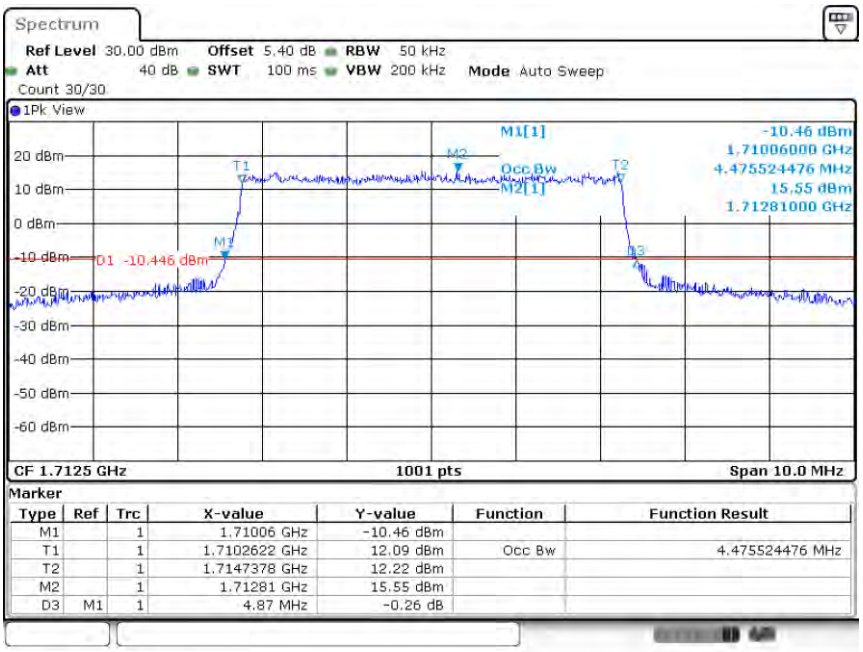
Band66-5MHz-QPSK-131997-25RB#0-4.476

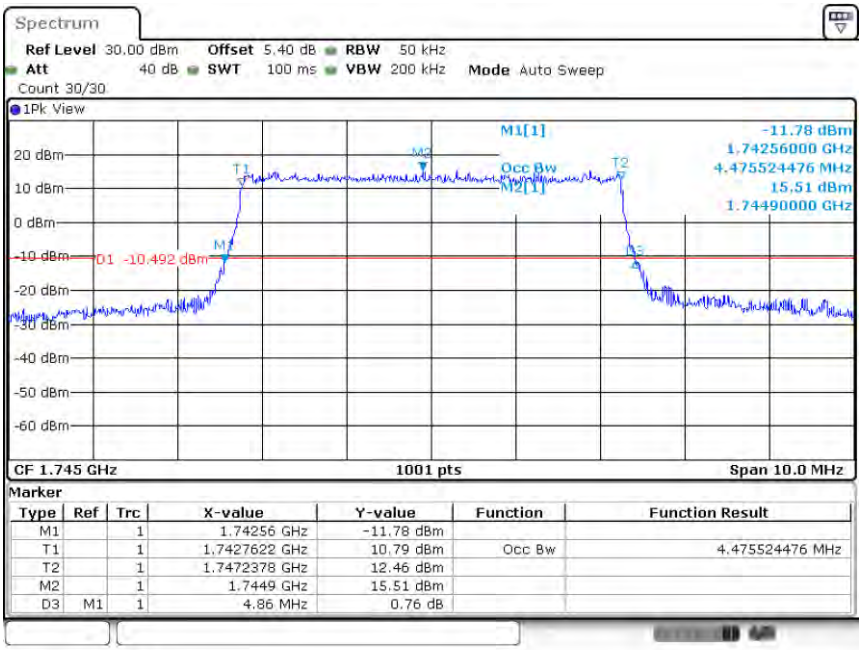


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71006 GHz	-10.46 dBm		
T1		1	1.7102622 GHz	12.09 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7147378 GHz	12.22 dBm		
M2		1	1.71281 GHz	15.55 dBm		
D3	M1	1	4.87 MHz	-0.26 dB		

Date: 14.APR.2021 04:22:38

Band66-5MHz-QPSK-132322-25RB#0-4.476



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74256 GHz	-11.78 dBm		
T1		1	1.7427622 GHz	10.79 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7472378 GHz	12.46 dBm		
M2		1	1.7449 GHz	15.51 dBm		
D3	M1	1	4.86 MHz	0.76 dB		

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

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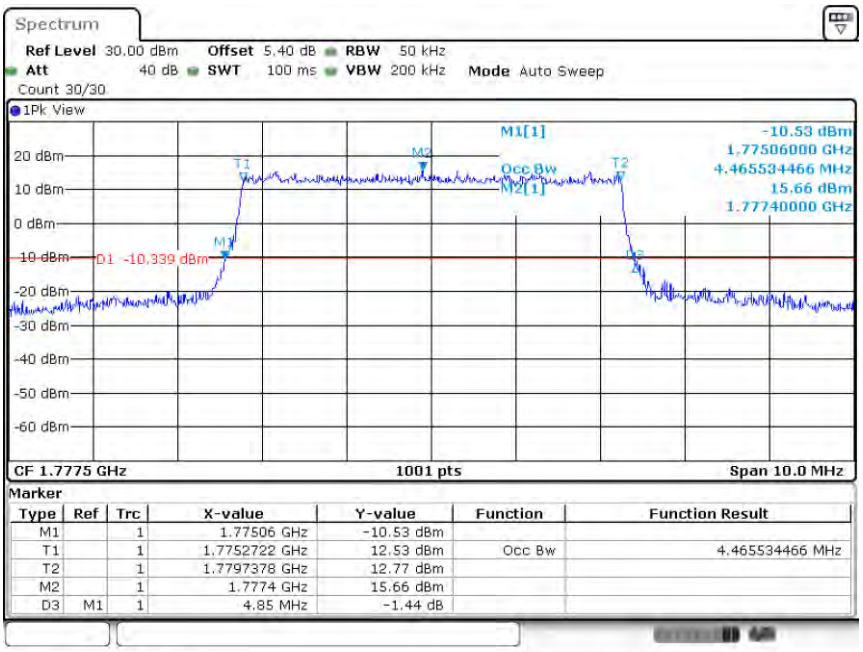
Band66-5MHz-QPSK-132647-25RB#0-4.466



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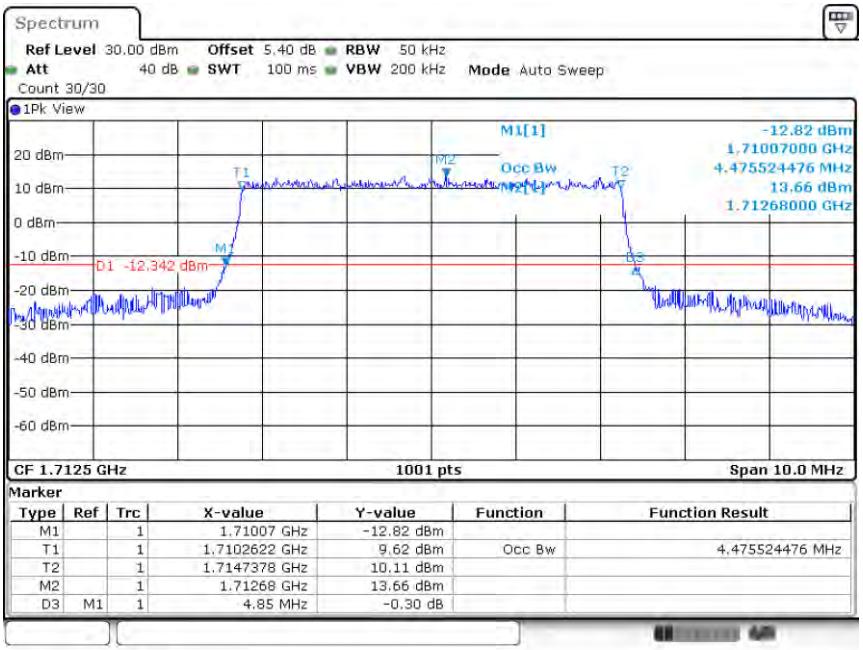
Band66-5MHz-64QAM-131997-25RB#0-4.476



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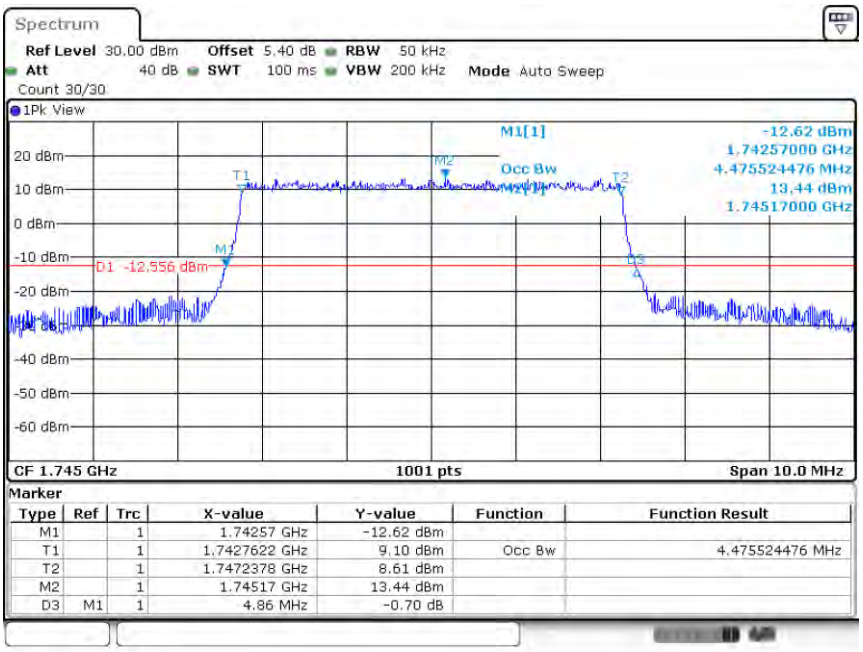
Band66-5MHz-64QAM-132322-25RB#0-4.476



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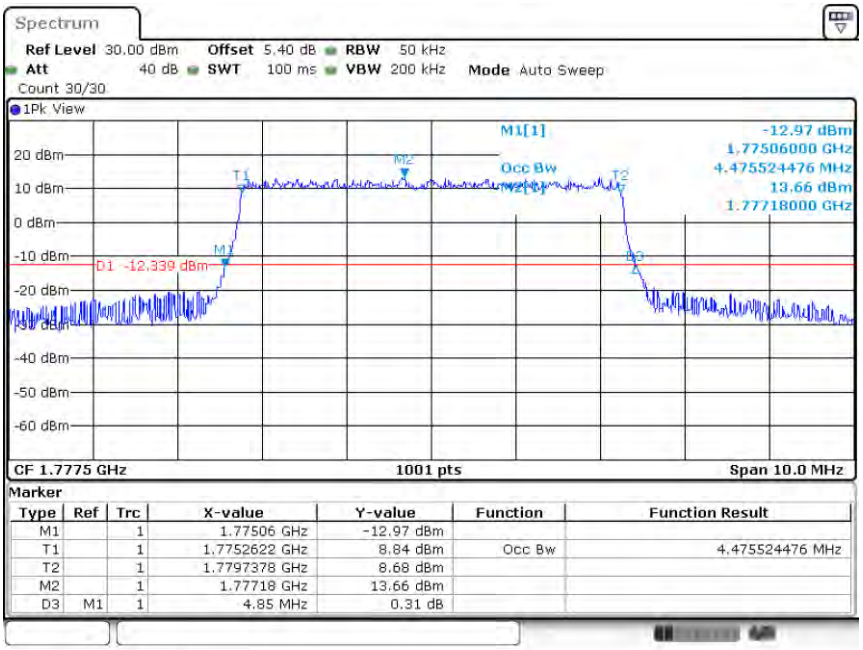
Band66-5MHz-64QAM-132647-25RB#0-4.476



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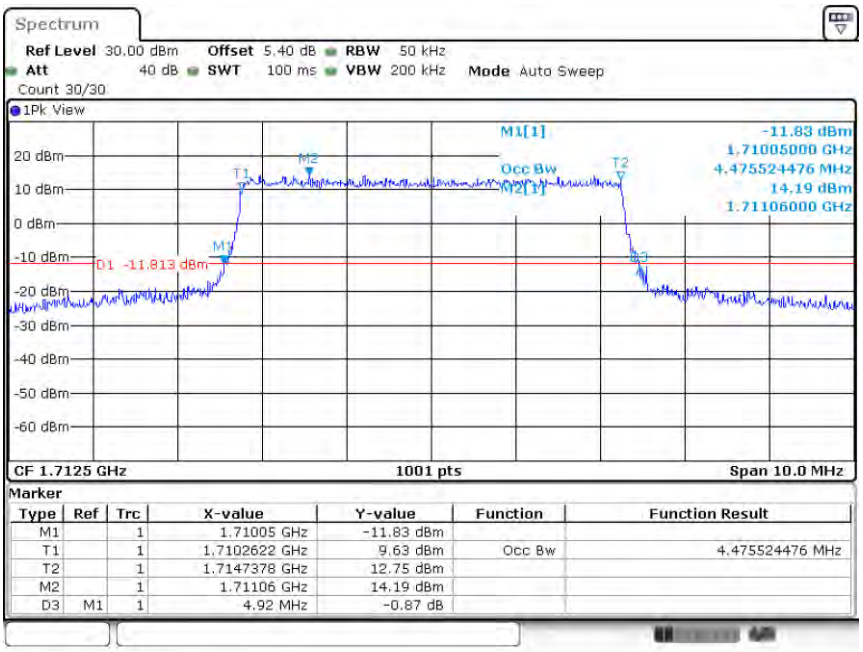
Band66-5MHz-16QAM-131997-25RB#0-4.476

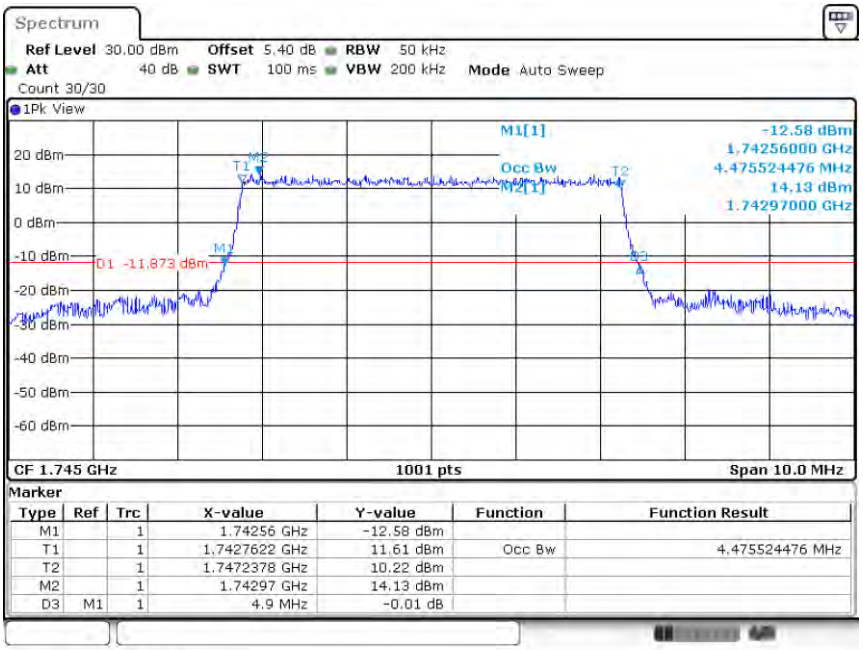


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71005 GHz	-11.83 dBm		
T1		1	1.7102622 GHz	9.63 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7147378 GHz	12.75 dBm		
M2		1	1.71106 GHz	14.19 dBm		
D3	M1	1	4.92 MHz	-0.87 dB		

Date: 14.APR.2021 04:22:51

Band66-5MHz-16QAM-132322-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74256 GHz	-12.58 dBm		
T1		1	1.7427622 GHz	11.61 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7472378 GHz	10.22 dBm		
M2		1	1.74297 GHz	14.13 dBm		
D3	M1	1	4.9 MHz	-0.01 dB		

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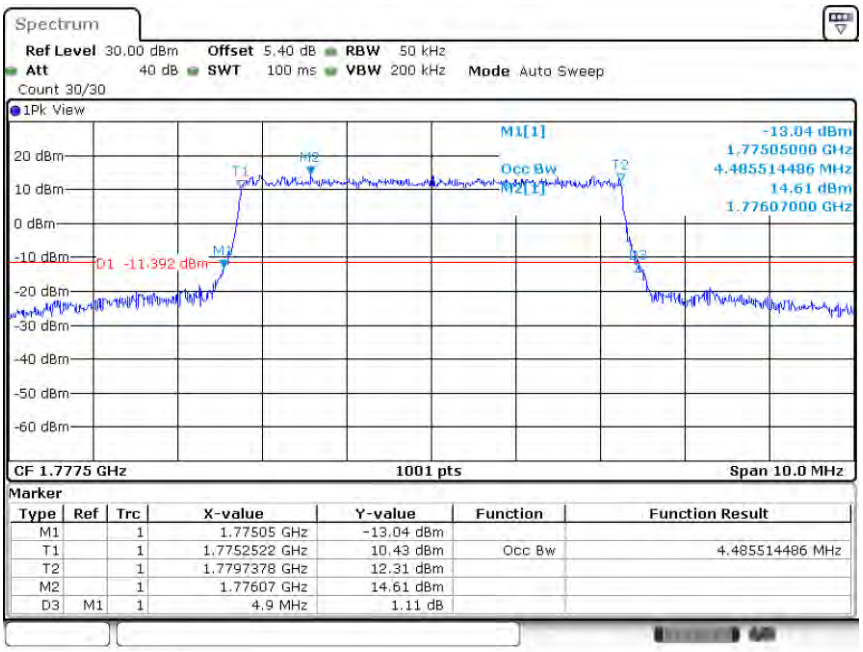
Band66-5MHz-16QAM-132647-25RB#0-4.486



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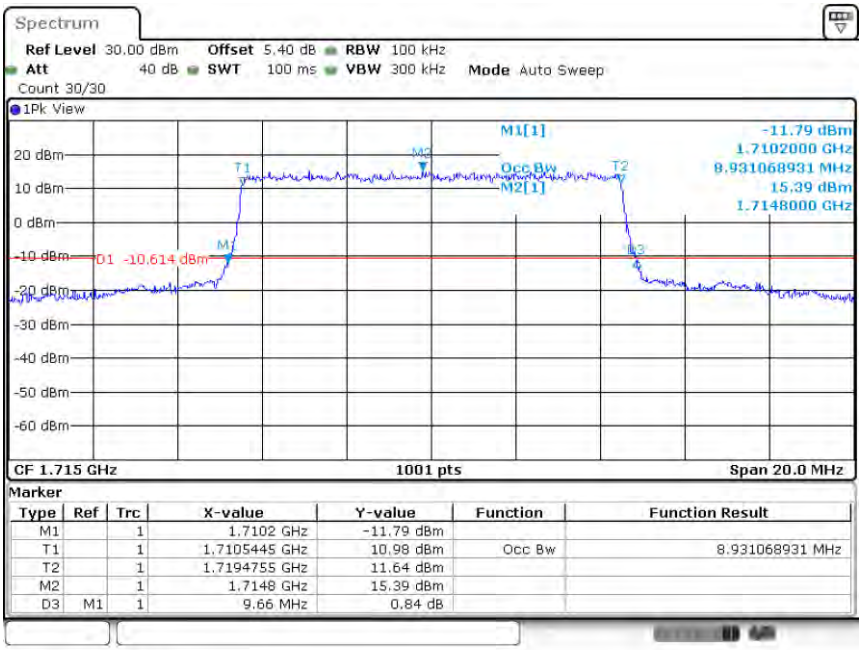
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.77505 GHz	-13.04 dBm		
T1		1	1.7752522 GHz	10.43 dBm	Occ Bw	4.485514486 MHz
T2		1	1.7797378 GHz	12.31 dBm		
M2		1	1.77607 GHz	14.61 dBm		
D3	M1	1	4.9 MHz	1.11 dB		

Date: 14.APR.2021 04:23:43

Band66-10MHz-QPSK-132022-50RB#0-8.931



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7102 GHz	-11.79 dBm		
T1		1	1.7105445 GHz	10.98 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7194755 GHz	11.64 dBm		
M2		1	1.7148 GHz	15.39 dBm		
D3	M1	1	9.66 MHz	0.84 dB		

Date: 14.APR.2021 04:24:01

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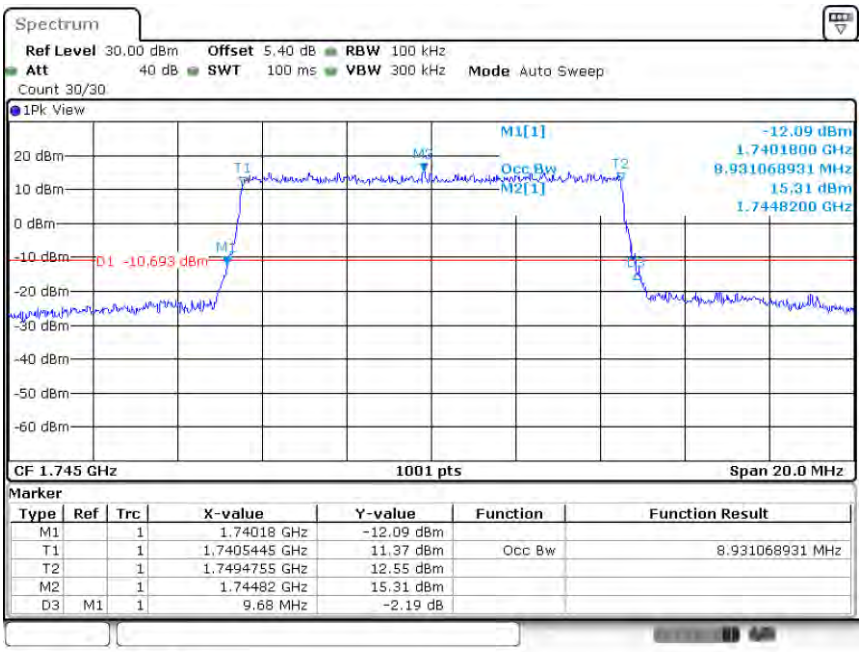
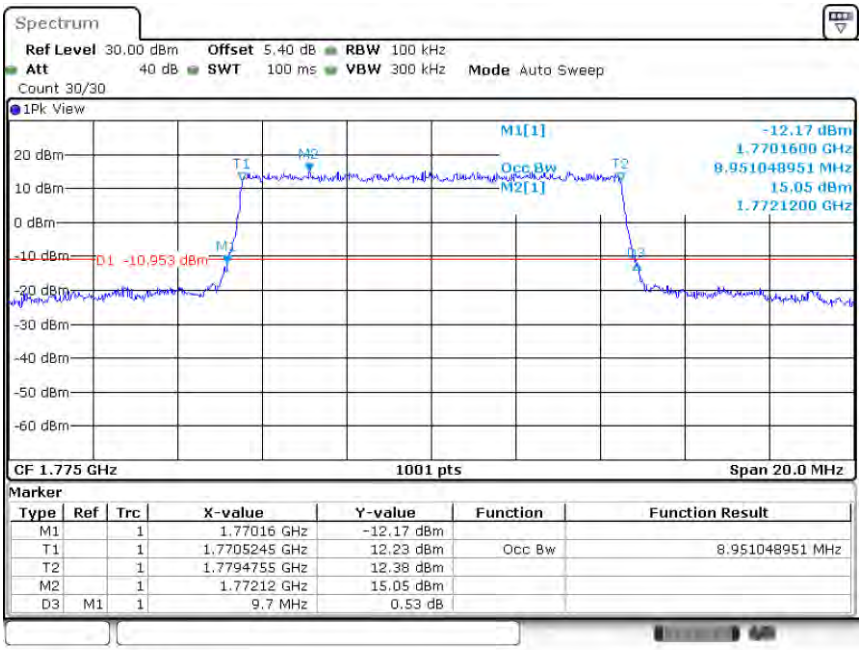
Band66-10MHz-QPSK-132322-50RB#0-8.931



Date: 14.APR.2021 04:24:28

Band66-10MHz-QPSK-132622-50RB#0-8.951



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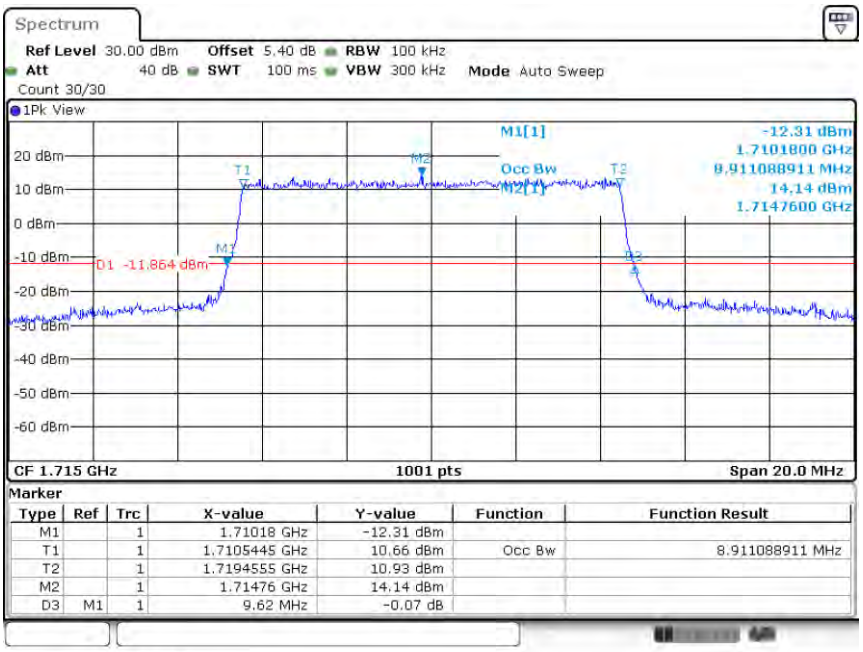

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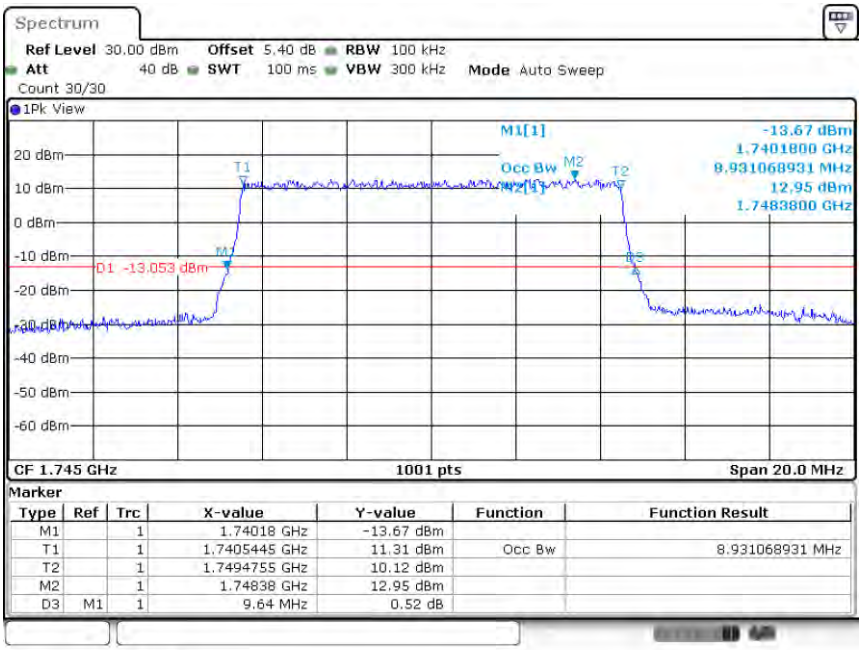
Band66-10MHz-64QAM-132322-50RB#0-8.931



