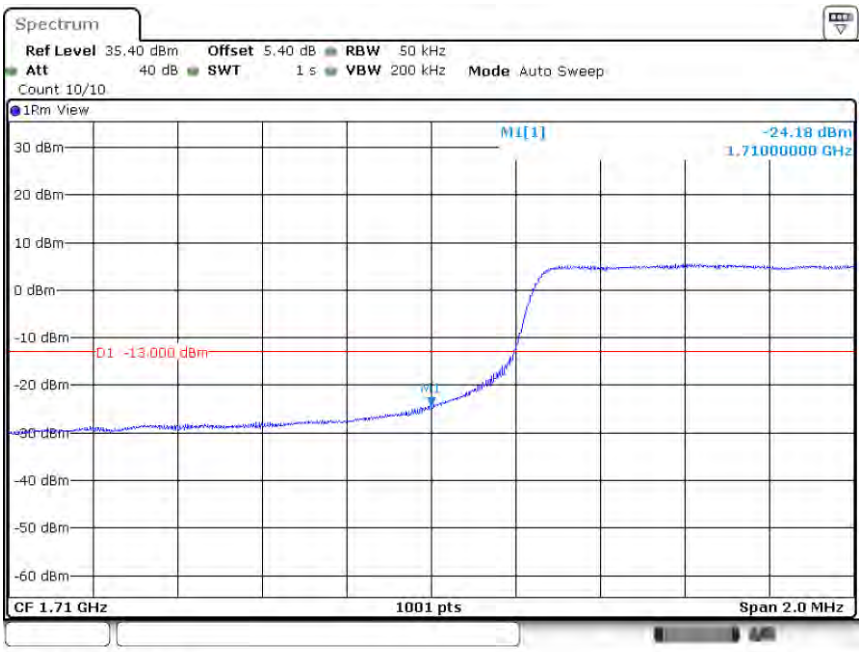
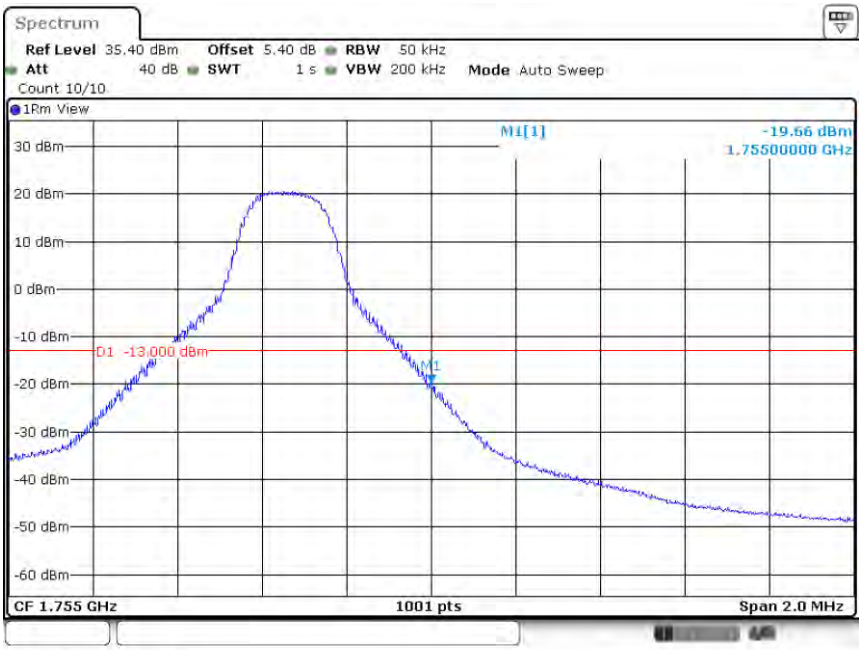
Band4-5MHz-QPSK-19975-25RB#0



Date: 18.DEC.2020 21:54:11

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



Date: 18.DEC.2020 21:54:57

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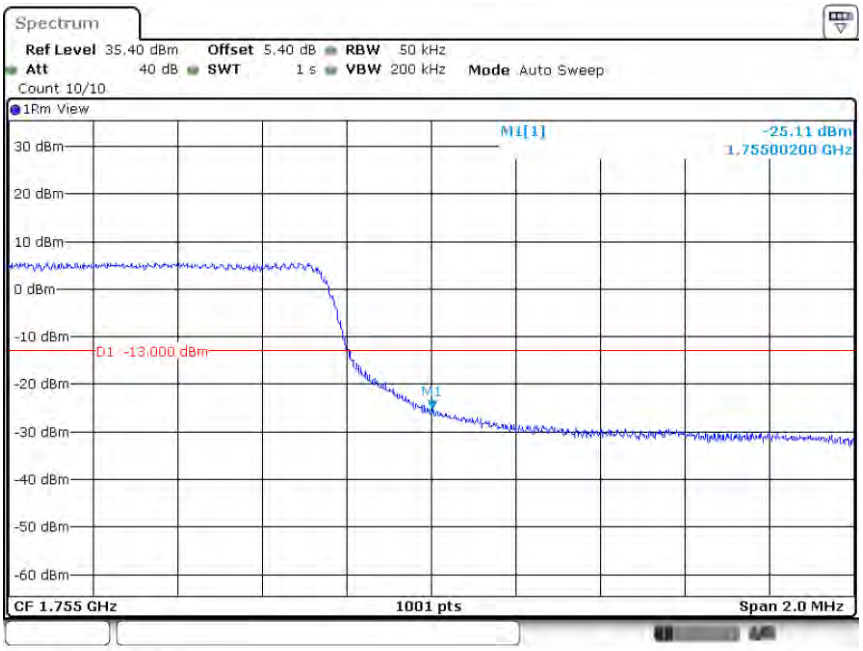
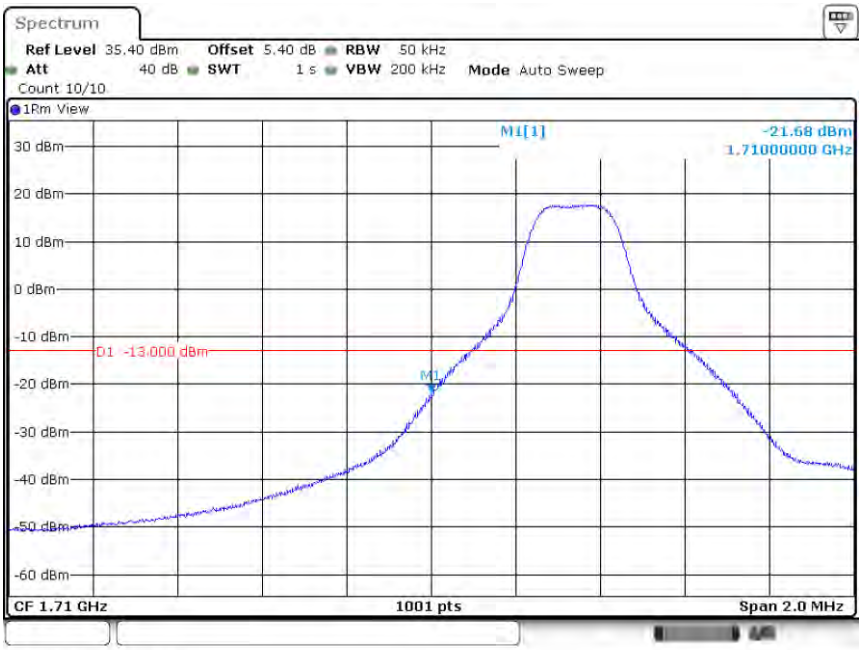
Band4-5MHz-QPSK-20375-25RB#0



Date: 18.DEC.2020 21:55:38

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



Date: 23.DEC.2020 12:34:18

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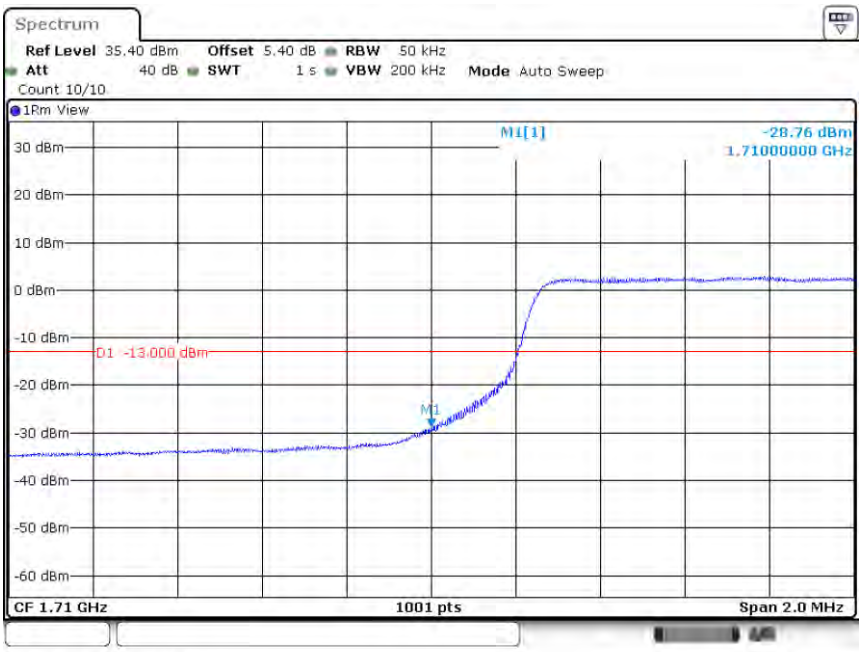
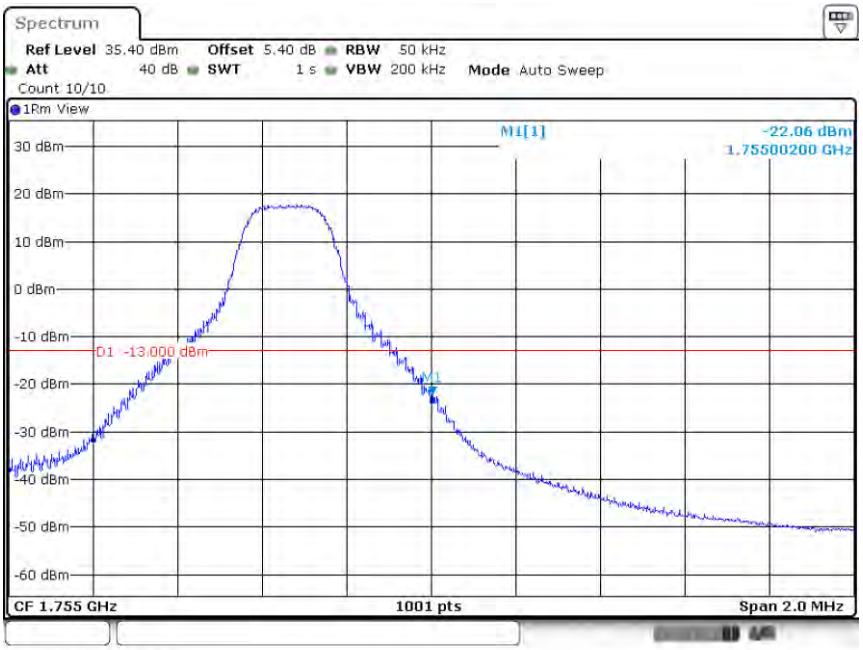
Band4-5MHz-64QAM-19975-25RB#0



Date: 23.DEC.2020 12:34:38

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



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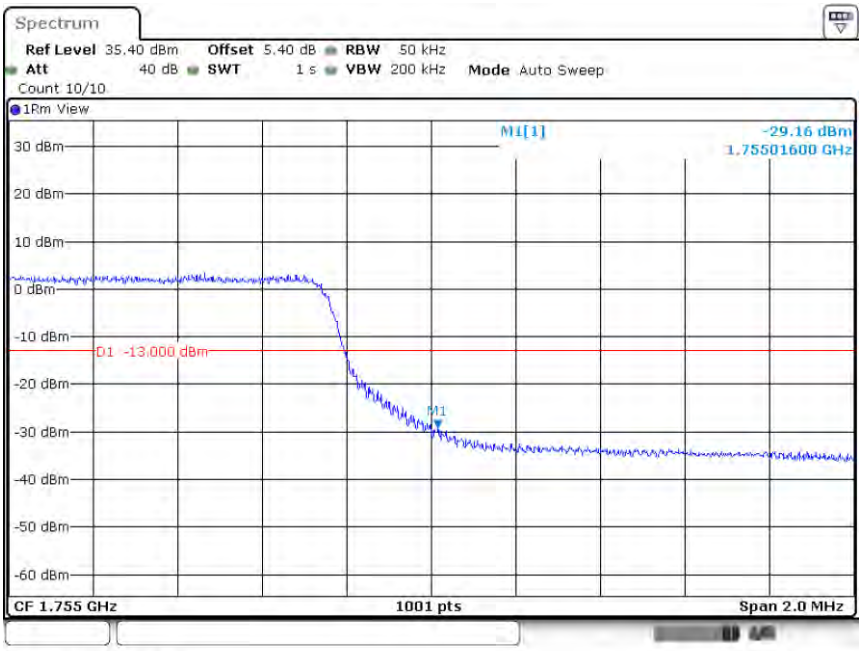
Band4-5MHz-64QAM-20375-25RB#0



