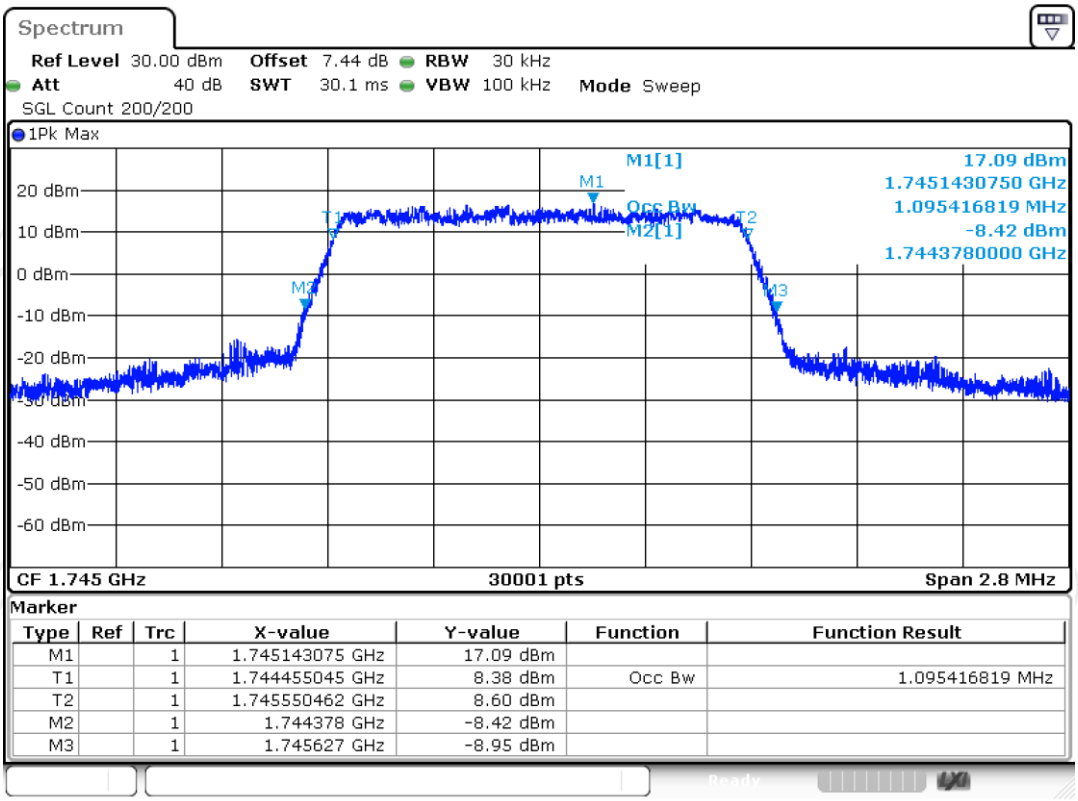
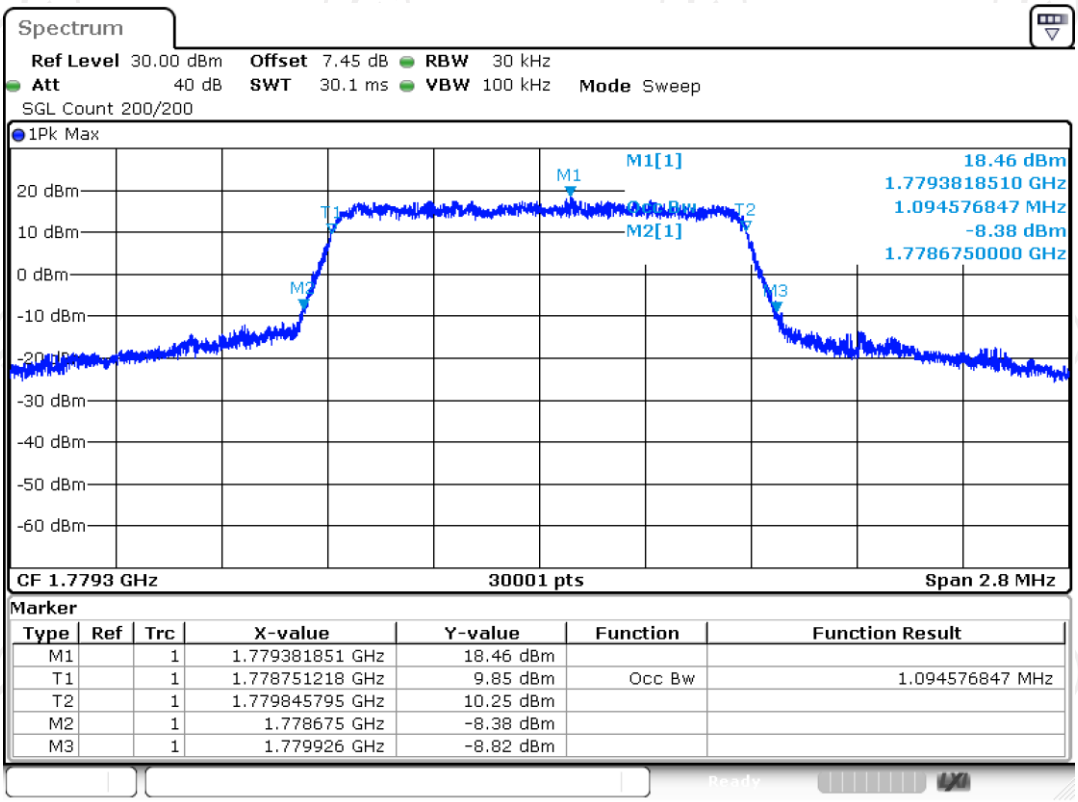