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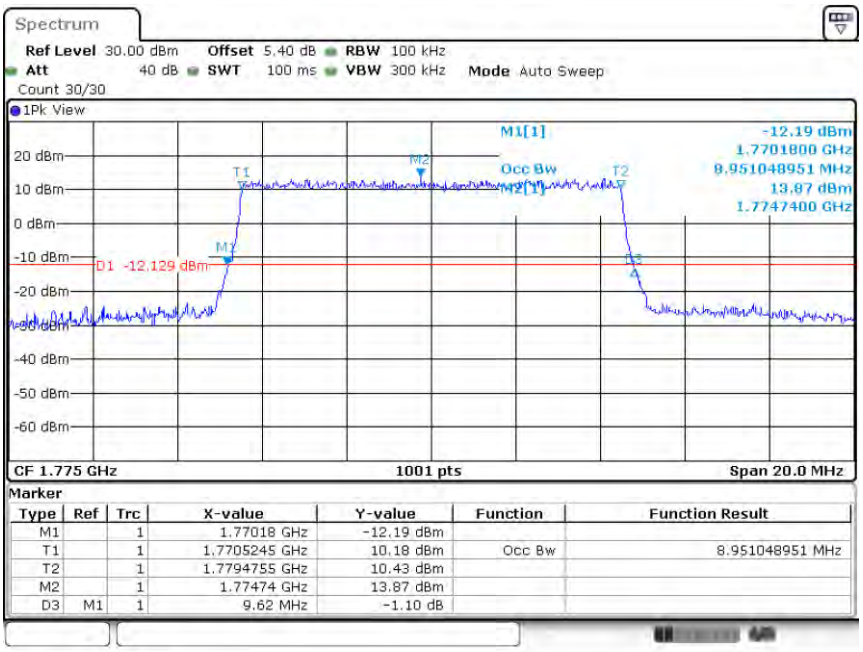
Band66-10MHz-64QAM-132622-50RB#0-8.951



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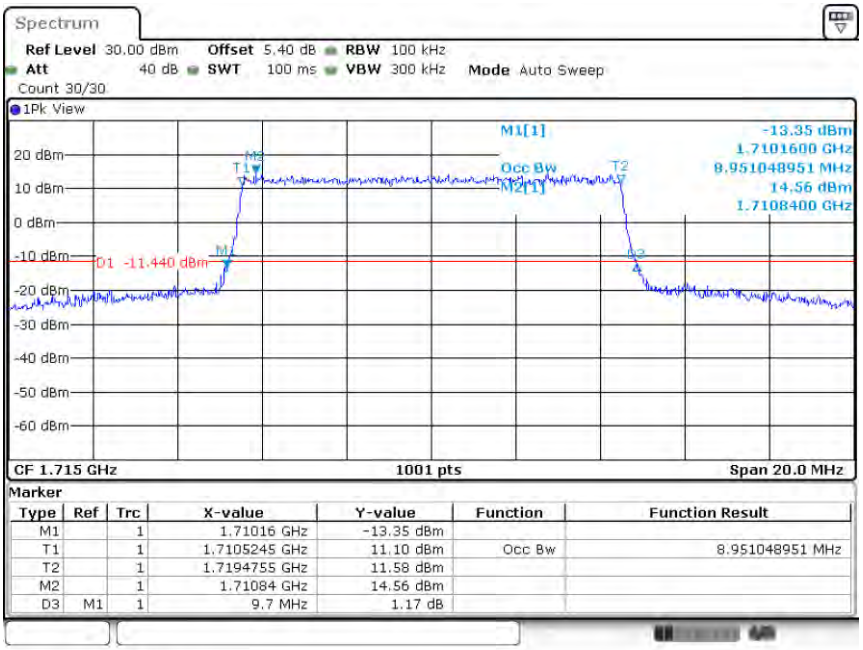
Band66-10MHz-16QAM-132022-50RB#0-8.951



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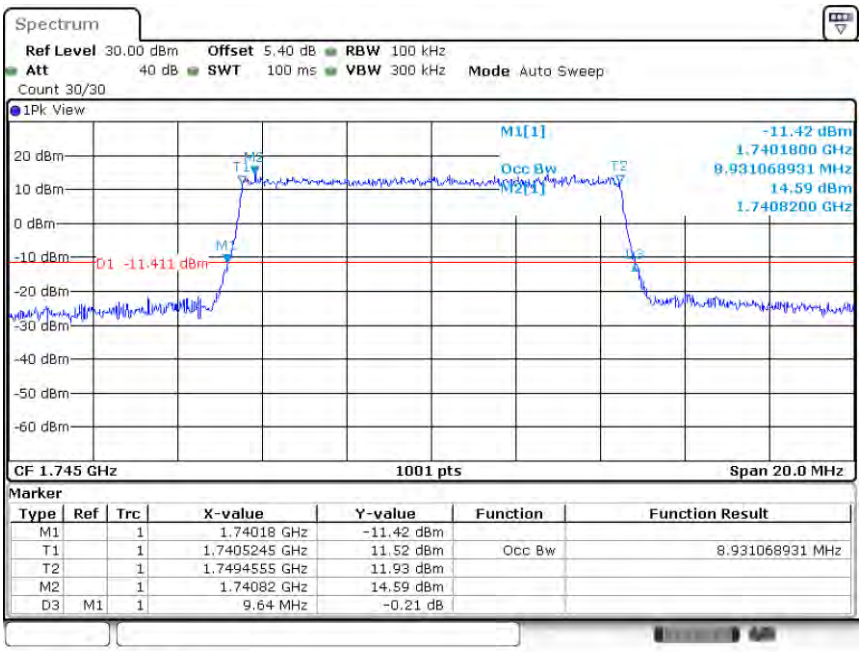

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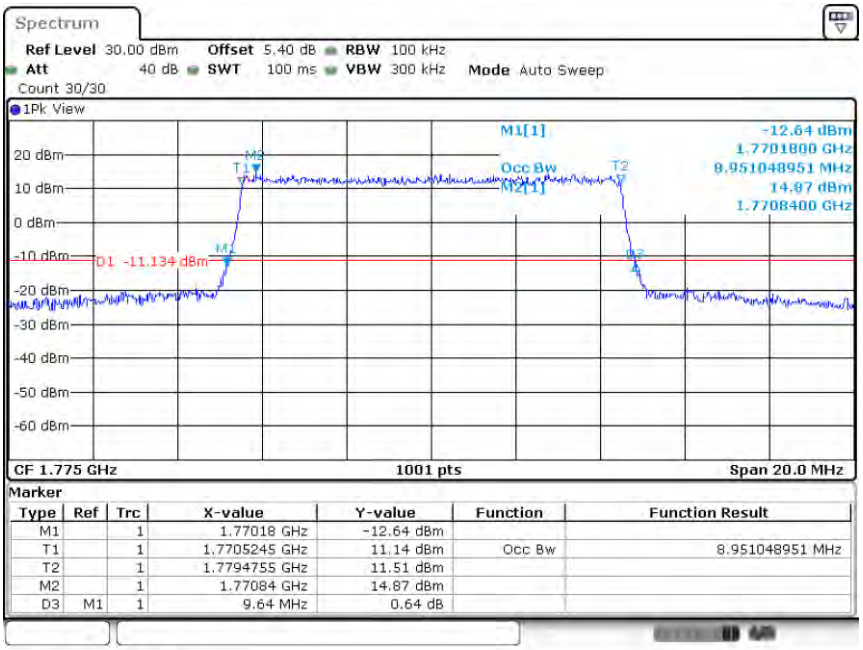
Band66-10MHz-16QAM-132622-50RB#0-8.951



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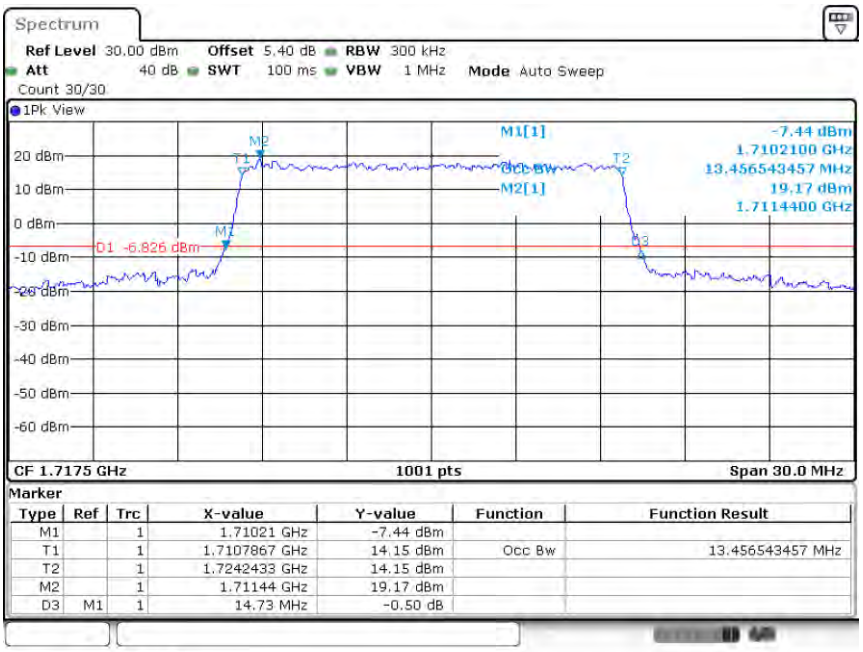
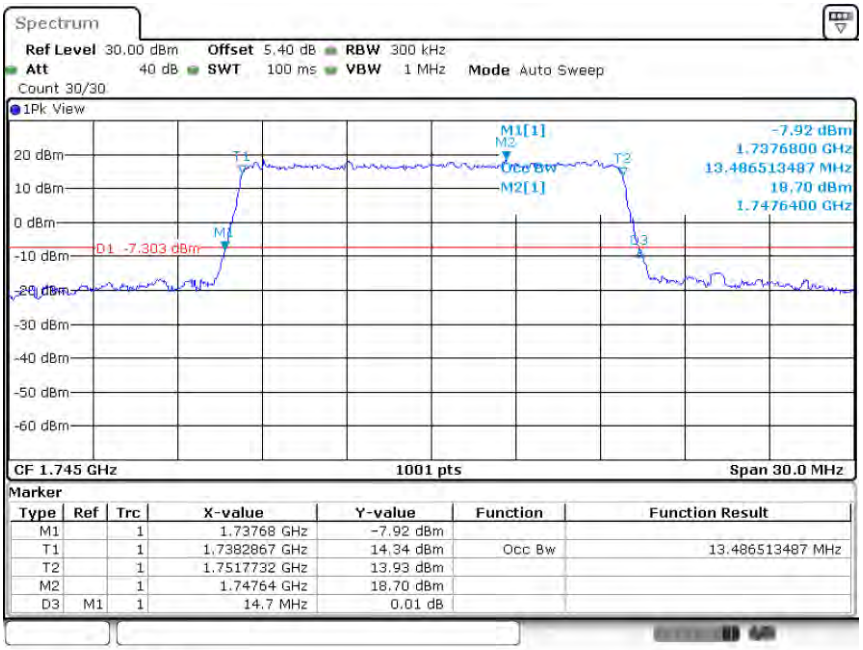
Band66-15MHz-QPSK-132047-75RB#0-13.457



Date: 14.APR.2021 04:25:25

Band66-15MHz-QPSK-132322-75RB#0-13.487



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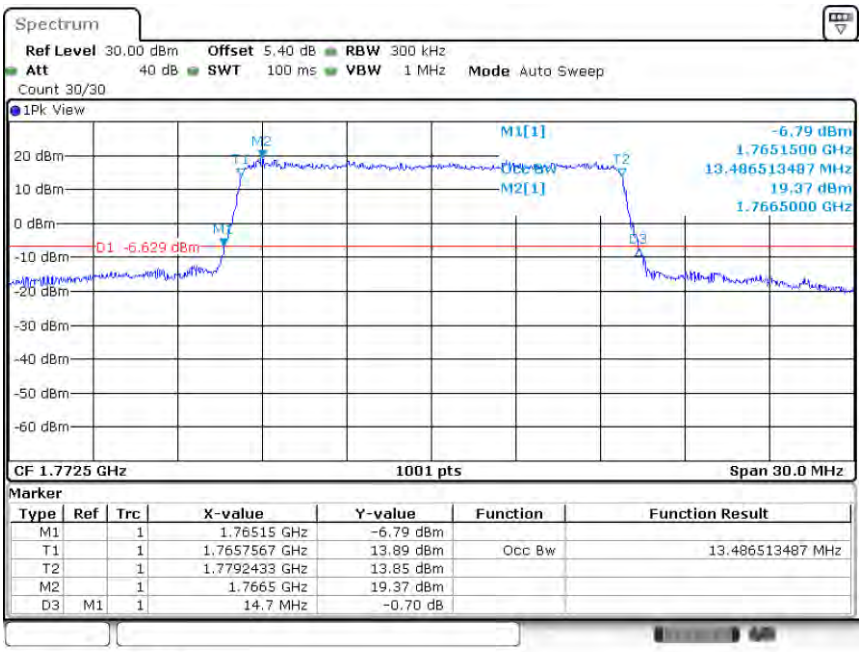
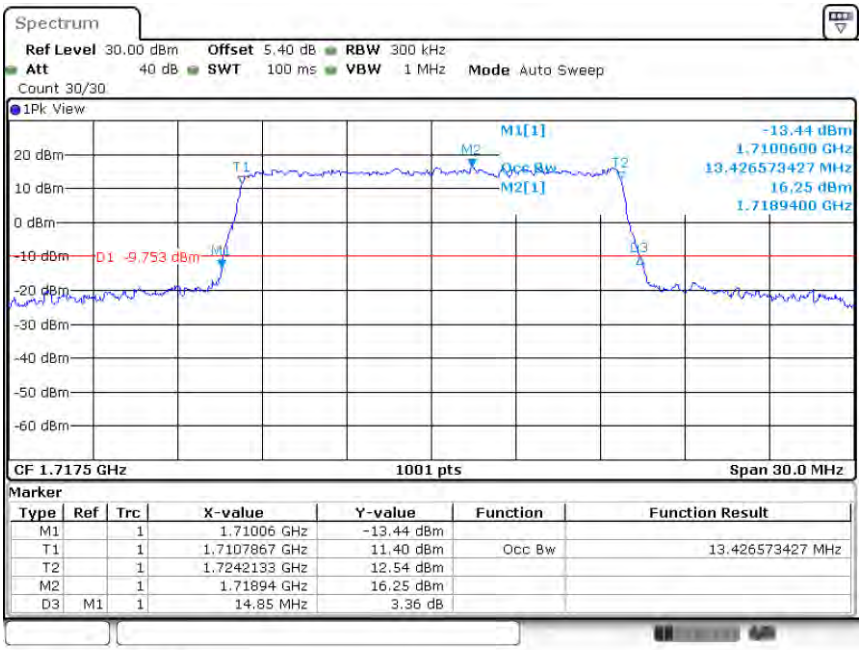
Band66-15MHz-QPSK-132597-75RB#0-13.487



Date: 14.APR.2021 04:26:17

Band66-15MHz-64QAM-132047-75RB#0-13.427



Date: 14.APR.2021 04:58:19

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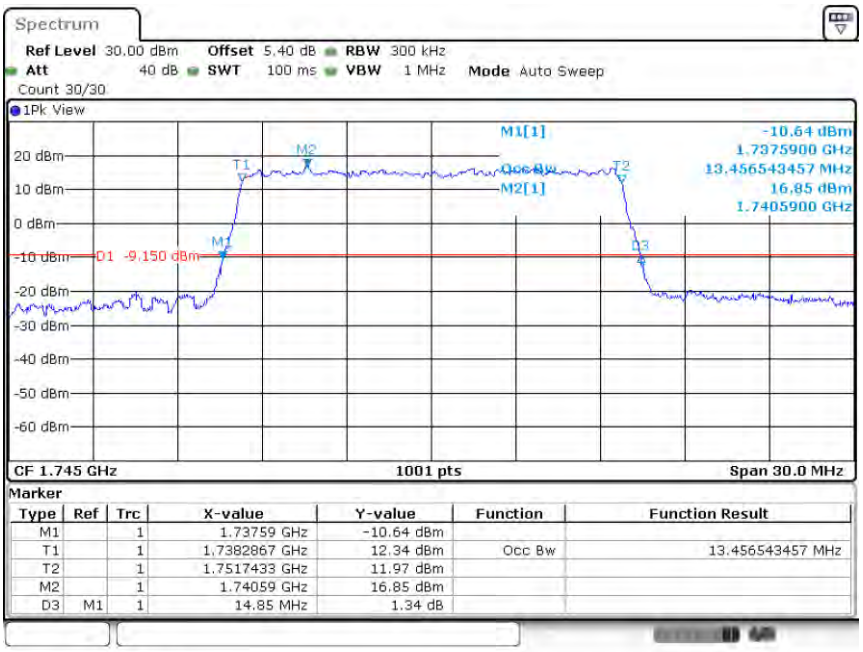
Band66-15MHz-64QAM-132322-75RB#0-13.457



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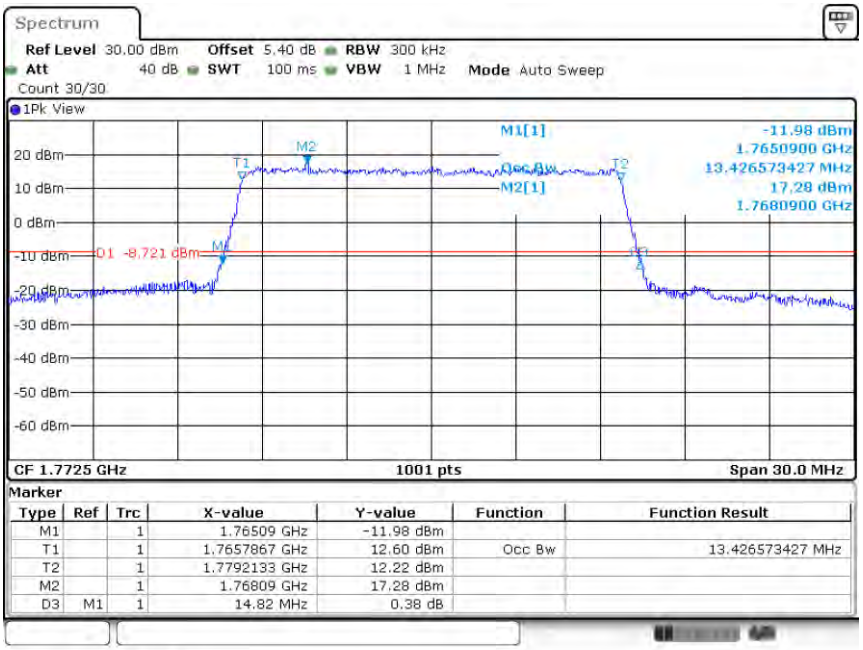
Band66-15MHz-64QAM-132597-75RB#0-13.427



Date: 14.APR.2021 04:58:46

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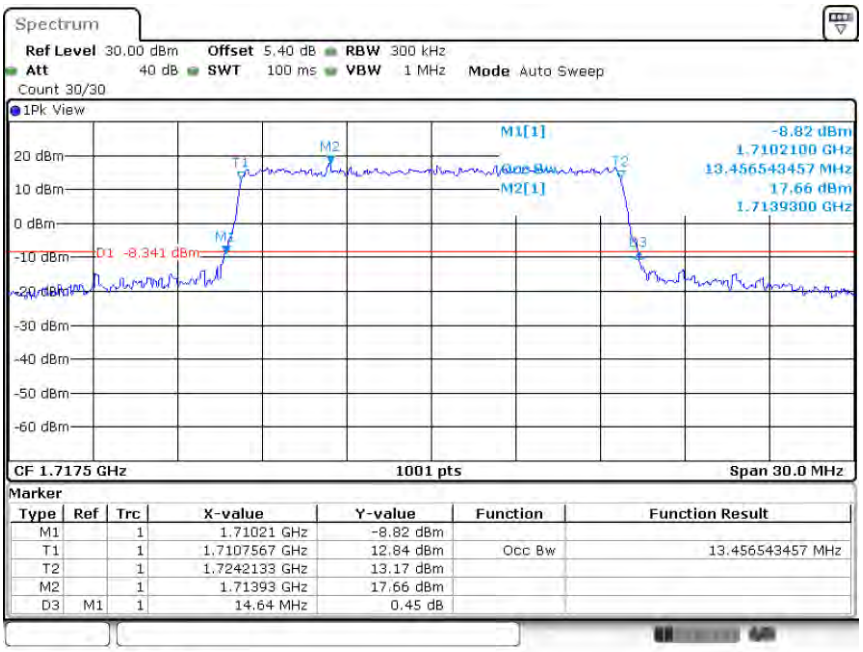
Band66-15MHz-16QAM-132047-75RB#0-13.457



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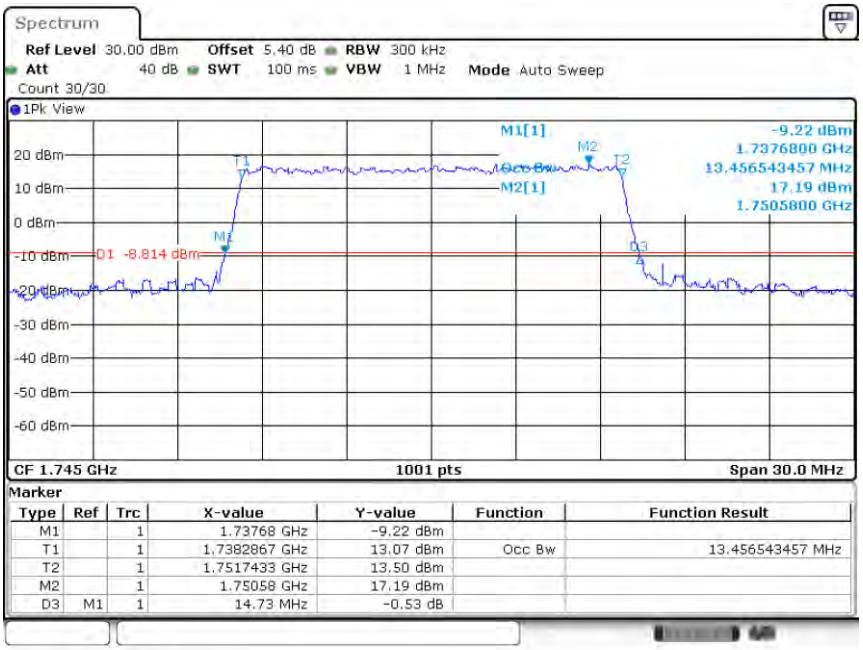
Band66-15MHz-16QAM-132322-75RB#0-13.457



Date: 14.APR.2021 04:26:04

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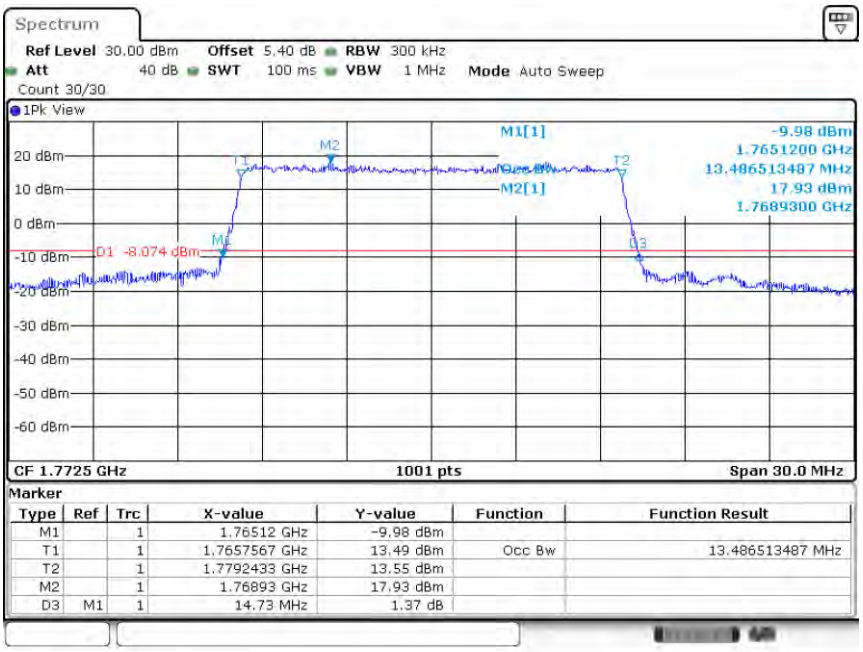
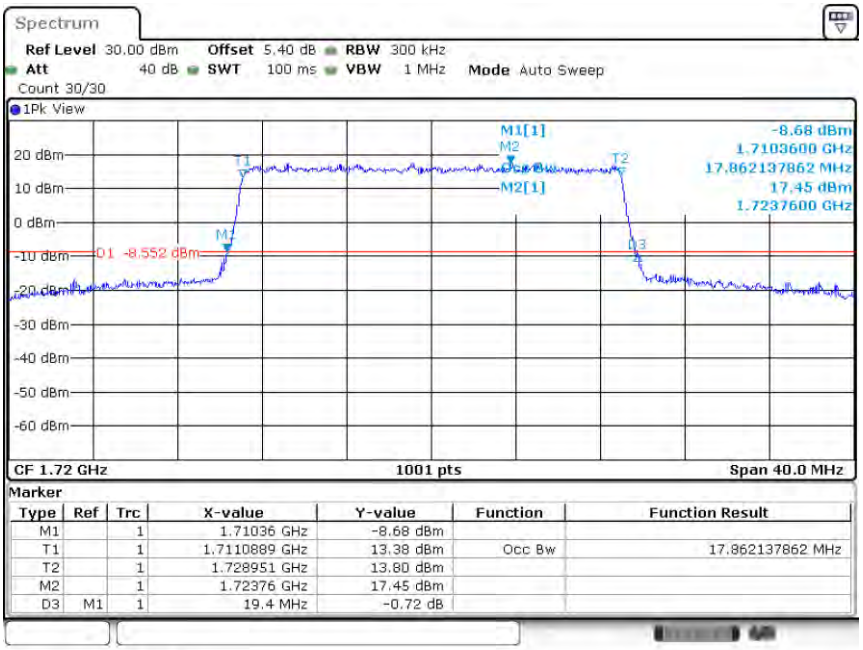