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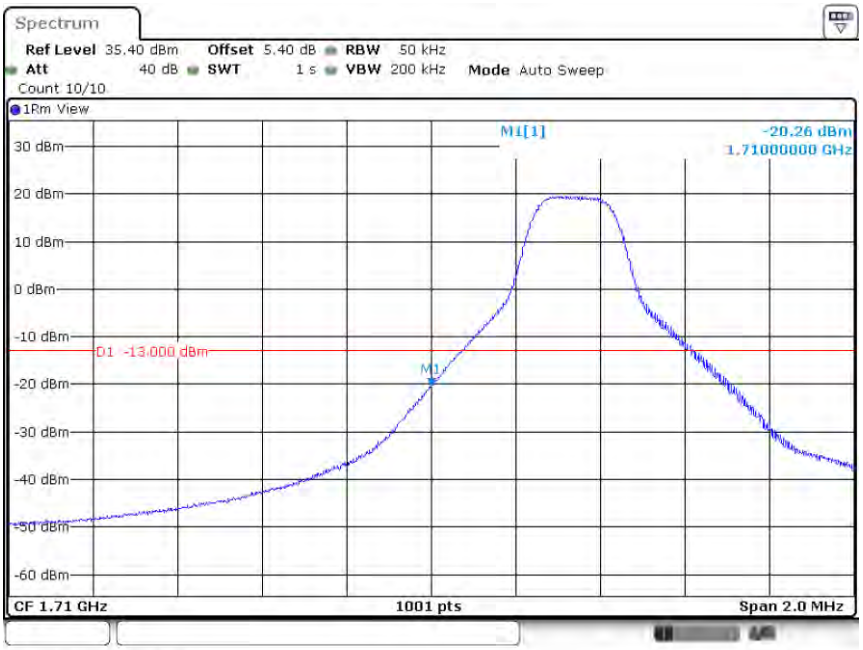
Band4-5MHz-16QAM-19975-1RB#0



Date: 18.DEC.2020 21:53:50

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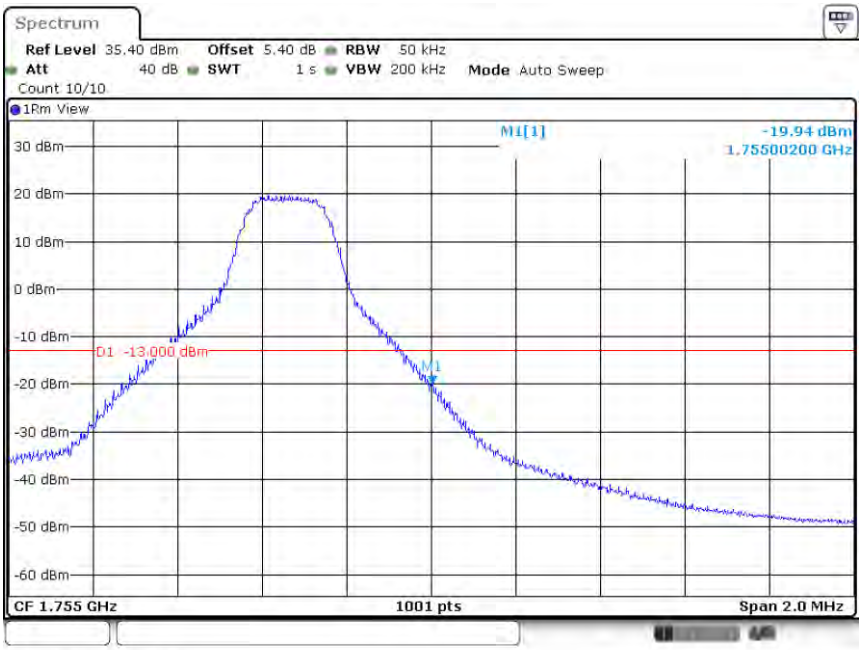
Band4-5MHz-16QAM-19975-25RB#0

Date: 18.DEC.2020 21:54:32

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



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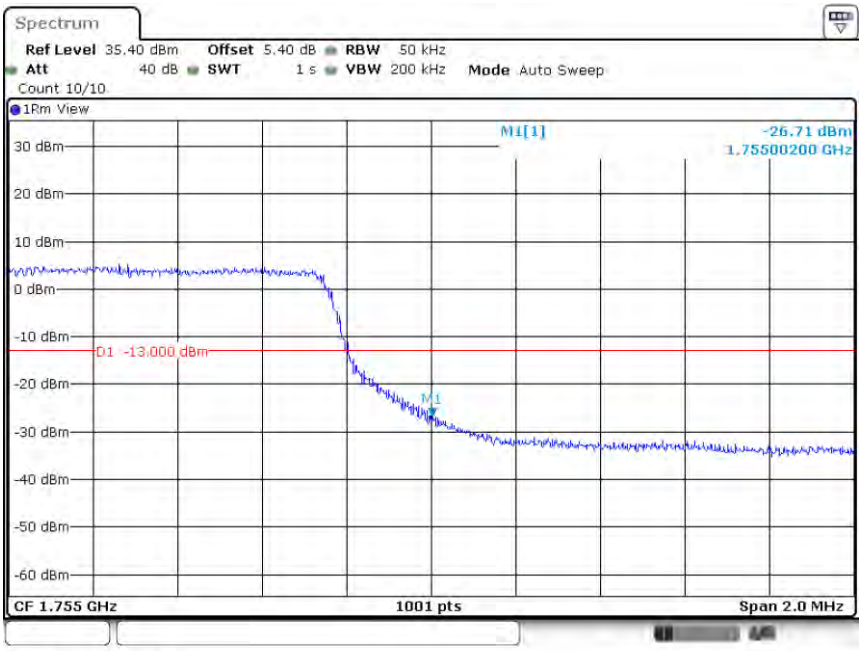
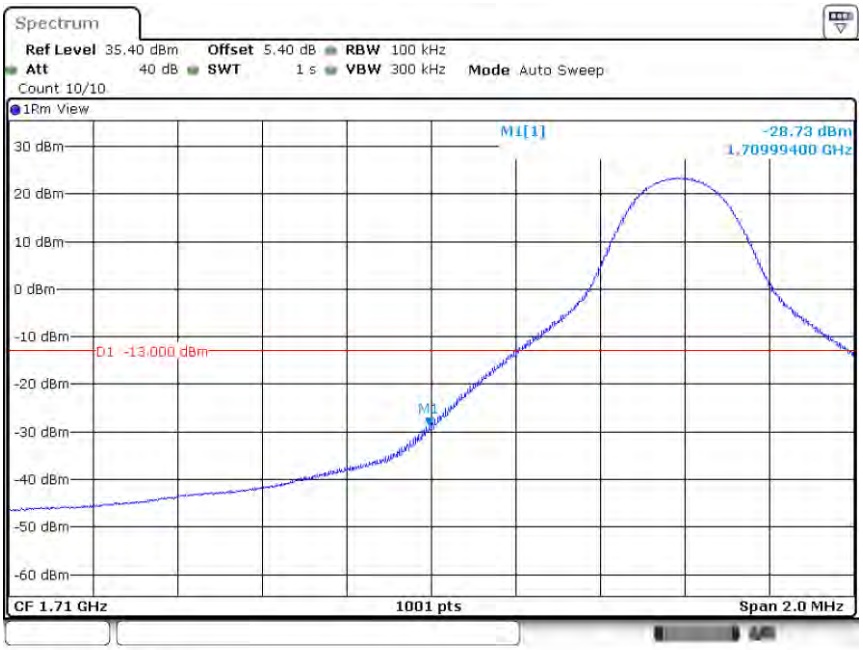
Band4-5MHz-16QAM-20375-25RB#0



Date: 18.DEC.2020 21:55:59

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



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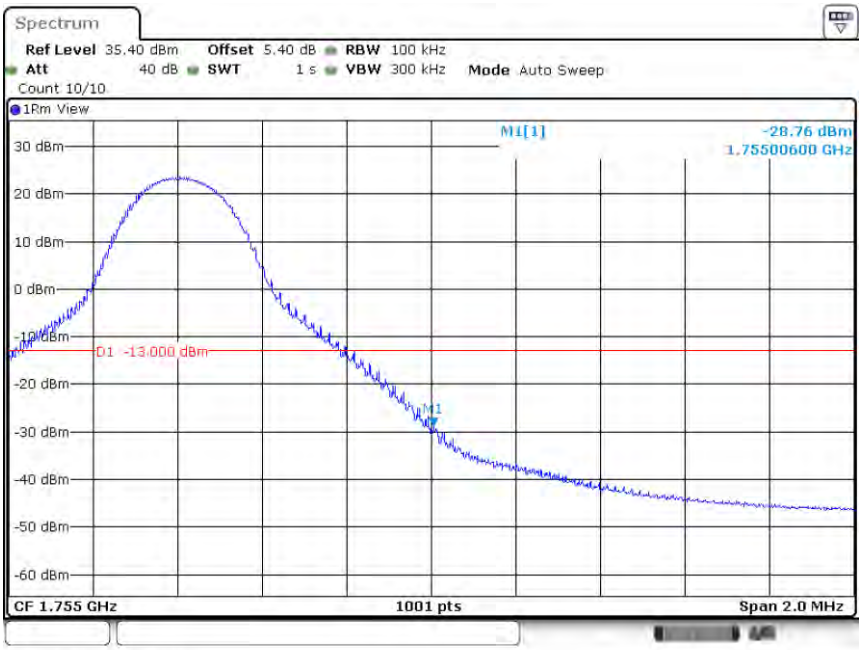
Band4-10MHz-QPSK-20000-50RB#0

Date: 18 DEC 2020 21:57:06

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



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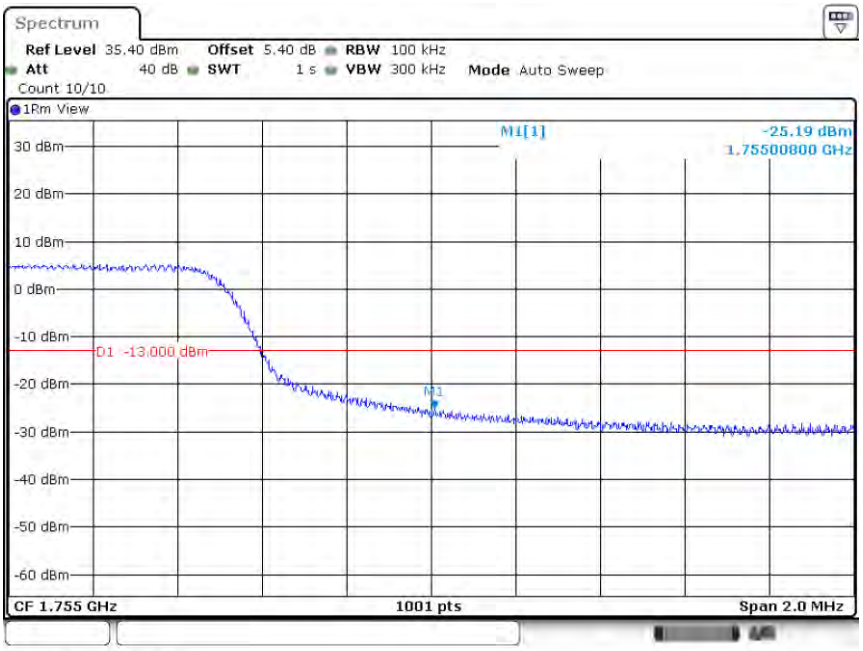
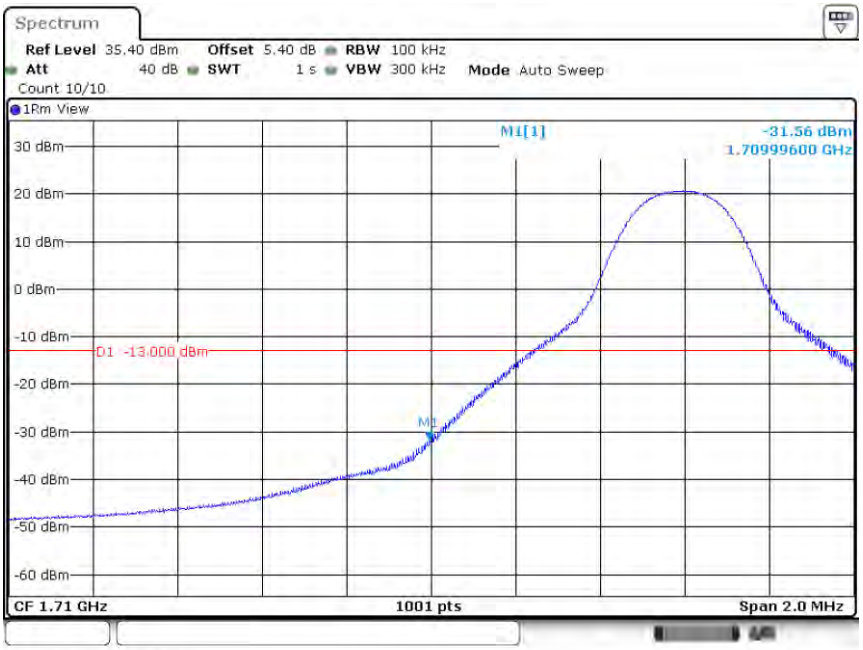
Band4-10MHz-QPSK-20350-50RB#0