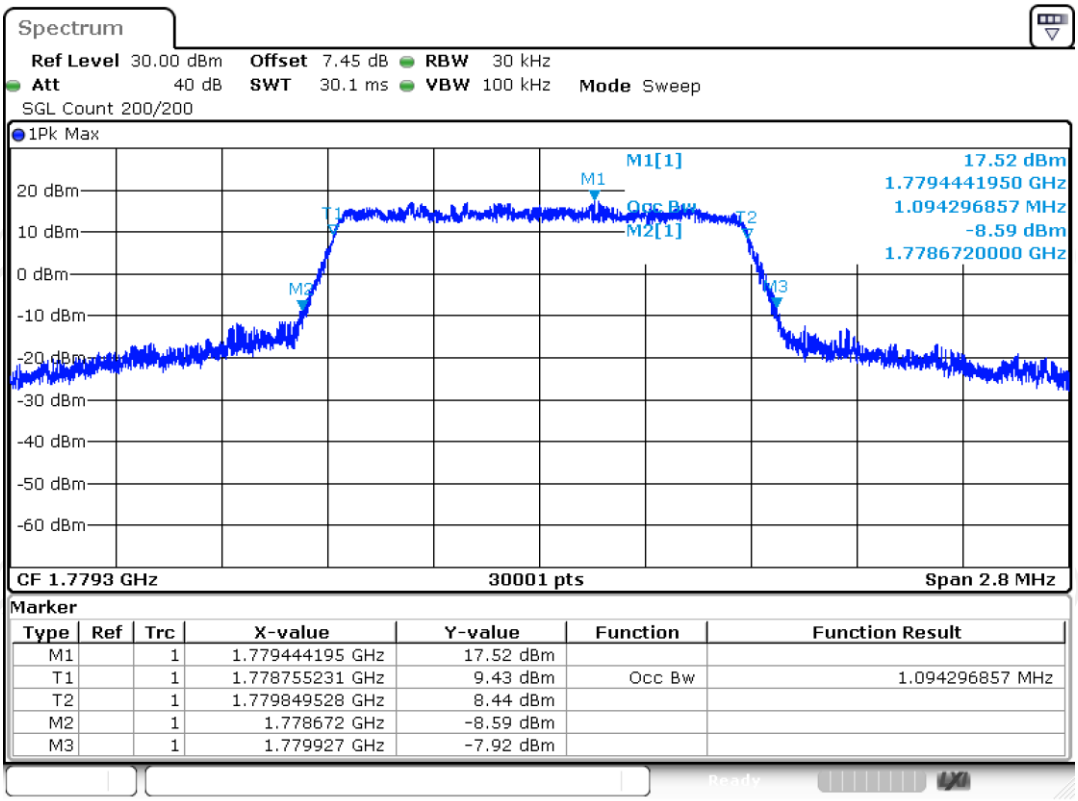
Date: 10.OCT.2023 15:22:46

Band66 QPSK BW=1.4MHz Channel=132665 RB Size=6 Position=#0



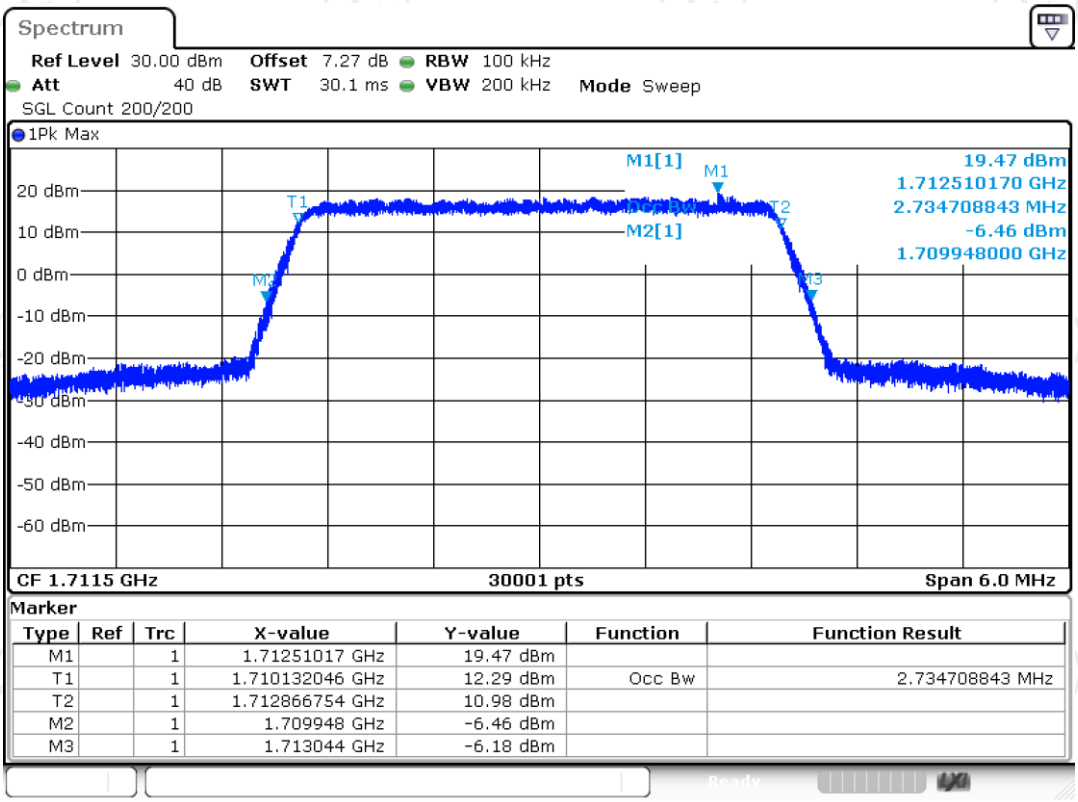
Date: 10.OCT.2023 15:23:05

Band66 16QAM BW=1.4MHz Channel=132665 RB Size=6 Position=#0



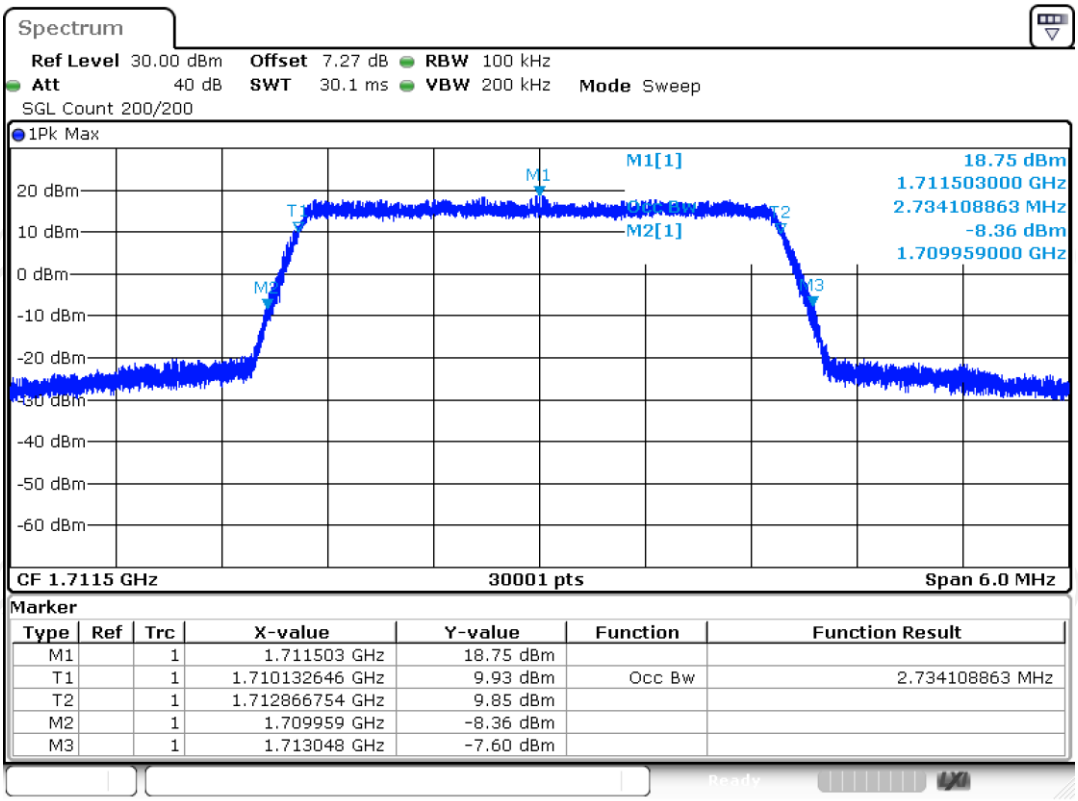
Date: 10.OCT.2023 15:23:23

Band66 QPSK BW=3MHz Channel=131987 RB Size=15 Position=#0



Date: 10.OCT.2023 15:23:41

Band66 16QAM BW=3MHz Channel=131987 RB Size=15 Position=#0

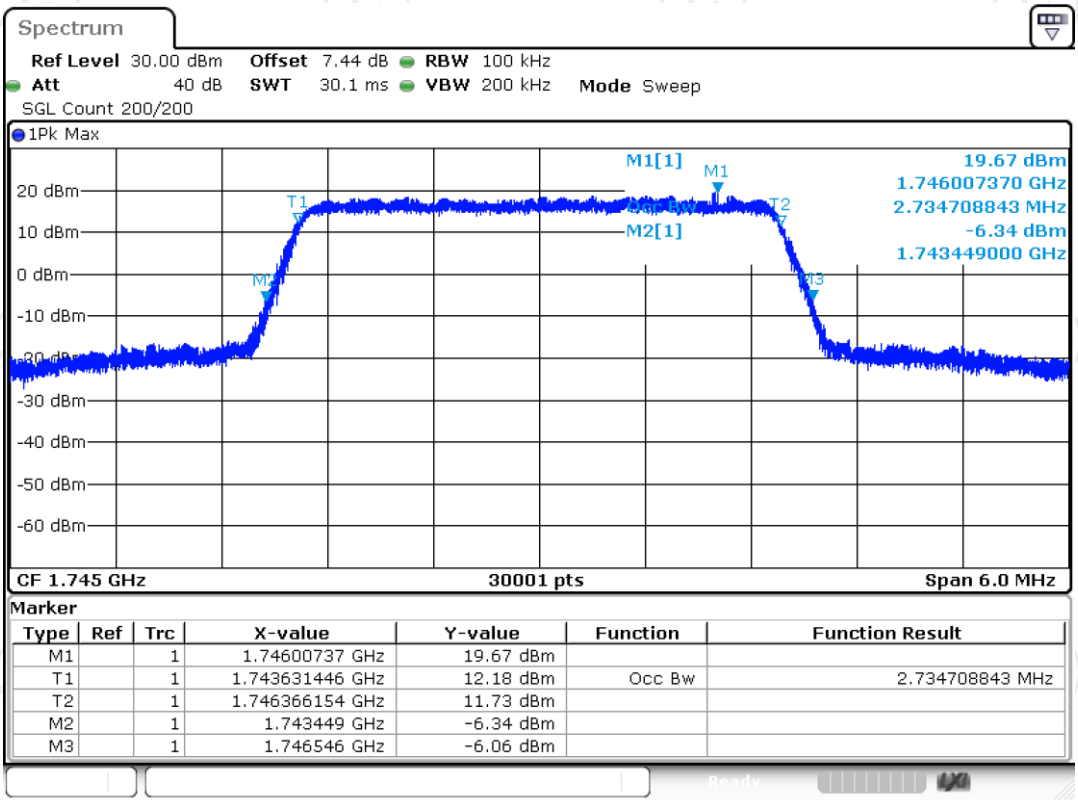


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.711503 GHz	18.75 dBm		
T1		1	1.710132646 GHz	9.93 dBm	Occ Bw	2.734108863 MHz
T2		1	1.712866754 GHz	9.85 dBm		
M2		1	1.709959 GHz	-8.36 dBm		
M3		1	1.713048 GHz	-7.60 dBm		

Date: 10.OCT.2023 15:23:58

Band66 QPSK BW=3MHz Channel=132322 RB Size=15 Position=#0

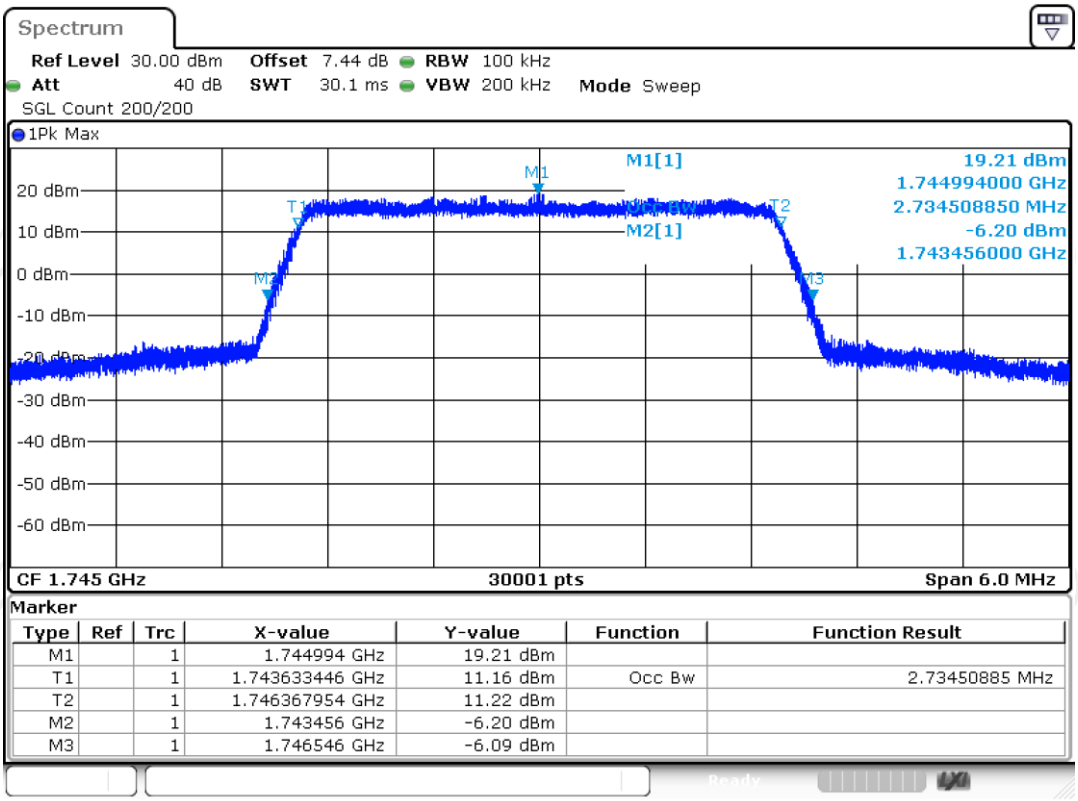


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74600737 GHz	19.67 dBm		
T1		1	1.743631446 GHz	12.18 dBm	Occ Bw	2.734708843 MHz
T2		1	1.746366154 GHz	11.73 dBm		
M2		1	1.743449 GHz	-6.34 dBm		
M3		1	1.746546 GHz	-6.06 dBm		

Date: 10.OCT.2023 15:24:16

Band66 16QAM BW=3MHz Channel=132322 RB Size=15 Position=#0

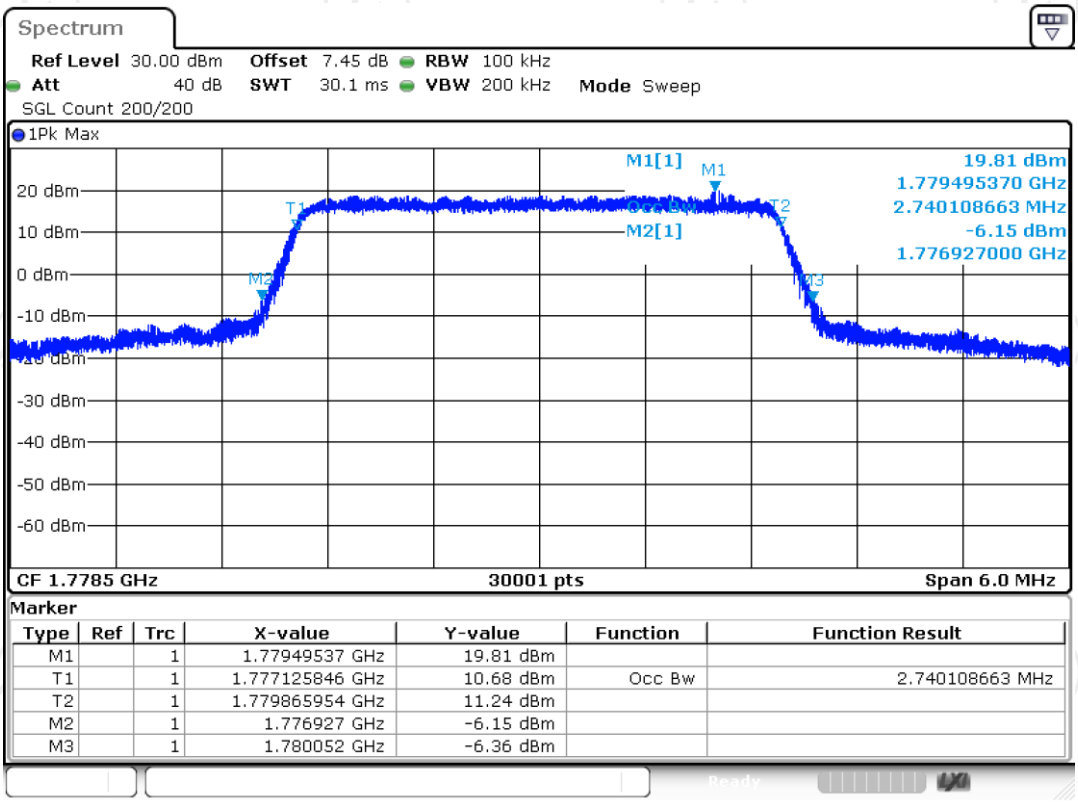


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.744994 GHz	19.21 dBm		
T1		1	1.743633446 GHz	11.16 dBm	Occ Bw	2.73450885 MHz
T2		1	1.746367954 GHz	11.22 dBm		
M2		1	1.743456 GHz	-6.20 dBm		
M3		1	1.746546 GHz	-6.09 dBm		

Date: 10.OCT.2023 15:24:32

Band66 QPSK BW=3MHz Channel=132657 RB Size=15 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.77949537 GHz	19.81 dBm		
T1		1	1.777125846 GHz	10.68 dBm	Occ Bw	2.740108663 MHz
T2		1	1.779865954 GHz	11.24 dBm		
M2		1	1.776927 GHz	-6.15 dBm		
M3		1	1.780052 GHz	-6.36 dBm		

Date: 10.OCT.2023 15:24:50

Band66 16QAM BW=3MHz Channel=132657 RB Size=15 Position=#0

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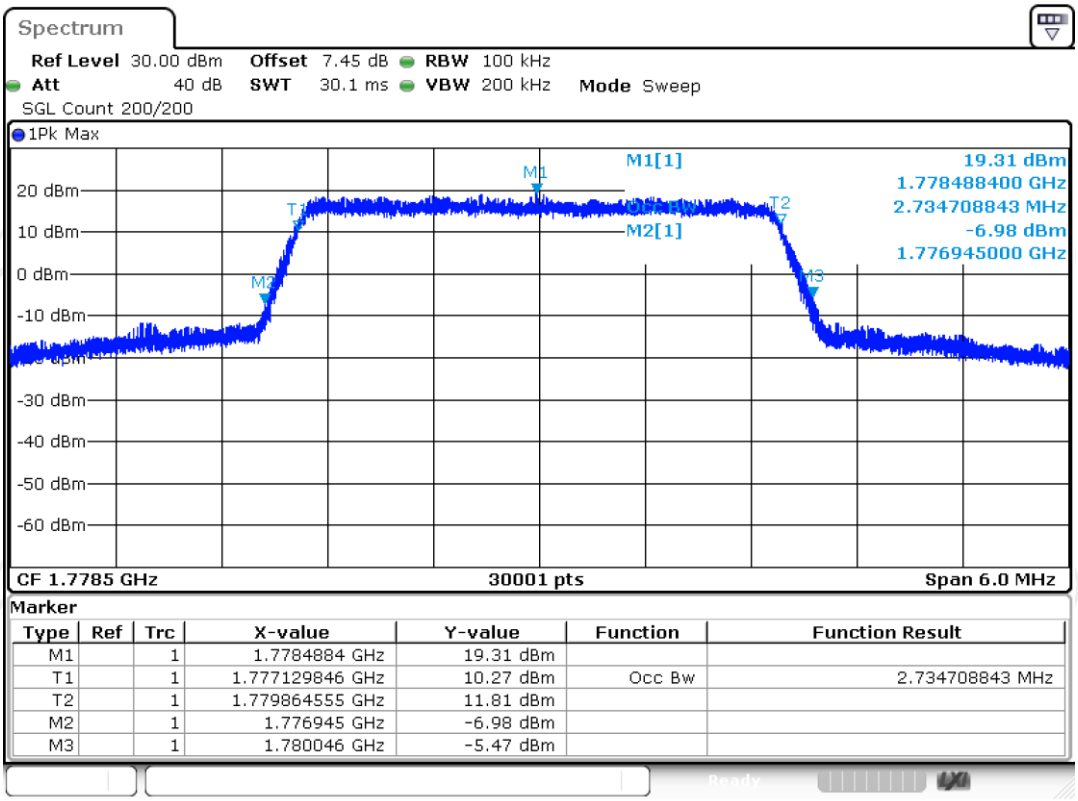
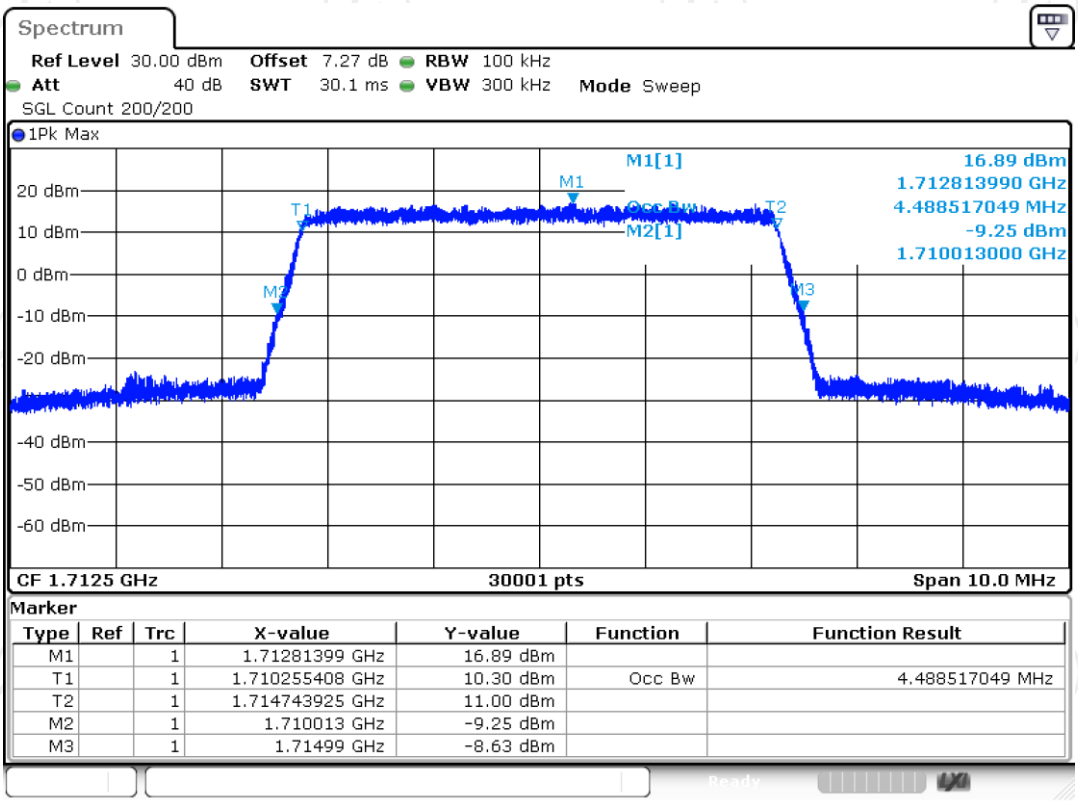