Date: 14.APR.2021 04:26:31

Band66-20MHz-QPSK-132072-100RB#0-17.862



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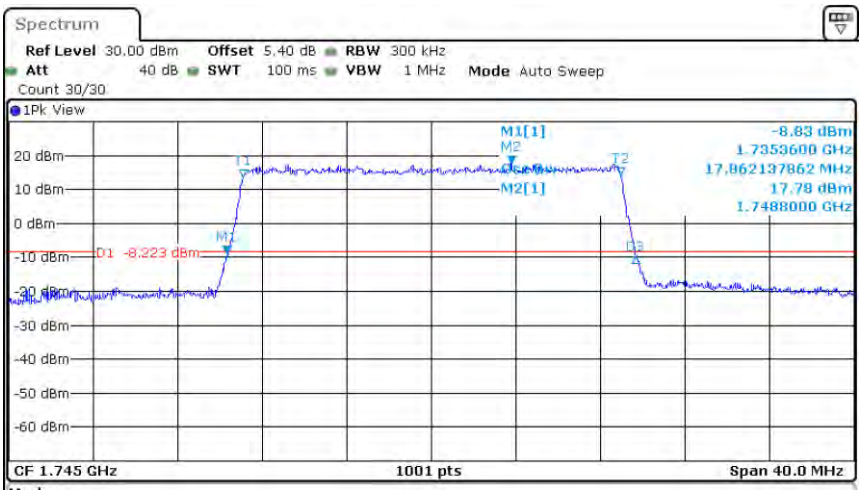
Band66-20MHz-QPSK-132322-100RB#0-17.862



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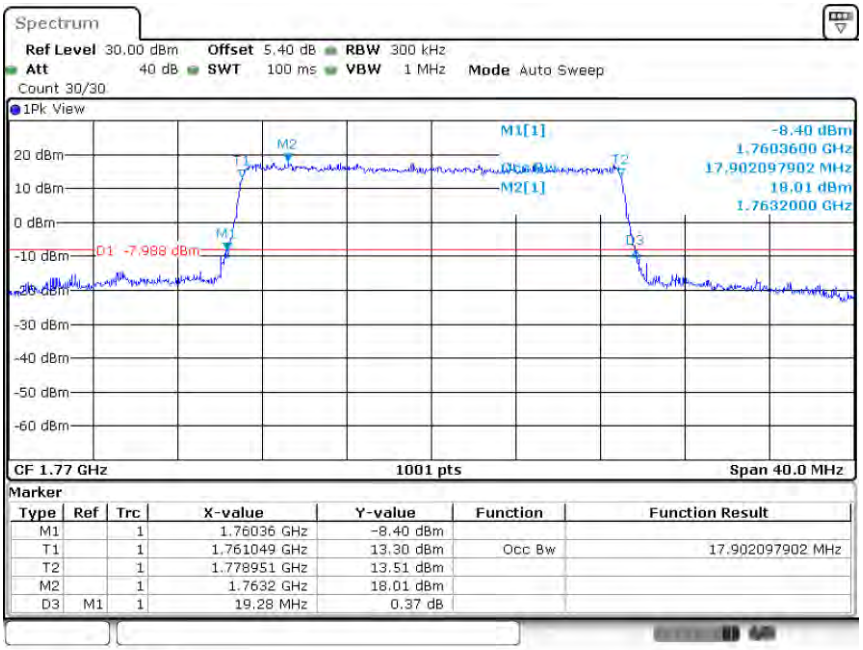
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73536 GHz	-8.83 dBm		
T1		1	1.7360889 GHz	13.59 dBm	Occ Bw	17.862137862 MHz
T2		1	1.753951 GHz	14.13 dBm		
M2		1	1.7488 GHz	17.78 dBm		
D3	M1	1	19.32 MHz	-0.84 dB		

Date: 14.APR.2021 04:27:15

Band66-20MHz-QPSK-132572-100RB#0-17.902



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.76036 GHz	-8.40 dBm		
T1		1	1.761049 GHz	13.30 dBm	Occ Bw	17.902097902 MHz
T2		1	1.778951 GHz	13.51 dBm		
M2		1	1.7632 GHz	18.01 dBm		
D3	M1	1	19.28 MHz	0.37 dB		

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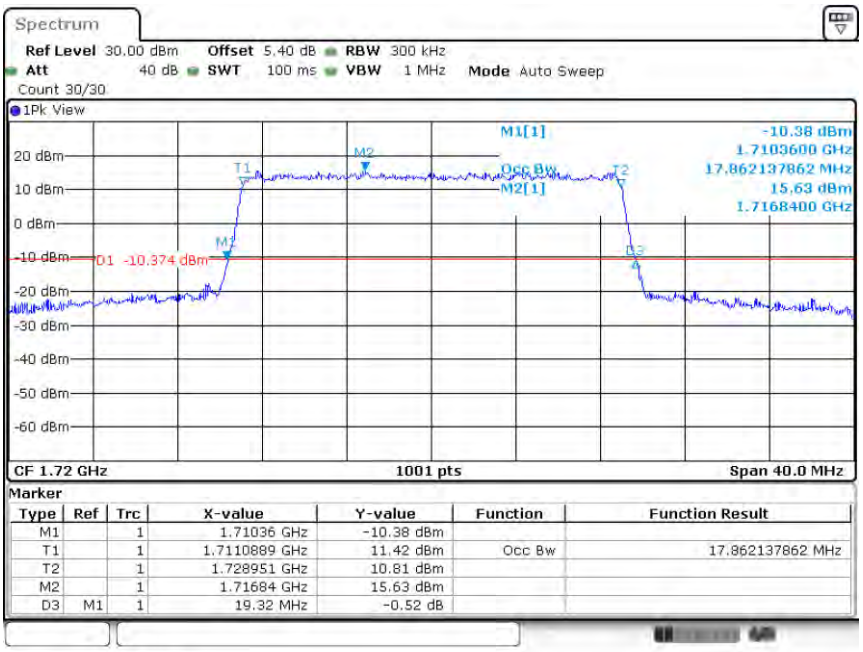
Band66-20MHz-64QAM-132072-100RB#0-17.862



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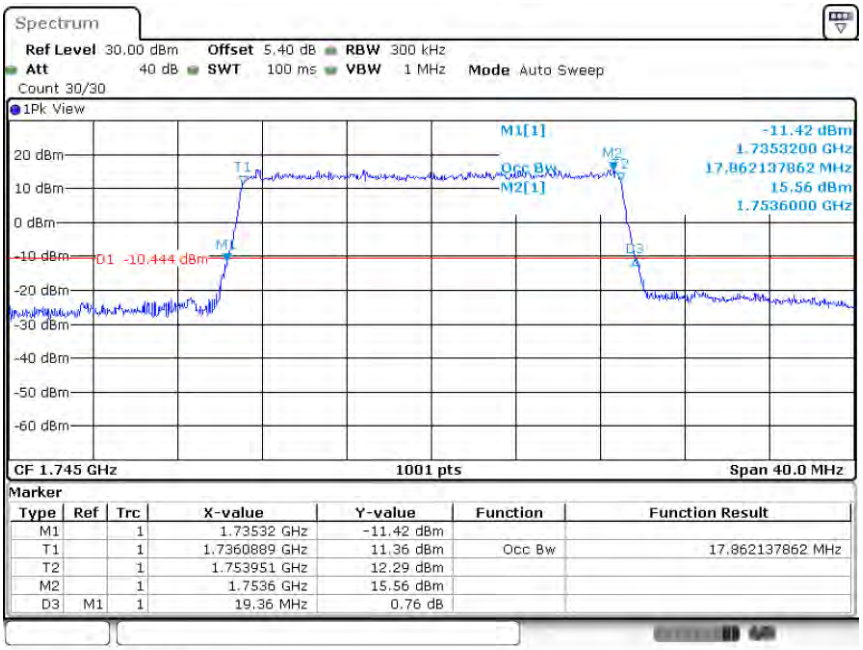
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71036 GHz	-10.38 dBm		
T1		1	1.7110889 GHz	11.42 dBm	Occ Bw	17.862137862 MHz
T2		1	1.728951 GHz	10.81 dBm		
M2		1	1.71684 GHz	15.63 dBm		
D3	M1	1	19.32 MHz	-0.52 dB		

Date: 14.APR.2021 04:59:03

Band66-20MHz-64QAM-132322-100RB#0-17.862



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73532 GHz	-11.42 dBm		
T1		1	1.7360889 GHz	11.36 dBm	Occ Bw	17.862137862 MHz
T2		1	1.753951 GHz	12.29 dBm		
M2		1	1.7536 GHz	15.56 dBm		
D3	M1	1	19.36 MHz	0.76 dB		

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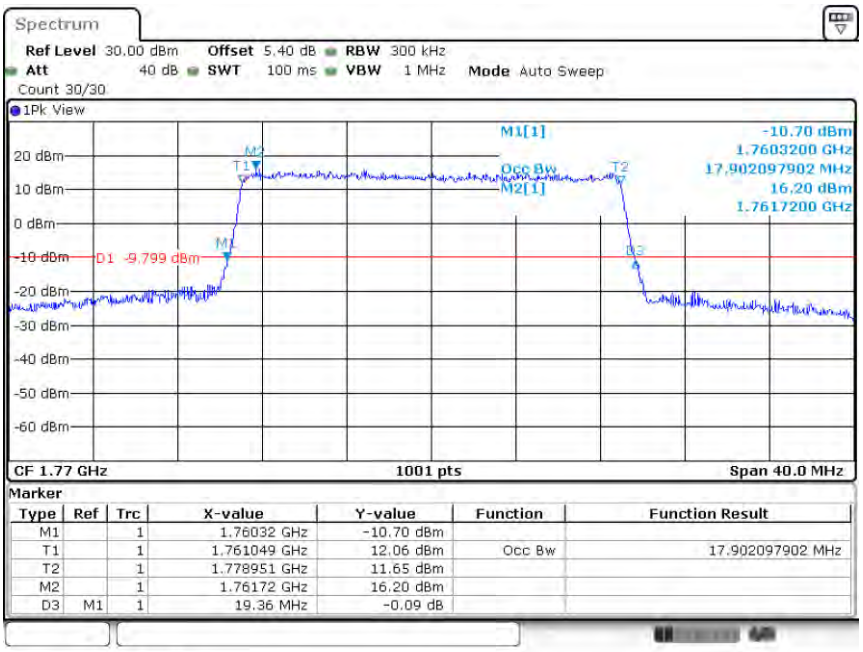
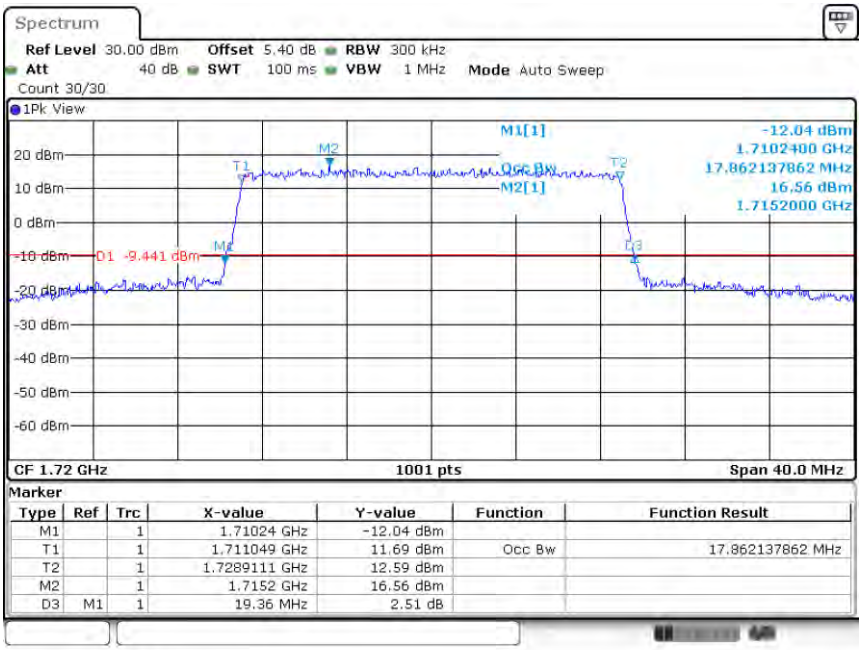
Band66-20MHz-64QAM-132572-100RB#0-17.902



Date: 14.APR.2021 04:59:30

Band66-20MHz-16QAM-132072-100RB#0-17.862



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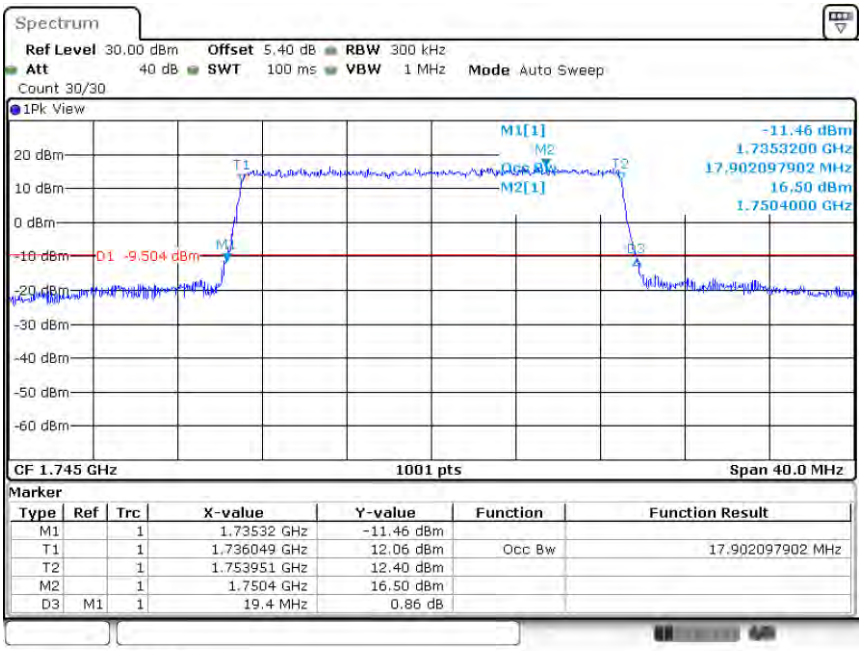
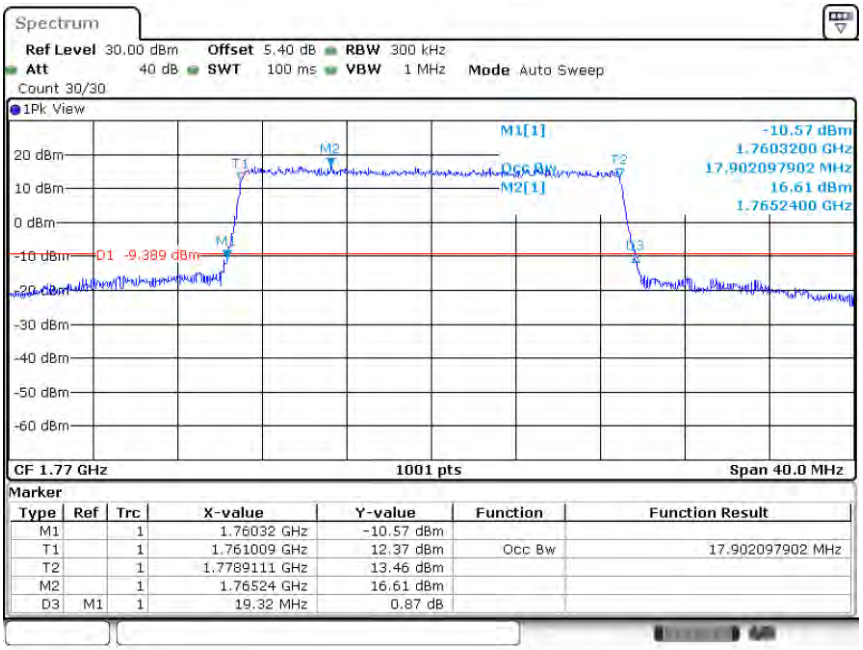


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73532 GHz	-11.46 dBm		
T1		1	1.736049 GHz	12.06 dBm	Occ Bw	17.902097902 MHz
T2		1	1.753951 GHz	12.40 dBm		
M2		1	1.7504 GHz	16.50 dBm		
D3	M1	1	19.4 MHz	0.86 dB		

Date: 14.APR.2021 04:27:28

Band66-20MHz-16QAM-132572-100RB#0-17.902



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.76032 GHz	-10.57 dBm		
T1		1	1.761009 GHz	12.37 dBm	Occ Bw	17.902097902 MHz
T2		1	1.7789111 GHz	13.46 dBm		
M2		1	1.76524 GHz	16.61 dBm		
D3	M1	1	19.32 MHz	0.87 dB		

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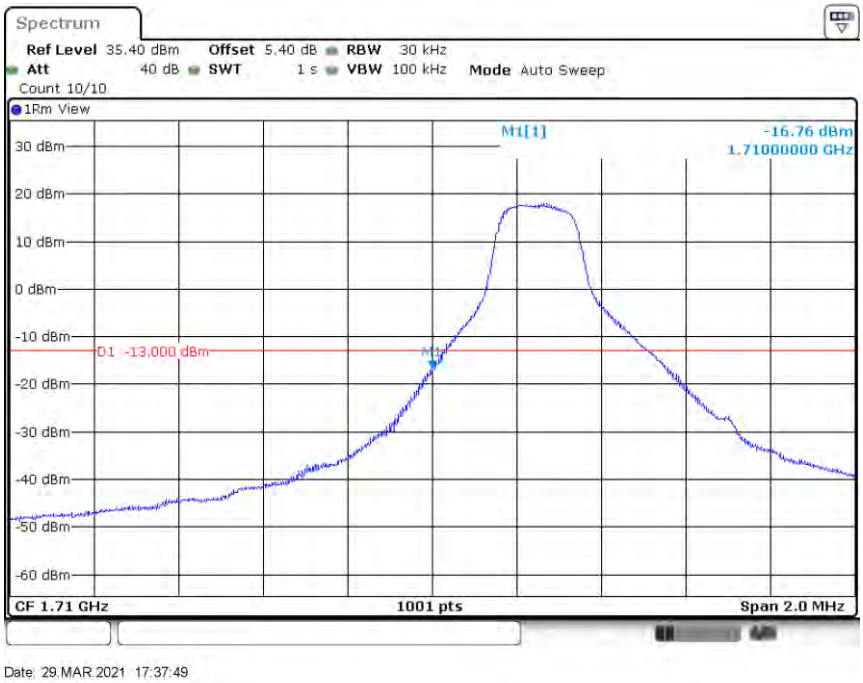
5. Band Edge Compliance

5.1. Test Plots

Band66-1.4MHz-QPSK-131979-1RB#0



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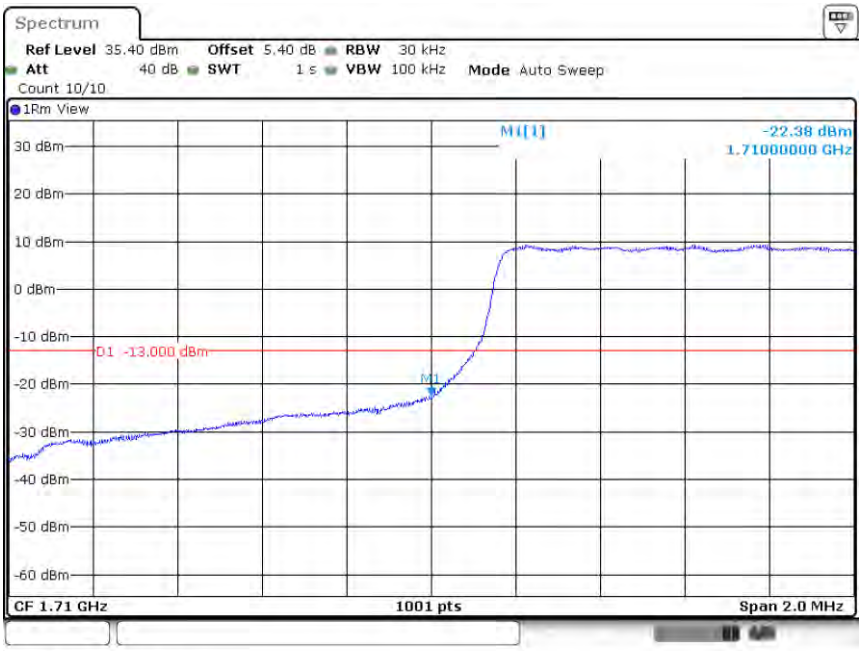
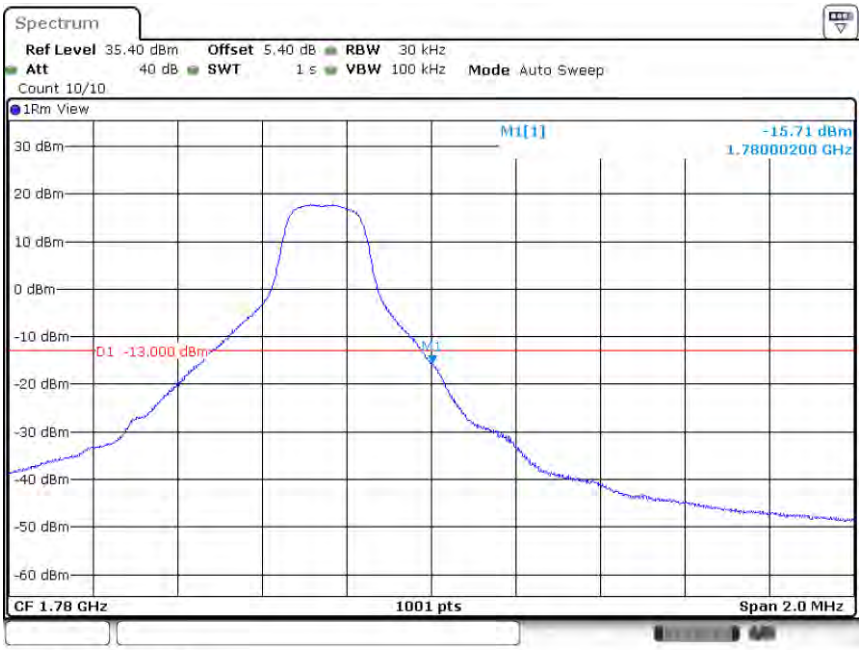
Band66-1.4MHz-QPSK-131979-6RB#0



Date: 29.MAR.2021 17:38:31

Band66-1.4MHz-QPSK-132665-1RB#5



Date: 29.MAR.2021 17:39:16

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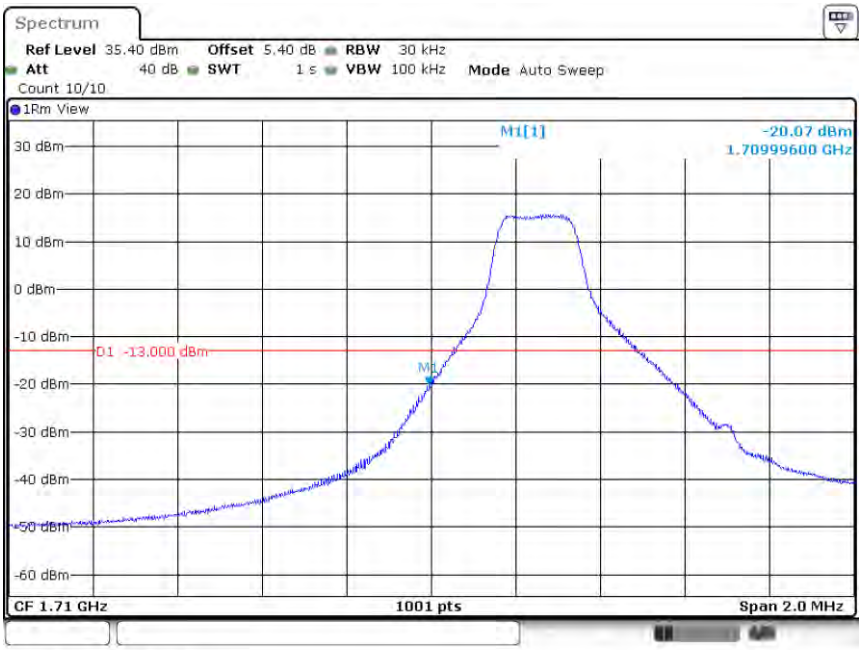
Band66-1.4MHz-QPSK-132665-6RB#0

Date: 29.MAR.2021 17:39:58

Band66-1.4MHz-64QAM-131979-1RB#0



Date: 29.MAR.2021 18:25:20

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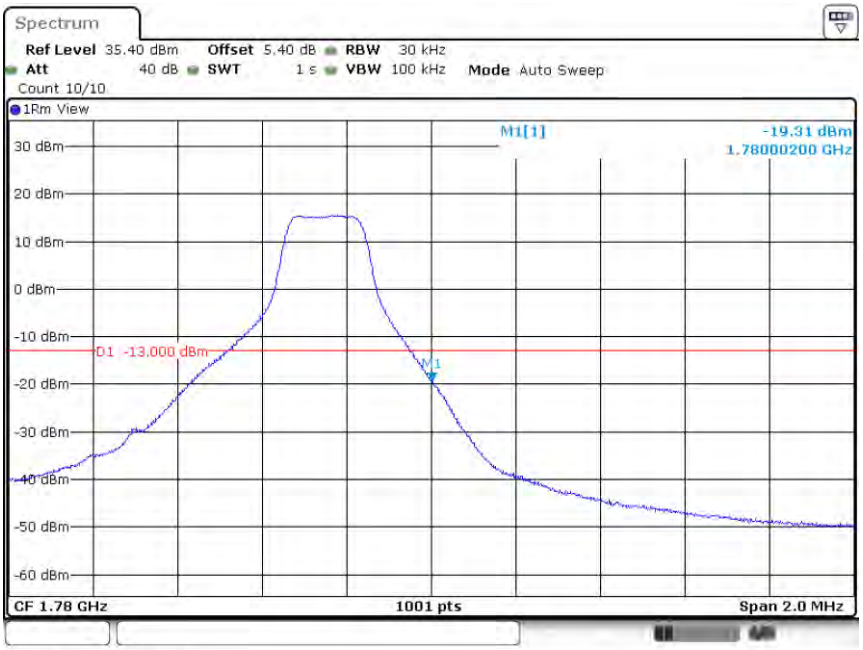
Band66-1.4MHz-64QAM-131979-6RB#0

Date: 29.MAR.2021 18:25:41

Band66-1.4MHz-64QAM-132665-1RB#5



Date: 29.MAR.2021 18:26:07

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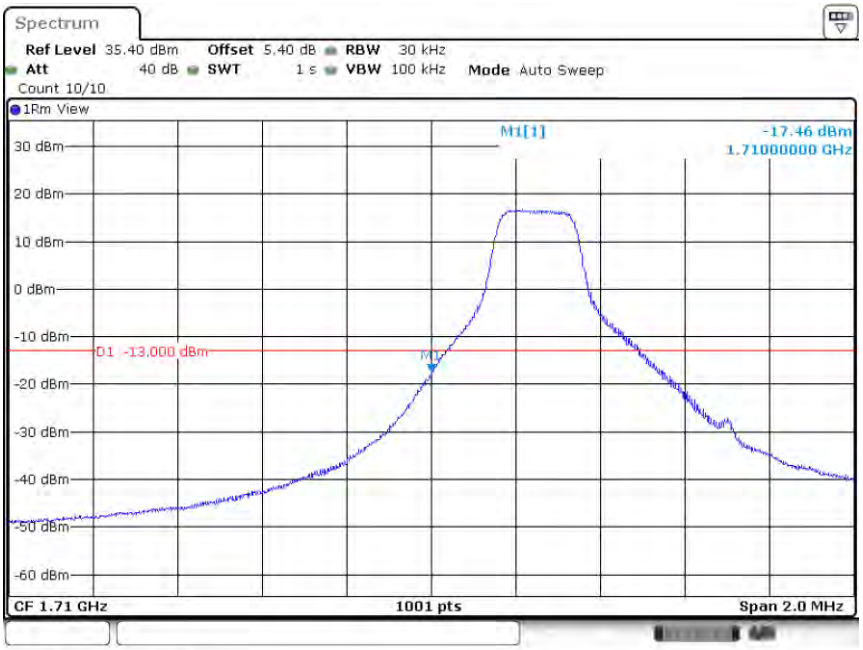
Band66-1.4MHz-64QAM-132665-6RB#0