Date: 18 DEC 2020 21:58:33

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



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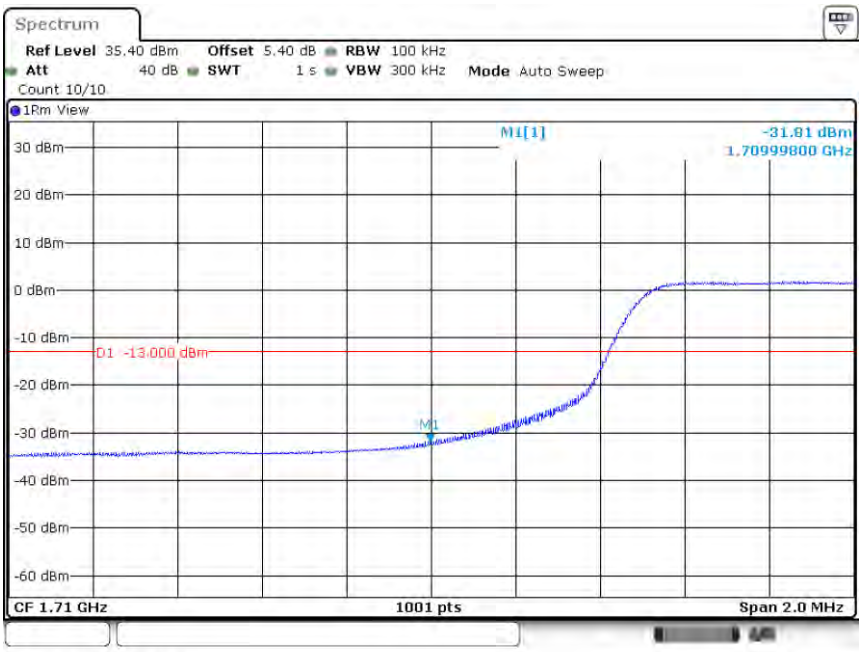
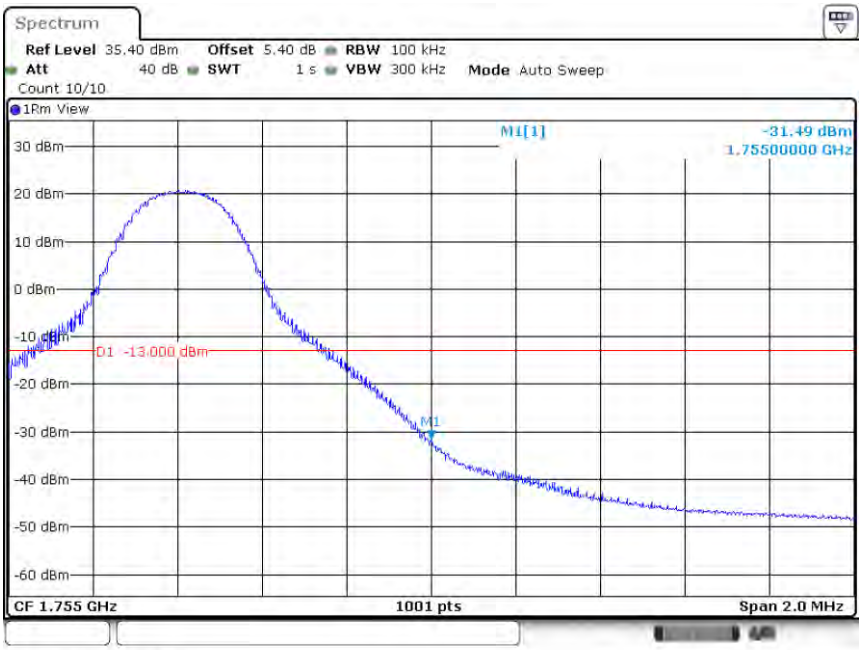
Band4-10MHz-64QAM-20000-50RB#0



Date: 23.DEC.2020 12:36:13

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



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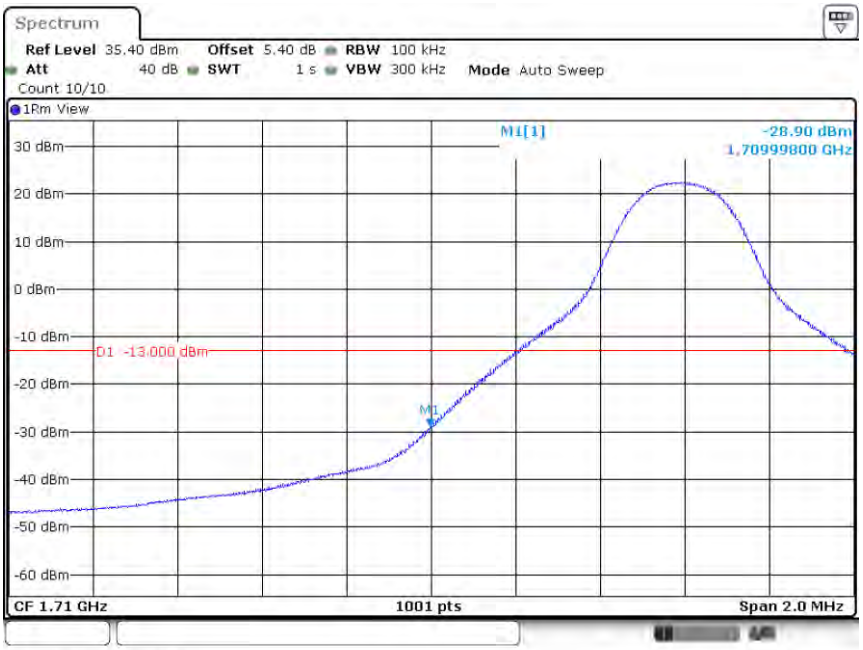
Band4-10MHz-64QAM-20350-50RB#0

Date: 23.DEC.2020 12:37:00

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



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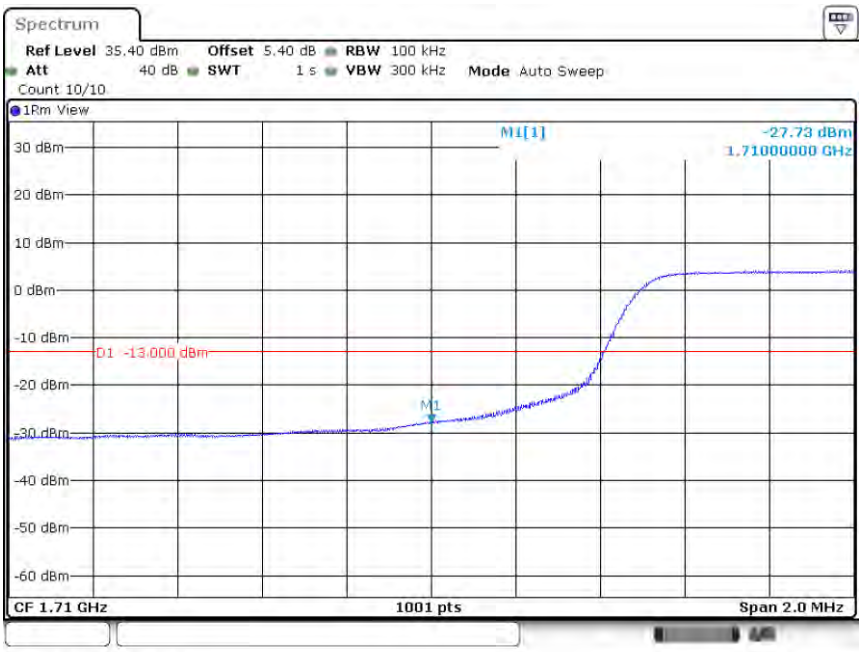
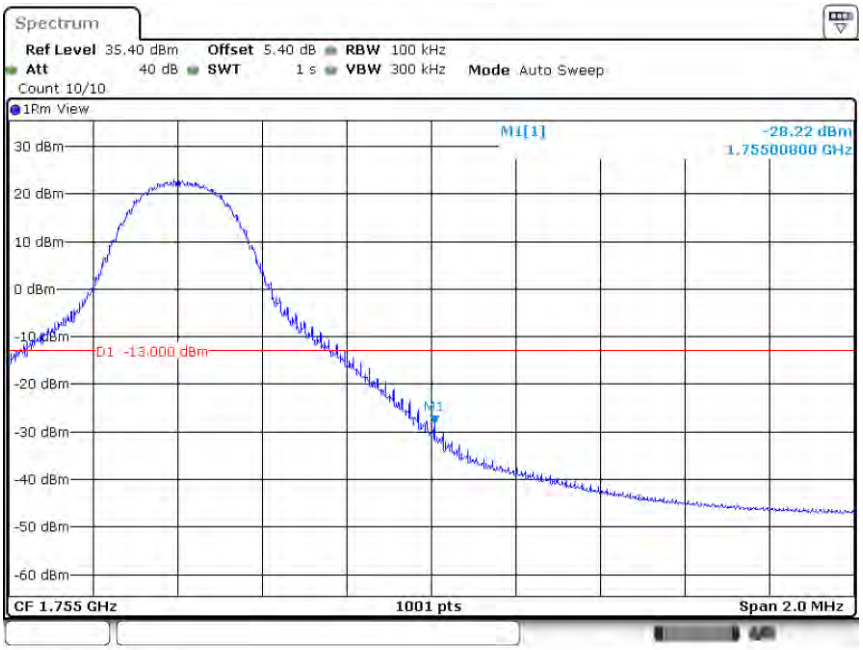
Band4-10MHz-16QAM-20000-50RB#0



Date: 18 DEC 2020 21:57:26

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



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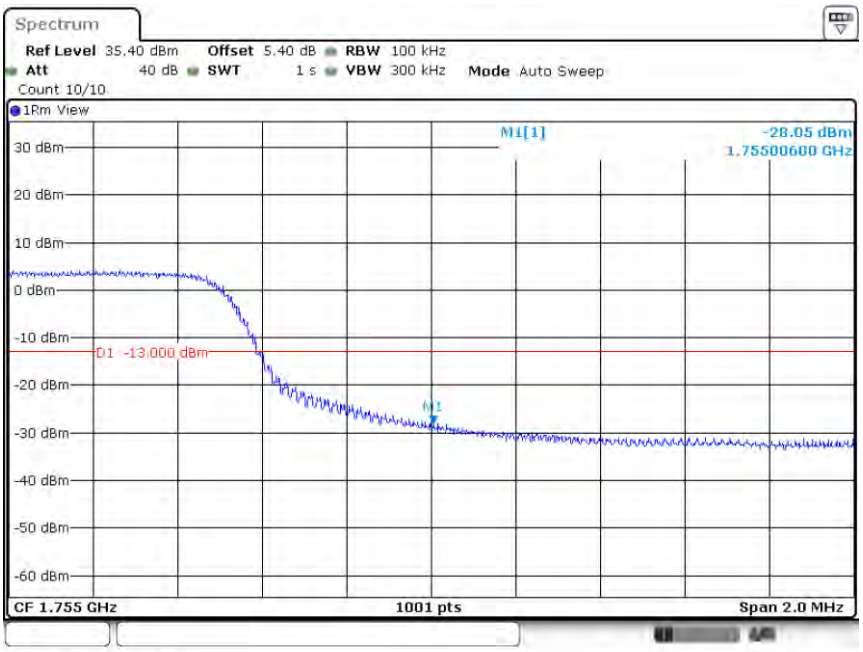
Band4-10MHz-16QAM-20350-50RB#0



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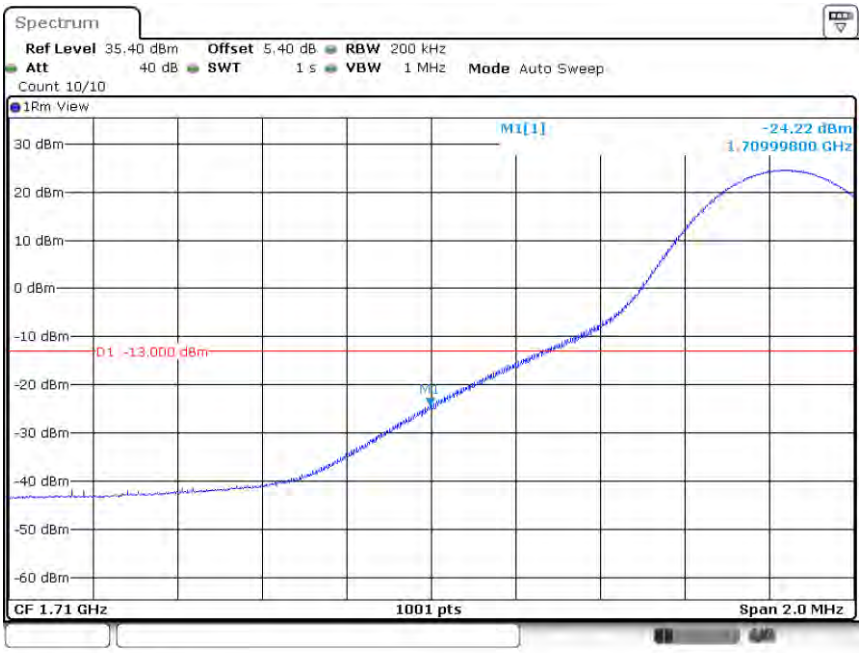

Date: 18.DEC.2020 22:17:24

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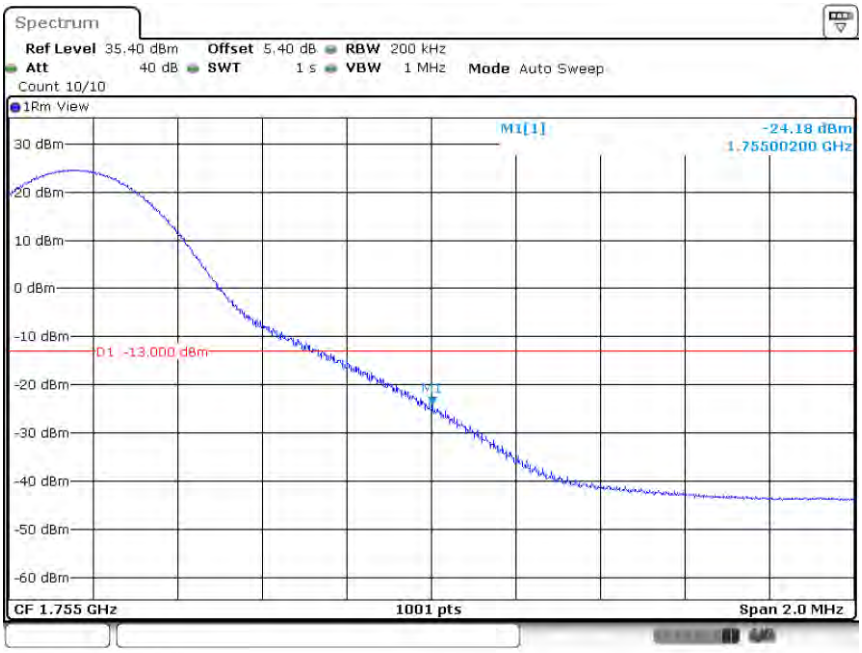
Band4-15MHz-QPSK-20025-75RB#0