Date: 10.OCT.2023 15:25:07

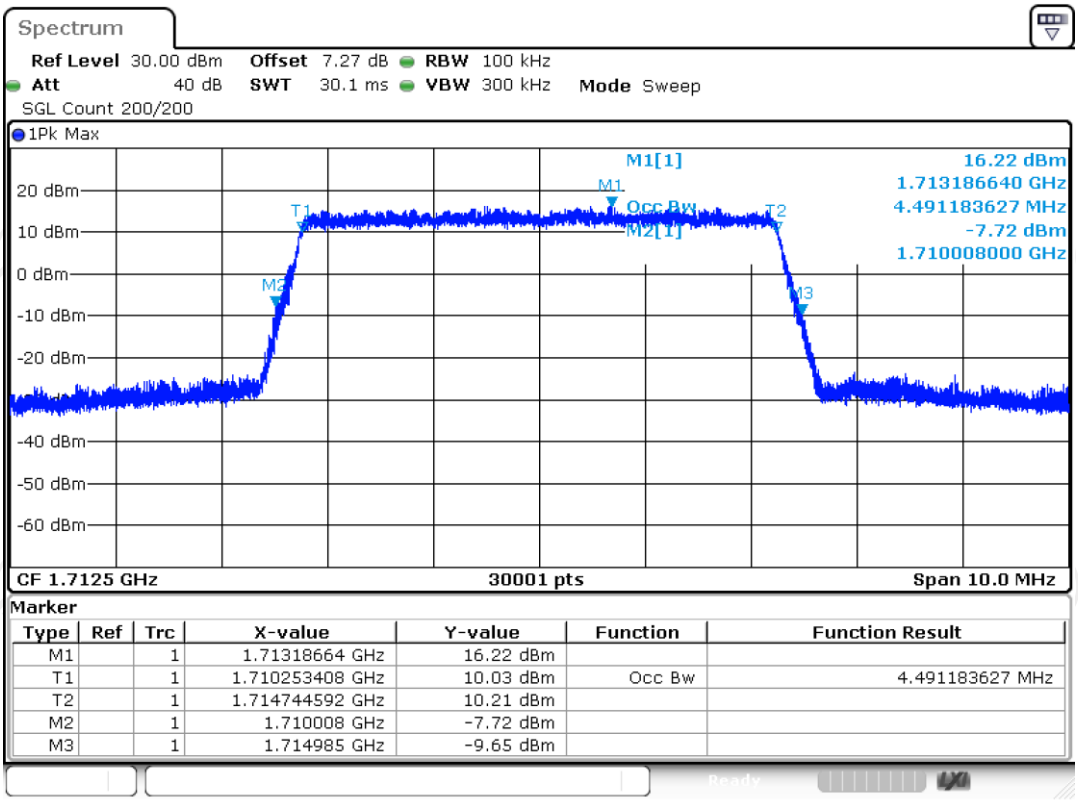
Band66 QPSK BW=5MHz Channel=131997 RB Size=25 Position=#0



Date: 10.OCT.2023 15:25:25

Band66 16QAM BW=5MHz Channel=131997 RB Size=25 Position=#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

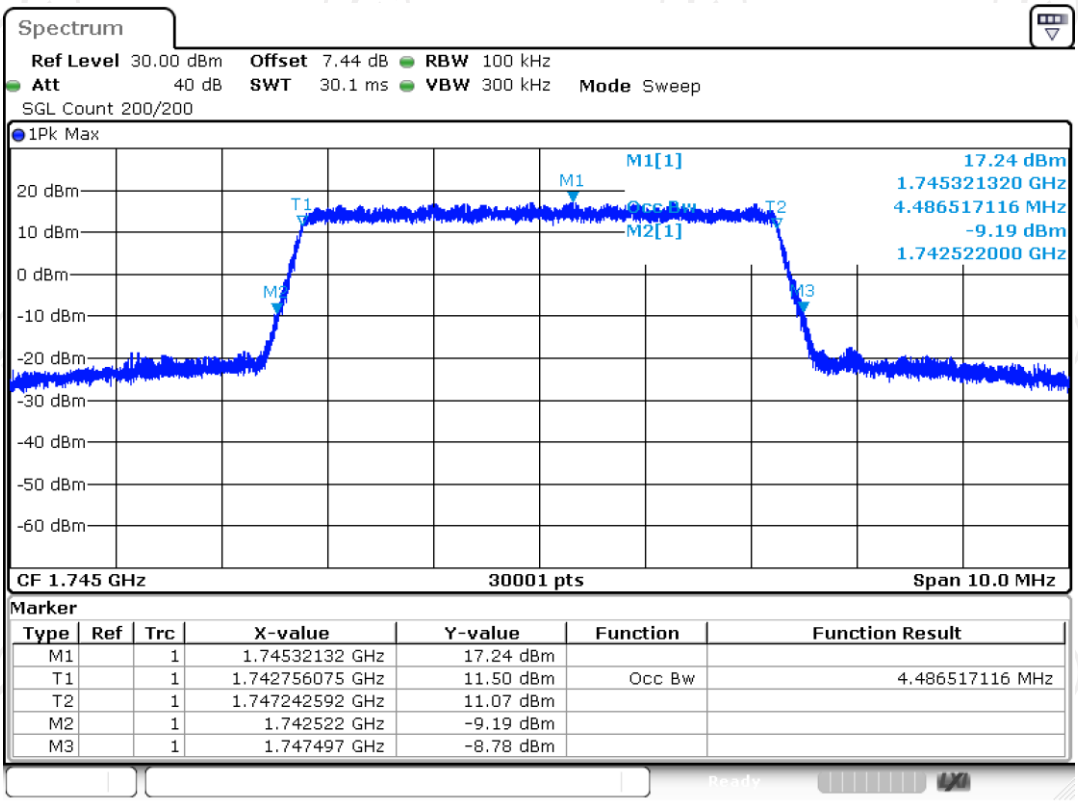


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71318664 GHz	16.22 dBm		
T1		1	1.710253408 GHz	10.03 dBm	Occ Bw	4.491183627 MHz
T2		1	1.714744592 GHz	10.21 dBm		
M2		1	1.710008 GHz	-7.72 dBm		
M3		1	1.714985 GHz	-9.65 dBm		

Date: 10.OCT.2023 15:25:43

Band66 QPSK BW=5MHz Channel=132322 RB Size=25 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74532132 GHz	17.24 dBm		
T1		1	1.742756075 GHz	11.50 dBm	Occ Bw	4.486517116 MHz
T2		1	1.747242592 GHz	11.07 dBm		
M2		1	1.742522 GHz	-9.19 dBm		
M3		1	1.747497 GHz	-8.78 dBm		

Date: 10.OCT.2023 15:26:00

Band66 16QAM BW=5MHz Channel=132322 RB Size=25 Position=#0

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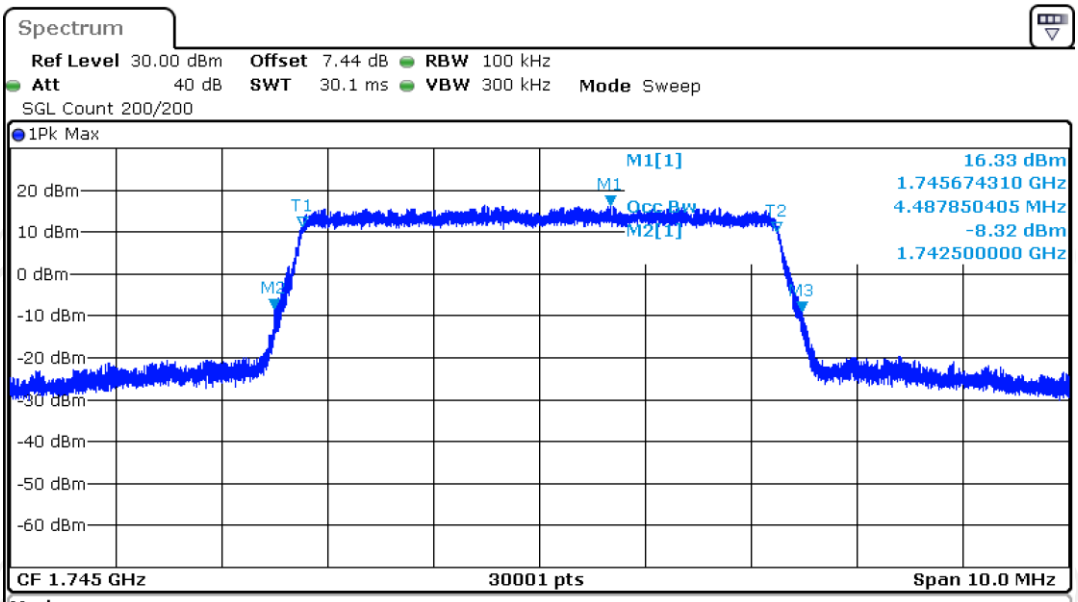
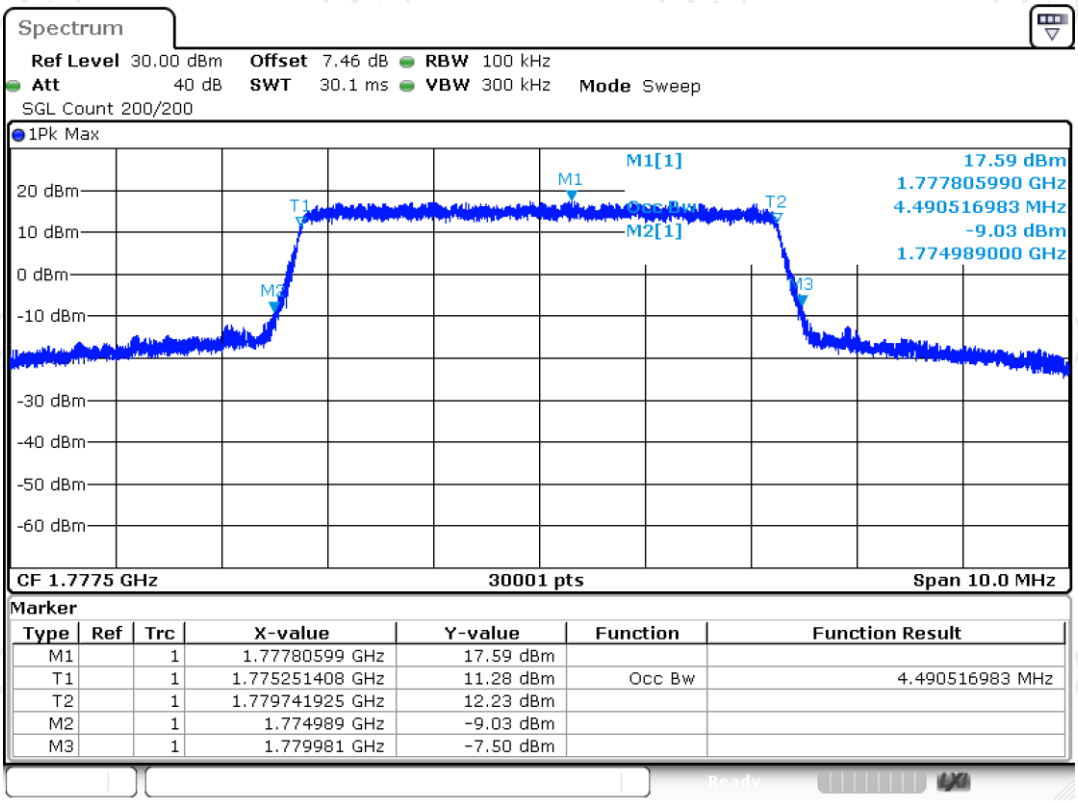


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74567431 GHz	16.33 dBm		
T1		1	1.742754742 GHz	11.28 dBm	Occ Bw	4.487850405 MHz
T2		1	1.747242592 GHz	10.20 dBm		
M2		1	1.7425 GHz	-8.32 dBm		
M3		1	1.747475 GHz	-8.90 dBm		

Date: 10.OCT.2023 15:26:18

Band66 QPSK BW=5MHz Channel=132647 RB Size=25 Position=#0

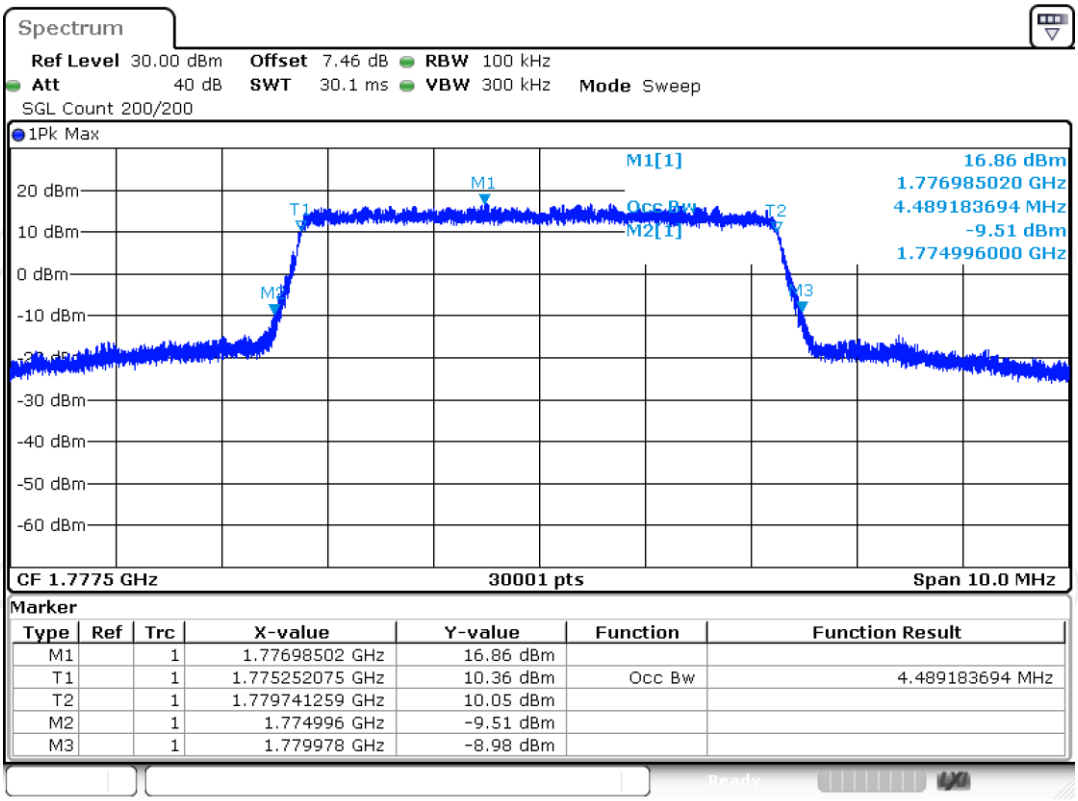


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.77780599 GHz	17.59 dBm		
T1		1	1.775251408 GHz	11.28 dBm	Occ Bw	4.490516983 MHz
T2		1	1.779741925 GHz	12.23 dBm		
M2		1	1.774989 GHz	-9.03 dBm		
M3		1	1.779981 GHz	-7.50 dBm		