Date: 29.MAR.2021 18:26:27

Band66-1.4MHz-16QAM-131979-1RB#0



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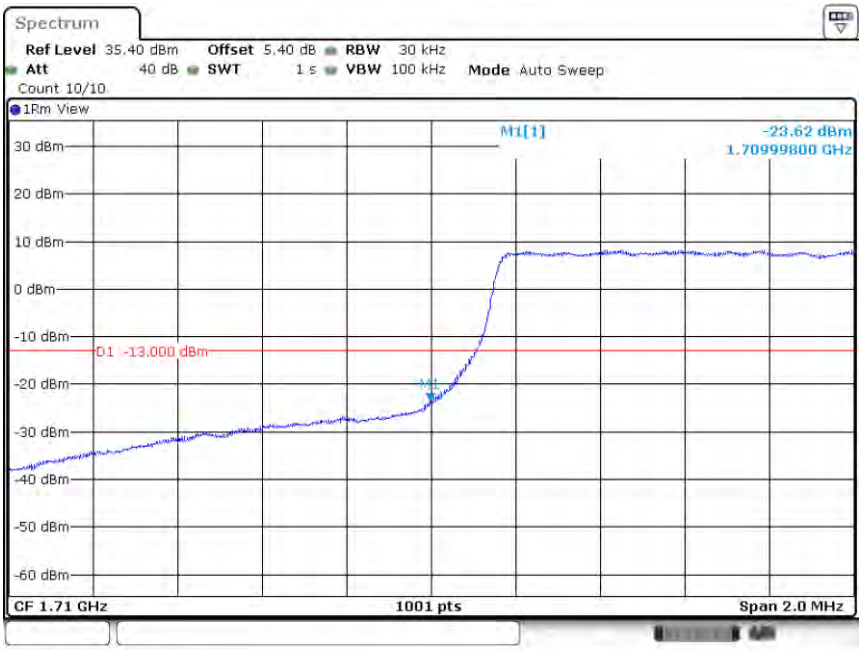
Band66-1.4MHz-16QAM-131979-6RB#0



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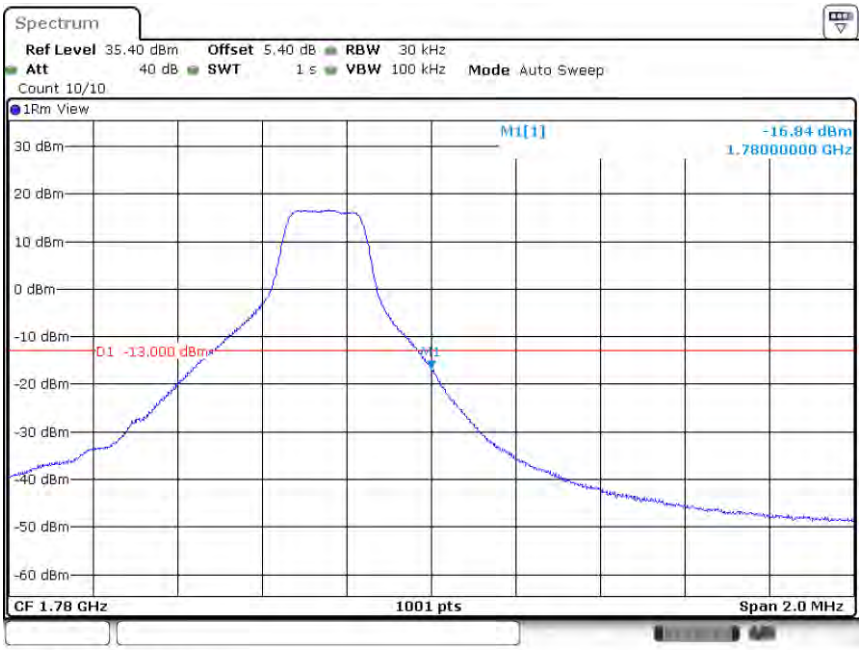
Band66-1.4MHz-16QAM-132665-1RB#5



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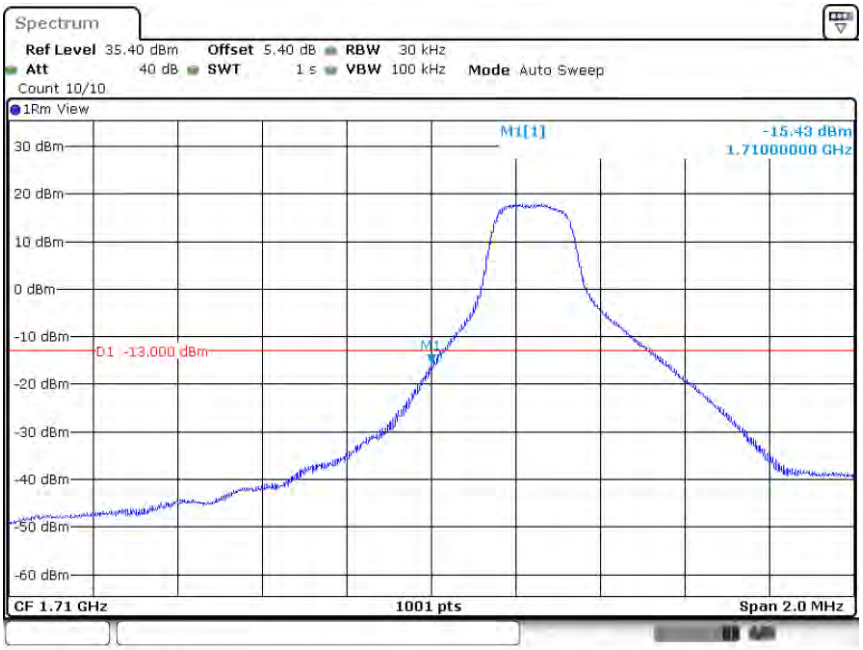
Band66-1.4MHz-16QAM-132665-6RB#0

Date: 29.MAR.2021 17:40:19

Band66-3MHz-QPSK-131987-1RB#0



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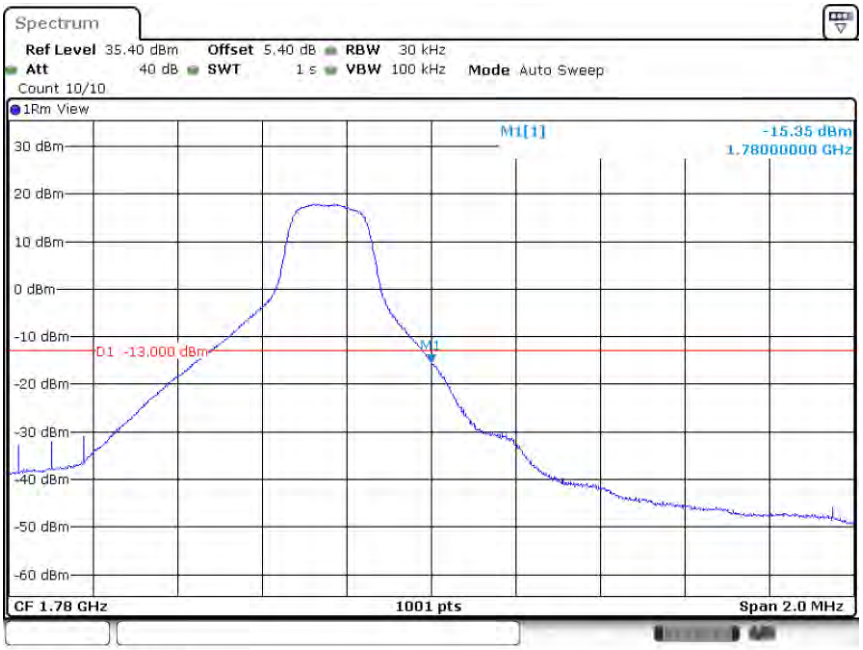
Band66-3MHz-QPSK-131987-15RB#0

Date: 14.APR.2021 04:29:01

Band66-3MHz-QPSK-132657-1RB#14



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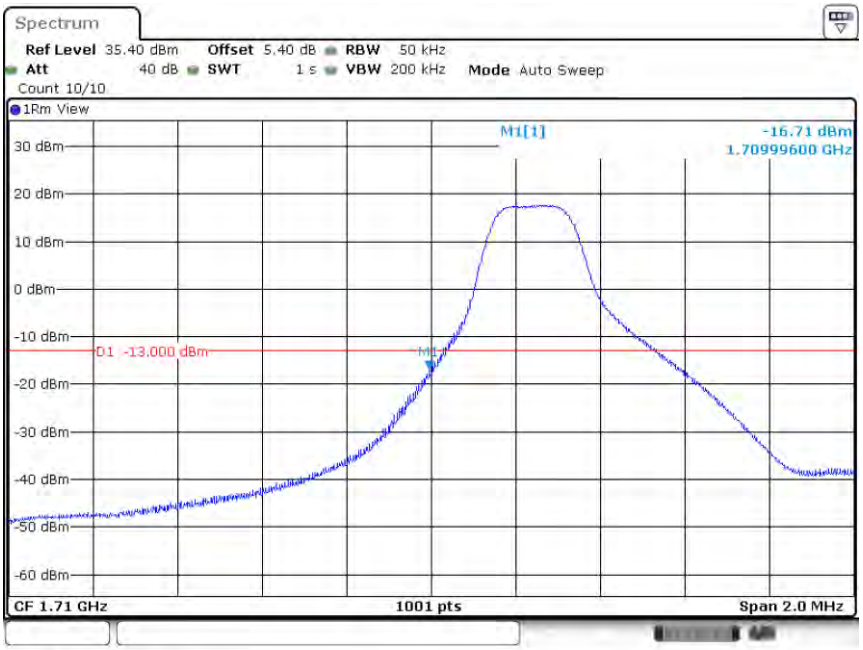
Band66-3MHz-QPSK-132657-15RB#0

Date: 14.APR.2021 04:30:29

Band66-3MHz-64QAM-131987-1RB#0



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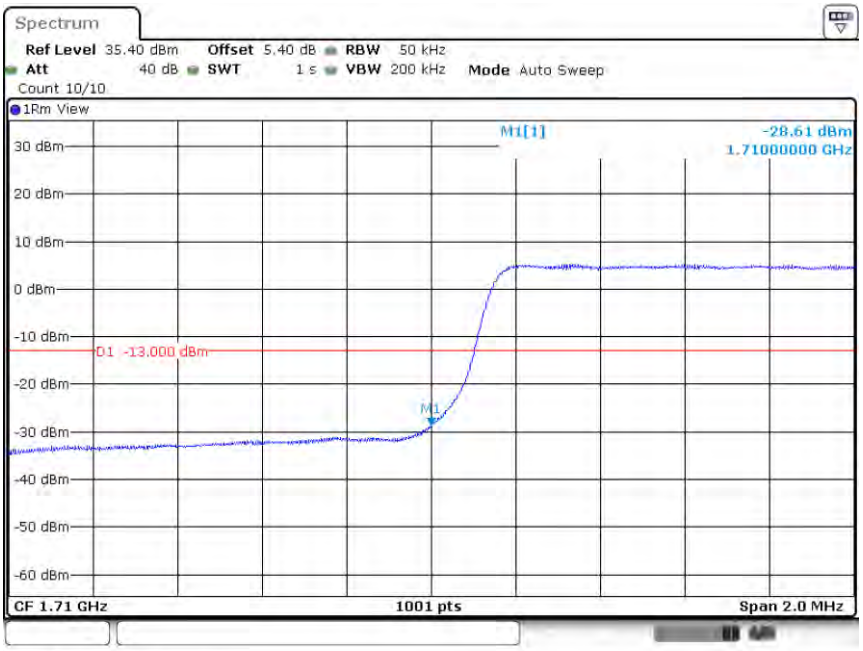
Band66-3MHz-64QAM-131987-15RB#0



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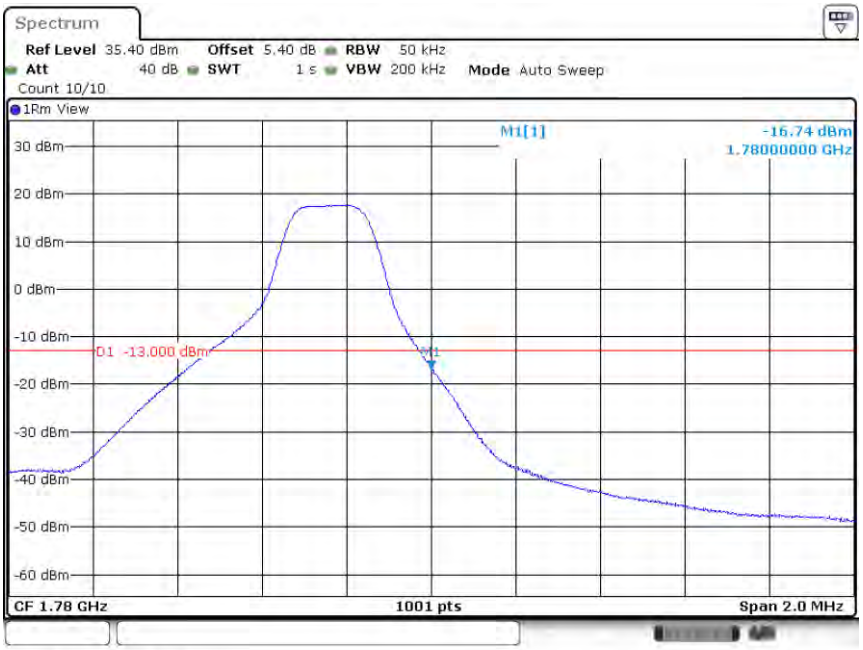

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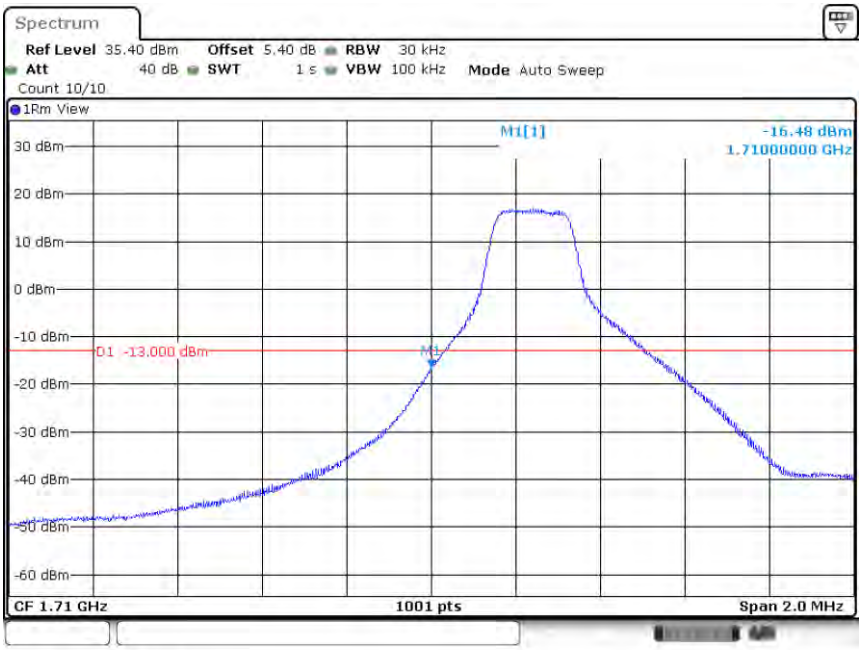
Band66-3MHz-64QAM-132657-15RB#0

Date: 29.MAR.2021 18:28:00

Band66-3MHz-16QAM-131987-1RB#0



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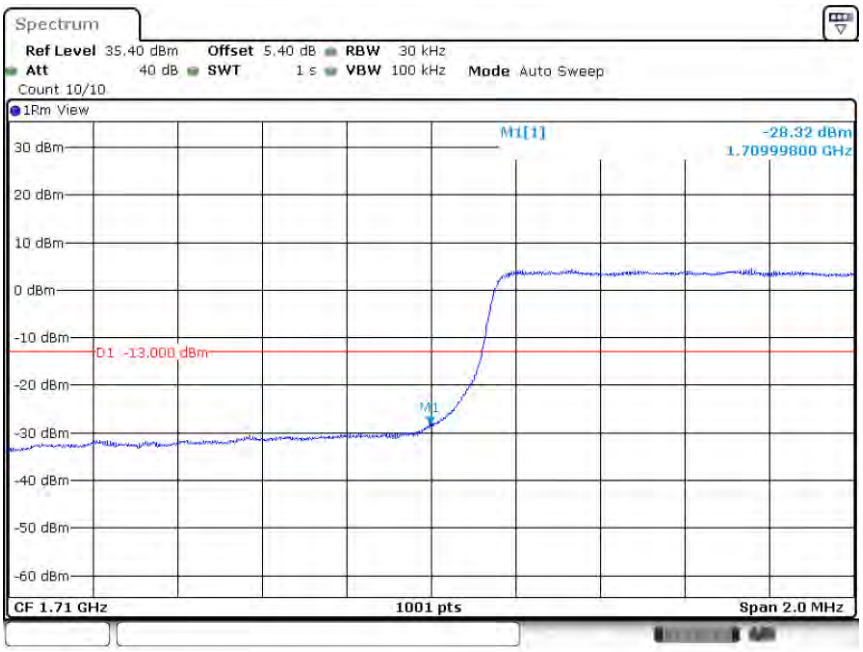
Band66-3MHz-16QAM-131987-15RB#0



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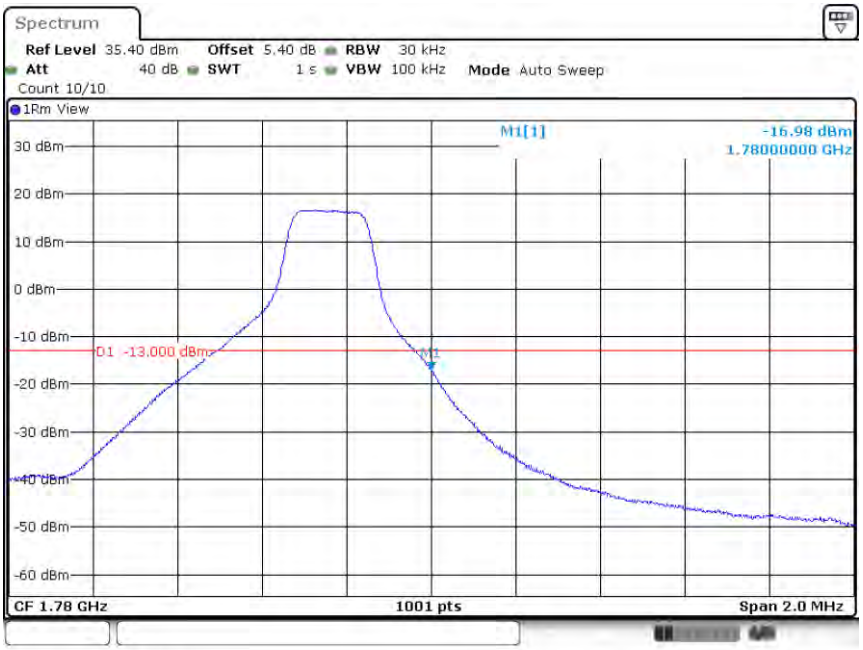

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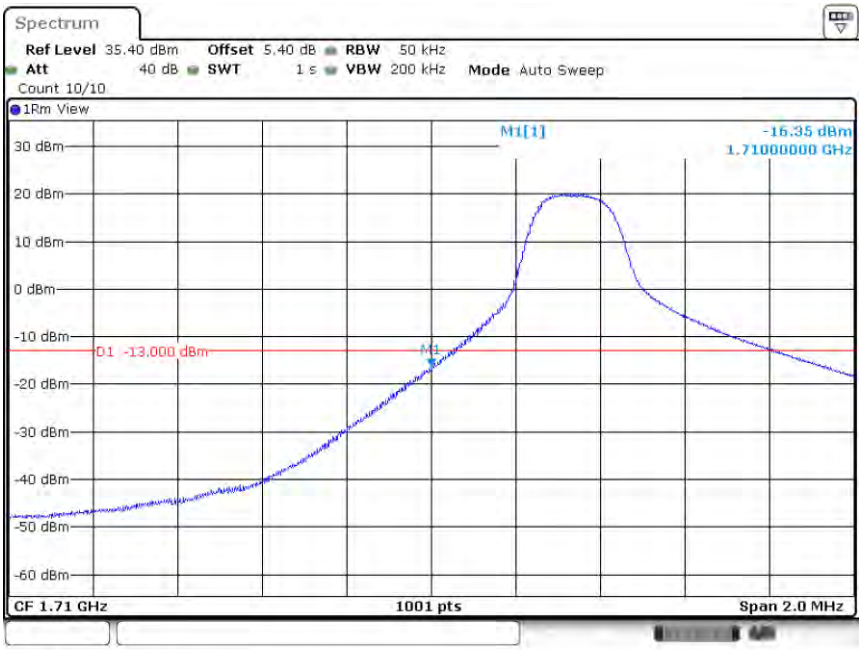
Band66-3MHz-16QAM-132657-15RB#0

Date: 14.APR.2021 04:30:49

Band66-5MHz-QPSK-131997-1RB#0



Date: 29.MAR.2021 17:43:41

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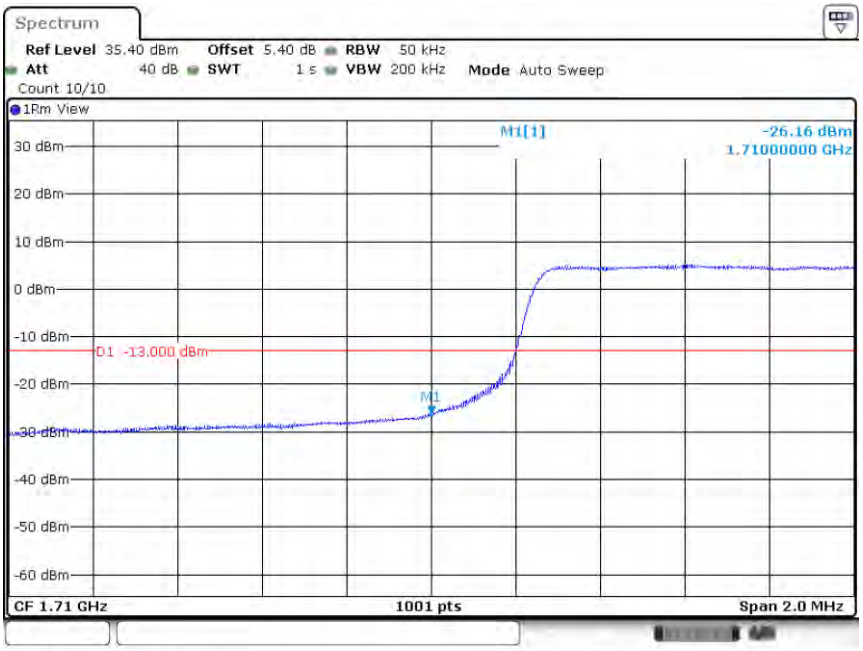
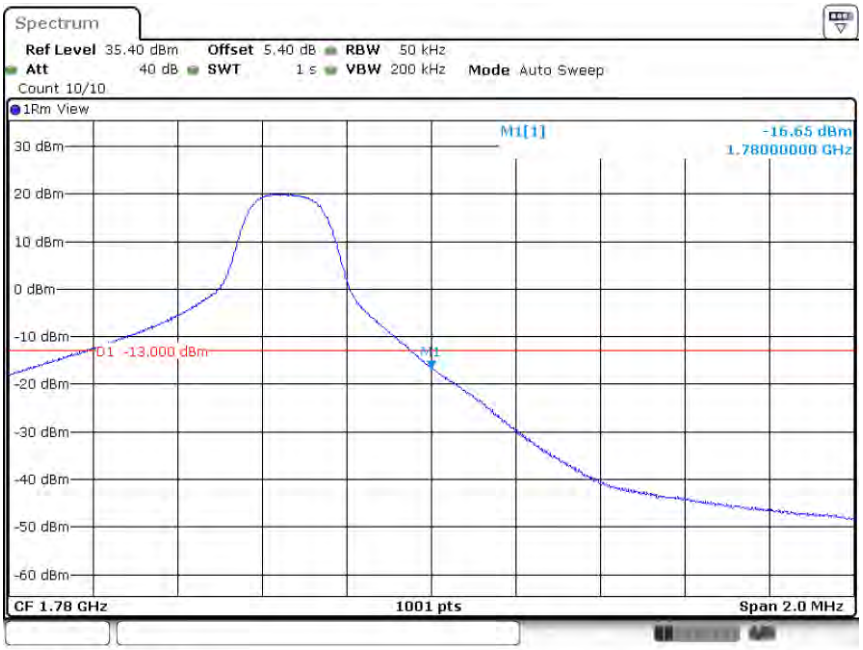
Band66-5MHz-QPSK-131997-25RB#0



Date: 29.MAR.2021 17:44:22

Band66-5MHz-QPSK-132647-1RB#24



Date: 29.MAR.2021 17:45:08

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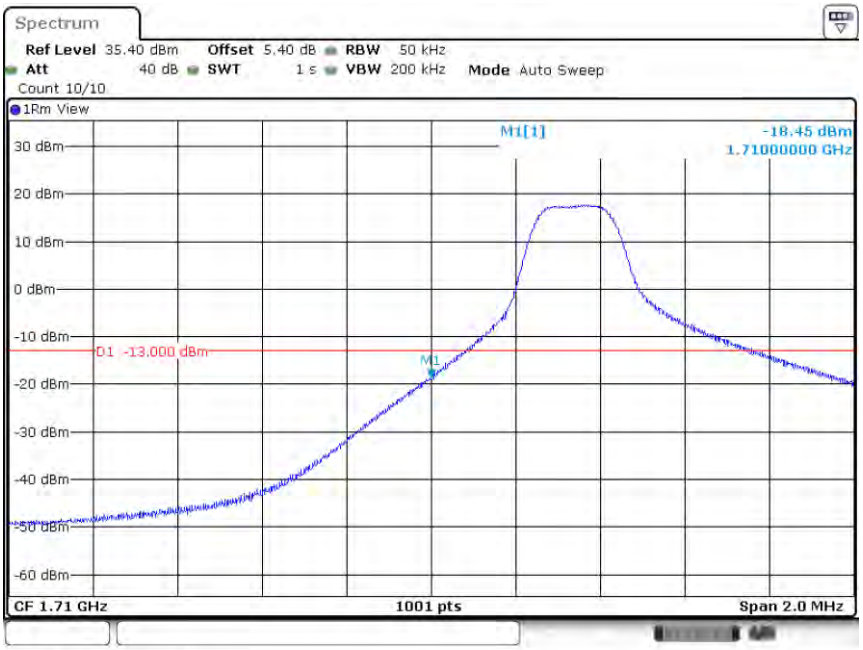
Band66-5MHz-QPSK-132647-25RB#0