Date: 18 DEC 2020 22:18:05

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



Date: 18 DEC 2020 22:18:50

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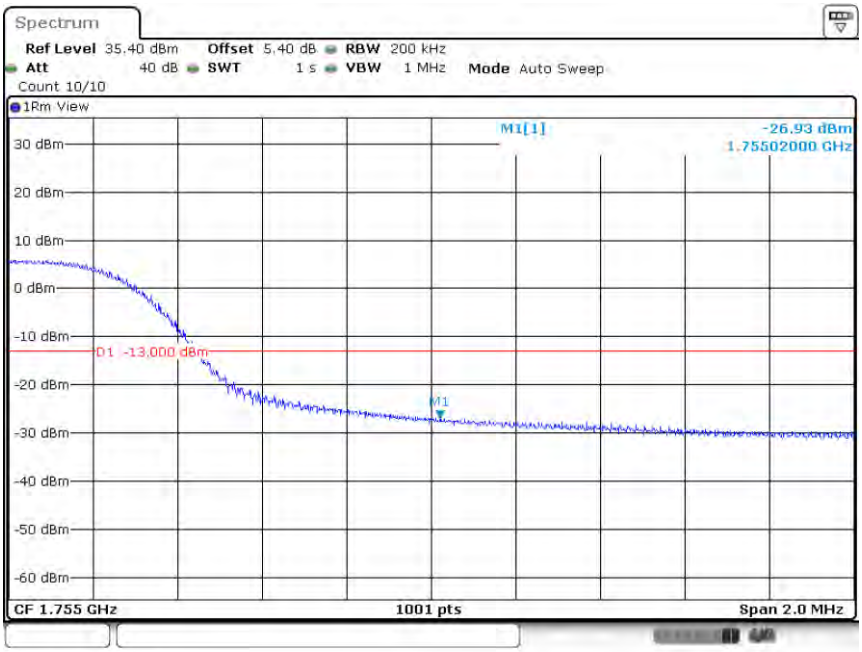
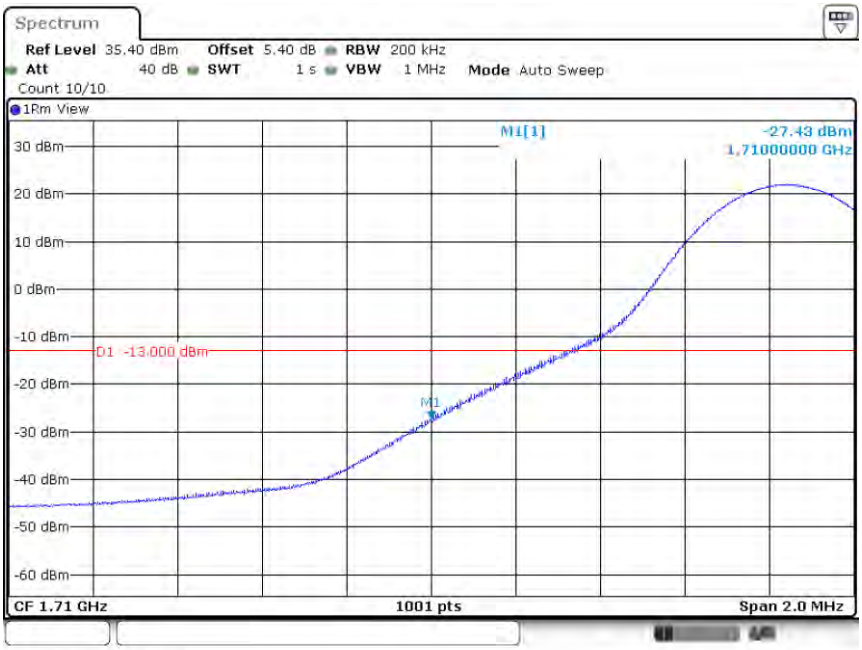
Band4-15MHz-QPSK-20325-75RB#0



Date: 18 DEC 2020 22:19:31

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



Date: 23 DEC 2020 12:37:27

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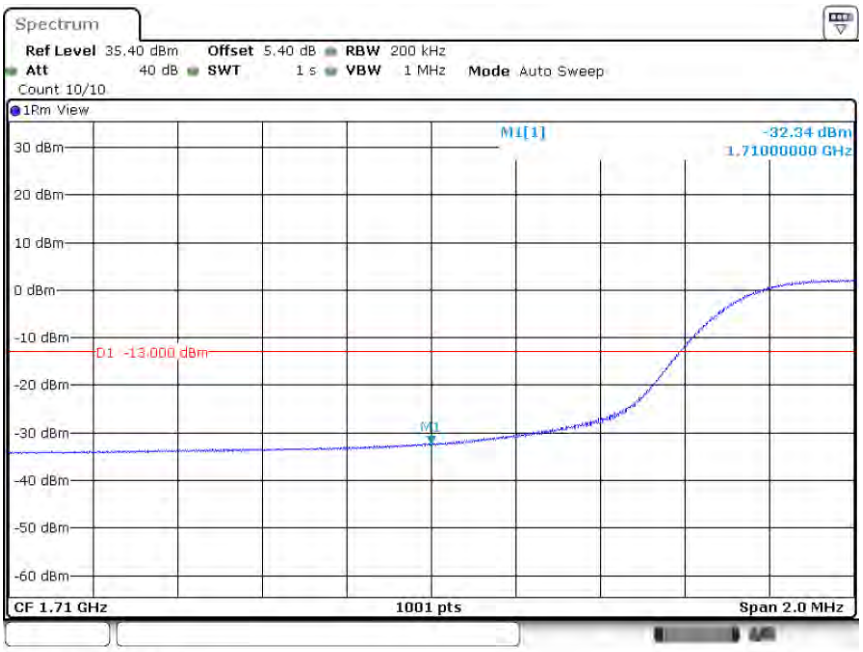
Band4-15MHz-64QAM-20025-75RB#0



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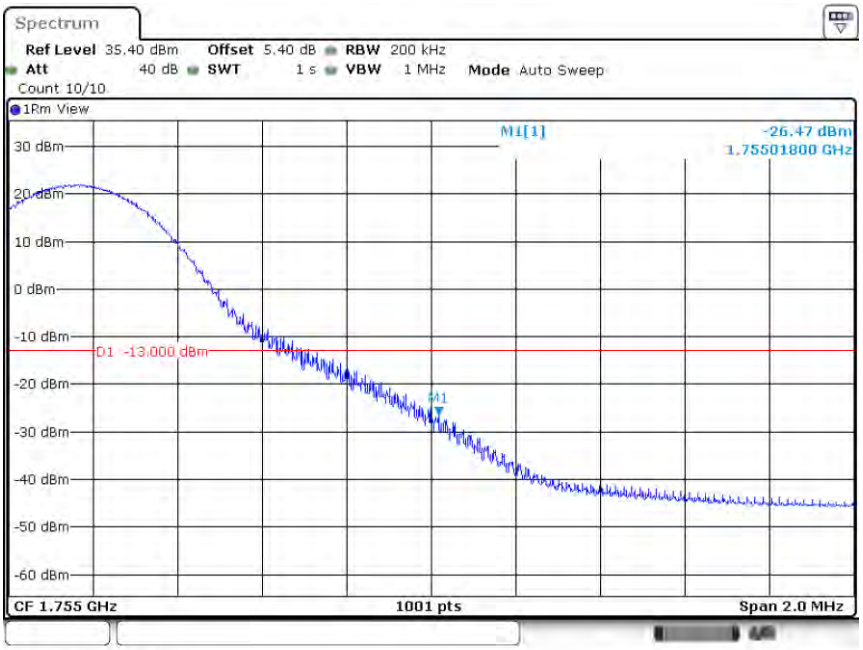
Band4-15MHz-64QAM-20325-1RB#74



Date: 23.DEC.2020 12:38:14

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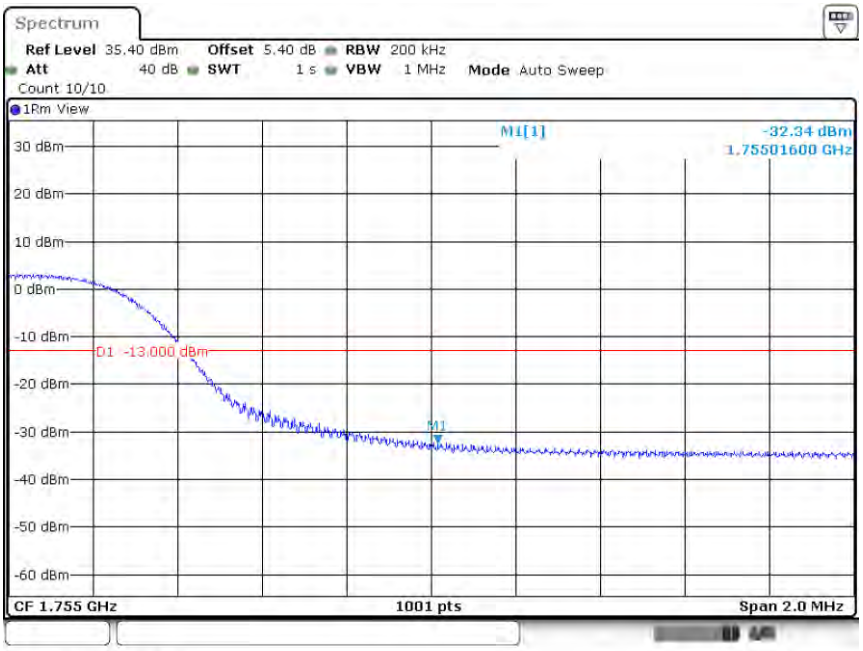
Band4-15MHz-64QAM-20325-75RB#0



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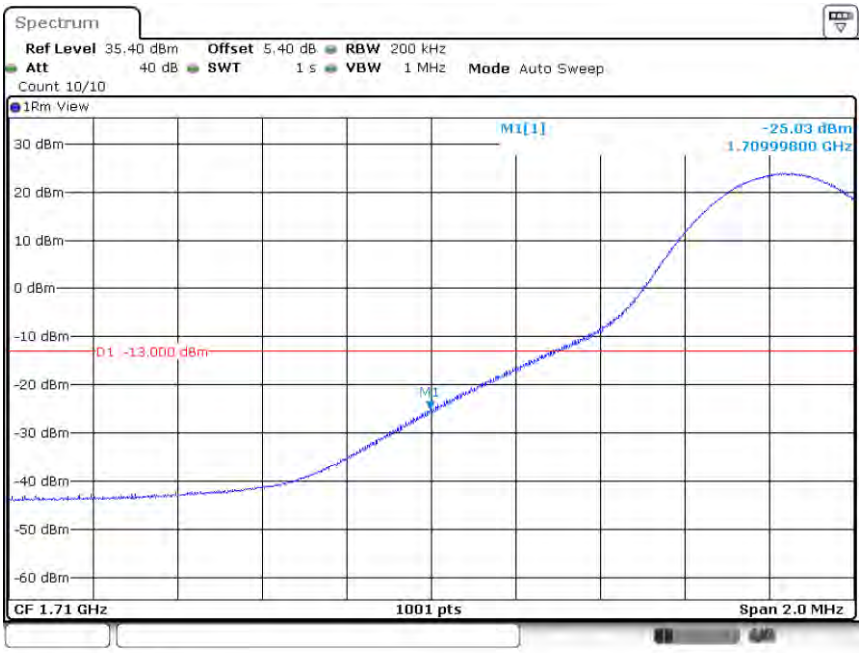
Band4-15MHz-16QAM-20025-1RB#0



Date: 18.DEC.2020 22:17:44

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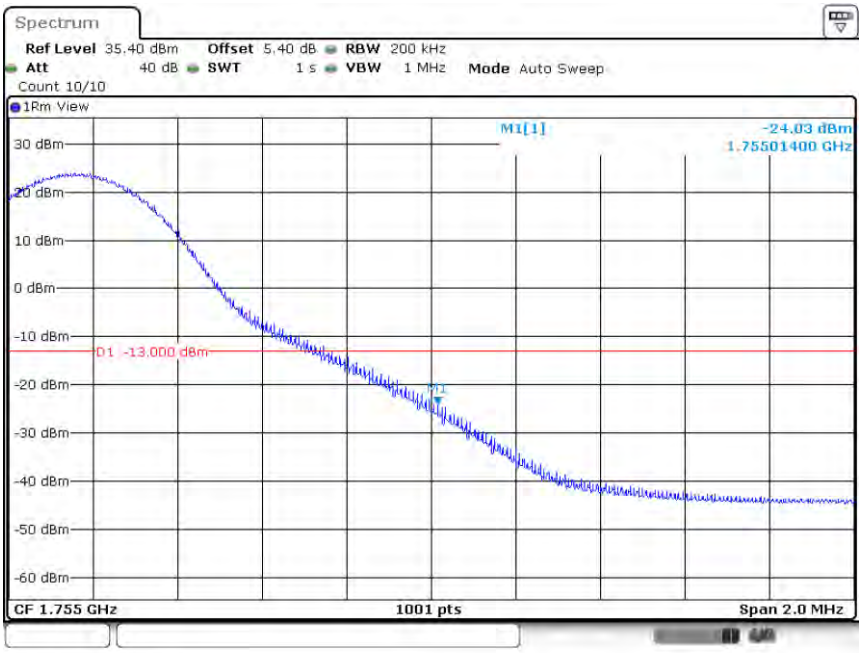
Band4-15MHz-16QAM-20025-75RB#0