Date: 10.OCT.2023 15:26:36

Band66 16QAM BW=5MHz Channel=132647 RB Size=25 Position=#0

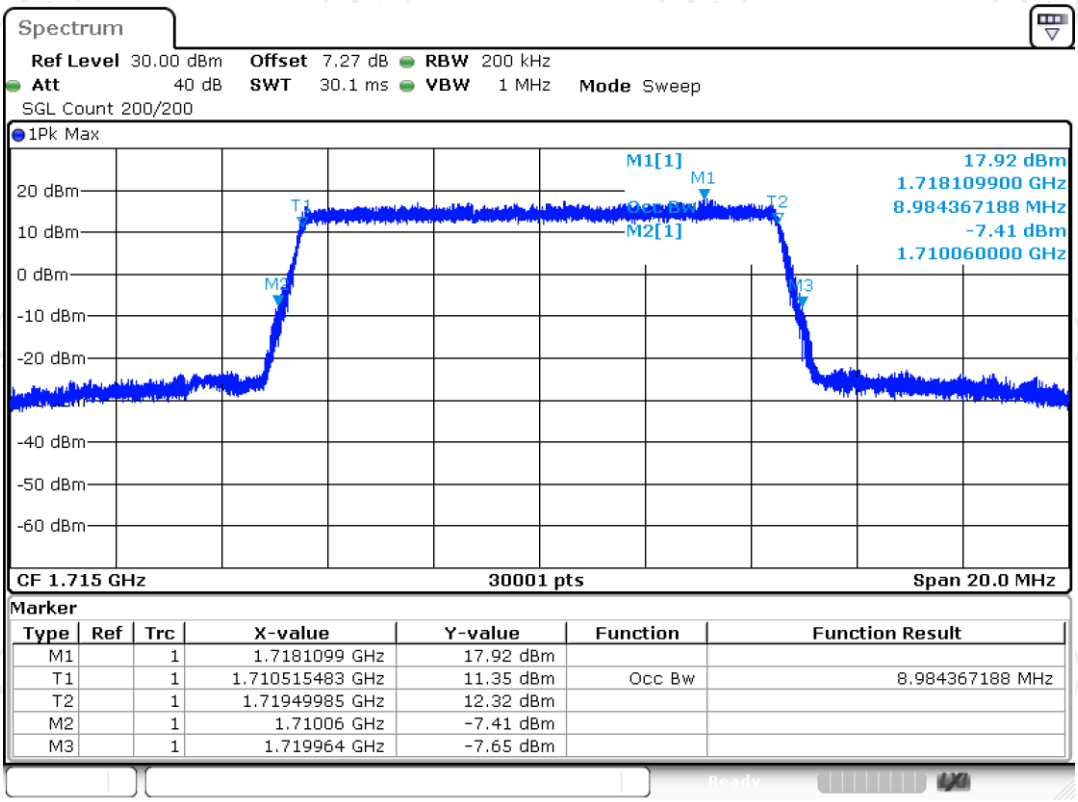


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.77698502 GHz	16.86 dBm		
T1		1	1.775252075 GHz	10.36 dBm	Occ Bw	4.489183694 MHz
T2		1	1.779741259 GHz	10.05 dBm		
M2		1	1.774996 GHz	-9.51 dBm		
M3		1	1.779978 GHz	-8.98 dBm		

Date: 10.OCT.2023 15:26:54

Band66 QPSK BW=10MHz Channel=132022 RB Size=50 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7181099 GHz	17.92 dBm		
T1		1	1.710515483 GHz	11.35 dBm	Occ Bw	8.984367188 MHz
T2		1	1.71949985 GHz	12.32 dBm		
M2		1	1.71006 GHz	-7.41 dBm		
M3		1	1.719964 GHz	-7.65 dBm		

Date: 10.OCT.2023 15:27:12

Band66 16QAM BW=10MHz Channel=132022 RB Size=50 Position=#0

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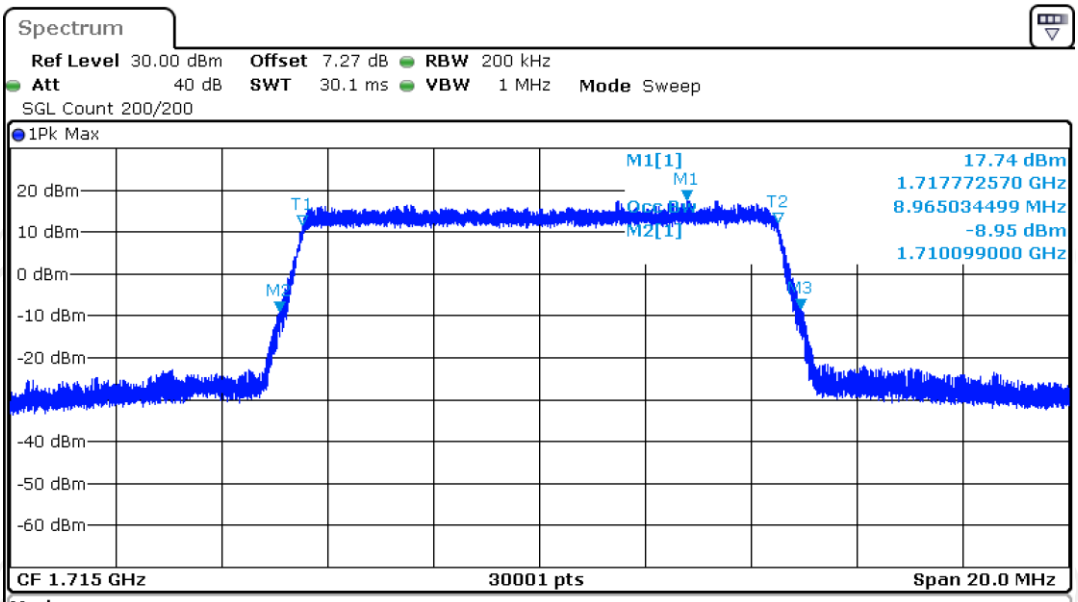
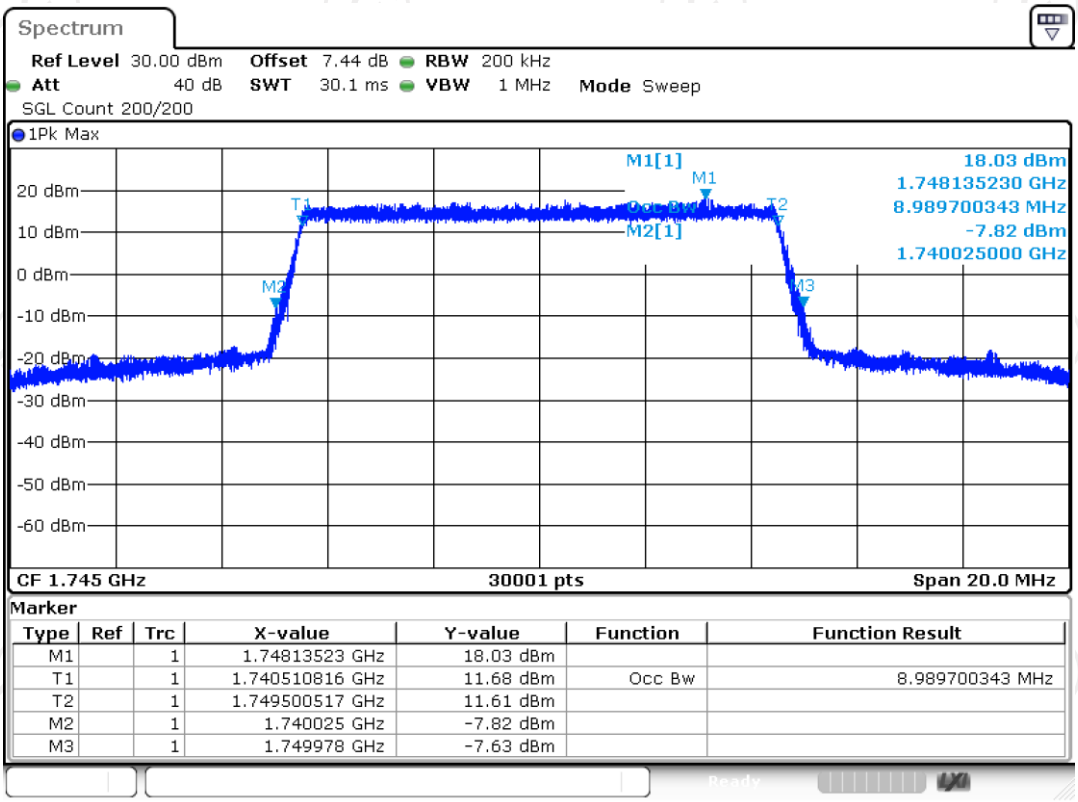


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71777257 GHz	17.74 dBm		
T1		1	1.710529482 GHz	11.50 dBm	Occ Bw	8.965034499 MHz
T2		1	1.719494517 GHz	12.14 dBm		
M2		1	1.710099 GHz	-8.95 dBm		
M3		1	1.719931 GHz	-8.20 dBm		

Date: 10.OCT.2023 15:27:30

Band66 QPSK BW=10MHz Channel=132322 RB Size=50 Position=#0

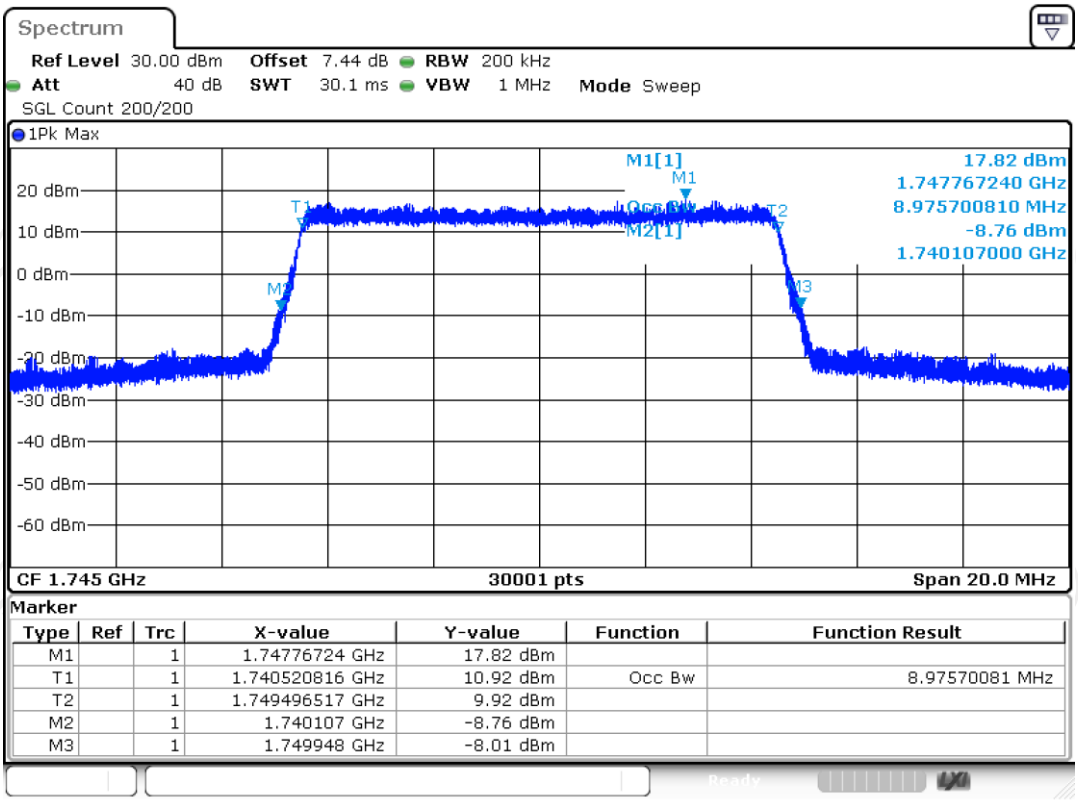


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74813523 GHz	18.03 dBm		
T1		1	1.740510816 GHz	11.68 dBm	Occ Bw	8.989700343 MHz
T2		1	1.749500517 GHz	11.61 dBm		
M2		1	1.740025 GHz	-7.82 dBm		
M3		1	1.749978 GHz	-7.63 dBm		