Date: 29.MAR.2021 17:45:49

Band66-5MHz-64QAM-131997-1RB#0



Date: 29.MAR.2021 18:28:26

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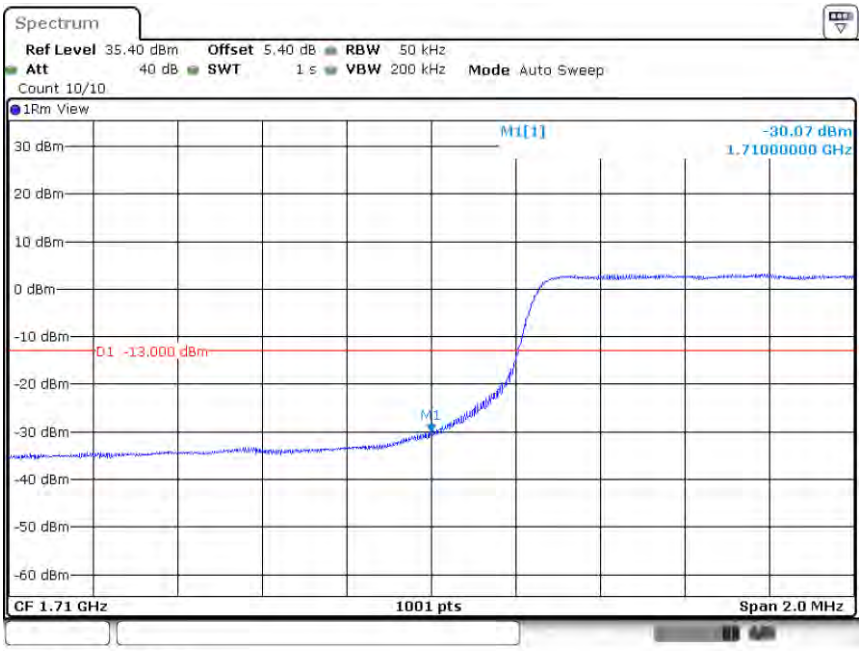
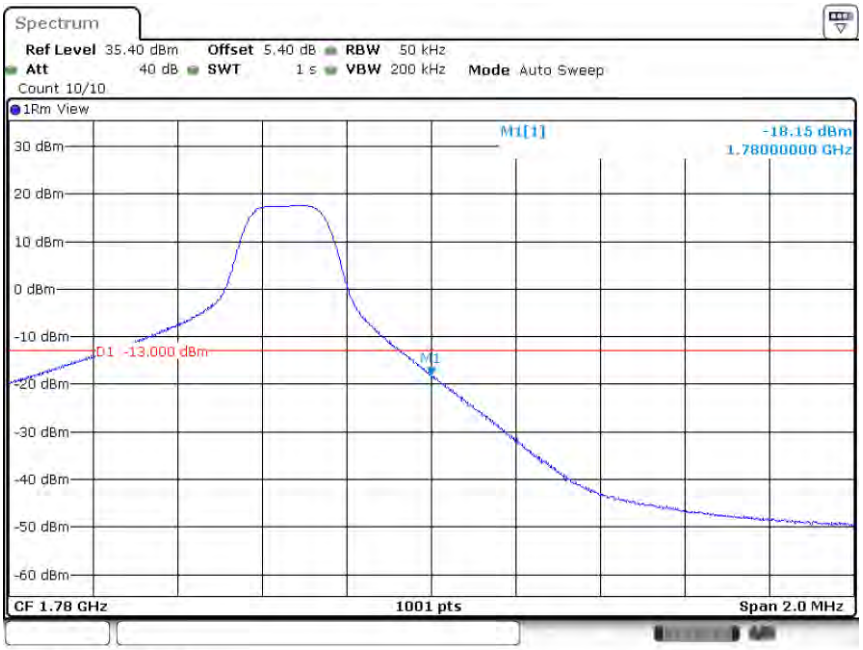
Band66-5MHz-64QAM-131997-25RB#0



Date: 29.MAR.2021 18:28:47

Band66-5MHz-64QAM-132647-1RB#24



Date: 29.MAR.2021 18:29:13

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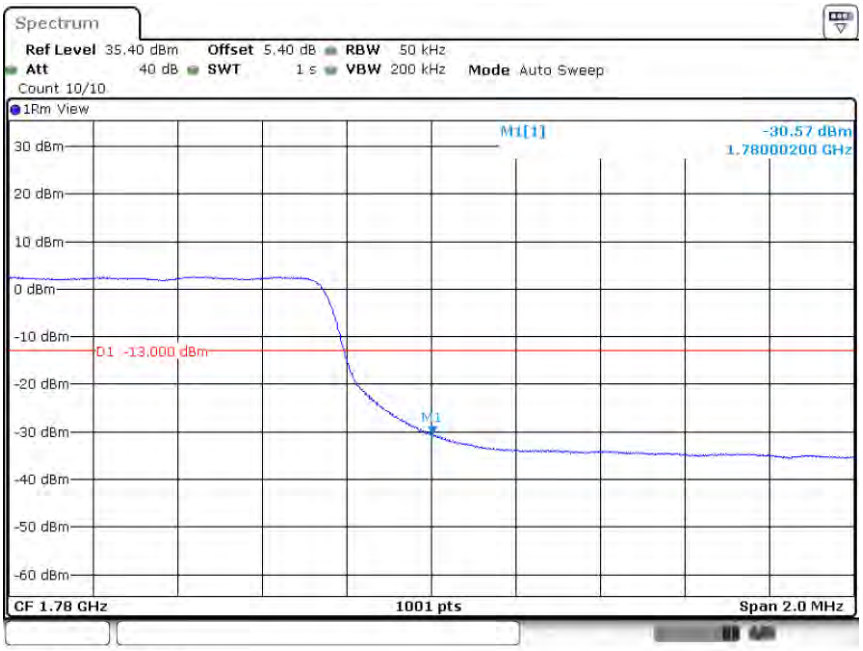
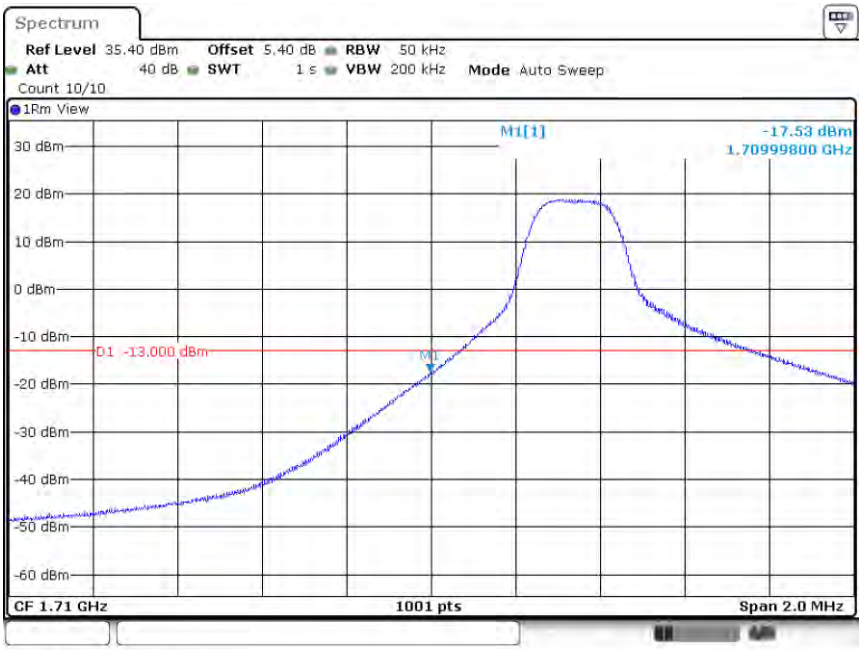
Band66-5MHz-64QAM-132647-25RB#0



Date: 29.MAR.2021 18:29:33

Band66-5MHz-16QAM-131997-1RB#0



Date: 29.MAR.2021 17:44:02

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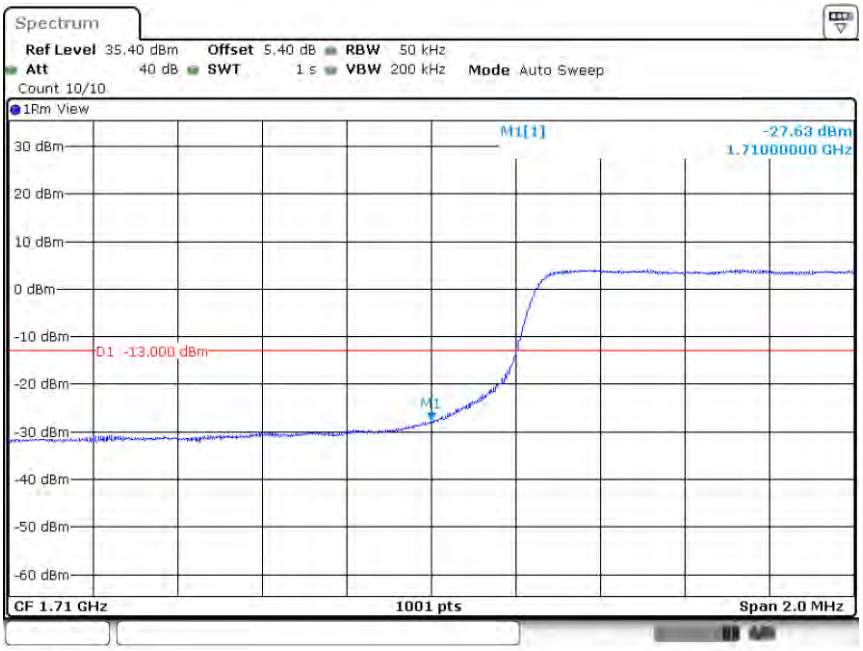
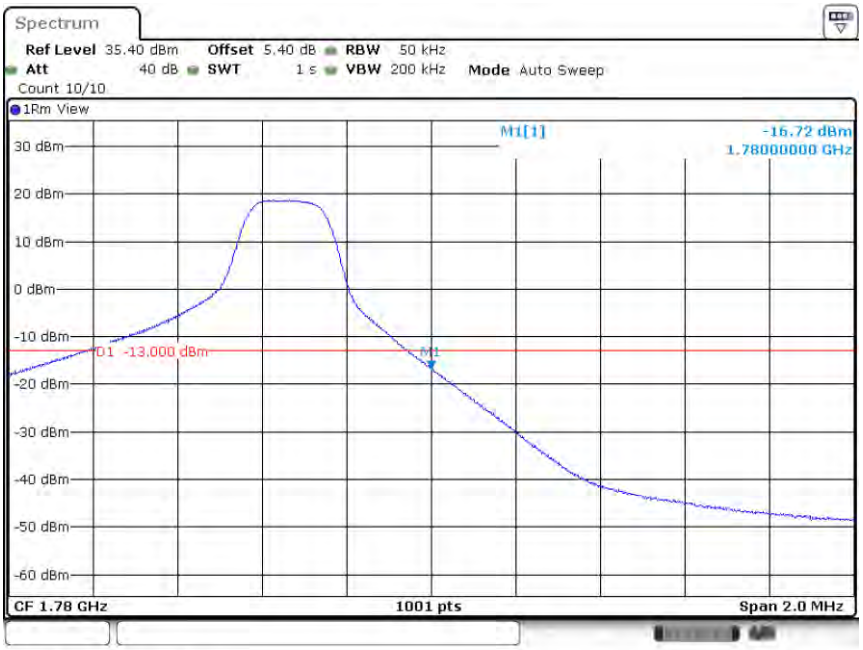
Band66-5MHz-16QAM-131997-25RB#0



Date: 29.MAR.2021 17:44:43

Band66-5MHz-16QAM-132647-1RB#24



Date: 29.MAR.2021 17:45:29

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Band66-5MHz-16QAM-132647-25RB#0

Date: 29.MAR.2021 17:46:10

Band66-10MHz-QPSK-132022-1RB#0

Date: 29.MAR.2021 17:46:36

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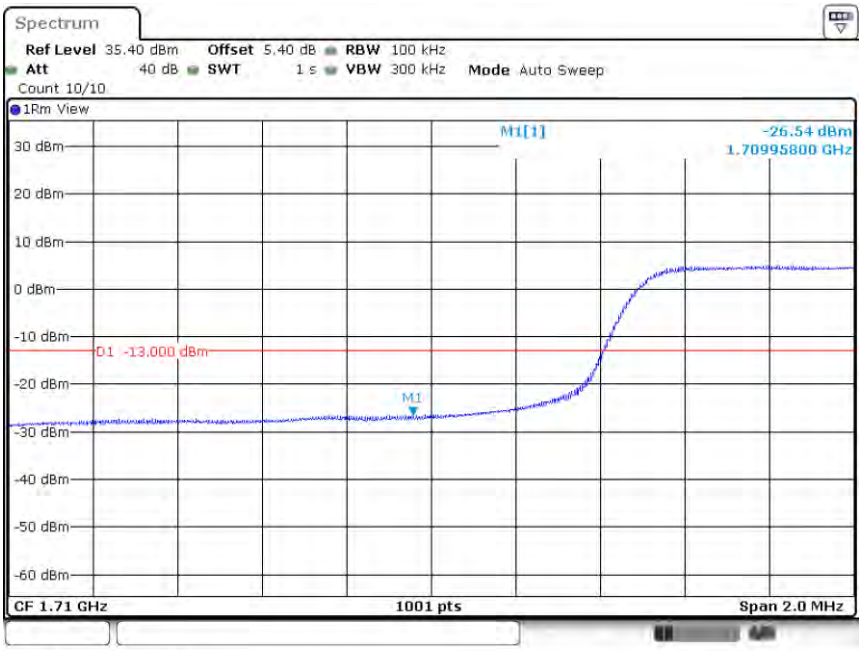
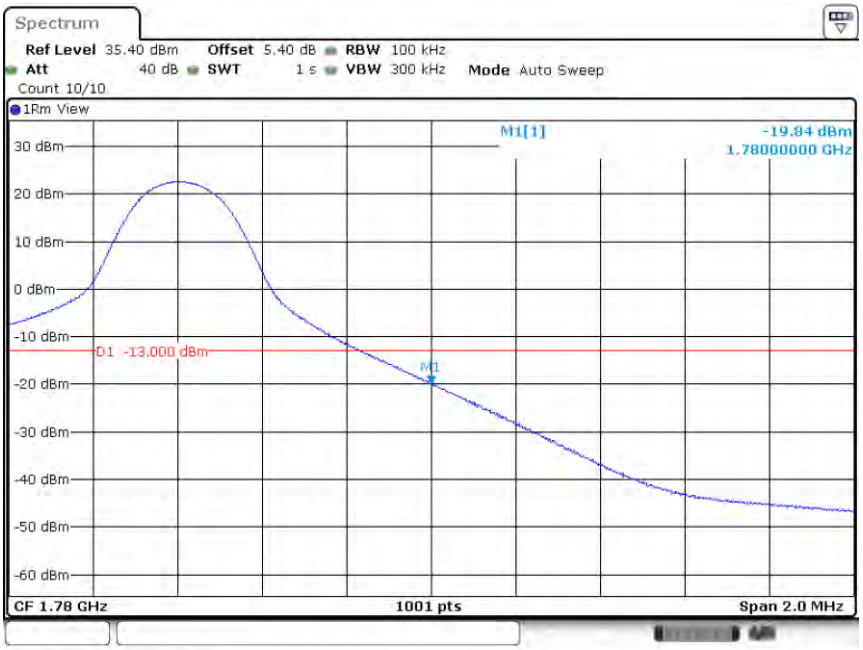
Band66-10MHz-QPSK-132022-50RB#0



Date: 29.MAR.2021 17:47:17

Band66-10MHz-QPSK-132622-1RB#49



Date: 29.MAR.2021 17:48:03

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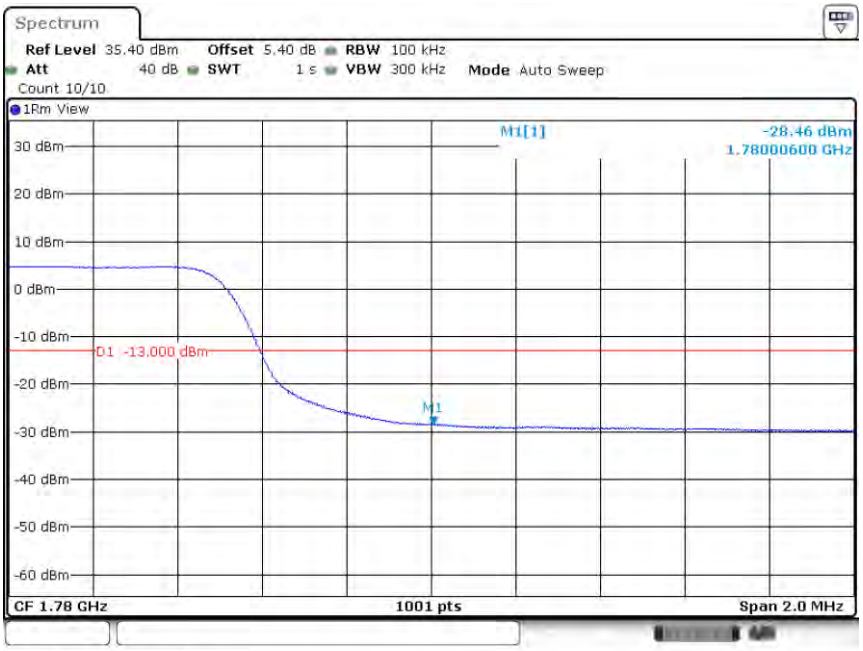
Band66-10MHz-QPSK-132622-50RB#0



Date: 29.MAR.2021 17:48:45

Band66-10MHz-64QAM-132022-1RB#0

Date: 29.MAR.2021 18:29:59

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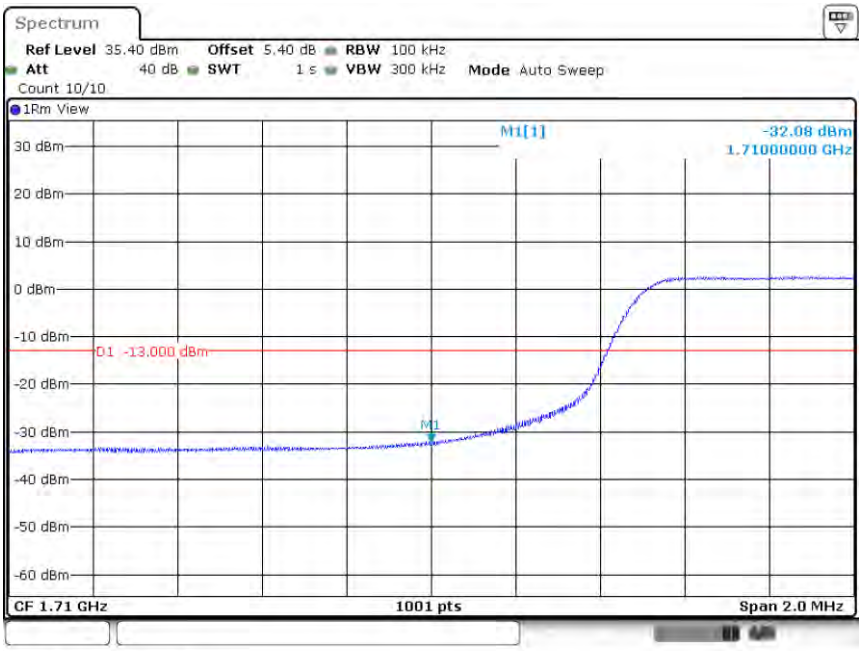

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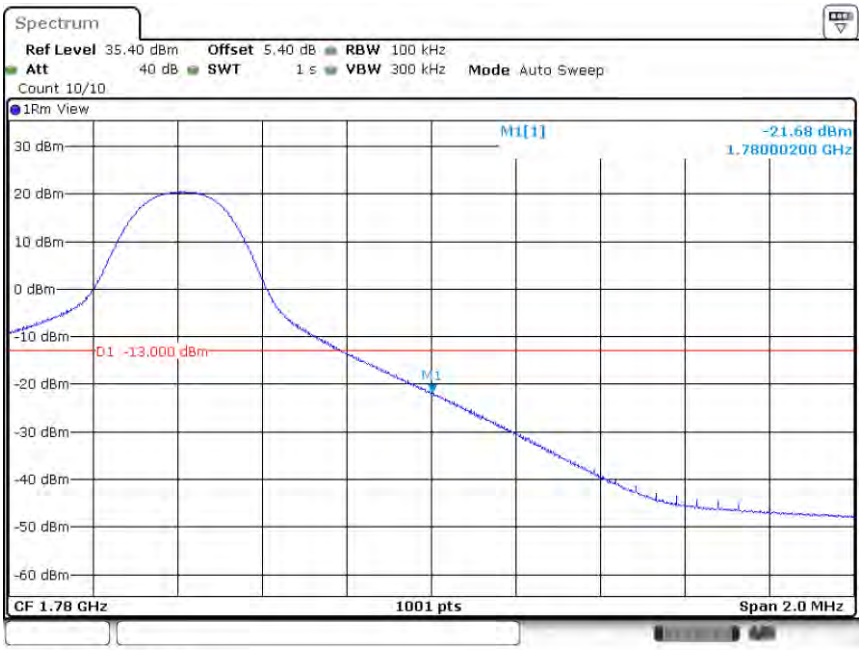
Band66-10MHz-64QAM-132622-1RB#49



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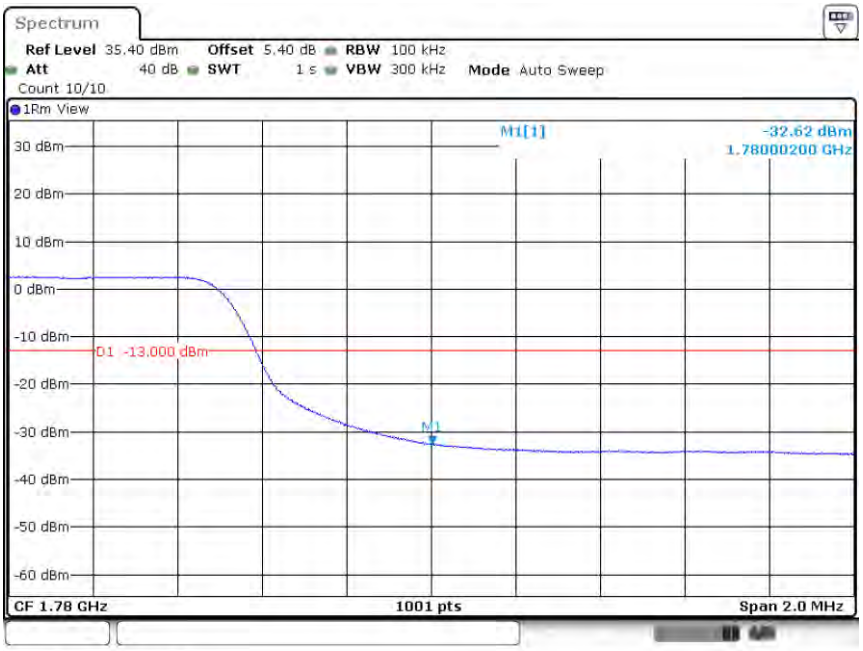
Band66-10MHz-64QAM-132622-50RB#0



Date: 29.MAR.2021 18:31:06

Band66-10MHz-16QAM-132022-1RB#0

Date: 29.MAR.2021 17:46:57

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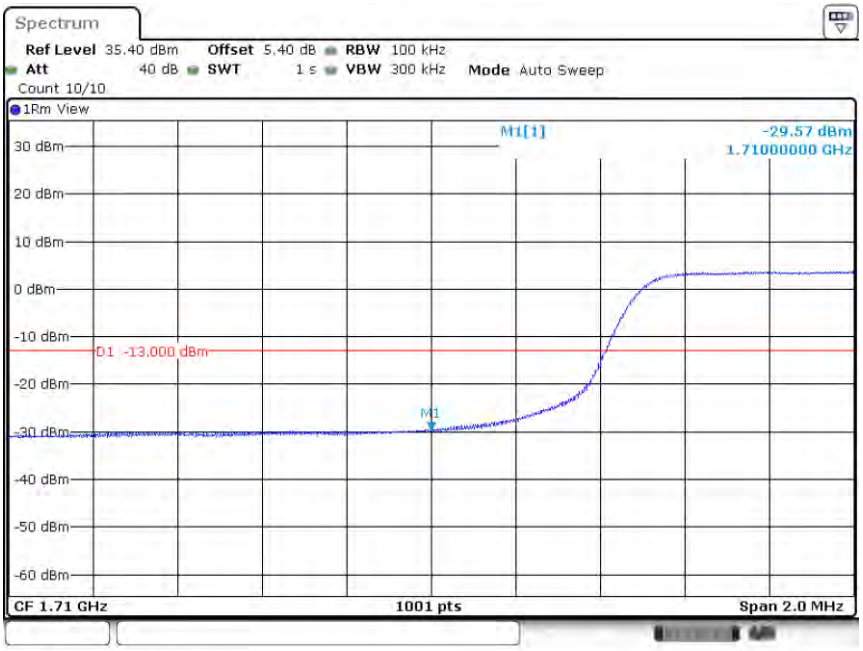
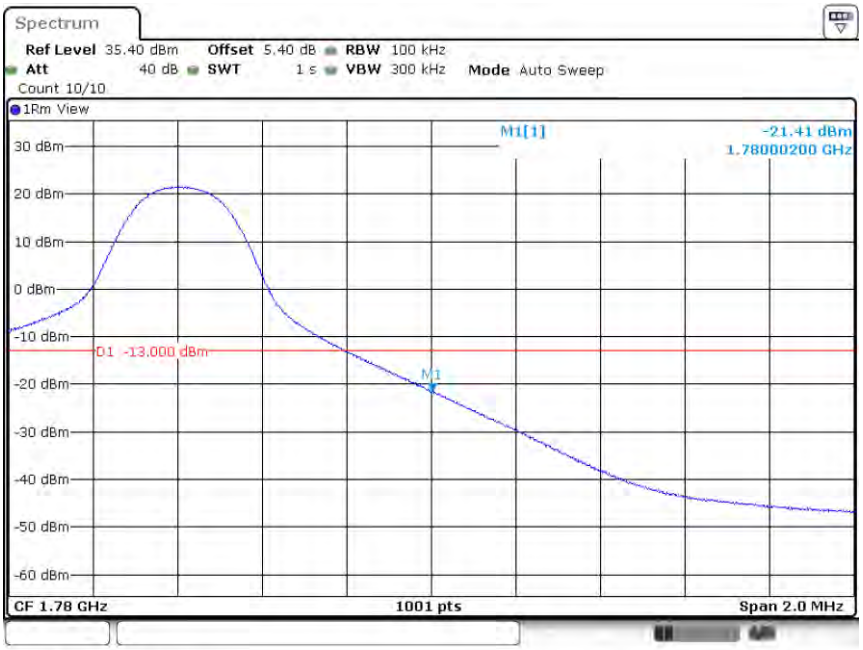
Band66-10MHz-16QAM-132022-50RB#0