Date: 18 DEC 2020 22:18:25

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



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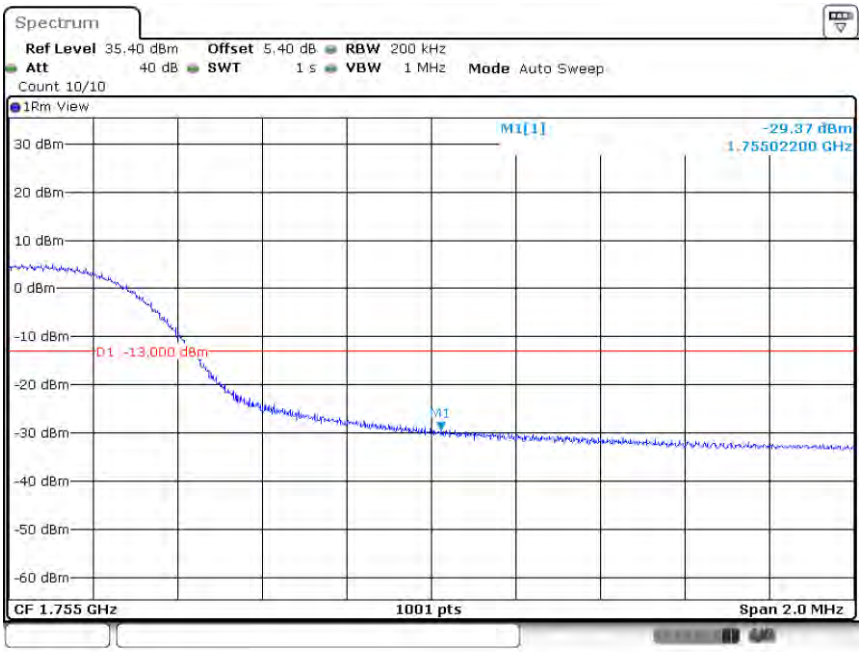
Band4-15MHz-16QAM-20325-75RB#0



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

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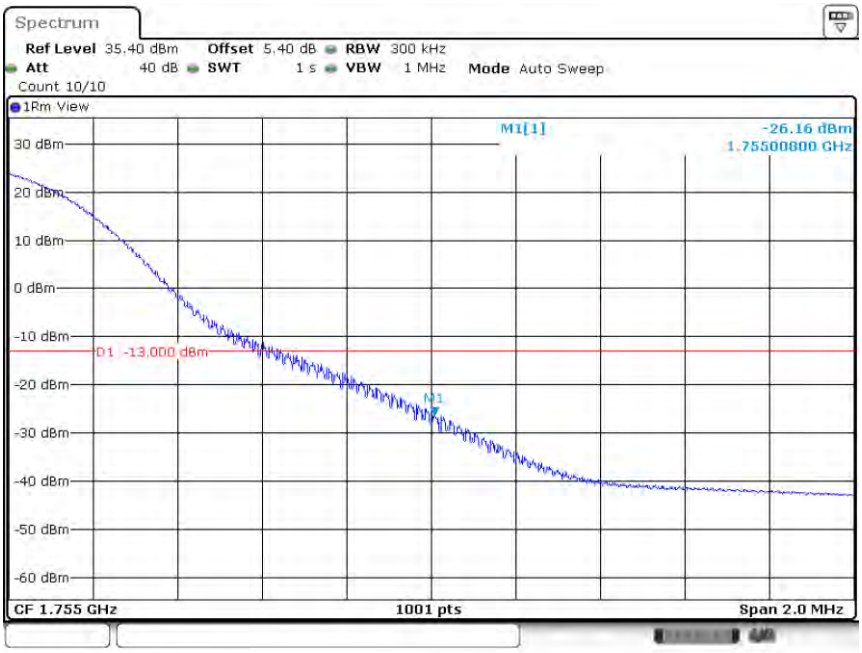
Band4-20MHz-QPSK-20050-100RB#0

Date: 18 DEC 2020 22:20:58

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



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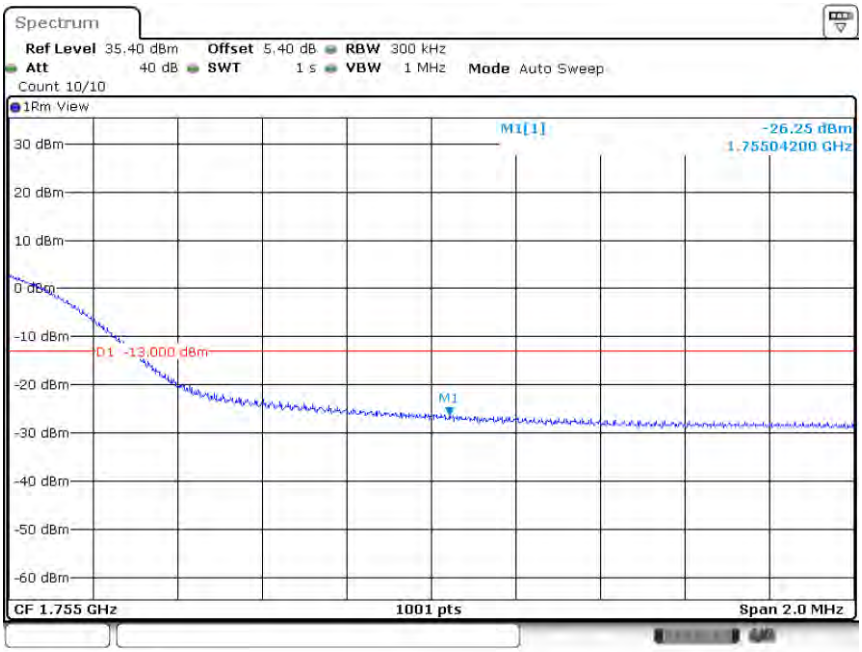

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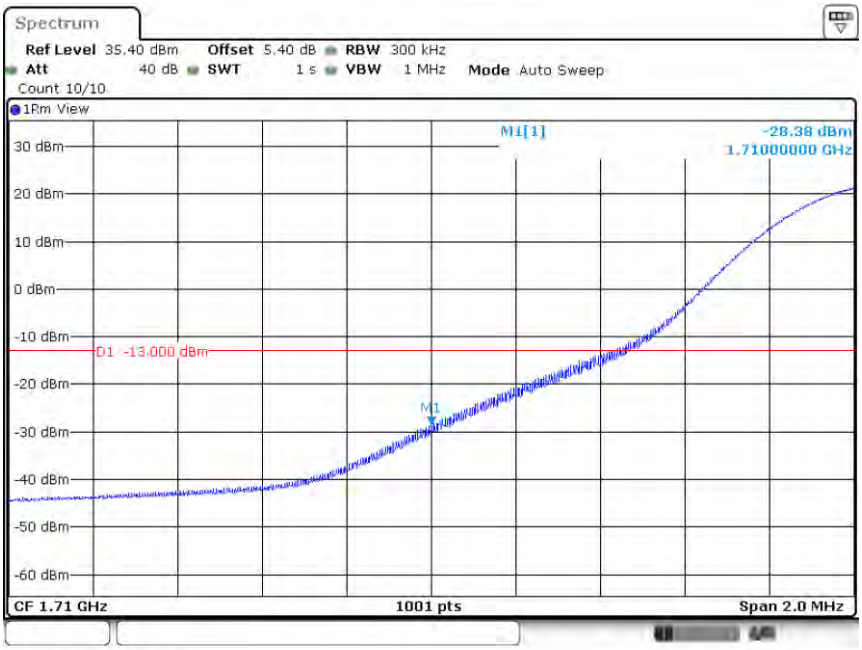

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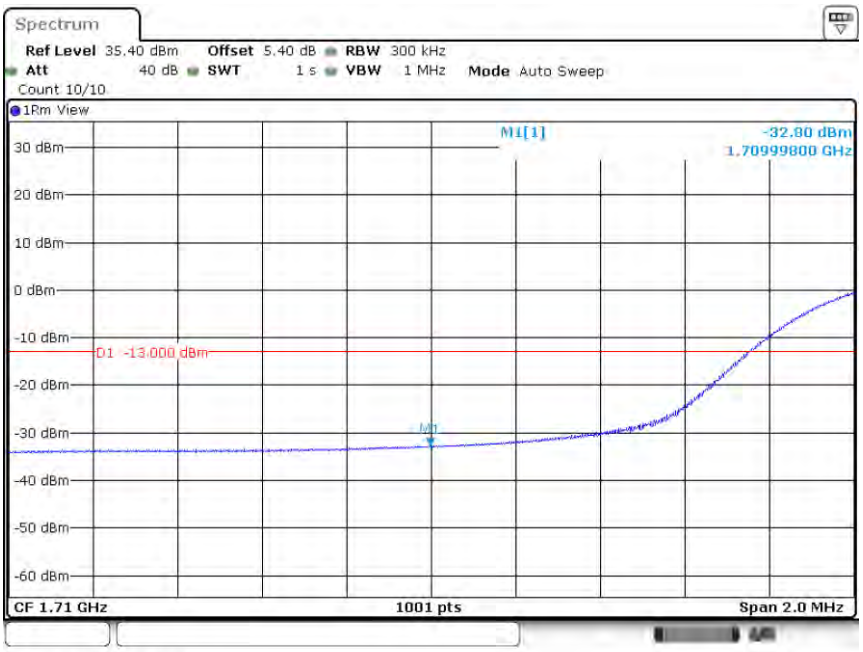
Band4-20MHz-64QAM-20050-100RB#0



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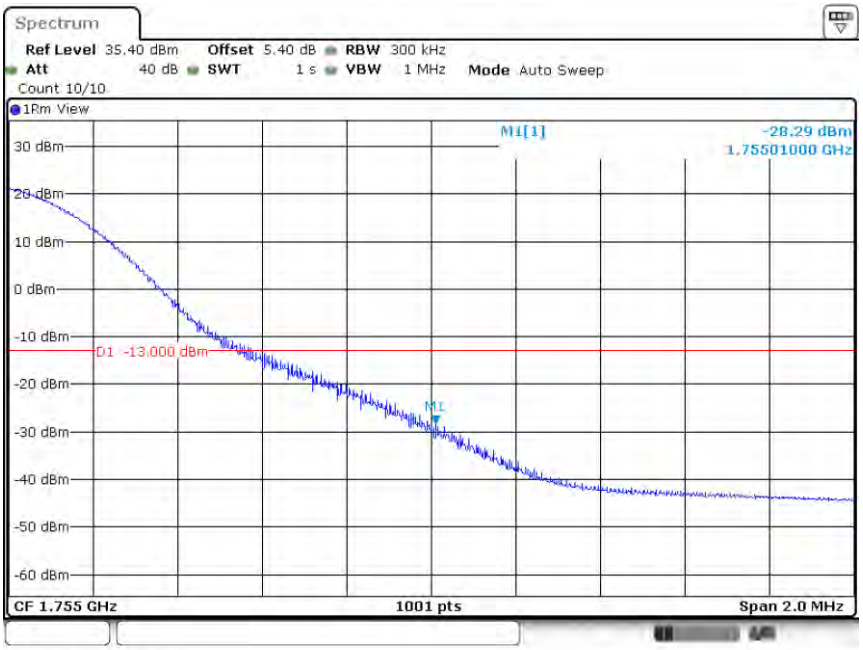
Band4-20MHz-64QAM-20300-1RB#99



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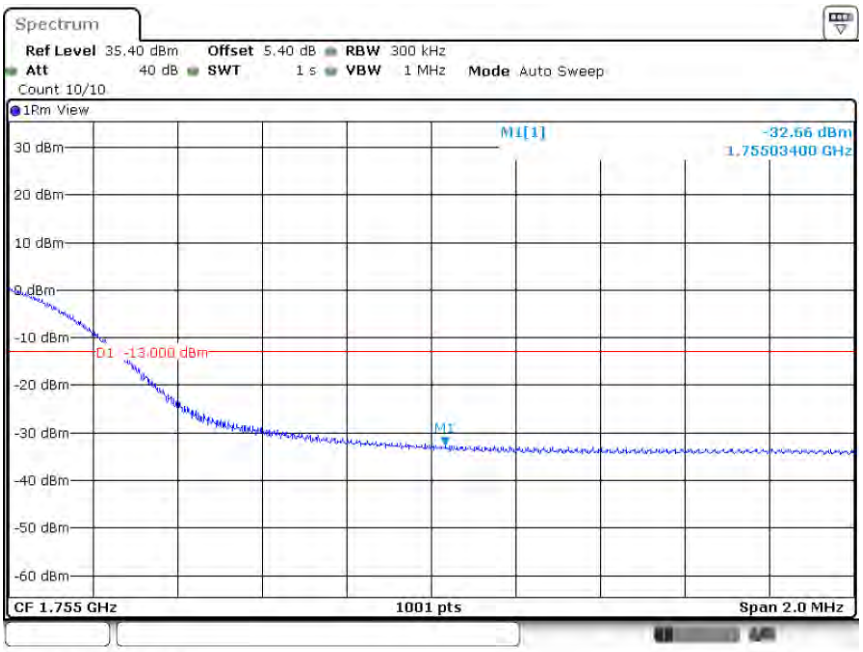