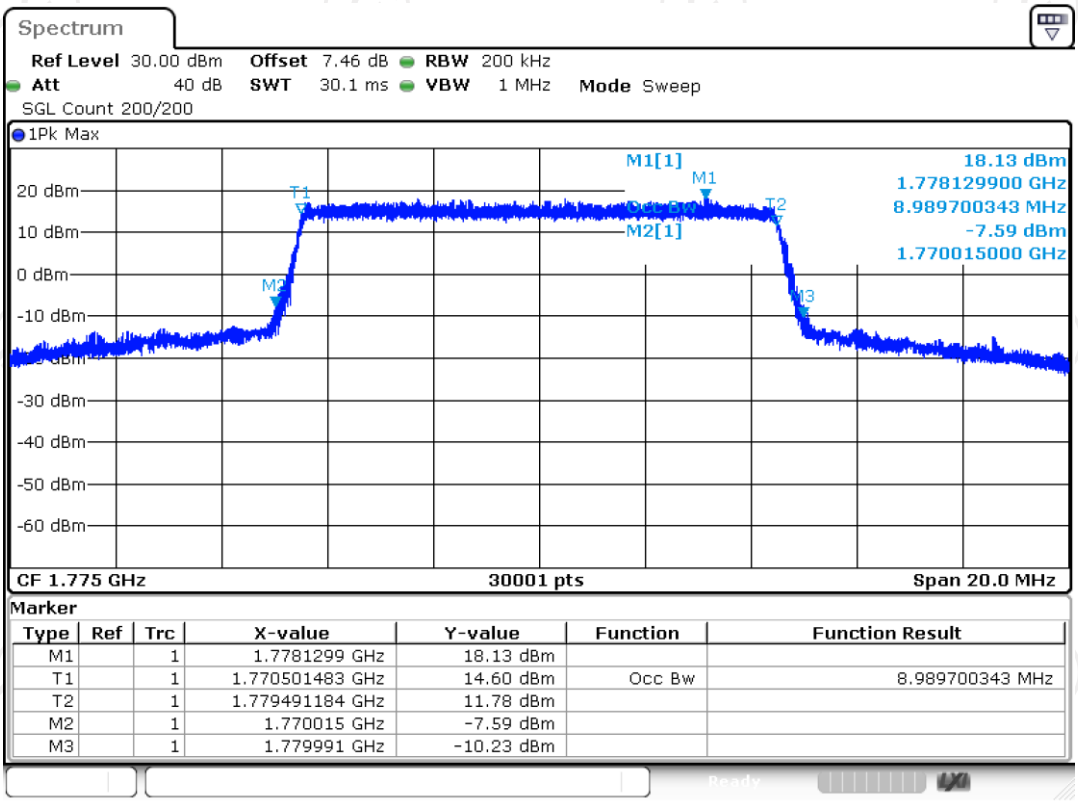
Date: 10.OCT.2023 15:27:48

Band66 16QAM BW=10MHz Channel=132322 RB Size=50 Position=#0



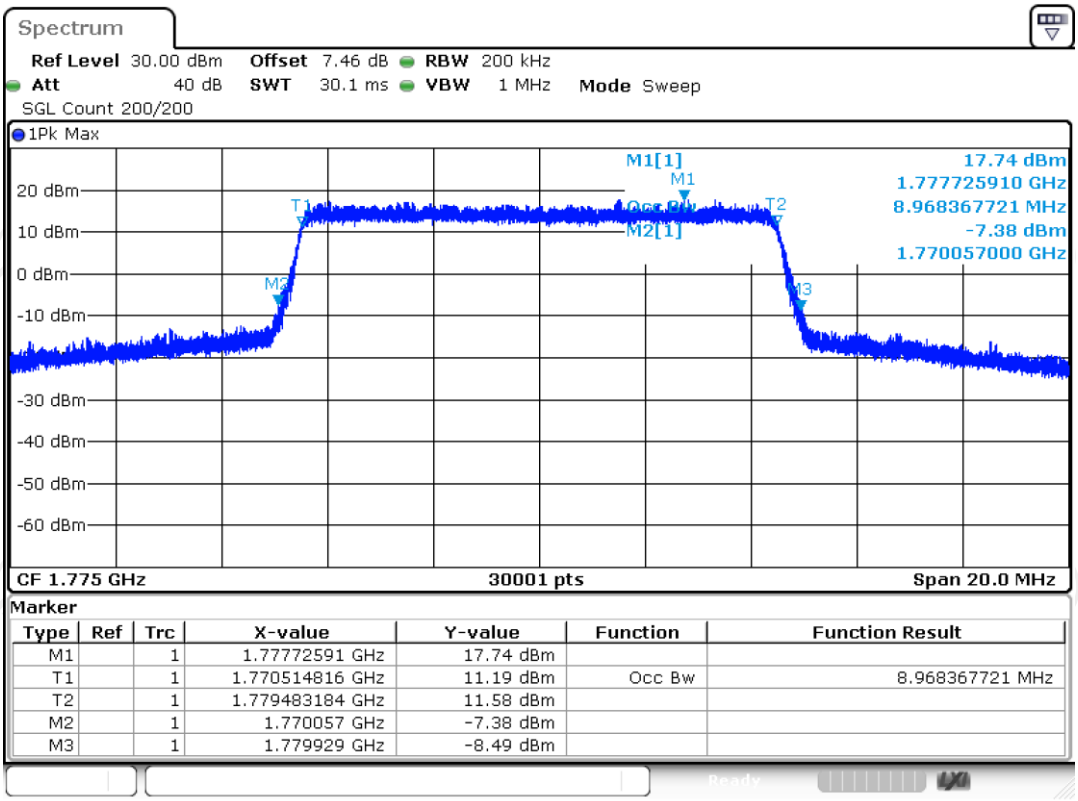
Date: 10.OCT.2023 15:28:07

Band66 QPSK BW=10MHz Channel=132622 RB Size=50 Position=#0



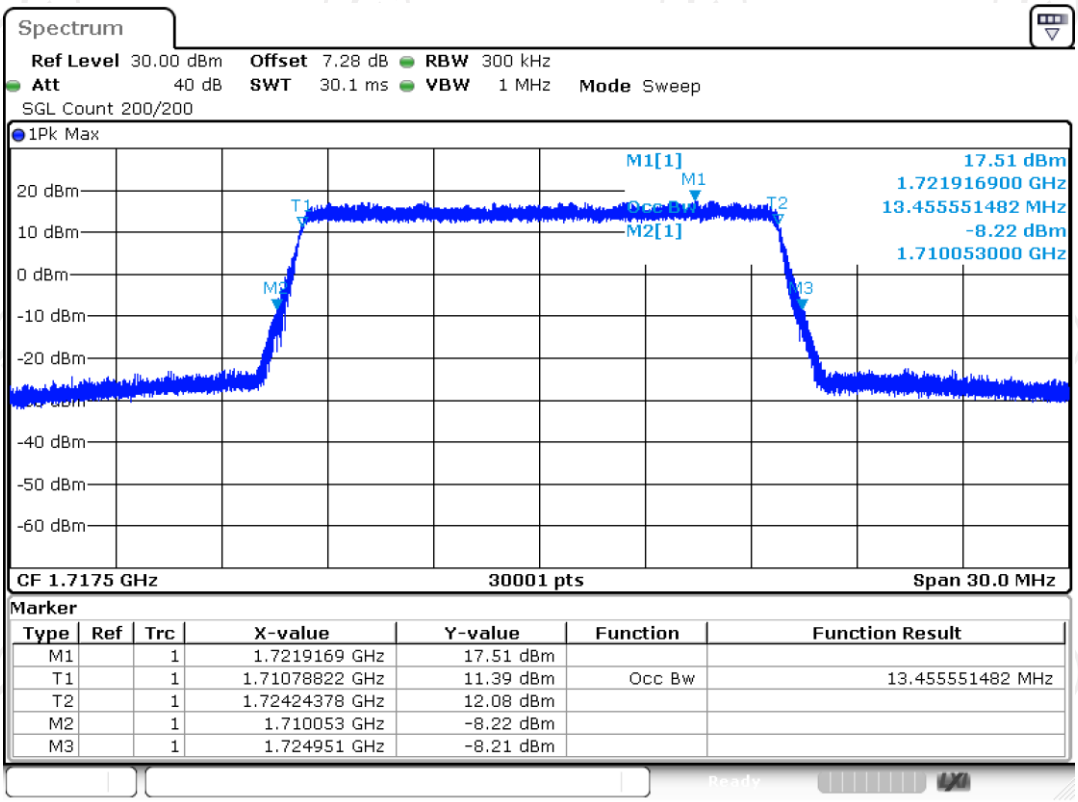
Date: 10.OCT.2023 15:28:25

Band66 16QAM BW=10MHz Channel=132622 RB Size=50 Position=#0



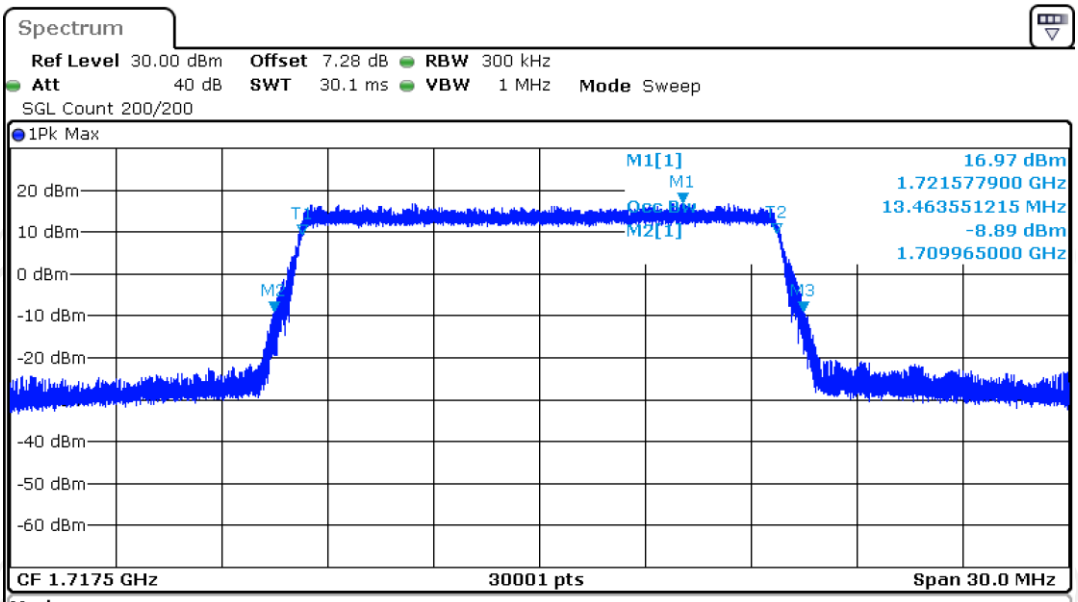
Date: 10.OCT.2023 15:28:44

Band66 QPSK BW=15MHz Channel=132047 RB Size=75 Position=#0



Date: 10.OCT.2023 15:29:01

Band66 16QAM BW=15MHz Channel=132047 RB Size=75 Position=#0

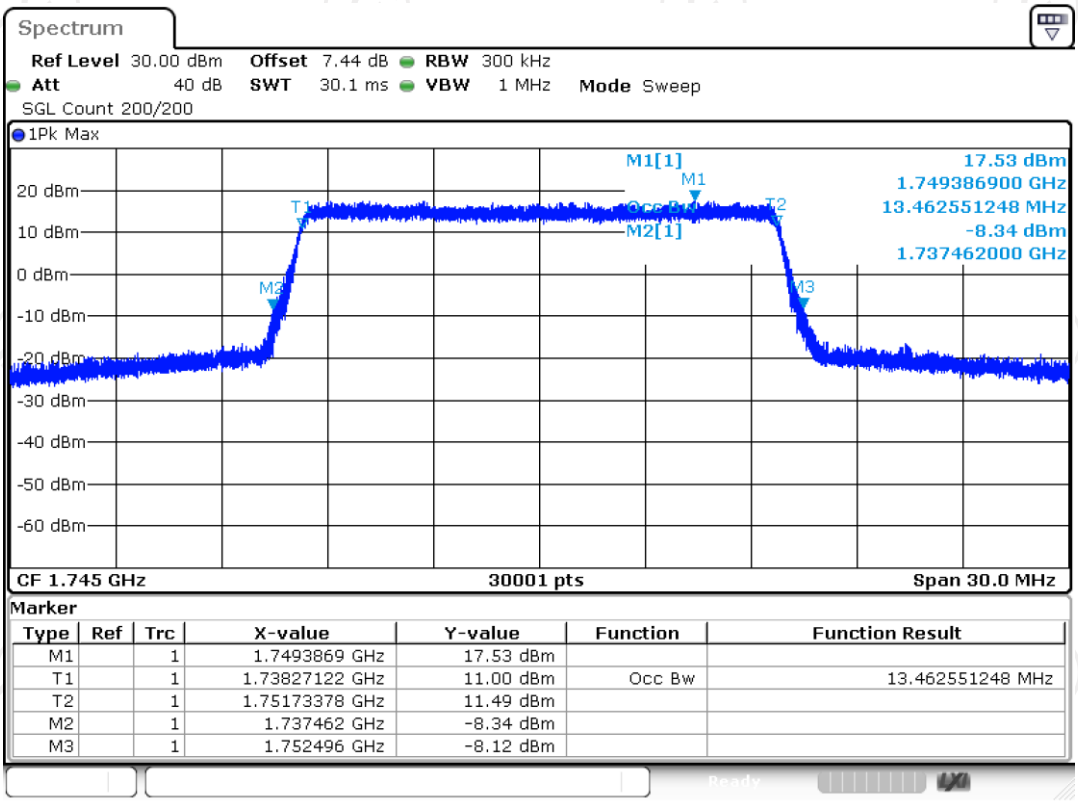


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7215779 GHz	16.97 dBm		
T1		1	1.71077322 GHz	9.31 dBm	Occ Bw	13.463551215 MHz
T2		1	1.72423678 GHz	9.77 dBm		
M2		1	1.709965 GHz	-8.89 dBm		
M3		1	1.724992 GHz	-8.91 dBm		

Date: 10.OCT.2023 15:29:18

Band66 QPSK BW=15MHz Channel=132322 RB Size=75 Position=#0

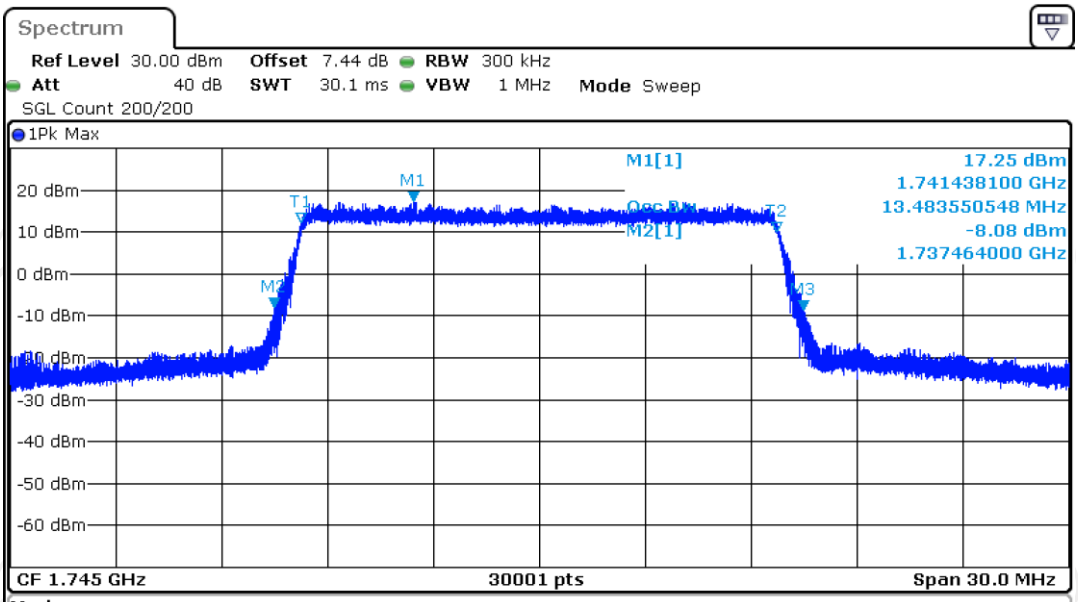


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7493869 GHz	17.53 dBm		
T1		1	1.73827122 GHz	11.00 dBm	Occ Bw	13.462551248 MHz
T2		1	1.75173378 GHz	11.49 dBm		
M2		1	1.737462 GHz	-8.34 dBm		
M3		1	1.752496 GHz	-8.12 dBm		