Date: 29.MAR.2021 17:47:38

Band66-10MHz-16QAM-132622-1RB#49



Date: 29.MAR.2021 17:48:24

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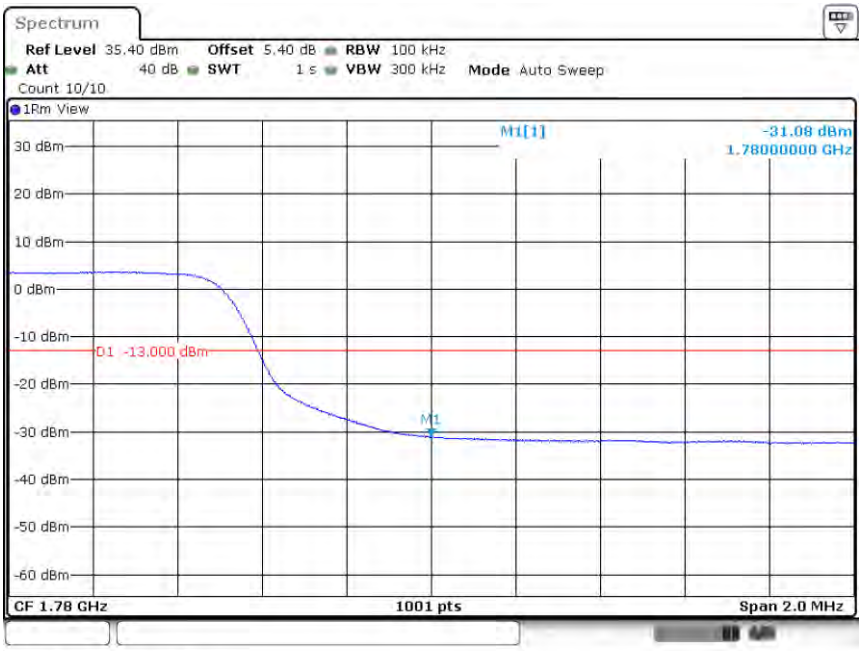
Band66-10MHz-16QAM-132622-50RB#0



Date: 29.MAR.2021 17:49:05

Band66-15MHz-QPSK-132047-1RB#0

Date: 29.MAR.2021 17:49:31

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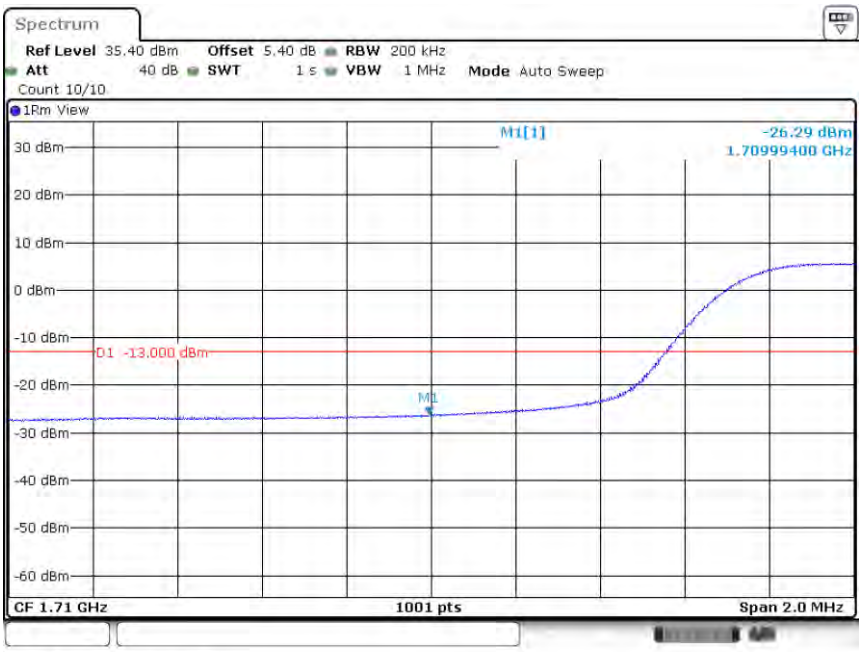
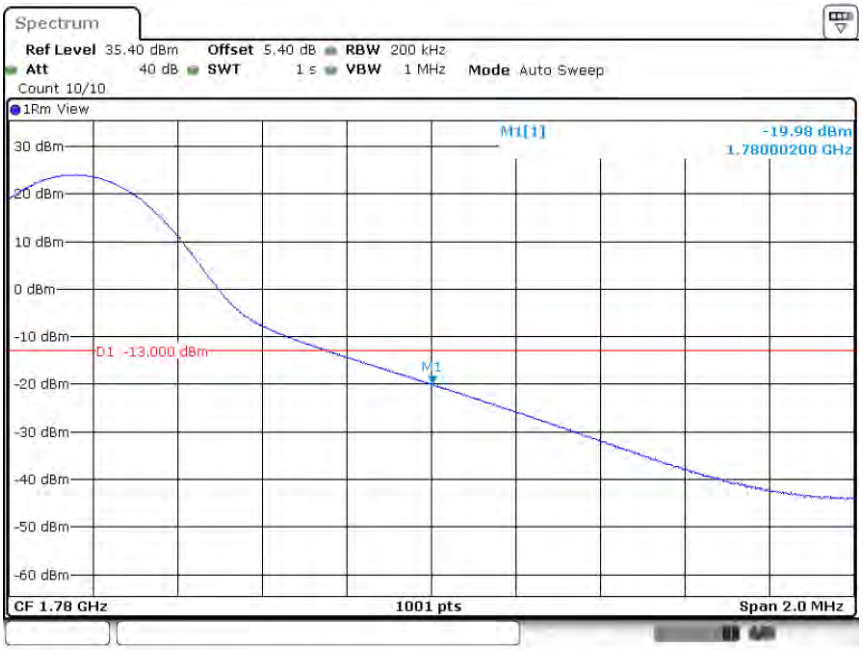
Band66-15MHz-QPSK-132047-75RB#0



Date: 29.MAR.2021 17:50:12

Band66-15MHz-QPSK-132597-1RB#74



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

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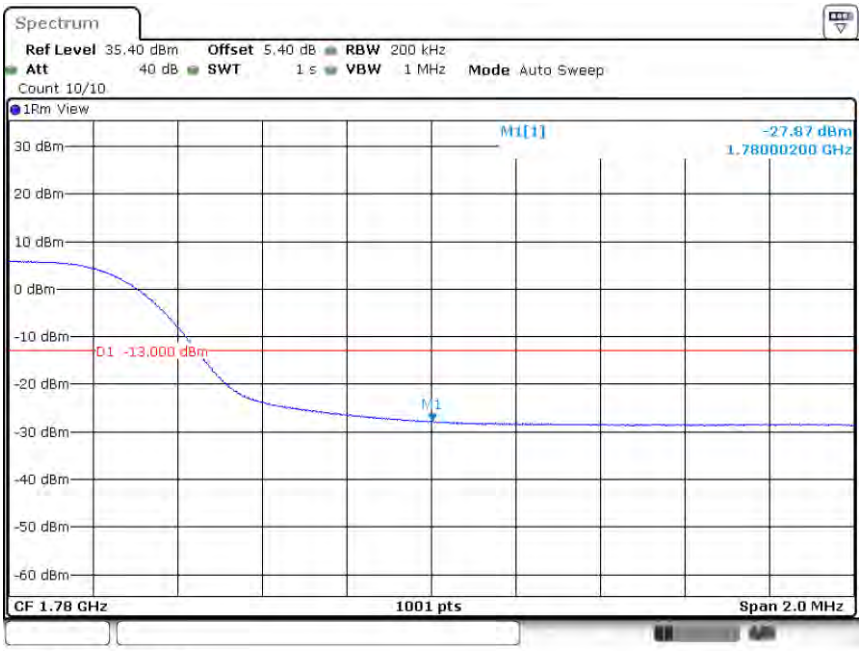

Date: 29.MAR.2021 17:51:39

Band66-15MHz-64QAM-132047-1RB#0

Date: 29.MAR.2021 18:31:32

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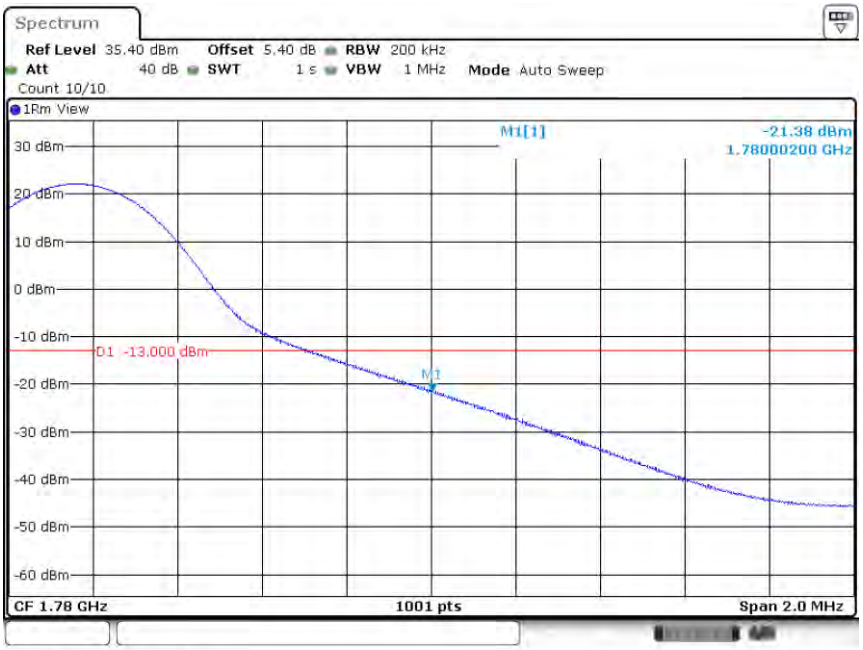
Band66-15MHz-64QAM-132047-75RB#0

Date: 29.MAR.2021 18:31:53

Band66-15MHz-64QAM-132597-1RB#74



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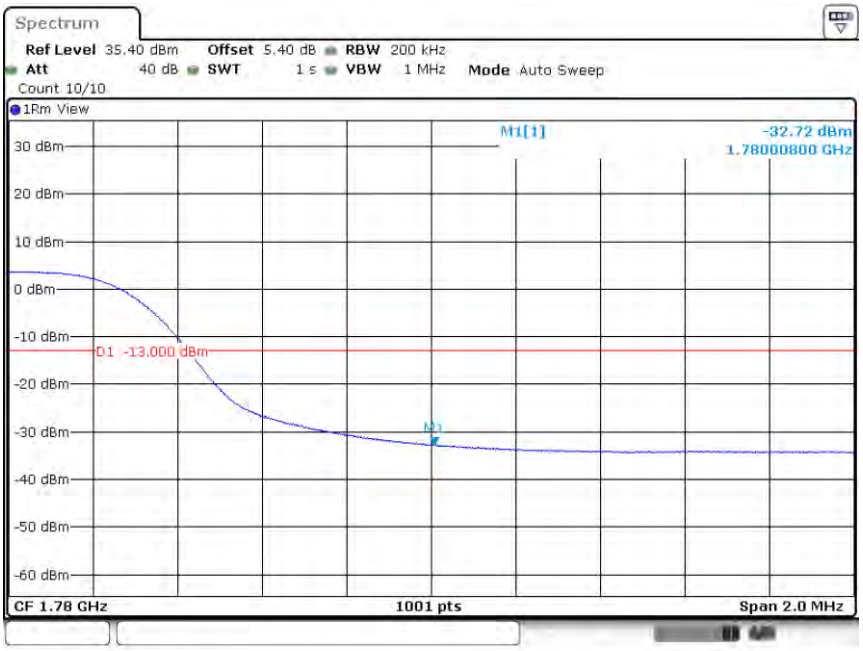
Band66-15MHz-64QAM-132597-75RB#0



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Band66-15MHz-16QAM-132047-1RB#0

Date: 29.MAR.2021 17:49:52

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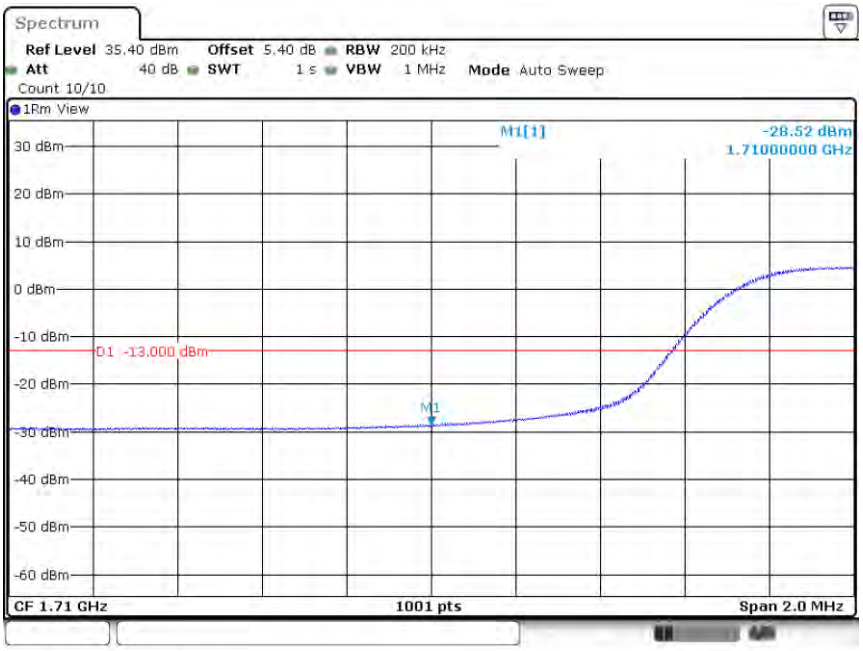

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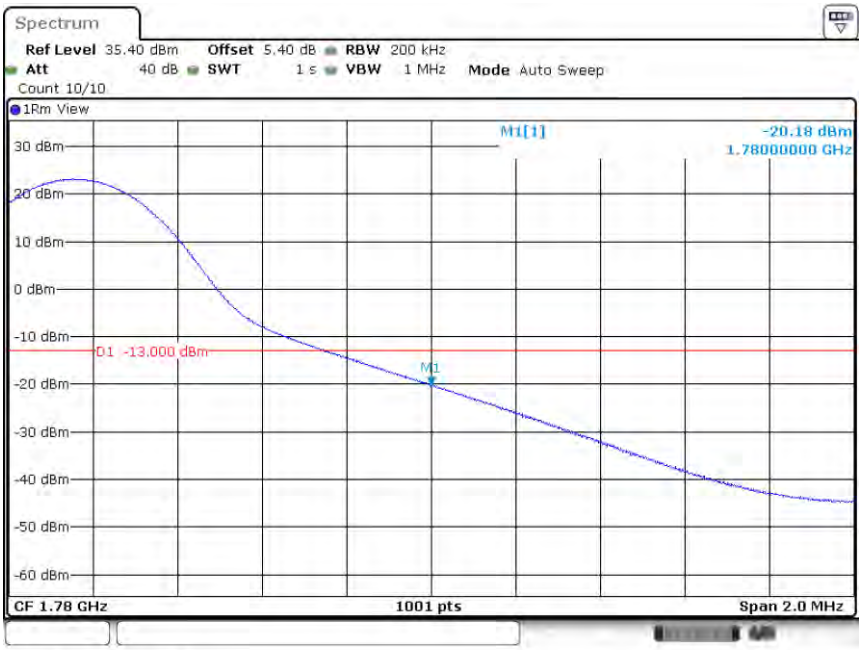
Band66-15MHz-16QAM-132597-1RB#74



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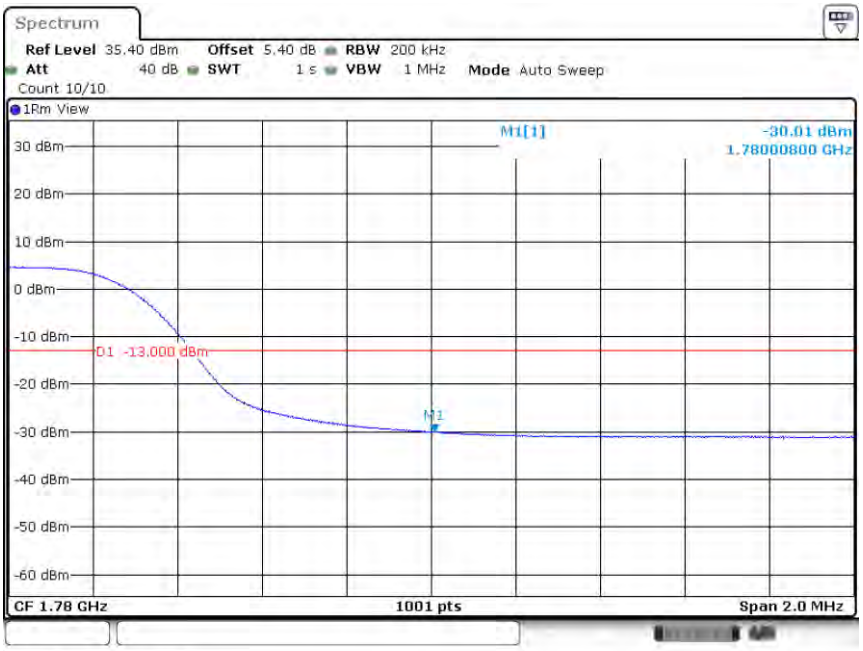
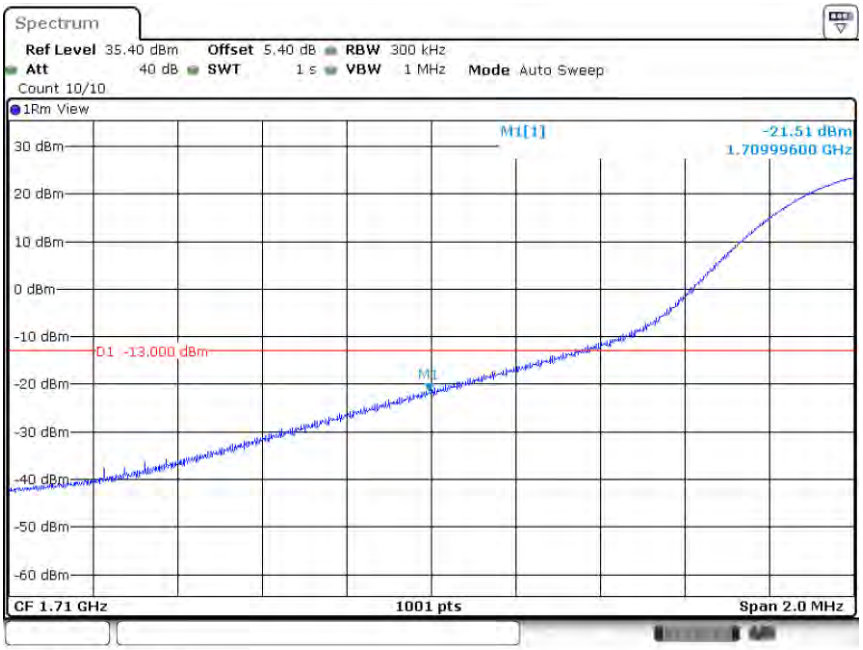


Date: 29.MAR.2021 17:52:00

Band66-20MHz-QPSK-132072-1RB#0



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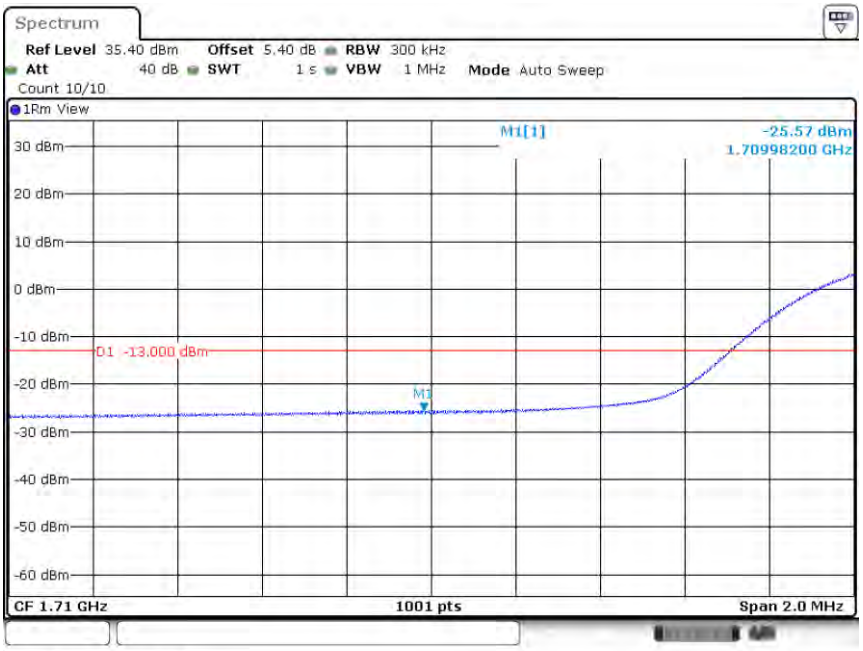
Band66-20MHz-QPSK-132072-100RB#0



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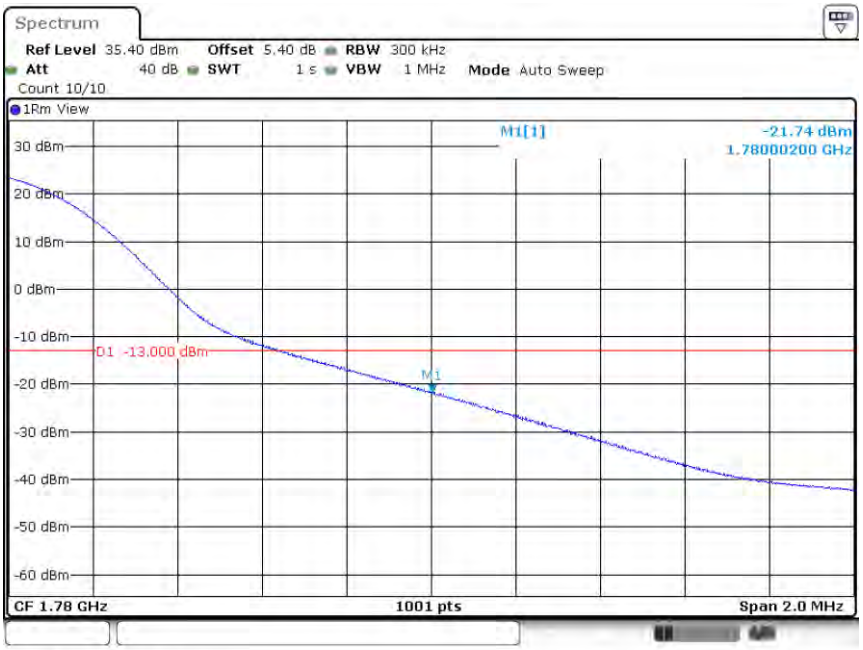

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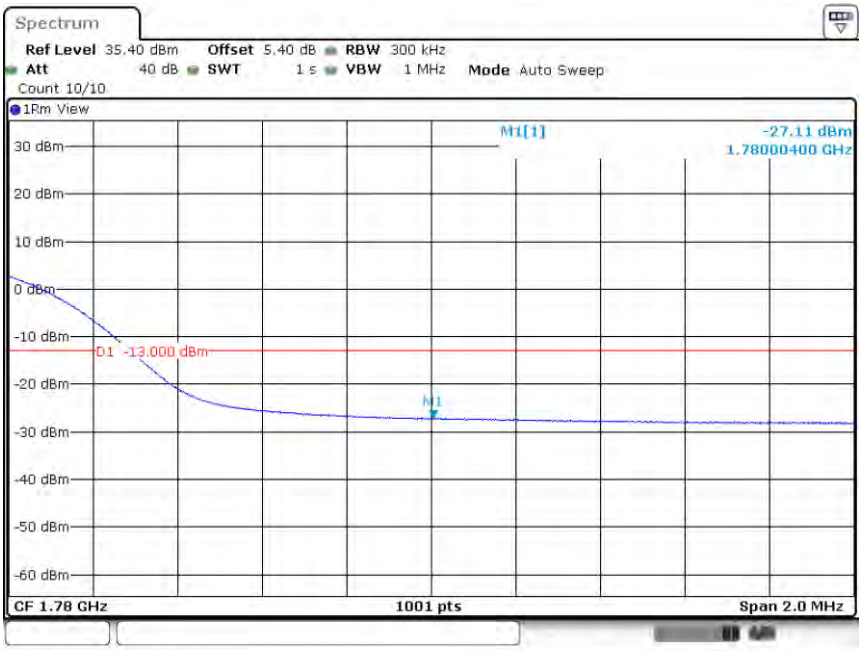

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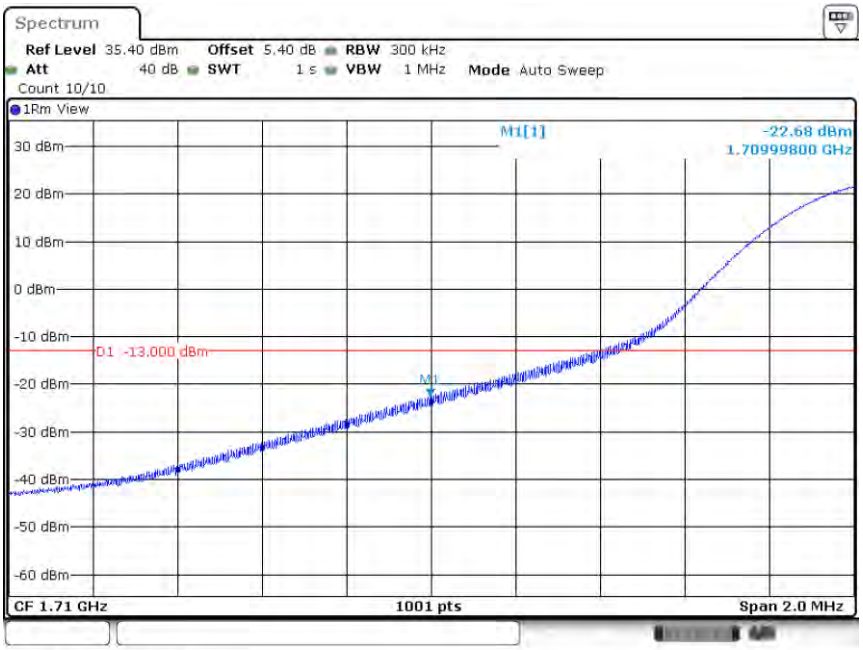
Band66-20MHz-64QAM-132072-1RB#0