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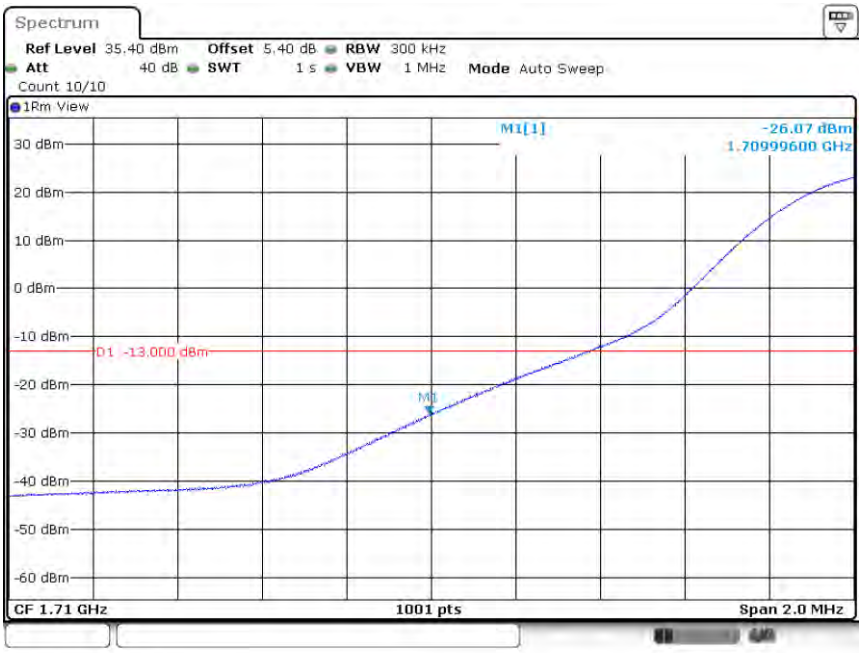

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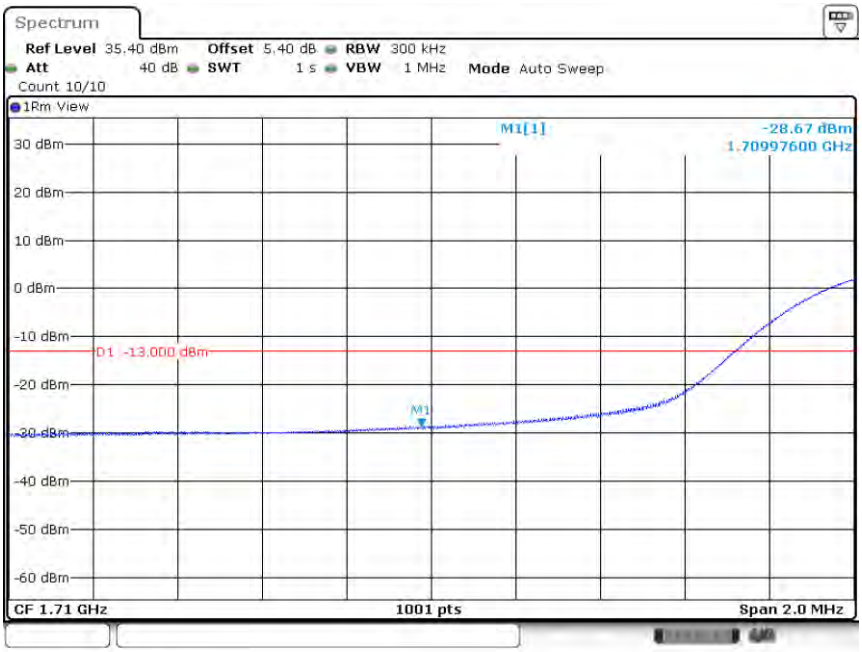
Band4-20MHz-16QAM-20050-100RB#0



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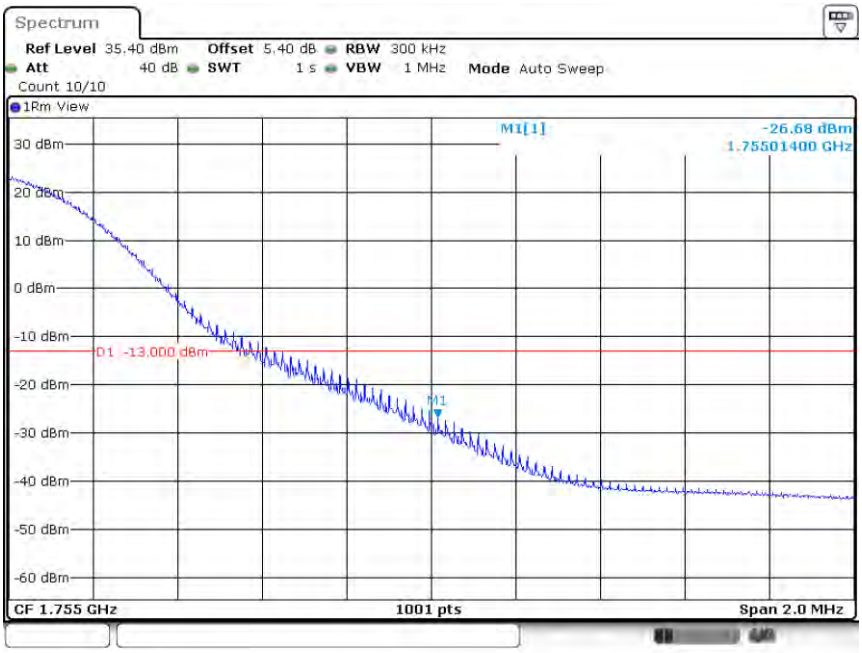
Band4-20MHz-16QAM-20300-1RB#99



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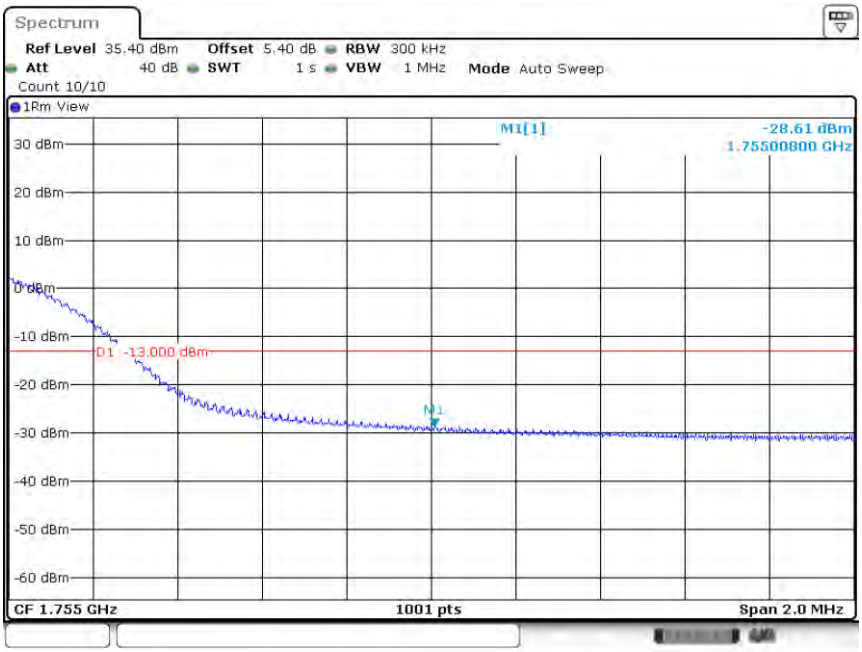
Band4-20MHz-16QAM-20300-100RB#0



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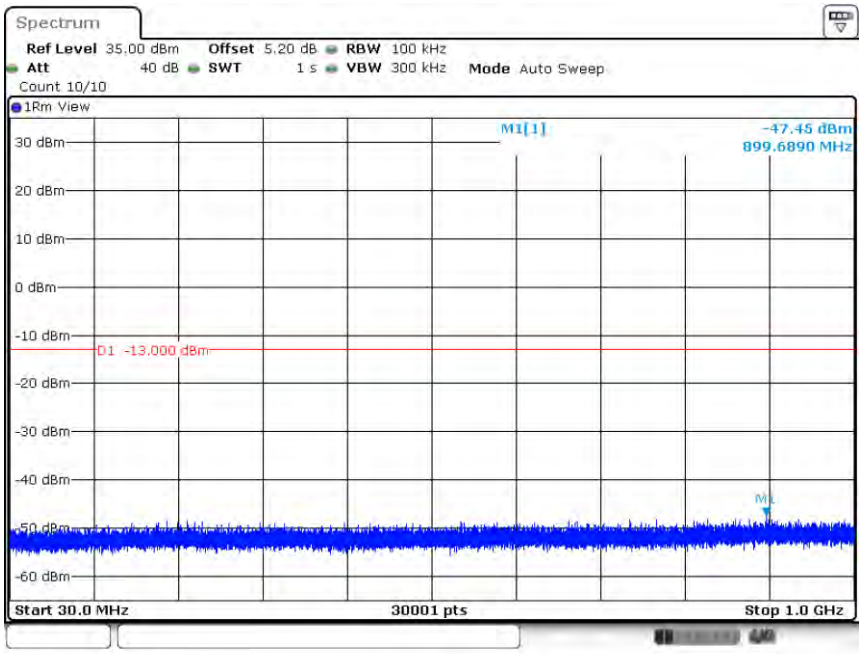
6. Spurious Emission at Antenna Terminal

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

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



Date: 18.DEC.2020 22:23:09

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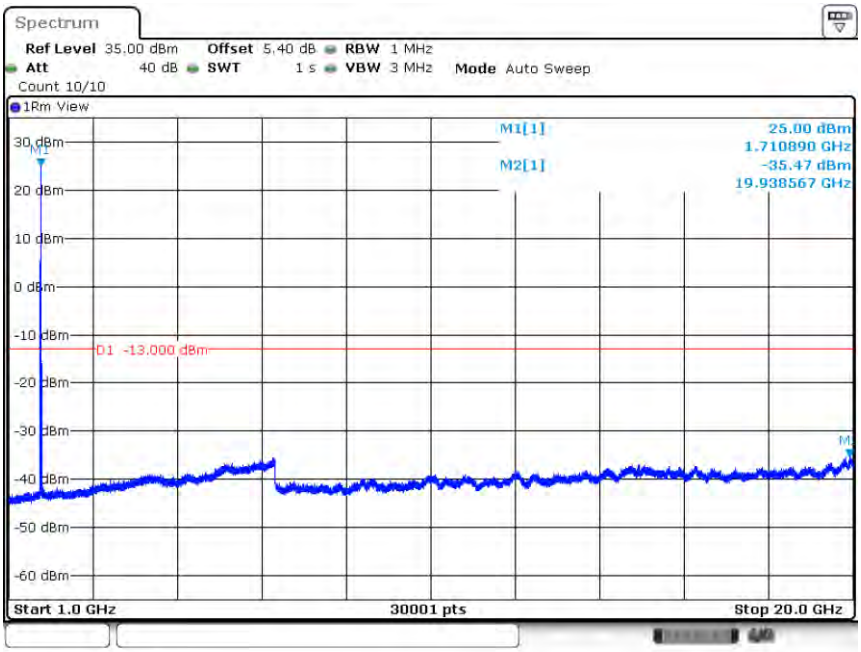
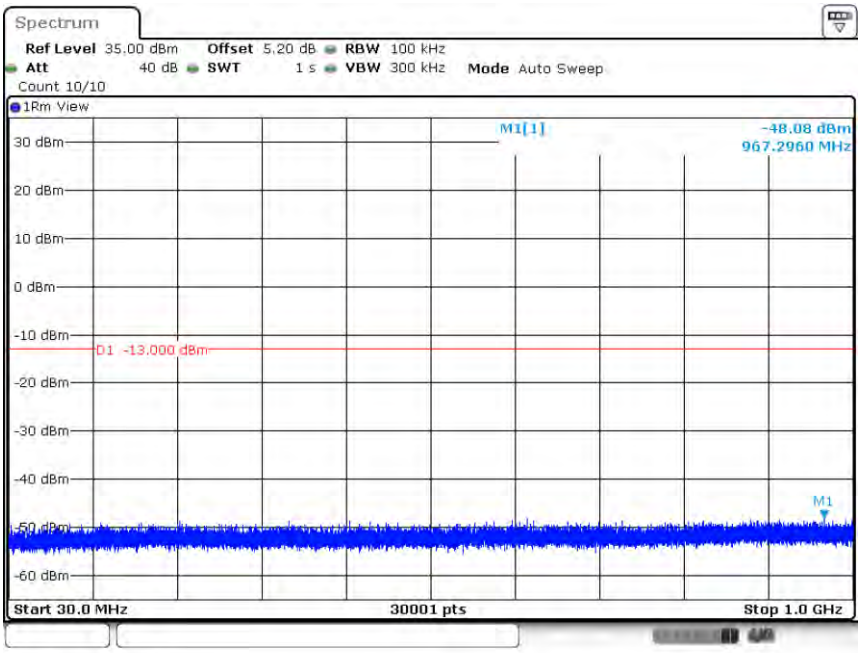
Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 18 DEC 2020 22:23:26