Date: 10.OCT.2023 15:29:35

Band66 16QAM BW=15MHz Channel=132322 RB Size=75 Position=#0

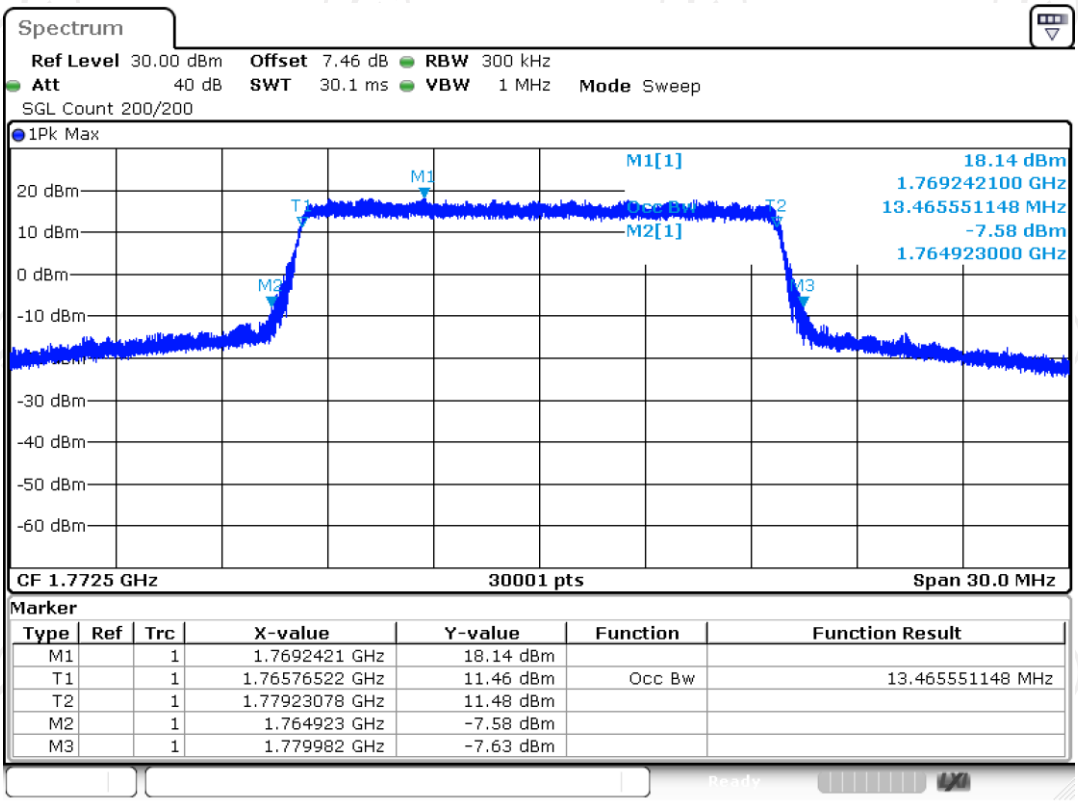


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7414381 GHz	17.25 dBm		
T1		1	1.73825522 GHz	12.37 dBm	Occ Bw	13.483550548 MHz
T2		1	1.75173878 GHz	10.12 dBm		
M2		1	1.737464 GHz	-8.08 dBm		
M3		1	1.752477 GHz	-8.73 dBm		

Date: 10.OCT.2023 15:29:51

Band66 QPSK BW=15MHz Channel=132597 RB Size=75 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7692421 GHz	18.14 dBm		
T1		1	1.76576522 GHz	11.46 dBm	Occ Bw	13.465551148 MHz
T2		1	1.77923078 GHz	11.48 dBm		
M2		1	1.764923 GHz	-7.58 dBm		
M3		1	1.779982 GHz	-7.63 dBm		

Date: 10.OCT.2023 15:30:09

Band66 16QAM BW=15MHz Channel=132597 RB Size=75 Position=#0

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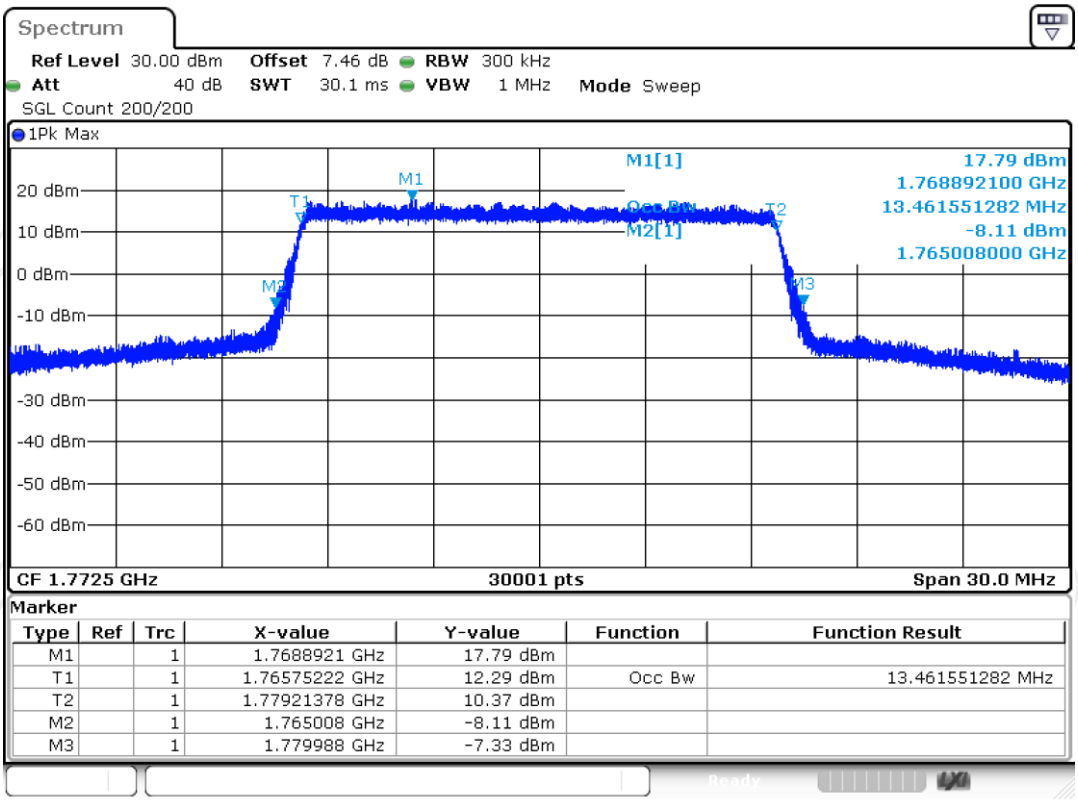
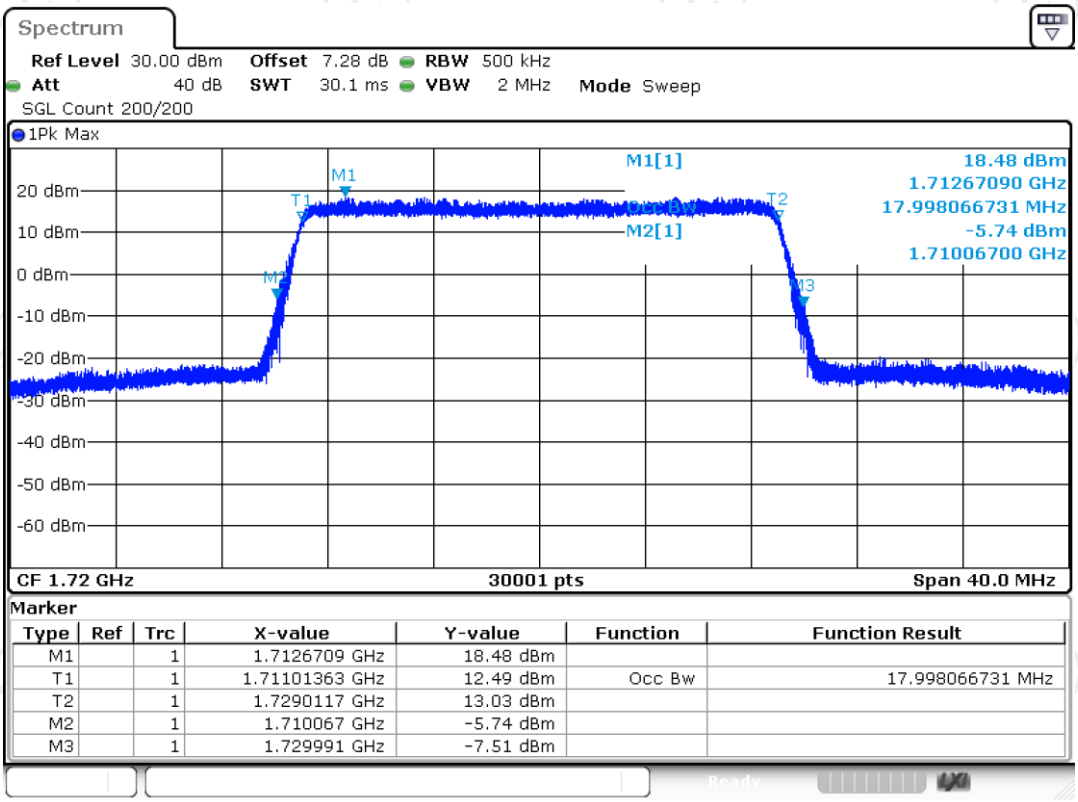


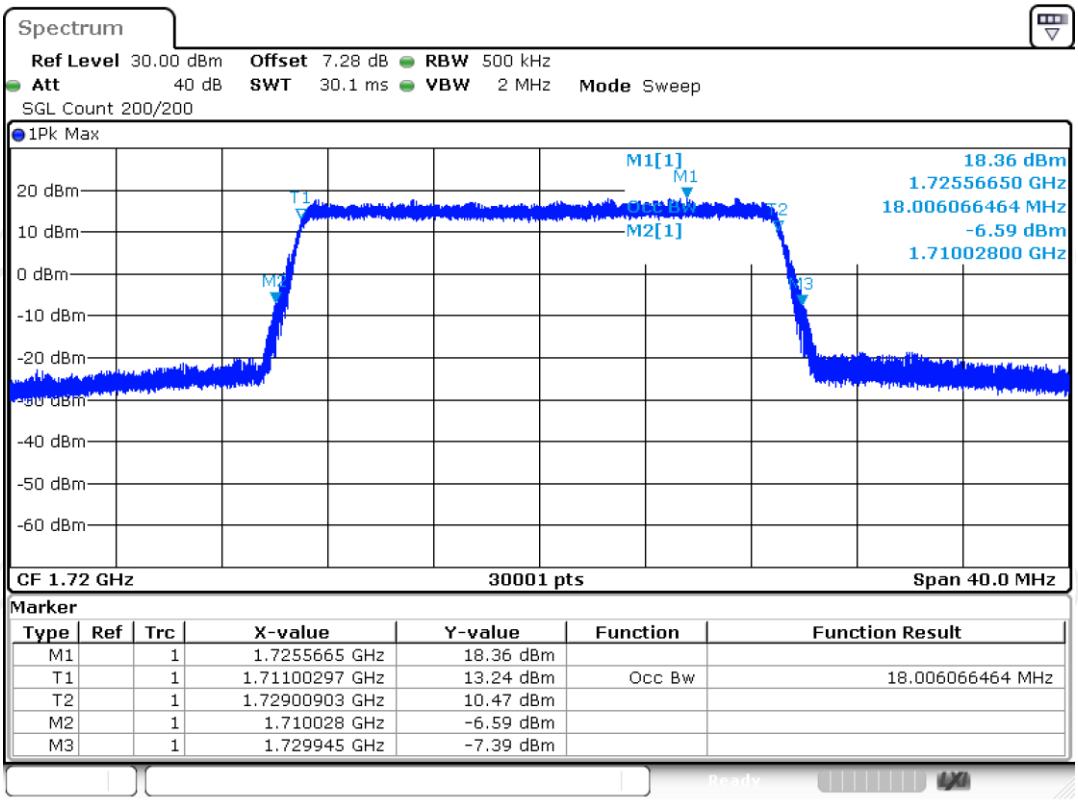
Date: 10.OCT.2023 15:30:25

Band66 QPSK BW=20MHz Channel=132072 RB Size=100 Position=#0



Date: 10.OCT.2023 15:30:43

Band66 16QAM BW=20MHz Channel=132072 RB Size=100 Position=#0

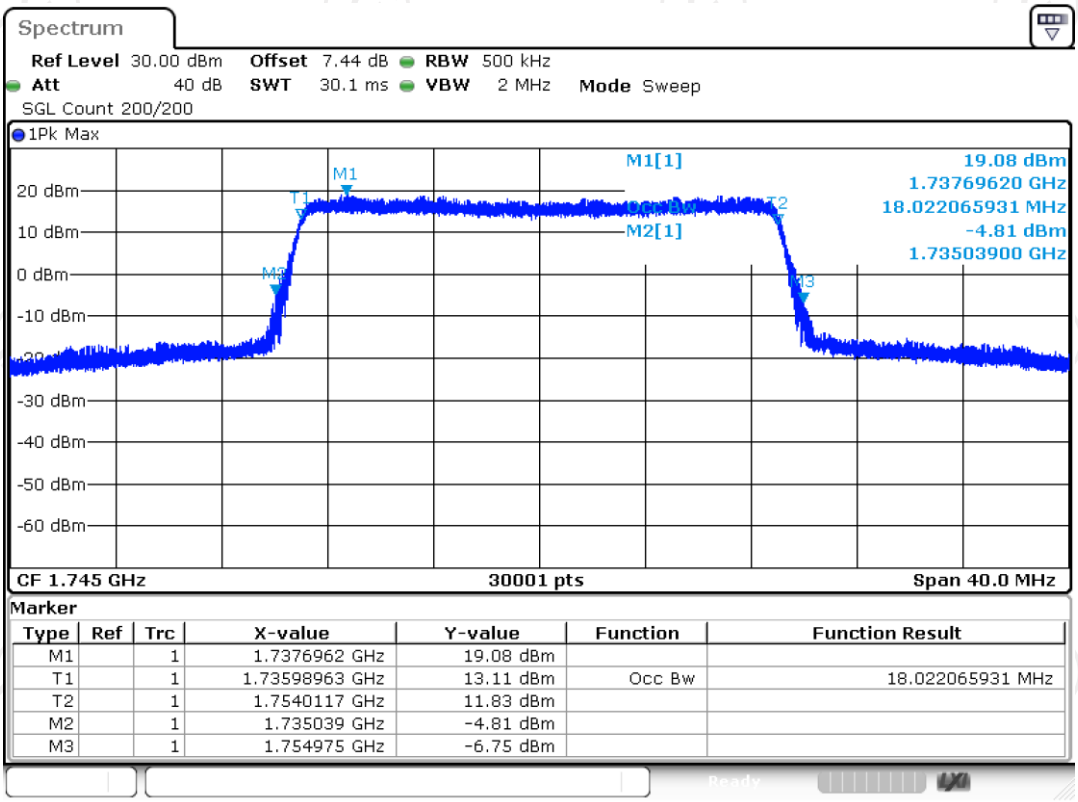


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7255665 GHz	18.36 dBm		
T1		1	1.71100297 GHz	13.24 dBm	Occ Bw	18.006066464 MHz
T2		1	1.72900903 GHz	10.47 dBm		
M2		1	1.710028 GHz	-6.59 dBm		
M3		1	1.729945 GHz	-7.39 dBm		