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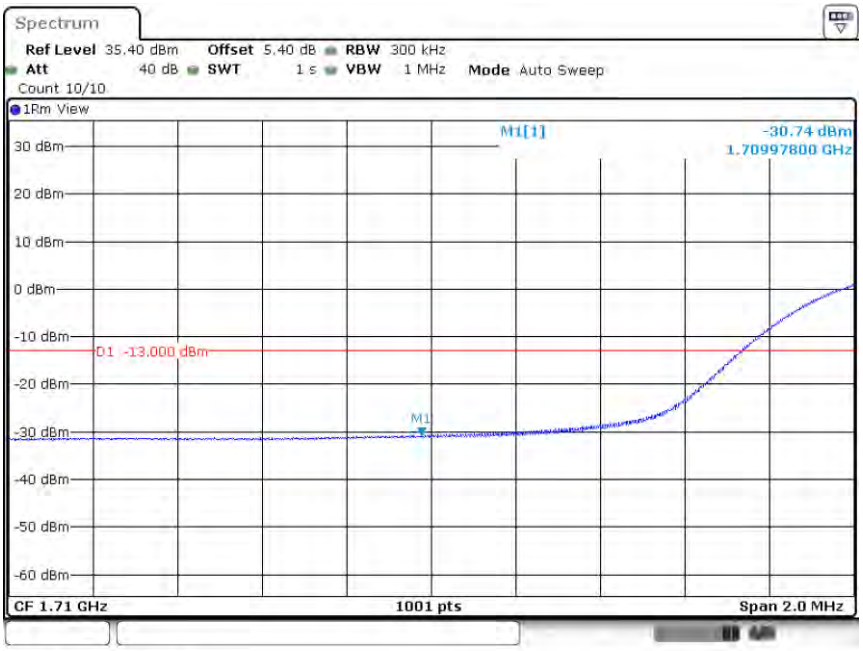
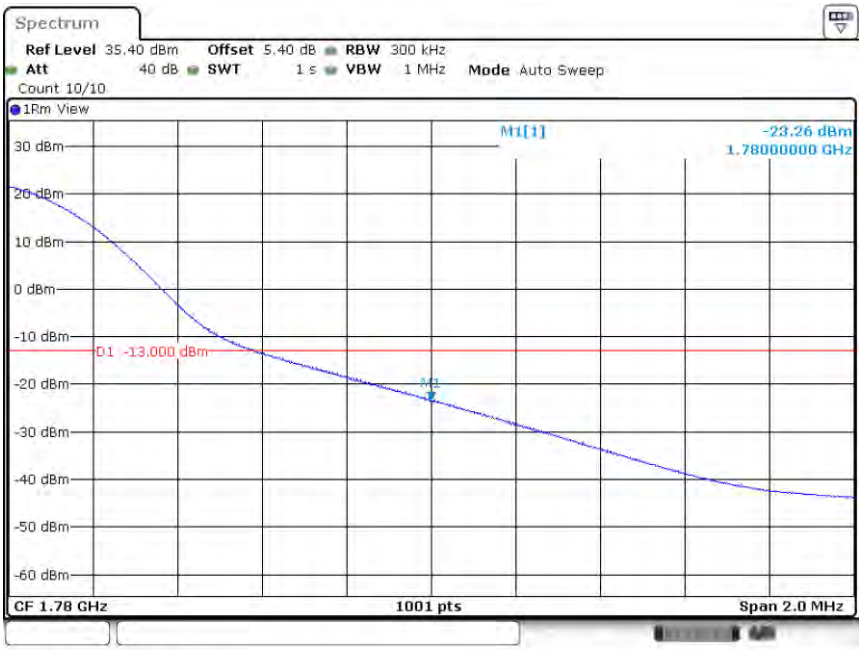


Date: 29.MAR.2021 18:33:26

Band66-20MHz-64QAM-132572-1RB#99



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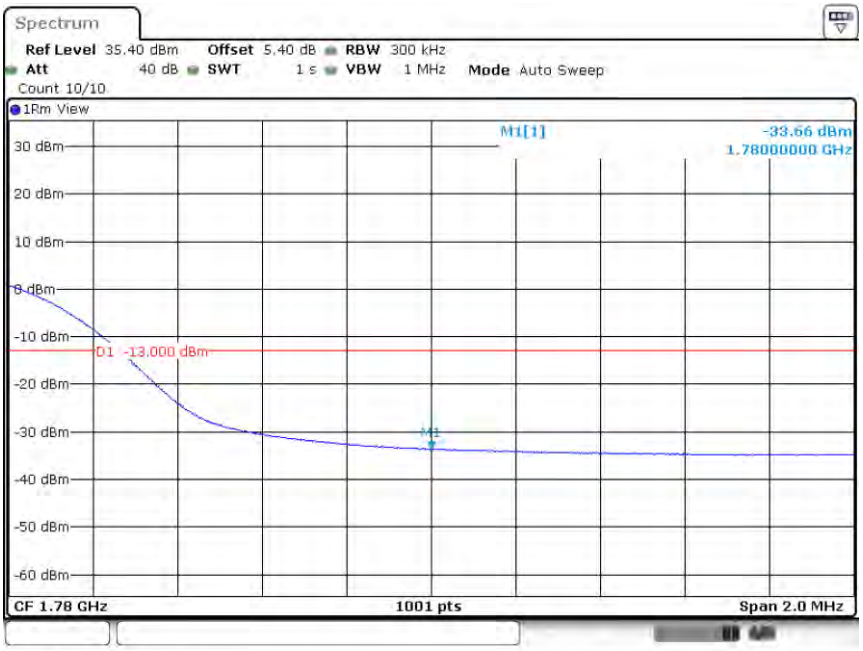
Band66-20MHz-64QAM-132572-100RB#0



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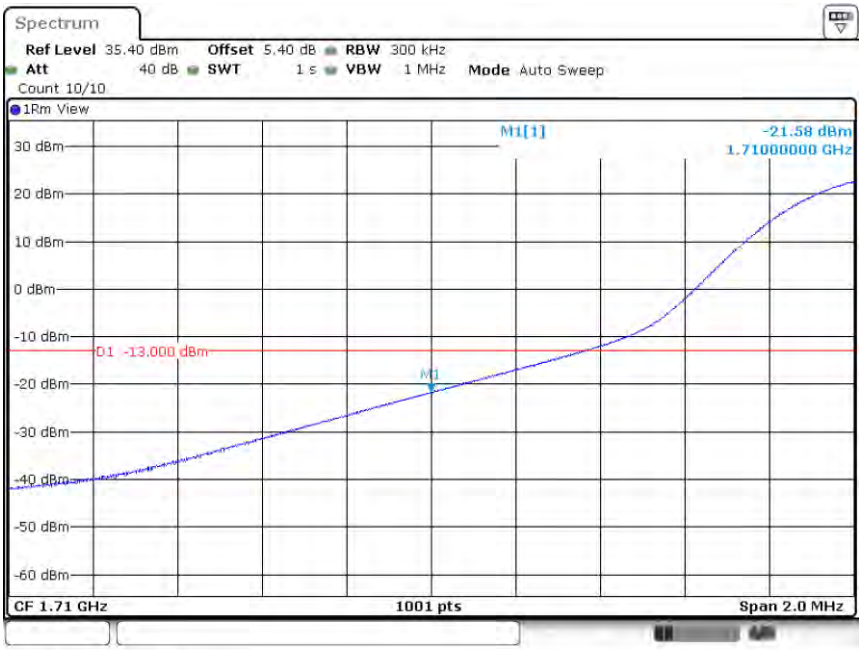
Band66-20MHz-16QAM-132072-1RB#0



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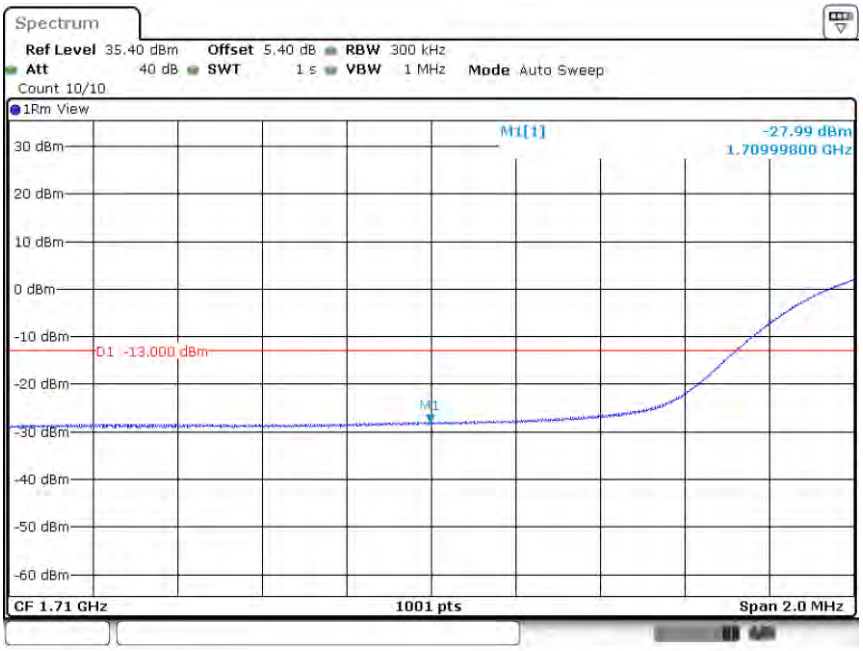
Band66-20MHz-16QAM-132072-100RB#0



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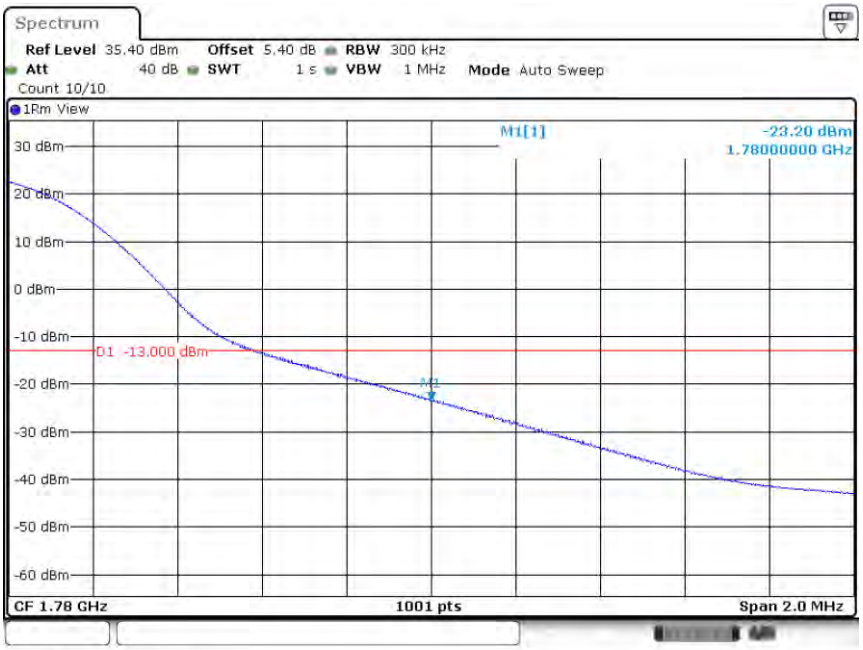
Band66-20MHz-16QAM-132572-1RB#99



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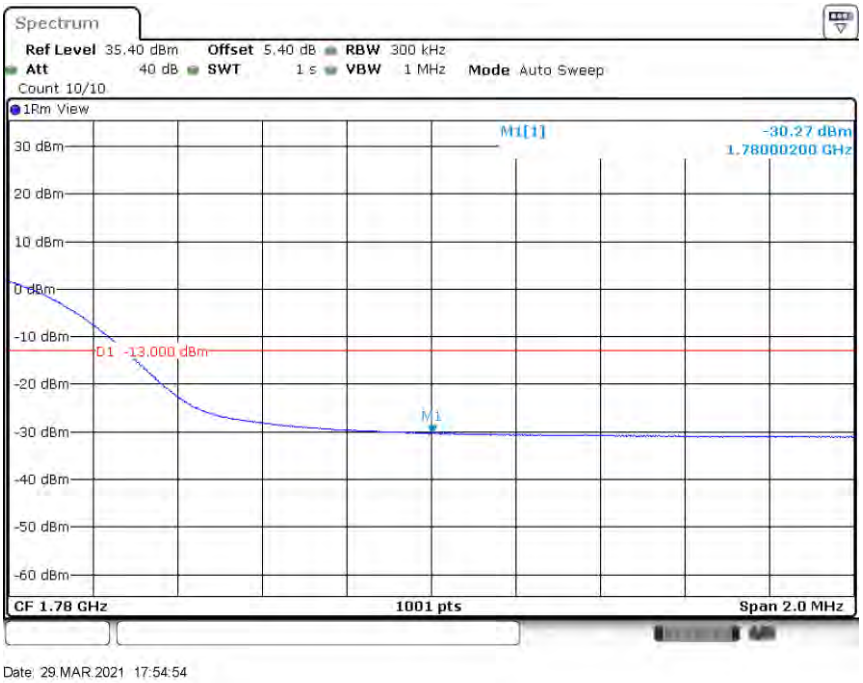
Band66-20MHz-16QAM-132572-100RB#0



Remark: The limit of more than 1MHz offset the channel edge is corrected by the formula:
X=Limit+10log (RBW/1000kHz)

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6. Spurious Emission at Antenna Terminal

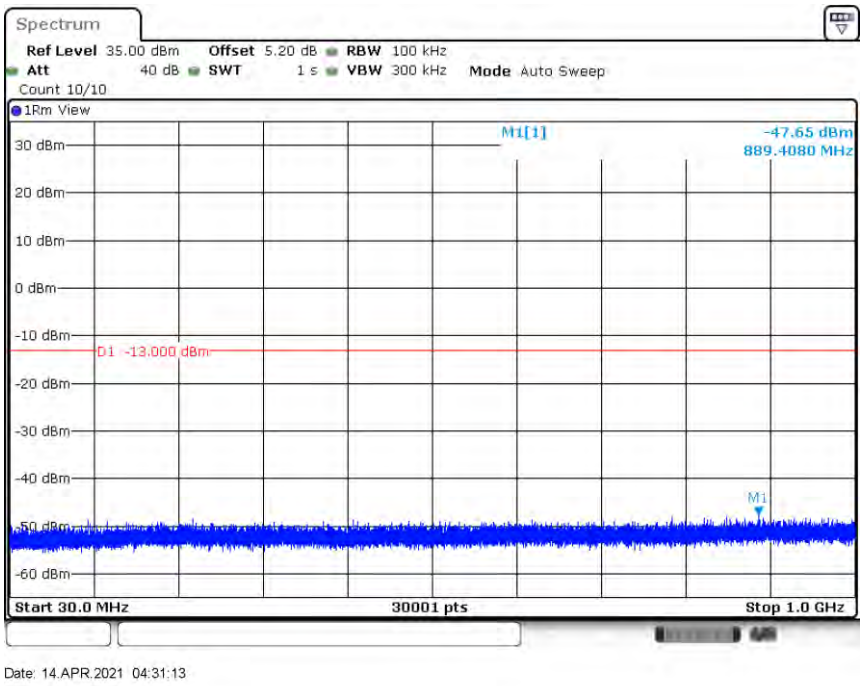
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k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

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

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

6.1. Test Plots

Band66-20MHz-QPSK-132072-1RB#0-Range1:30~1000MHz



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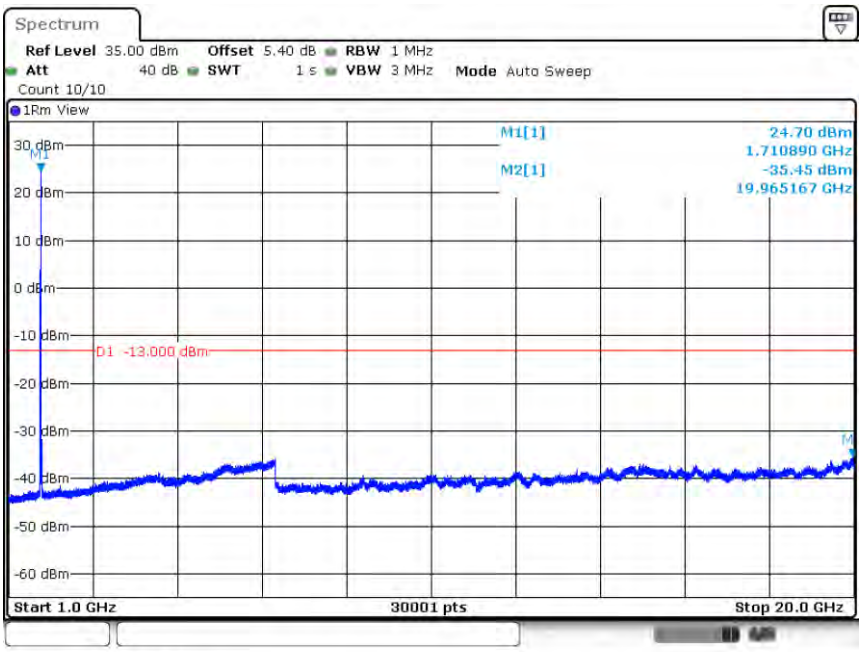
Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~20000MHz



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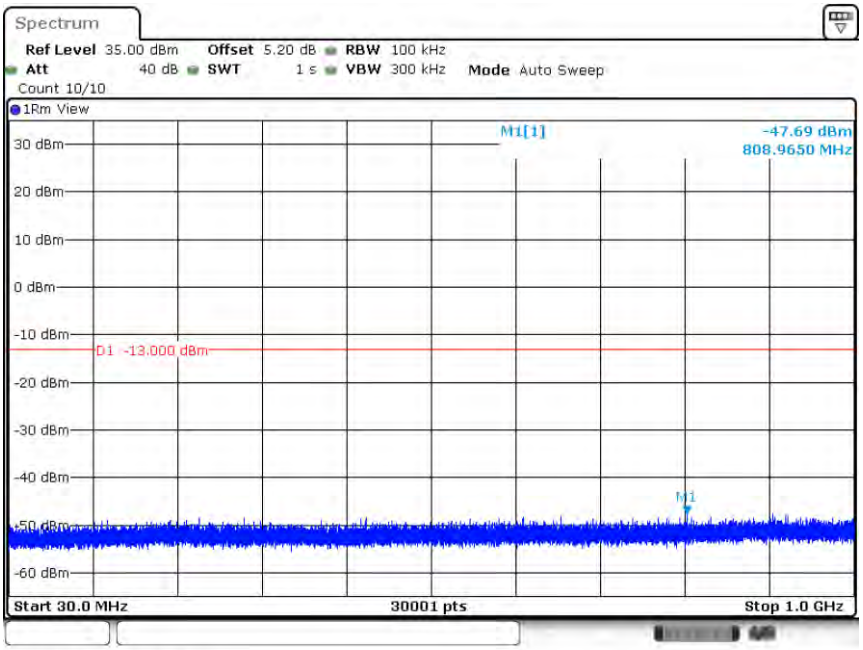
Band66-20MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



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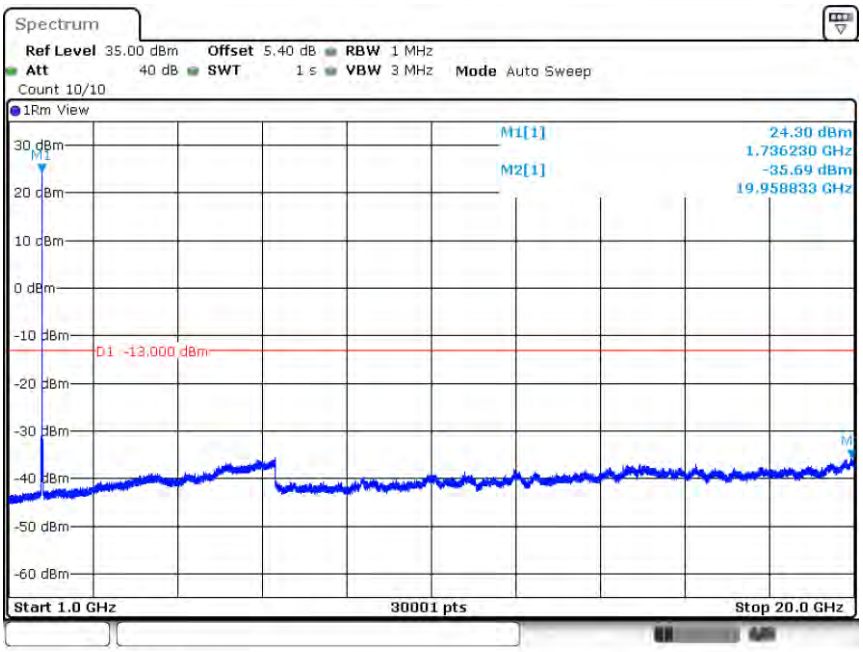
Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



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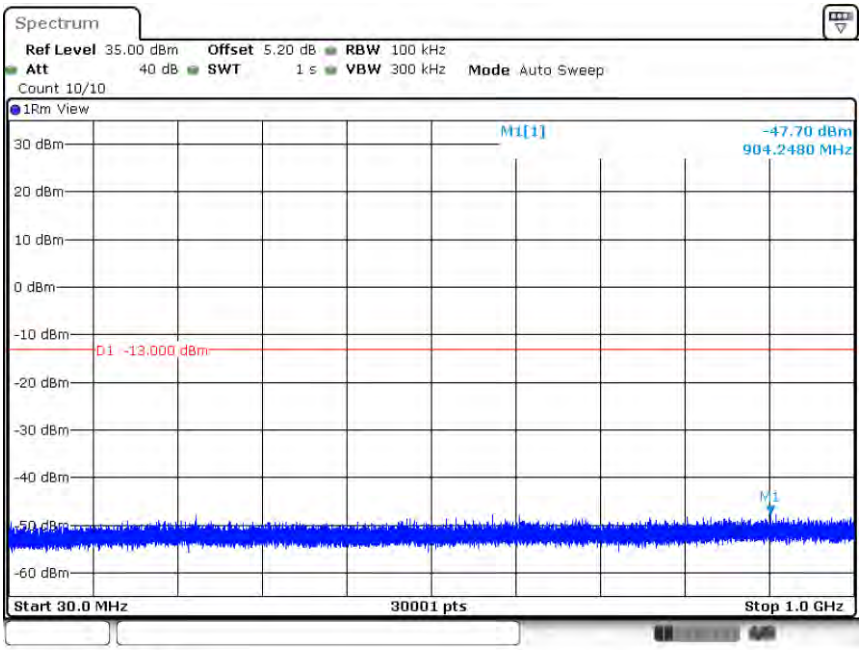

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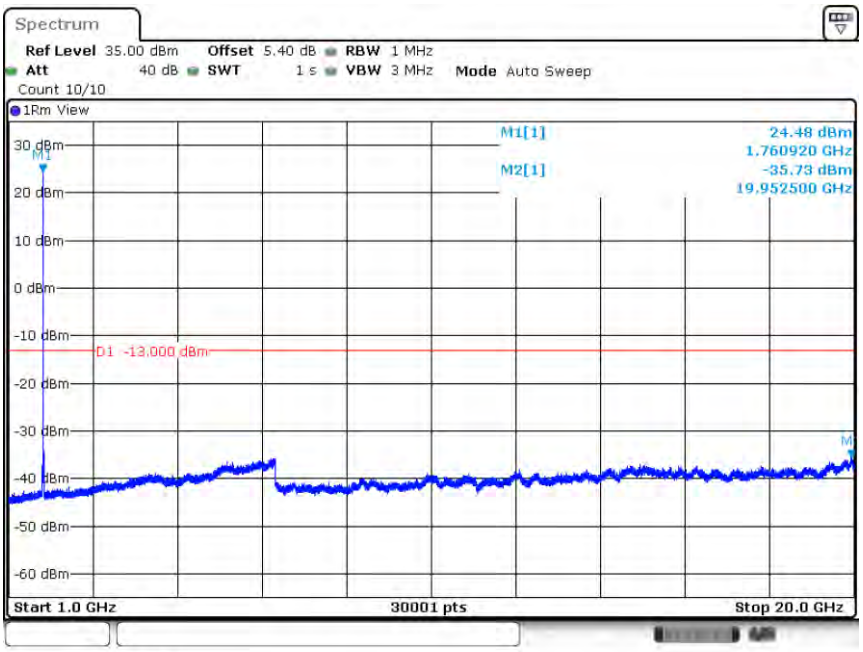
Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz



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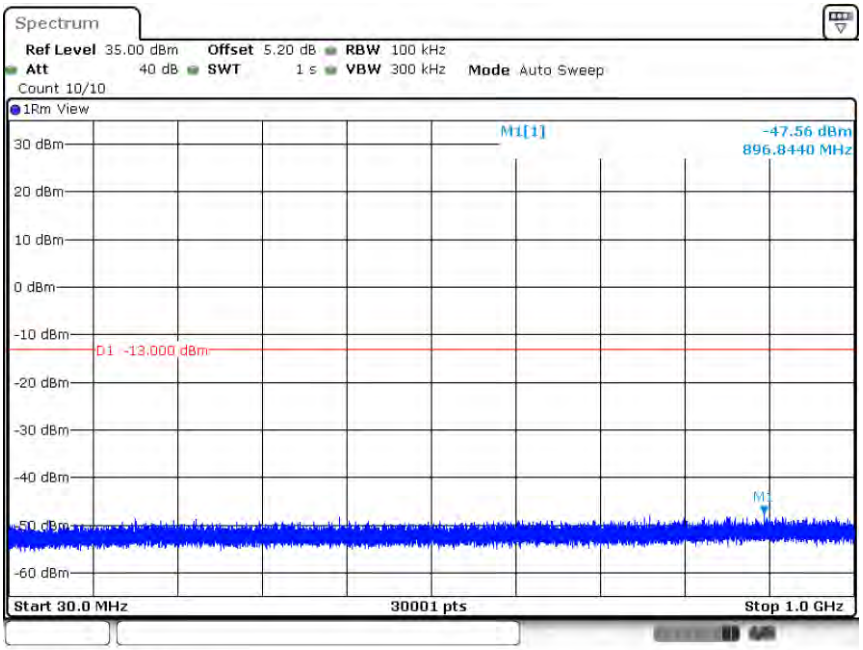
Band66-20MHz-64QAM-132072-1RB#0-Range1:30~1000MHz



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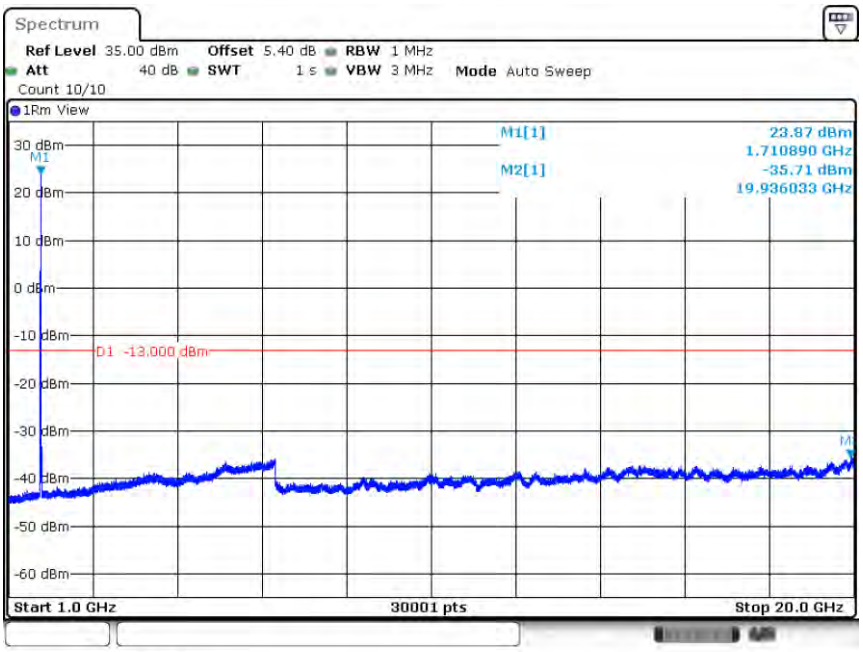

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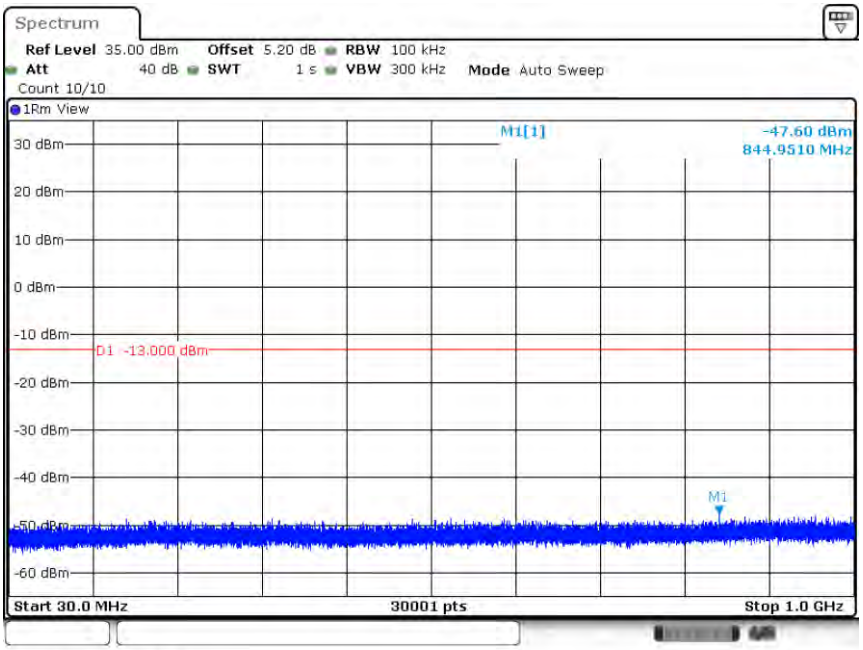
Band66-20MHz-64QAM-132322-1RB#0-Range1:30~1000MHz