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



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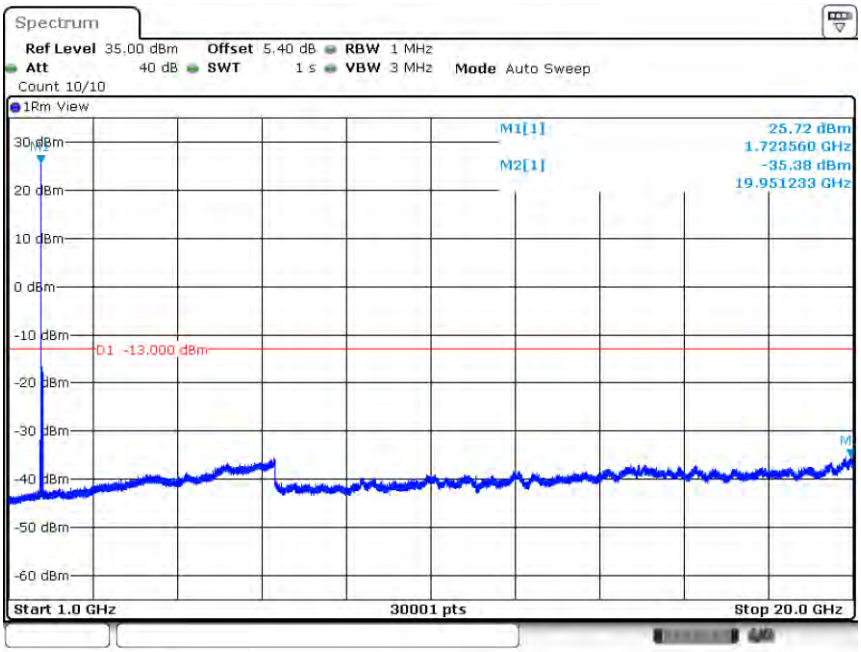
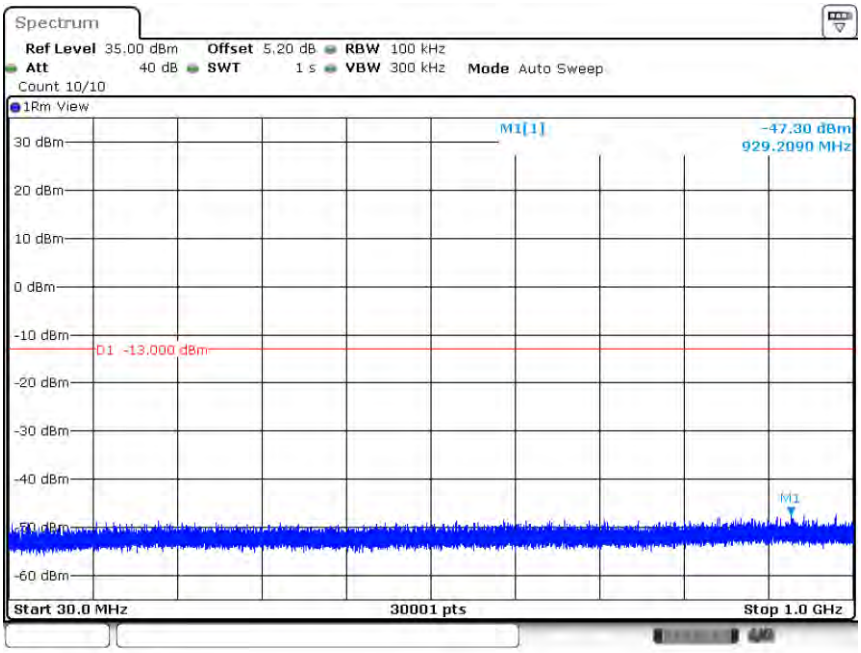
Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 18 DEC 2020 22:24:37

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



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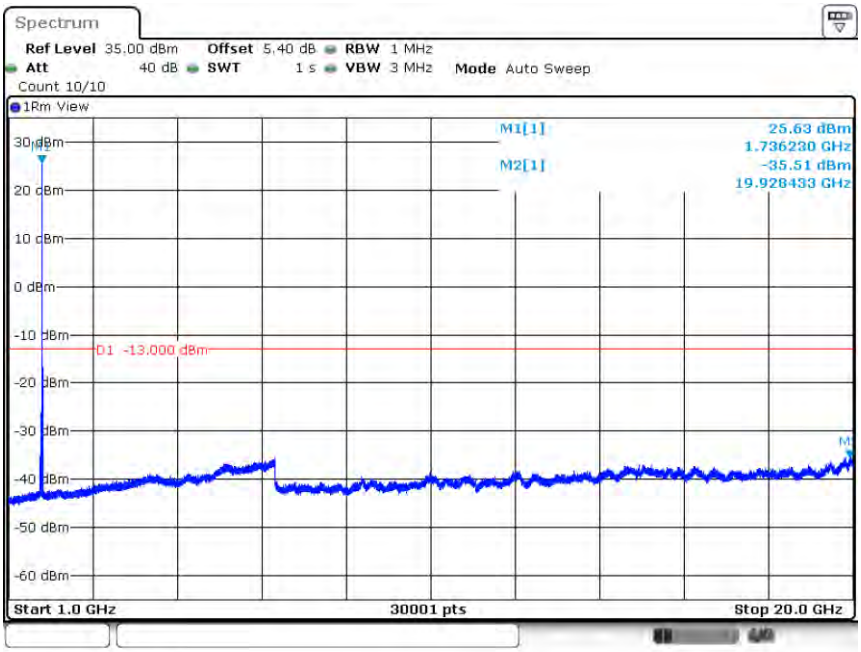
Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



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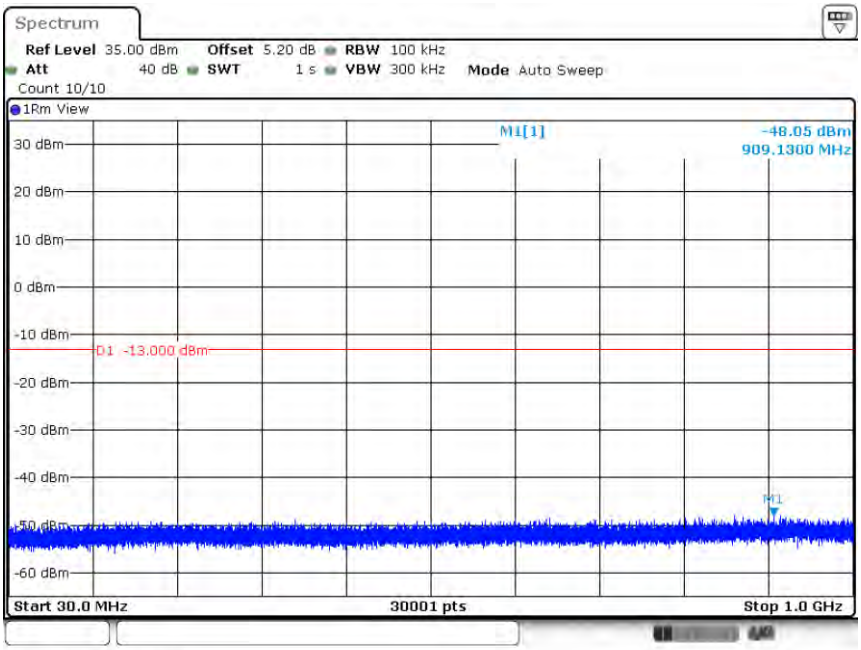
Band4-20MHz-64QAM-20050-1RB#0-Range1:30~1000MHz



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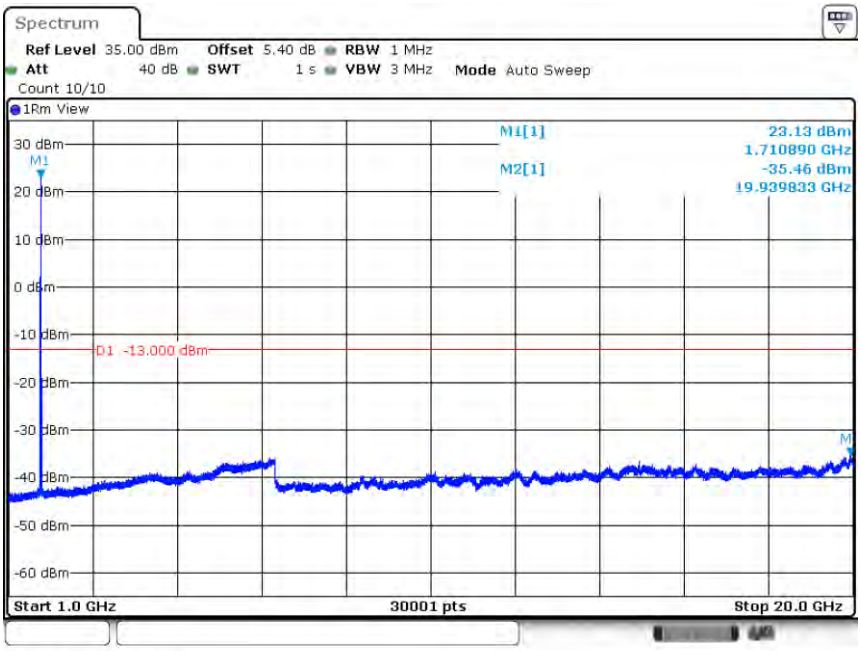
Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



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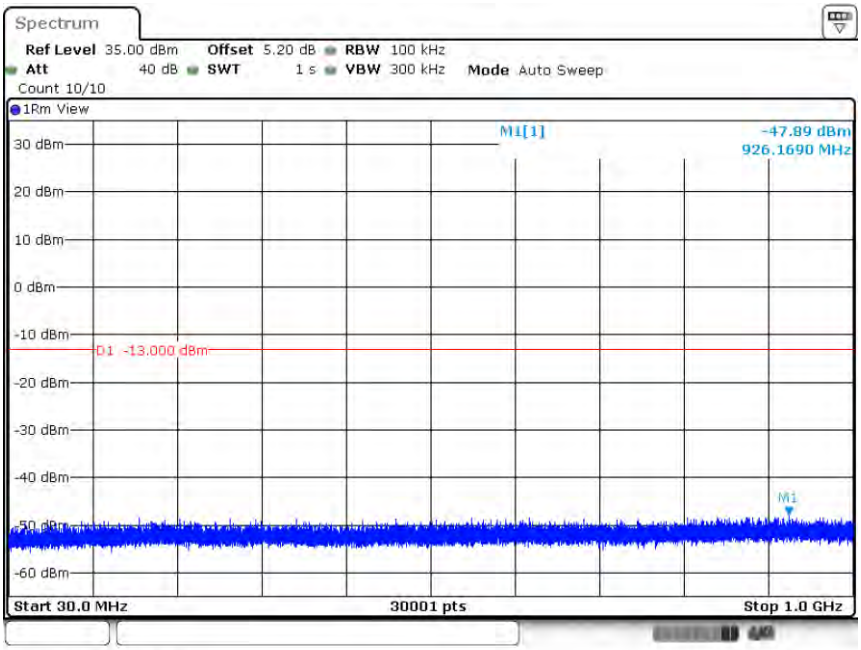
Band4-20MHz-64QAM-20175-1RB#0-Range1:30~1000MHz



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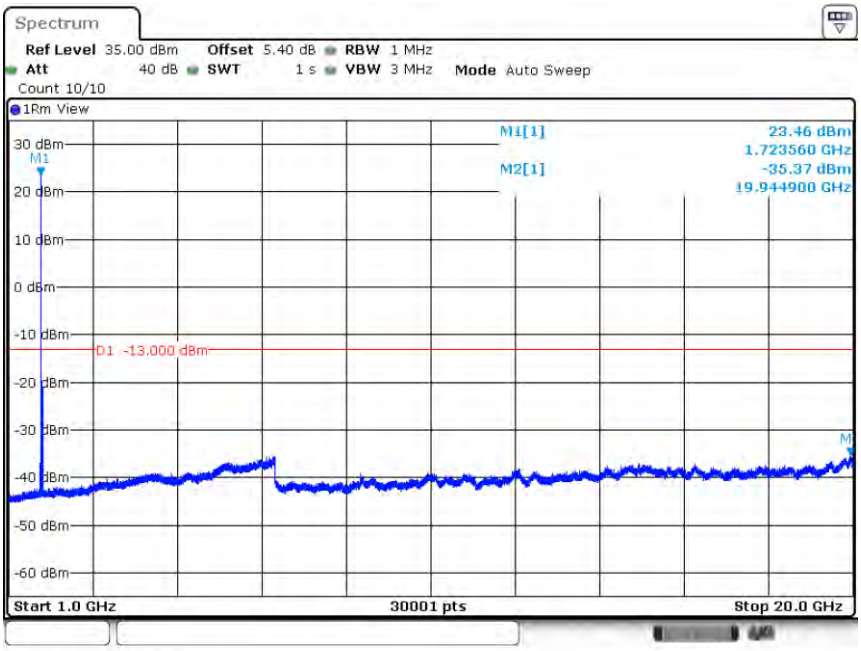
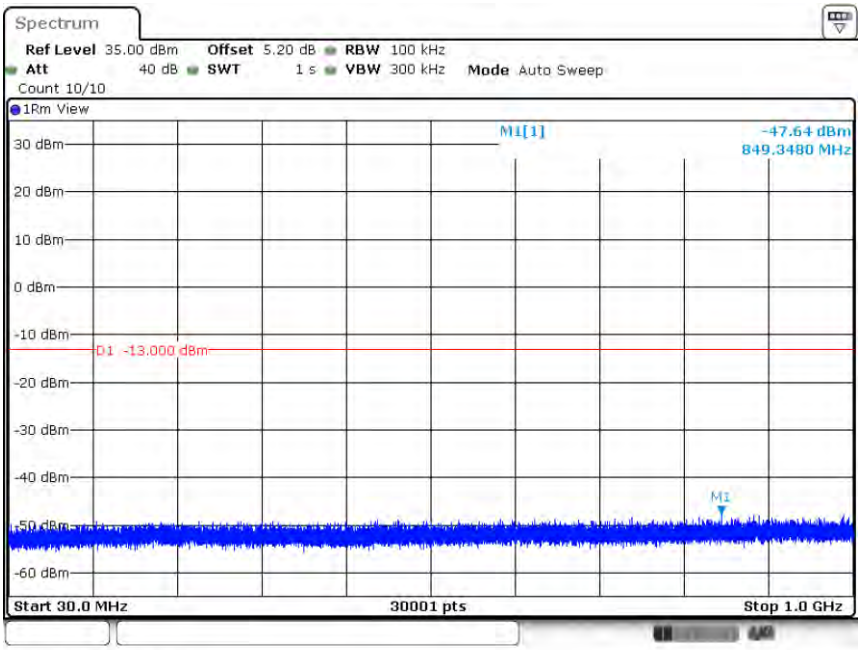
Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 23.DEC.2020 12:41:26