Date: 10.OCT.2023 15:31:00

Band66 QPSK BW=20MHz Channel=132322 RB Size=100 Position=#0

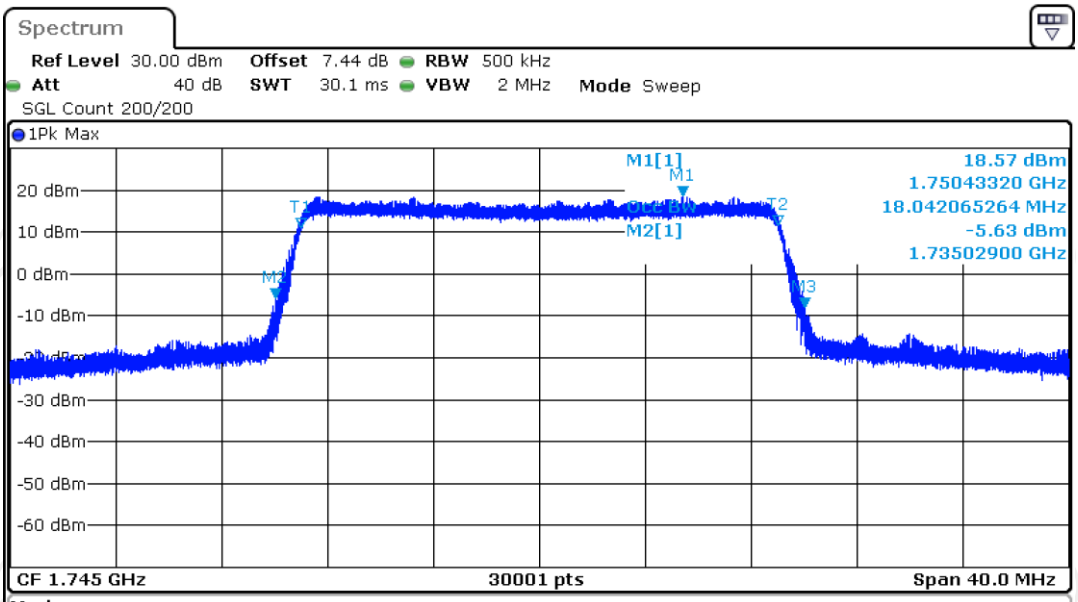


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7376962 GHz	19.08 dBm		
T1		1	1.73598963 GHz	13.11 dBm	Occ Bw	18.022065931 MHz
T2		1	1.7540117 GHz	11.83 dBm		
M2		1	1.735039 GHz	-4.81 dBm		
M3		1	1.754975 GHz	-6.75 dBm		

Date: 10.OCT.2023 15:31:17

Band66 16QAM BW=20MHz Channel=132322 RB Size=100 Position=#0

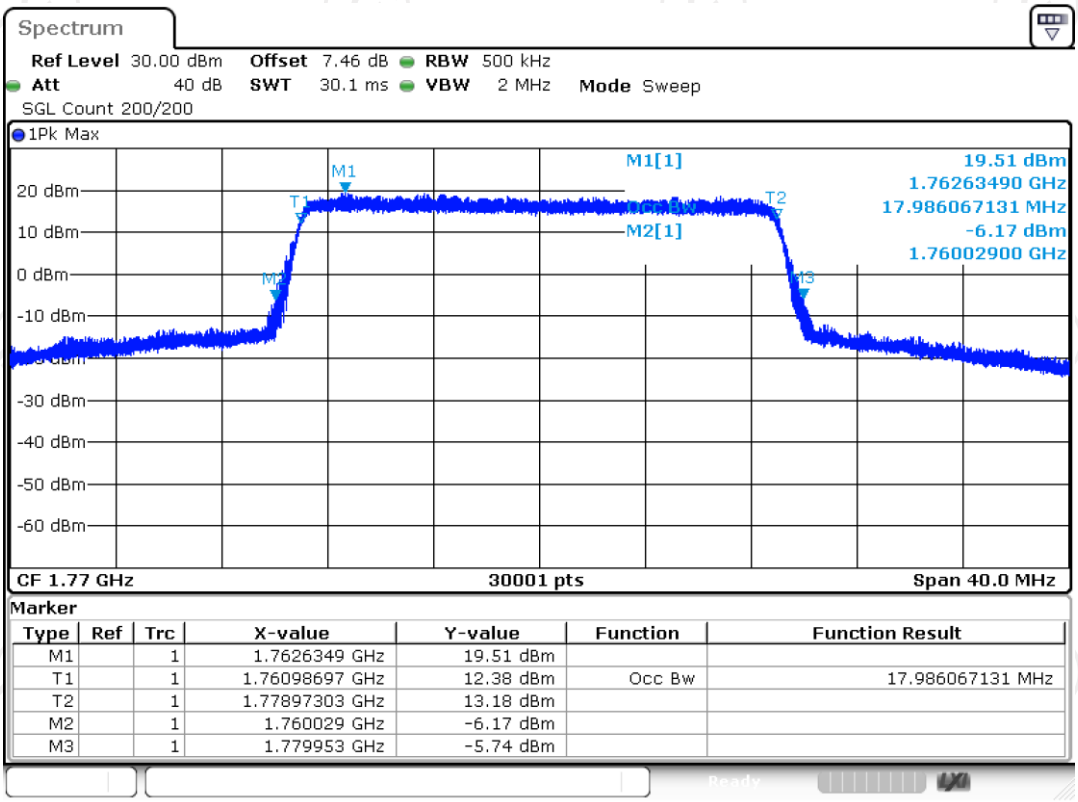


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7504332 GHz	18.57 dBm		
T1		1	1.73597897 GHz	10.94 dBm	Occ Bw	18.042065264 MHz
T2		1	1.75402103 GHz	11.76 dBm		
M2		1	1.735029 GHz	-5.63 dBm		
M3		1	1.755023 GHz	-7.82 dBm		

Date: 10.OCT.2023 15:31:34

Band66 QPSK BW=20MHz Channel=132572 RB Size=100 Position=#0

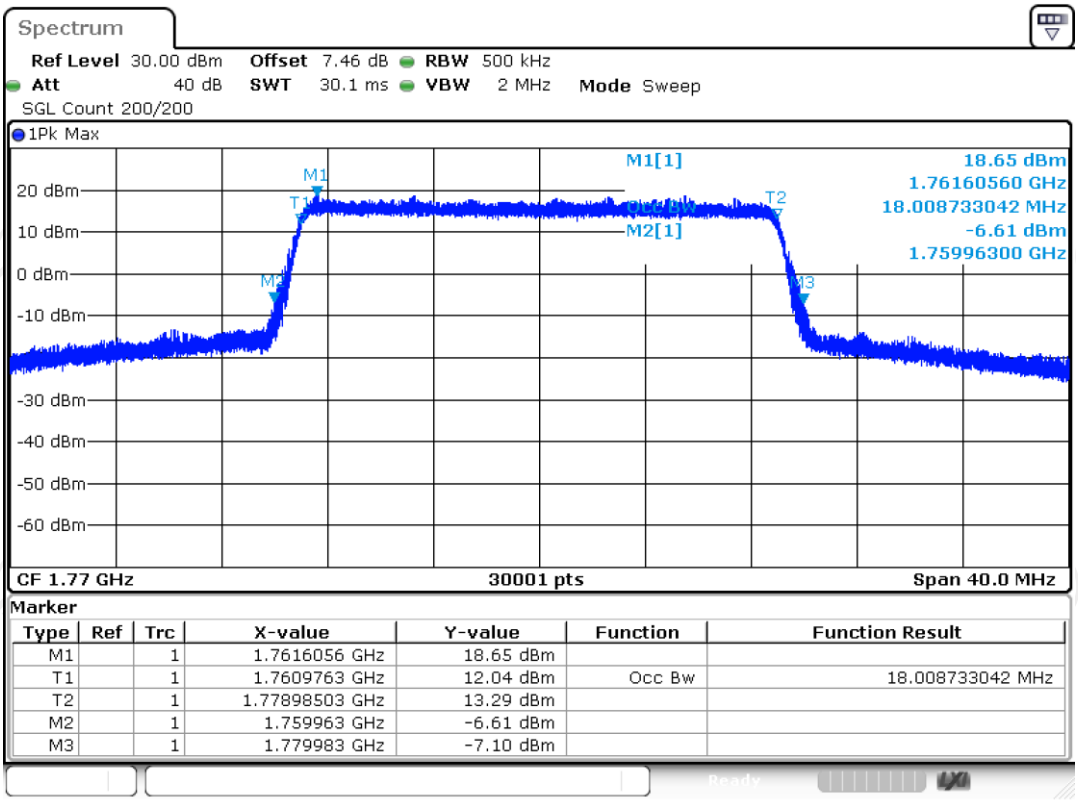


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7626349 GHz	19.51 dBm		
T1		1	1.76098697 GHz	12.38 dBm	Occ Bw	17.986067131 MHz
T2		1	1.77897303 GHz	13.18 dBm		
M2		1	1.760029 GHz	-6.17 dBm		
M3		1	1.779953 GHz	-5.74 dBm		