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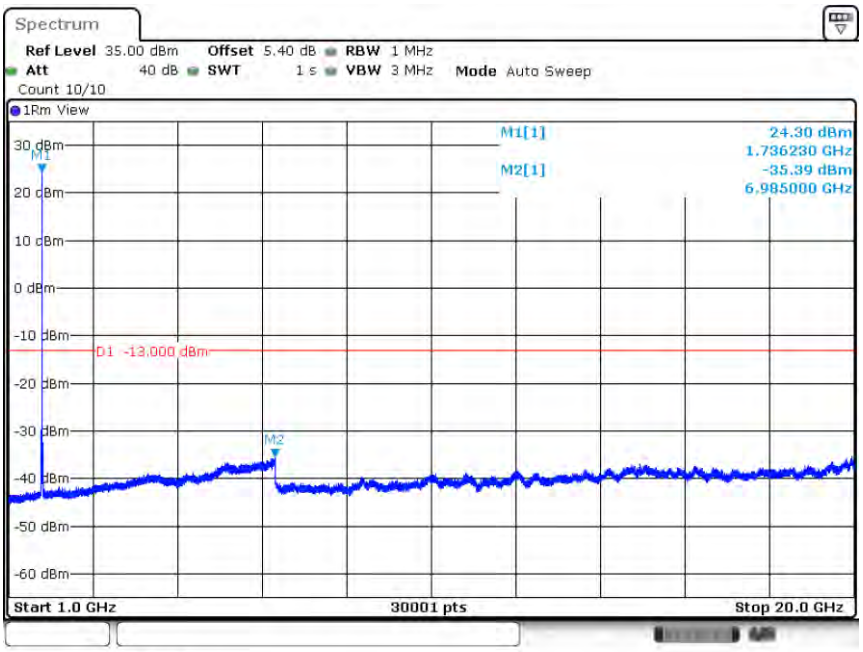

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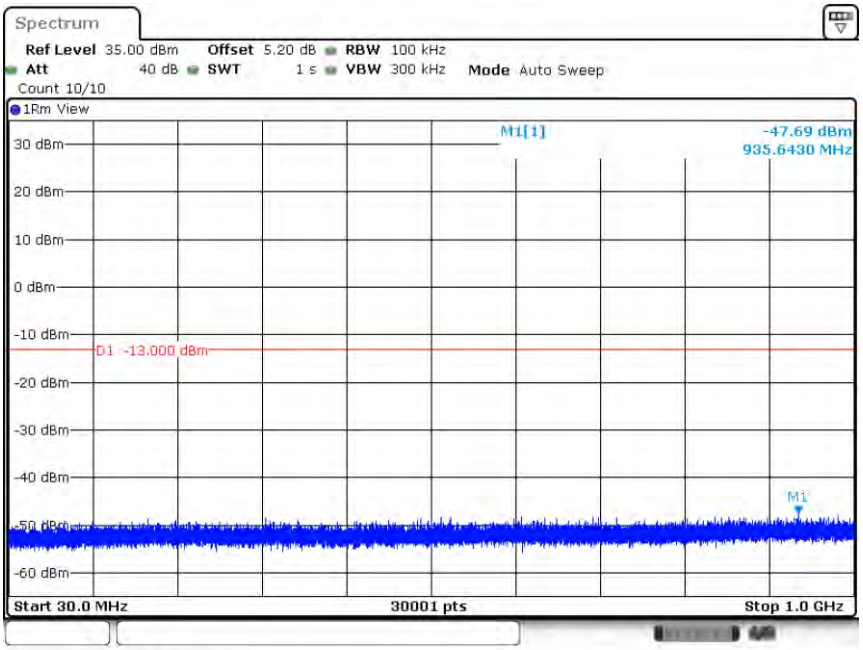

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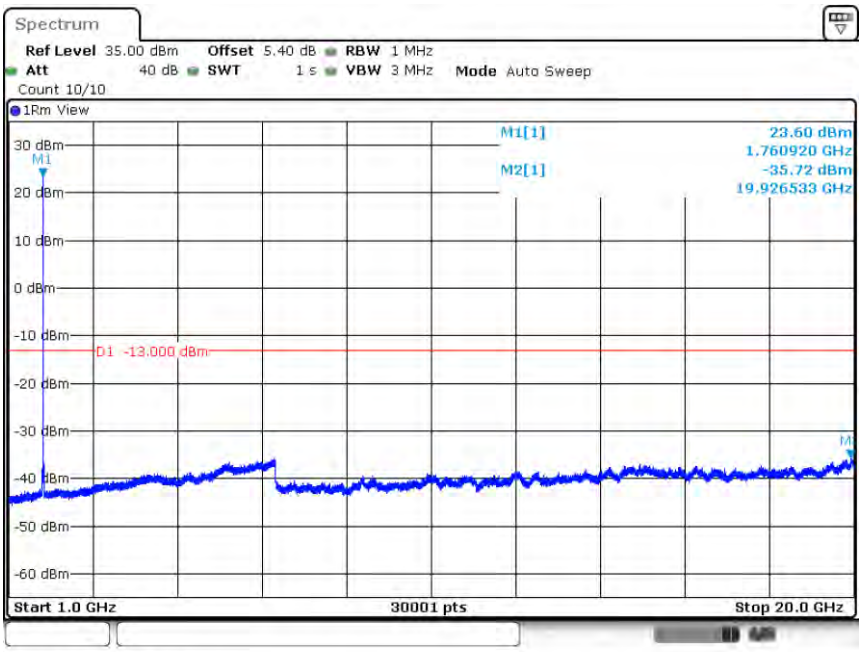
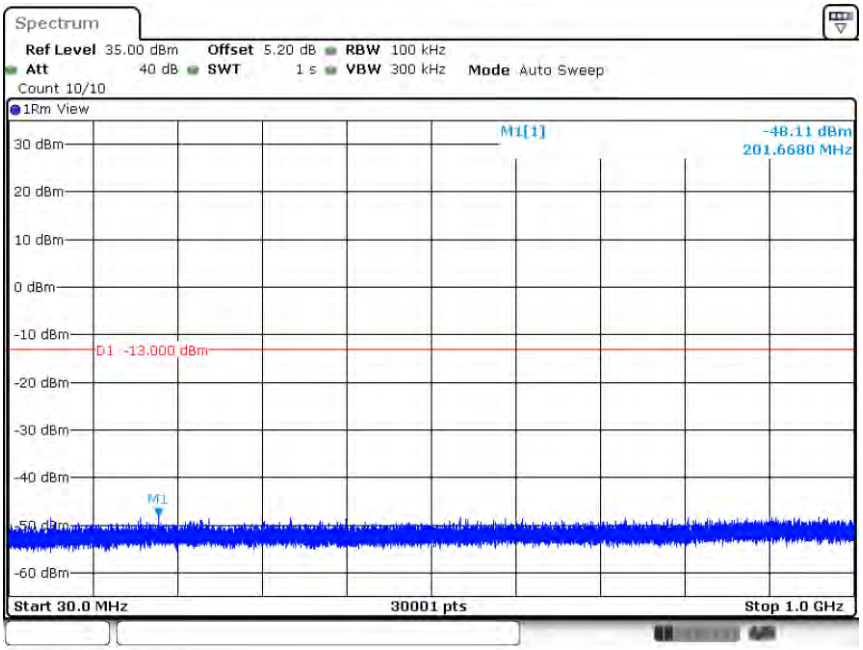


Date: 14.APR.2021 05:01:22

Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz



Date: 14.APR.2021 04:31:49

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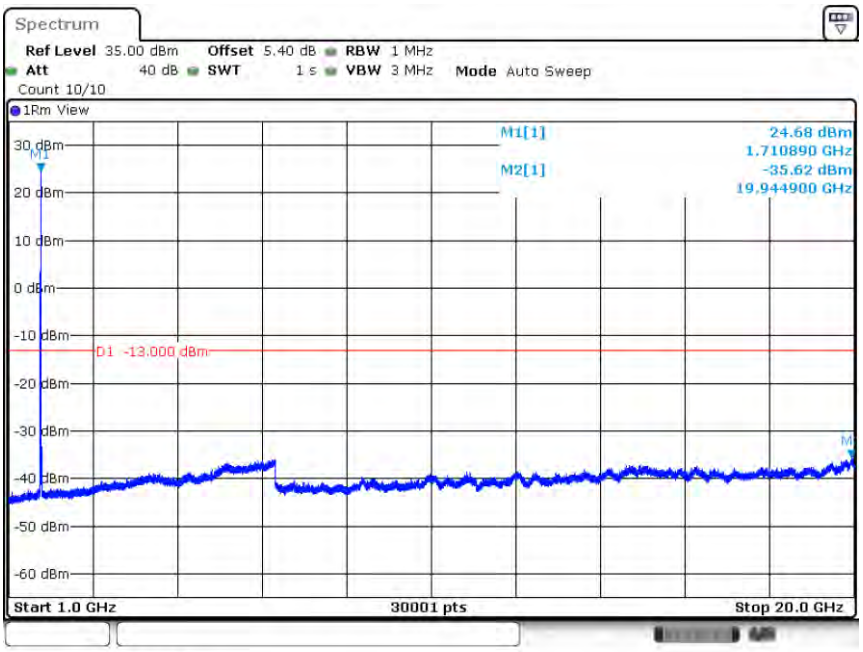
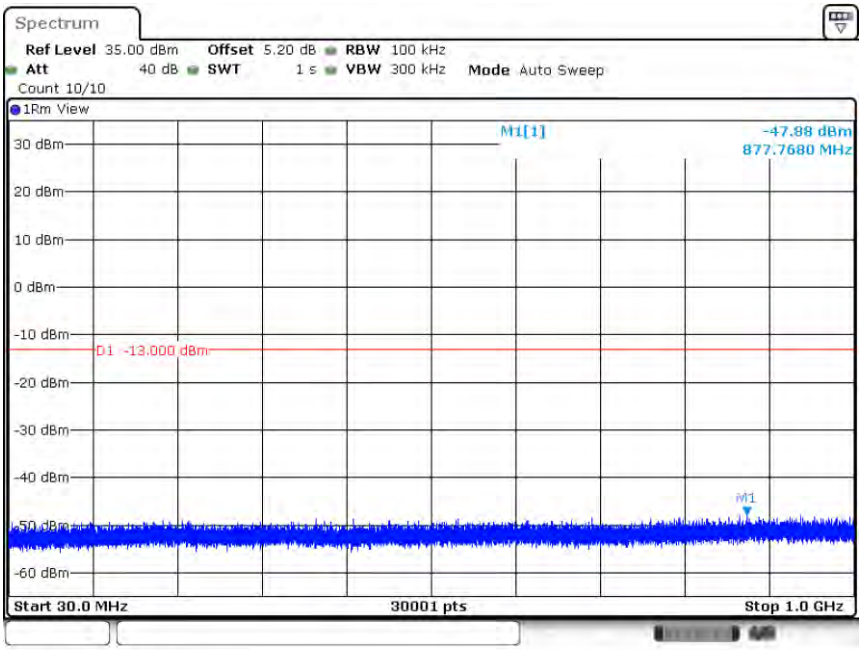
Band66-20MHz-16QAM-132072-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 04:32:05

Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



Date: 14.APR.2021 04:33:00

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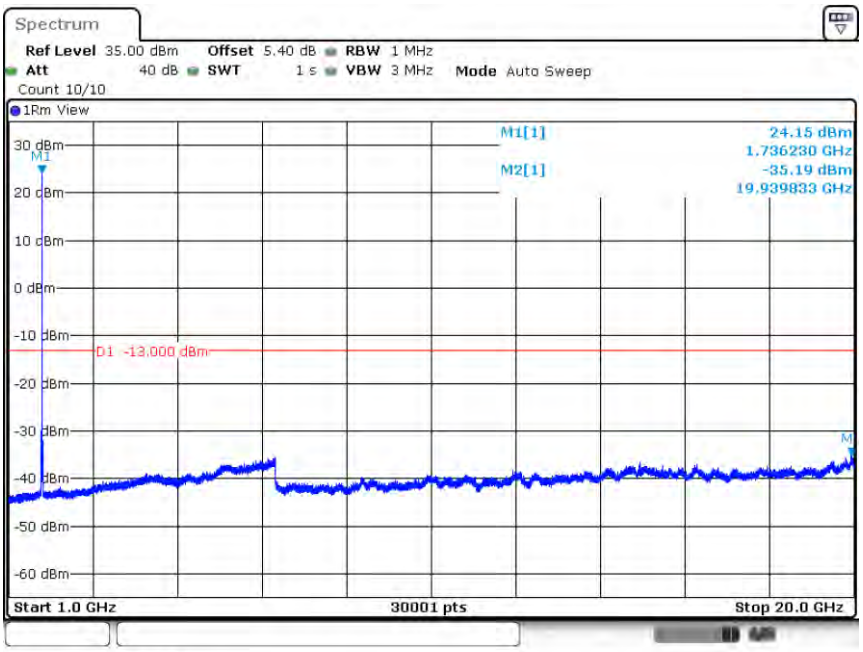
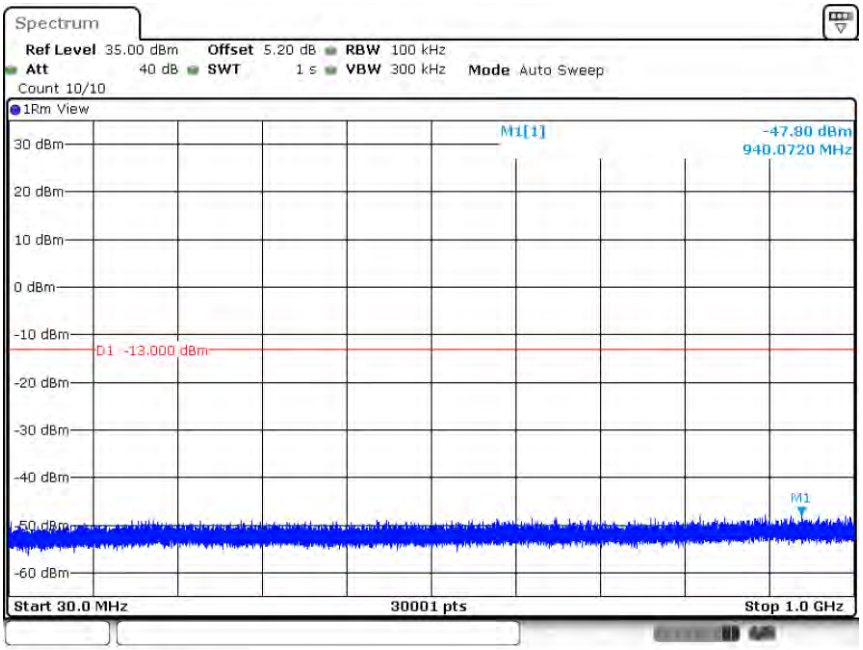
Band66-20MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 04:33:17

Band66-20MHz-16QAM-132572-1RB#0-Range1:30~1000MHz



Date: 14.APR.2021 04:34:12

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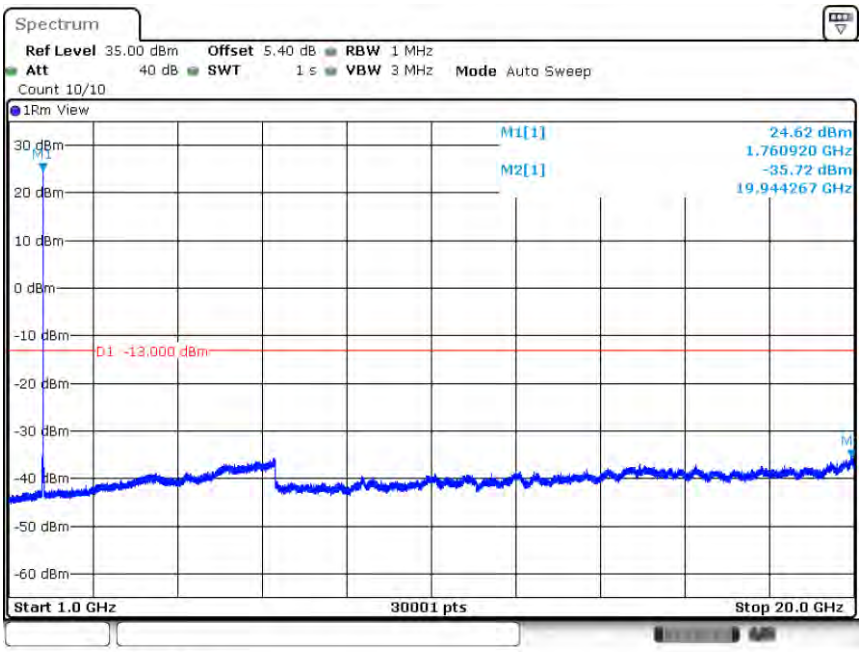
Band66-20MHz-16QAM-132572-1RB#0-Range2:1000~20000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_Band66 _TM1 ANT13

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.8525	-76.87	-44.48	-13.00	31.48	Horizontal
2	229.0925	-76.43	-48.13	-13.00	35.13	Horizontal
3	810.7288	-76.42	-42.41	-13.00	29.41	Horizontal
4	5132.4853	-51.87	-52.87	-13.00	39.87	Horizontal
5	13512.420	-61.13	-49.26	-13.00	36.26	Horizontal
6	17987.999	-58.78	-44.05	-13.00	31.05	Horizontal

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7.2. Test Band = LTE_Band66 _TM1 ANT13

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	111.3588	-76.81	-44.99	-13.00	31.99	Vertical
2	328.7600	-76.04	-49.01	-13.00	36.01	Vertical
3	594.5400	-76.16	-44.75	-13.00	31.75	Vertical
4	5296.8919	-54.93	-53.91	-13.00	40.91	Vertical
5	14278.6511	-60.03	-46.44	-13.00	33.44	Vertical
6	17989.799	-58.40	-38.93	-13.00	25.93	Vertical

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7.3. Test Band = LTE_Band66 _TM1 ANT13

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.1563	-77.03	-44.66	-13.00	31.66	Horizontal
2	240.9750	-76.00	-47.67	-13.00	34.67	Horizontal
3	782.4775	-75.68	-42.36	-13.00	29.36	Horizontal
4	5305.2922	-55.24	-53.71	-13.00	40.71	Horizontal
5	16394.335	-58.95	-43.28	-13.00	30.28	Horizontal
6	17990.399	-58.59	-43.87	-13.00	30.87	Horizontal

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7.4. Test Band = LTE_Band66 _TM1 ANT13

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	70.0125	-76.59	-49.48	-13.00	36.48	Vertical
2	110.3888	-76.90	-44.99	-13.00	31.99	Vertical
3	475.7150	-75.74	-47.12	-13.00	34.12	Vertical
4	5319.6928	-54.64	-53.83	-13.00	40.83	Vertical
5	14299.652	-59.84	-45.94	-13.00	32.94	Vertical
6	17983.799	-58.61	-39.13	-13.00	26.13	Vertical

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7.5. Test Band = LTE_Band66 _TM1 ANT13

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.3975	-76.37	-44.02	-13.00	31.02	Horizontal
2	240.6113	-76.00	-47.66	-13.00	34.66	Horizontal
3	866.6250	-75.13	-40.40	-13.00	27.40	Horizontal
4	5293.2917	-55.18	-53.71	-13.00	40.71	Horizontal
5	16400.336	-58.84	-42.95	-13.00	29.95	Horizontal
6	17993.399	-58.64	-43.92	-13.00	30.92	Horizontal

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7.6. Test Band = LTE_Band66 _TM1 ANT13

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	111.7225	-76.99	-45.20	-13.00	32.20	Vertical
2	288.1413	-75.98	-49.06	-13.00	36.06	Vertical
3	613.2125	-75.95	-44.60	-13.00	31.60	Vertical
4	5283.0913	-53.67	-52.92	-13.00	39.92	Vertical
5	14281.051	-60.00	-46.37	-13.00	33.37	Vertical
6	17971.798	-58.53	-39.02	-13.00	26.02	Vertical

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7.7. Test Band LTE_Band66 _TM1 ANT31

7.7.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.8825	-76.23	-43.87	-13.00	30.87	Horizontal
2	231.0325	-76.36	-47.88	-13.00	34.88	Horizontal
3	752.2863	-76.22	-42.77	-13.00	29.77	Horizontal
4	5303.4921	-54.87	-53.31	-13.00	40.31	Horizontal
5	16400.936	-59.02	-43.16	-13.00	30.16	Horizontal
6	17992.199	-58.81	-44.09	-13.00	31.09	Horizontal

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7.8. Test Band LTE_Band66 _TM1 ANT31

7.8.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	106.8725	-76.34	-45.18	-13.00	32.18	Vertical
2	599.2688	-76.30	-44.76	-13.00	31.76	Vertical
3	2417.6567	-83.53	-60.19	-13.00	47.19	Vertical
4	5287.2915	-54.77	-53.94	-13.00	40.94	Vertical
5	14837.873	-59.92	-46.38	-13.00	33.38	Vertical
6	17993.999	-58.75	-39.29	-13.00	26.29	Vertical

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7.9. Test Band LTE_Band66 _TM1 ANT31

7.9.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.5800	-76.96	-44.55	-13.00	31.55	Horizontal
2	237.3375	-76.06	-47.66	-13.00	34.66	Horizontal
3	853.2875	-75.82	-41.56	-13.00	28.56	Horizontal
4	5319.6928	-54.79	-53.48	-13.00	40.48	Horizontal
5	16393.135	-58.67	-43.05	-13.00	30.05	Horizontal
6	17997.599	-58.52	-43.81	-13.00	30.81	Horizontal

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7.10. Test Band LTE_Band66 _TM1 ANT31

7.10.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	110.9950	-76.43	-44.58	-13.00	31.58	Vertical
2	256.8588	-75.55	-50.54	-13.00	37.54	Vertical
3	621.0938	-75.90	-44.46	-13.00	31.46	Vertical
4	5274.0910	-55.09	-54.52	-13.00	41.52	Vertical
5	14901.476	-60.33	-46.27	-13.00	33.27	Vertical
6	17987.999	-58.18	-38.71	-13.00	25.71	Vertical

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7.11. Test Band LTE_Band66 _TM1 ANT31

7.11.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.3988	-77.37	-45.15	-13.00	32.15	Horizontal
2	250.1900	-76.82	-48.90	-13.00	35.90	Horizontal
3	670.4425	-75.18	-43.26	-13.00	30.26	Horizontal
4	5301.6921	-55.12	-53.54	-13.00	40.54	Horizontal
5	16396.135	-59.19	-43.45	-13.00	30.45	Horizontal
6	17990.399	-58.40	-43.68	-13.00	30.68	Horizontal

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7.12. Test Band = LTE_Band66 _TM1 ANT31

7.12.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	108.6913	-76.50	-44.88	-13.00	31.88	Vertical
2	293.4763	-76.11	-49.17	-13.00	36.17	Vertical
3	557.1950	-75.84	-46.12	-13.00	33.12	Vertical
4	5283.0913	-54.62	-53.87	-13.00	40.87	Vertical
5	14276.8511	-59.69	-46.12	-13.00	33.12	Vertical
6	17990.999	-58.52	-39.06	-13.00	26.06	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

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	-2.60	-0.001512	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	2.20	0.001279	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	3.60	0.002093	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	1.00	0.000573	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	2.20	0.001261	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	0.60	0.000344	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	-1.10	-0.000621	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	0.40	0.000226	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	-0.90	-0.000508	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	VL	NT	-2.30	-0.001337	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	VN	NT	2.90	0.001686	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	VH	NT	3.00	0.001744	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	VL	NT	-1.10	-0.000630	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	VN	NT	4.30	0.002464	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	VH	NT	0.50	0.000287	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	VL	NT	2.60	0.001469	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	VN	NT	3.50	0.001977	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	VH	NT	-0.80	-0.000452	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	4.20	0.002442	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	0.90	0.000523	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	3.90	0.002267	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	2.70	0.001547	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	3.90	0.002235	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	7.20	0.004126	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	3.00	0.001695	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	0.30	0.000169	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	1.90	0.001073	±2.5	PASS

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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	7.00	0.004070	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	5.20	0.003023	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-10	0.60	0.000349	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	1.30	0.000756	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	0.20	0.000116	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	-0.30	-0.000174	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	40	3.10	0.001802	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	50	-0.20	-0.000116	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-0.40	-0.000229	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	1.00	0.000573	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	3.20	0.001834	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	1.60	0.000917	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	0.30	0.000172	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	2.00	0.001146	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-0.30	-0.000172	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	0.20	0.000115	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-1.30	-0.000745	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	-2.40	-0.001356	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	4.10	0.002316	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-10	4.00	0.002260	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	-2.20	-0.001243	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	2.50	0.001412	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	30	2.10	0.001186	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	40	2.20	0.001243	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	50	3.30	0.001864	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	-30	-1.50	-0.000872	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	-20	1.40	0.000814	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	-10	0.40	0.000233	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	0	4.50	0.002616	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	10	4.90	0.002849	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	20	4.00	0.002326	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	30	5.60	0.003256	±2.5	PASS

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Band66	20MHz	64QAM	132072	100RB#0	NV	40	3.30	0.001919	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	50	-0.40	-0.000233	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	-30	0.20	0.000115	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	-20	0.50	0.000287	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	-10	6.40	0.003668	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	0	4.90	0.002808	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	10	6.20	0.003553	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	20	6.90	0.003954	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	30	5.80	0.003324	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	40	3.60	0.002063	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	50	3.70	0.002120	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	-30	0.30	0.000169	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	-10	1.30	0.000734	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	0	1.80	0.001017	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	10	-1.00	-0.000565	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	20	-1.30	-0.000734	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	30	3.10	0.001751	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	40	2.30	0.001299	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	50	-2.60	-0.001469	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	-0.30	-0.000174	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-20	2.90	0.001686	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-10	3.20	0.001860	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	1.20	0.000698	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	-0.50	-0.000291	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	-1.00	-0.000581	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	30	-0.30	-0.000174	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	40	-1.60	-0.000930	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	50	1.00	0.000581	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	3.80	0.002178	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	6.30	0.003610	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-10	2.90	0.001662	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-0.30	-0.000172	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	8.10	0.004642	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	6.40	0.003668	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	30	5.90	0.003381	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	40	0.90	0.000516	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	50	5.10	0.002923	±2.5	PASS

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Band66	20MHz	16QAM	132572	100RB#0	NV	-30	0.50	0.000282	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	3.80	0.002147	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-10	-1.40	-0.000791	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-1.30	-0.000734	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	2.00	0.001130	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	30	2.70	0.001525	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	40	2.00	0.001130	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	50	2.00	0.001130	±2.5	PASS

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