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



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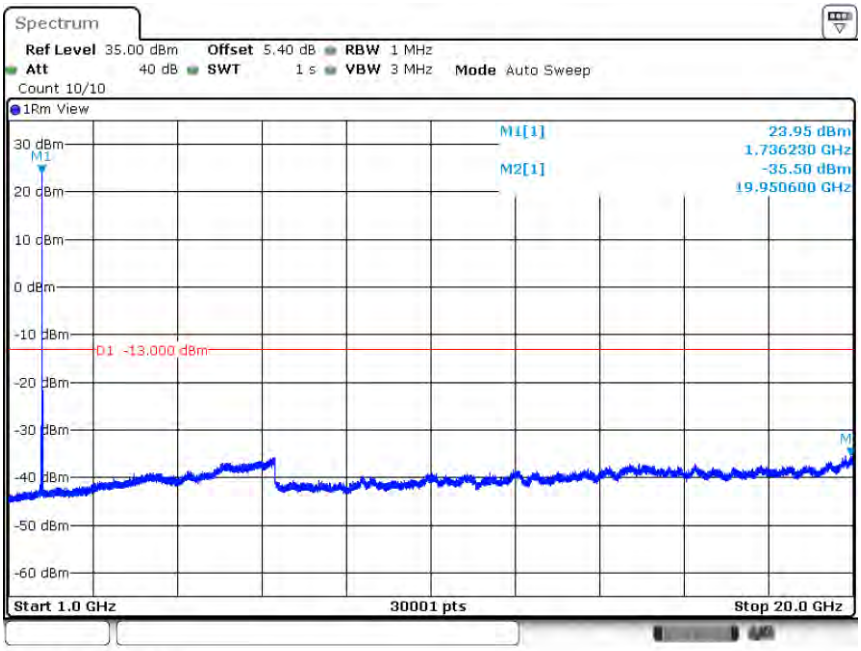
Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz



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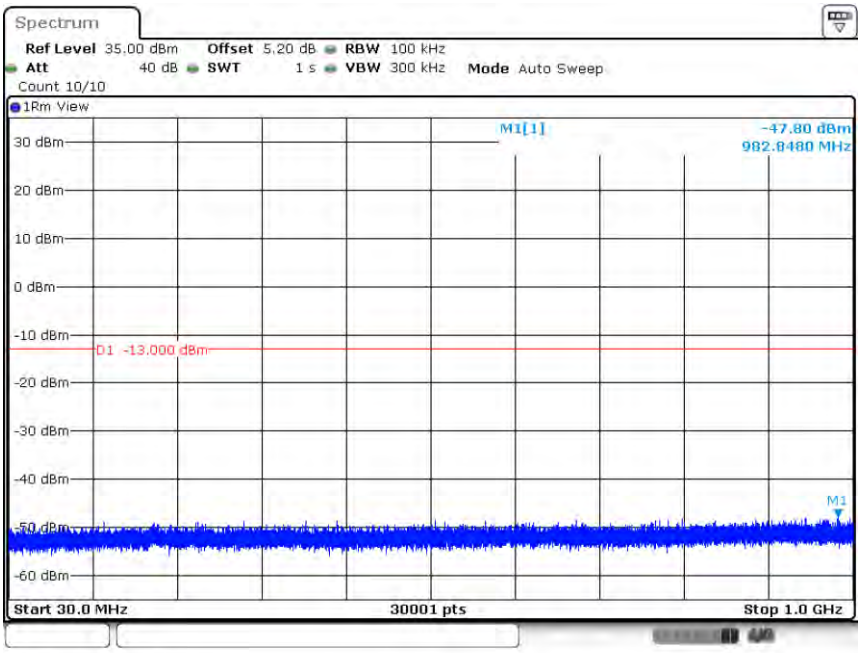
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



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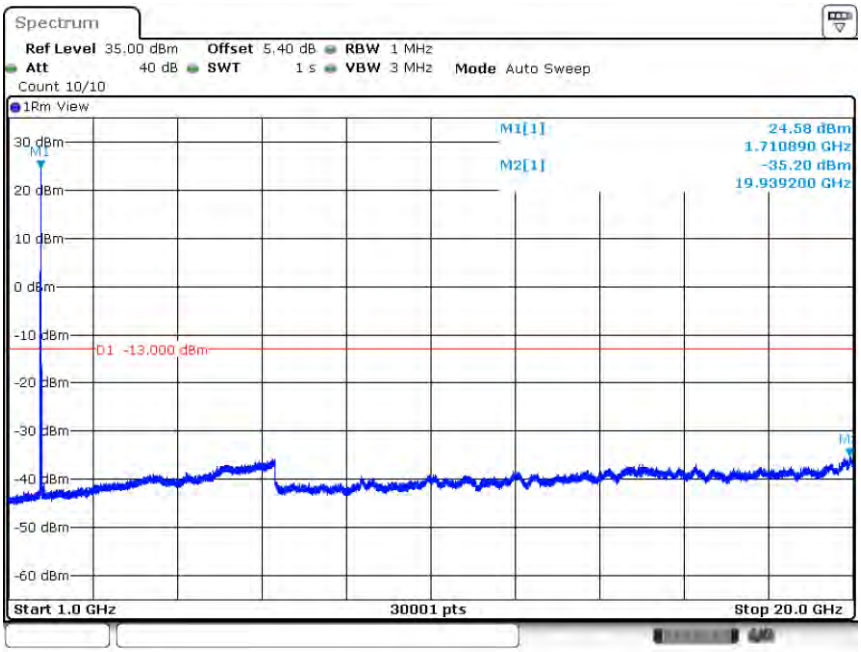
Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 18.DEC.2020 22:24:01

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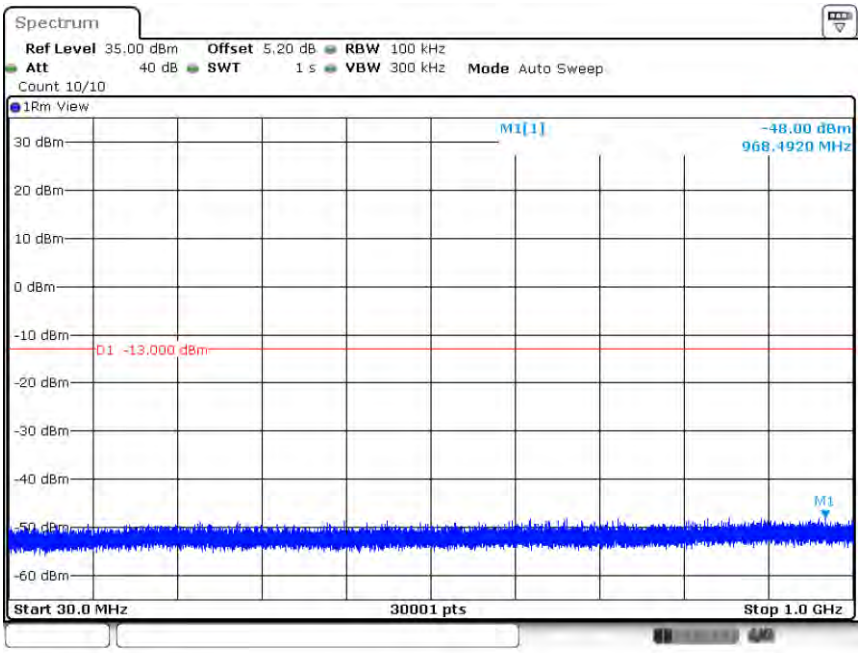

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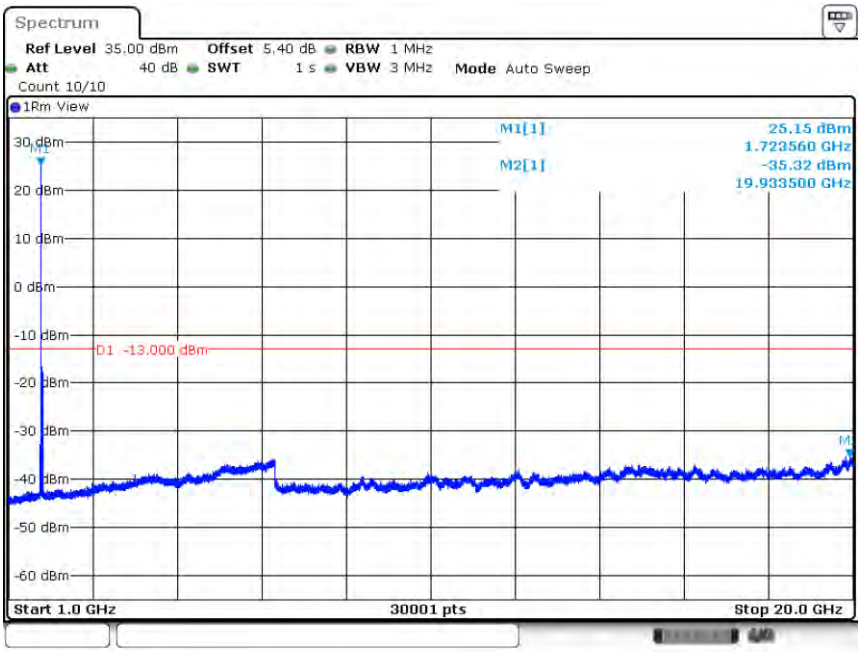
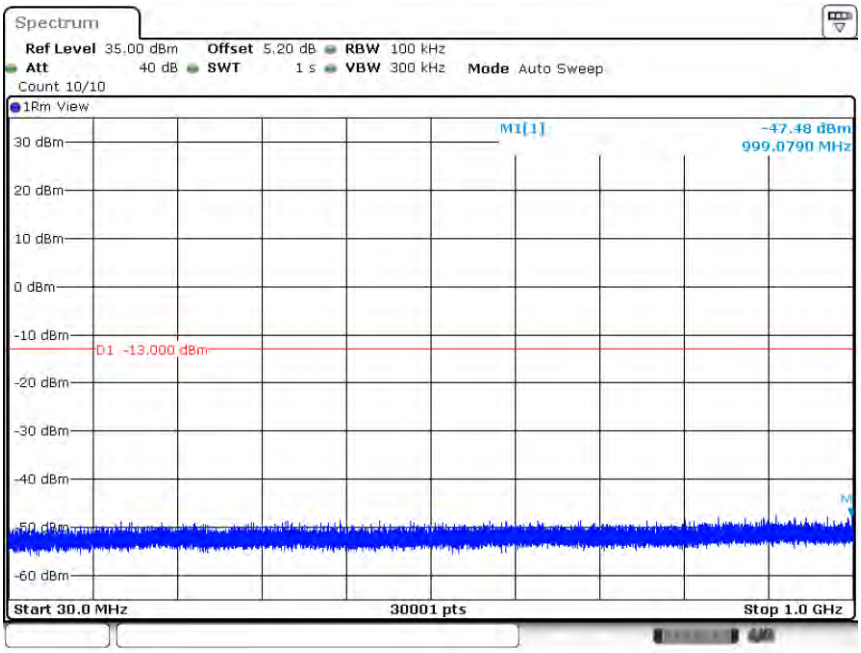
Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 18 DEC 2020 22:25:12

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



Date: 18 DEC 2020 22:26:06

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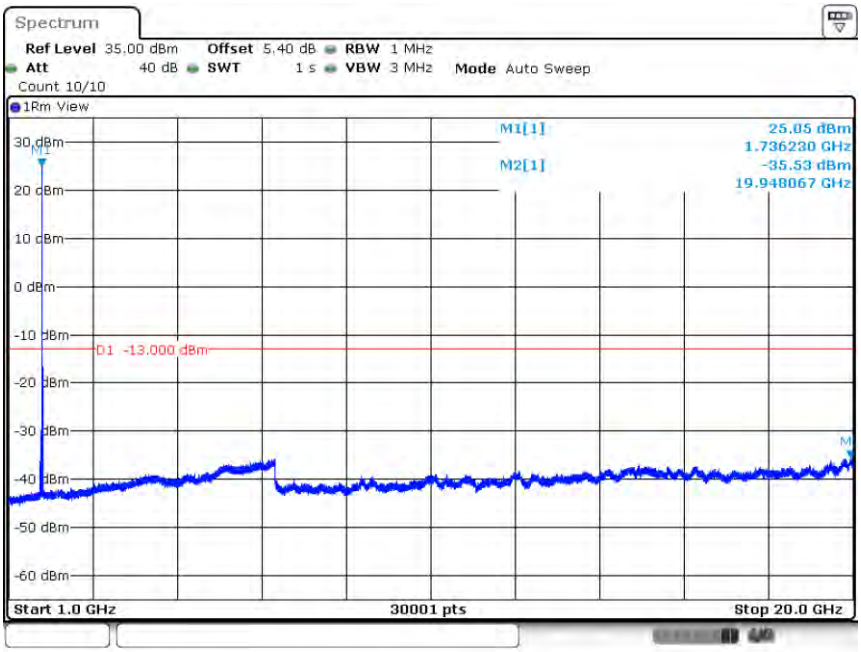
Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



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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 (℃)	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 (℃)	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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