Date: 10.OCT.2023 15:31:51

Band66 16QAM BW=20MHz Channel=132572 RB Size=100 Position=#0

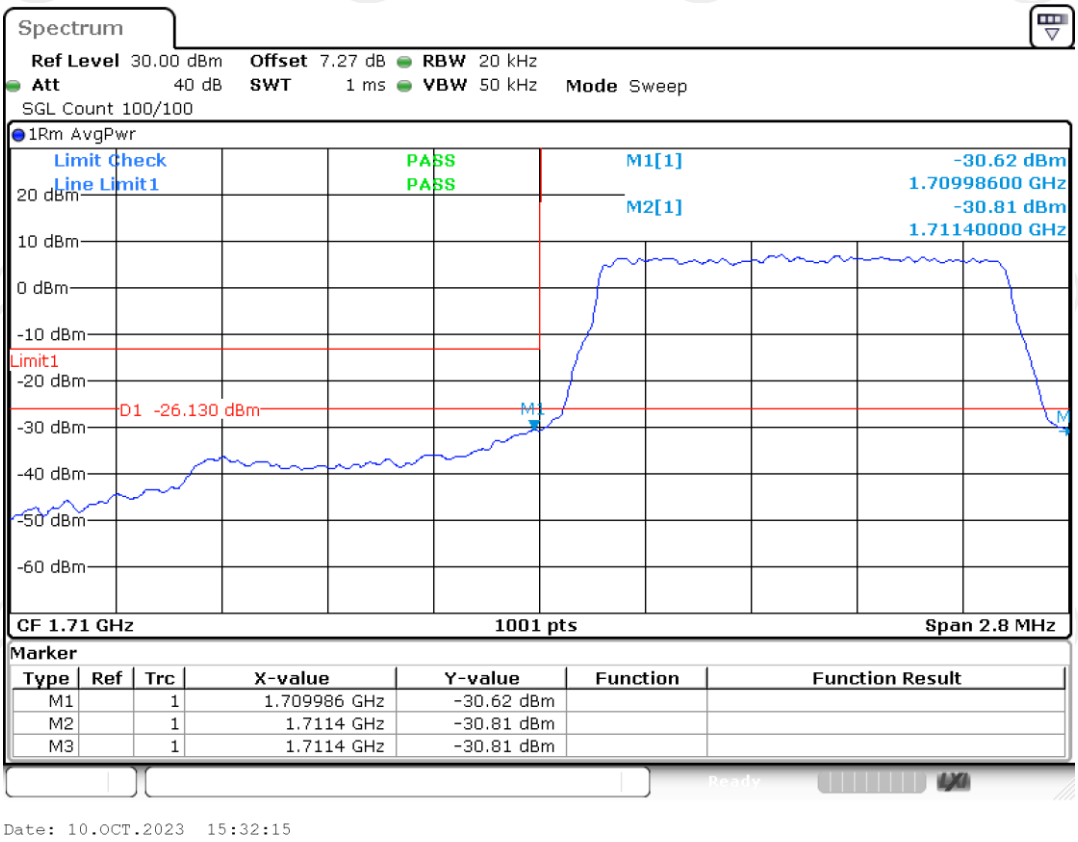


5 Band edge

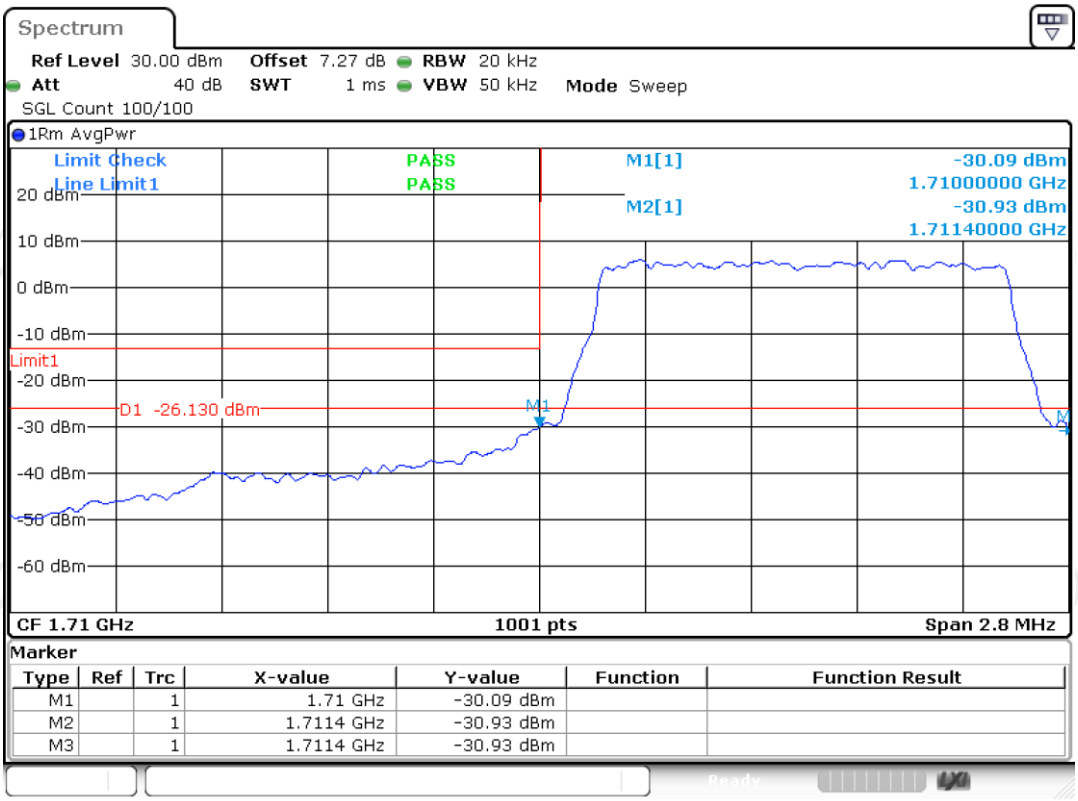
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band66	1.4	131979	6	#0	QPSK	1709.99	-30.62	-13	PASS
Band66	1.4	131979	6	#0	16QAM	1710.00	-30.09	-13	PASS
Band66	1.4	132665	6	#0	QPSK	1780.00	-25.86	-13	PASS
Band66	1.4	132665	6	#0	16QAM	1780.00	-27.32	-13	PASS
Band66	3	131987	15	#0	QPSK	1710.00	-25.39	-13	PASS
Band66	3	131987	15	#0	16QAM	1710.00	-26.53	-13	PASS
Band66	3	132657	15	#0	QPSK	1780.00	-21.67	-13	PASS
Band66	3	132657	15	#0	16QAM	1780.00	-24.48	-13	PASS
Band66	5	131997	25	#0	QPSK	1710.00	-31.21	-13	PASS
Band66	5	131997	25	#0	16QAM	1710.00	-31.82	-13	PASS
Band66	5	132647	25	#0	QPSK	1780.00	-24.85	-13	PASS
Band66	5	132647	25	#0	16QAM	1780.00	-27.97	-13	PASS
Band66	10	132022	50	#0	QPSK	1710.00	-33.17	-13	PASS
Band66	10	132022	50	#0	16QAM	1710.00	-33.85	-13	PASS
Band66	10	132622	50	#0	QPSK	1780.10	-25.15	-13	PASS
Band66	10	132622	50	#0	16QAM	1780.24	-27.73	-13	PASS
Band66	15	132047	75	#0	QPSK	1710.00	-32.19	-13	PASS
Band66	15	132047	75	#0	16QAM	1710.00	-30.94	-13	PASS
Band66	15	132597	75	#0	QPSK	1780.00	-23.83	-13	PASS

Band66	15	132597	75	#0	16QAM	1780.18	-27.06	-13	PASS
Band66	20	132072	100	#0	QPSK	1710.00	-34.93	-13	PASS
Band66	20	132072	100	#0	16QAM	1710.00	-35.24	-13	PASS
Band66	20	132572	100	#0	QPSK	1780.28	-27.11	-13	PASS
Band66	20	132572	100	#0	16QAM	1780.08	-29.83	-13	PASS

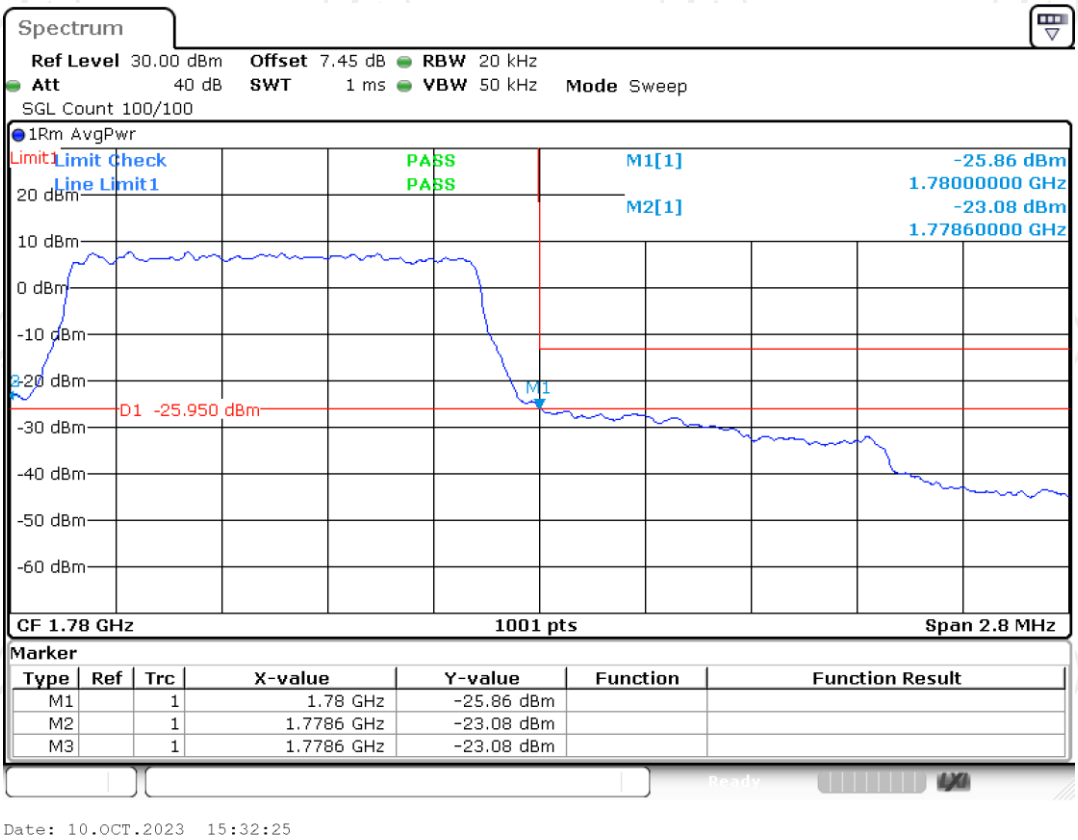
Band66 QPSK BW=1.4MHz Channel=131979 RB Size=6 Position=#0



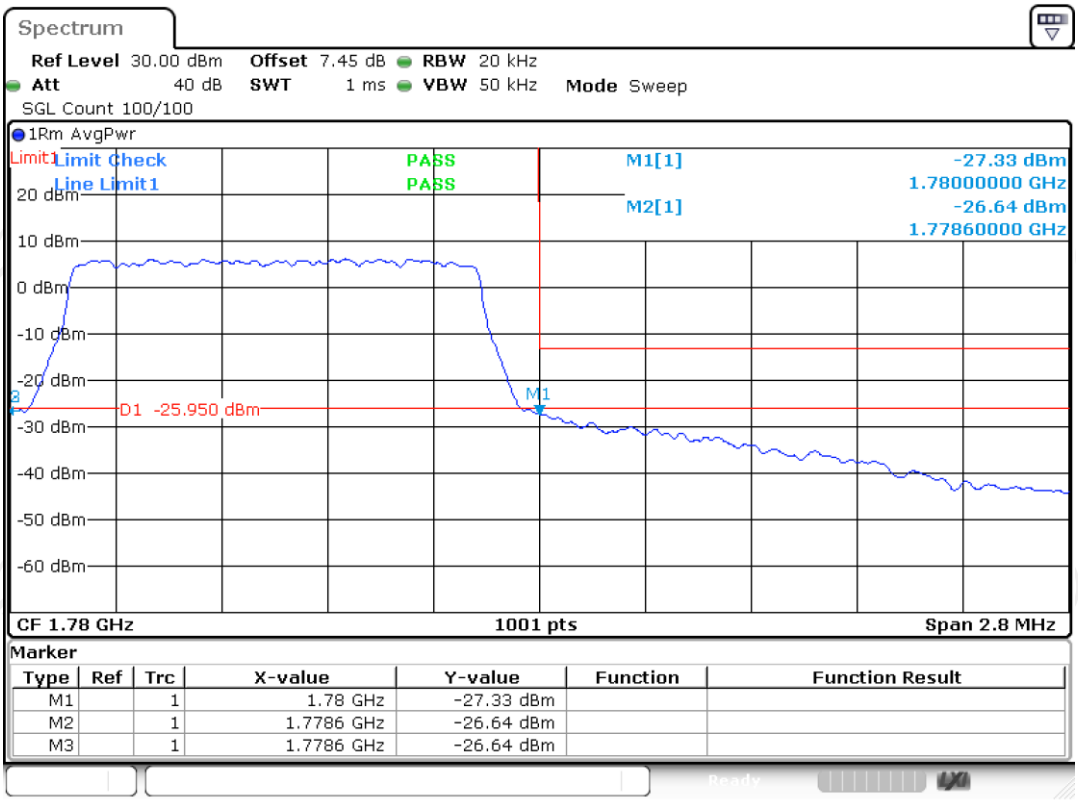
Band66 16QAM BW=1.4MHz Channel=131979 RB Size=6 Position=#0



Band66 QPSK BW=1.4MHz Channel=132665 RB Size=6 Position=#0

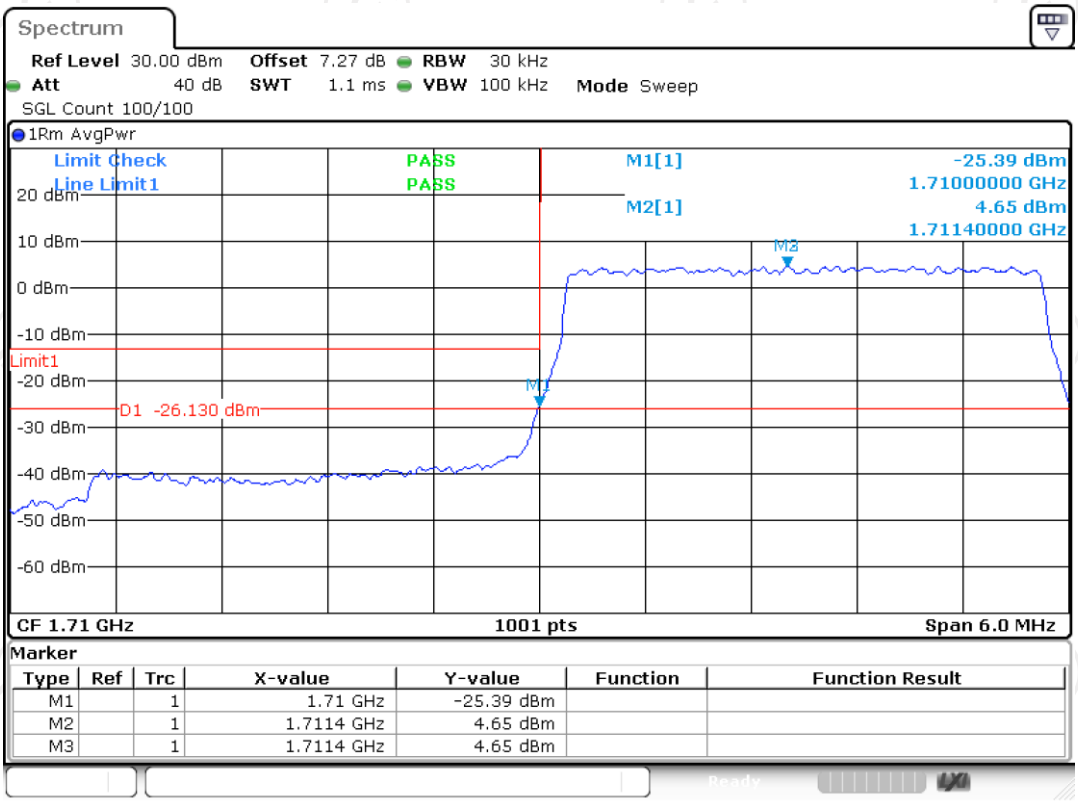


Band66 16QAM BW=1.4MHz Channel=132665 RB Size=6 Position=#0



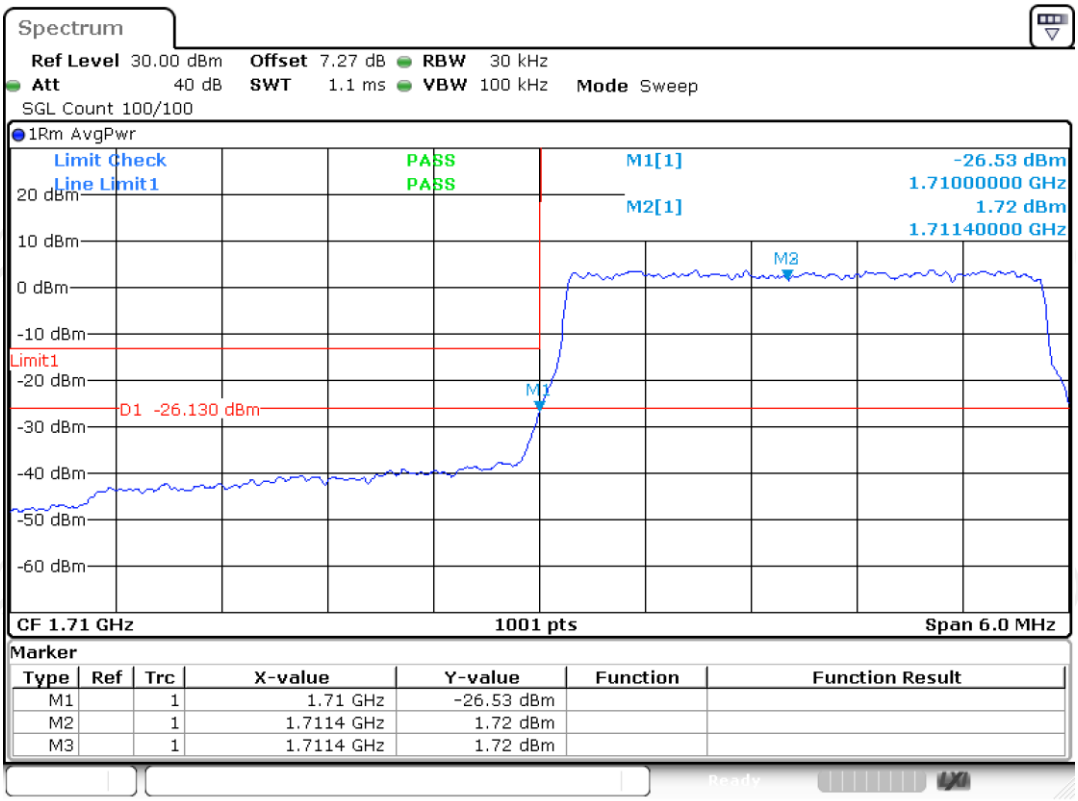
Date: 10.OCT.2023 15:32:30

Band66 QPSK BW=3MHz Channel=131987 RB Size=15 Position=#0



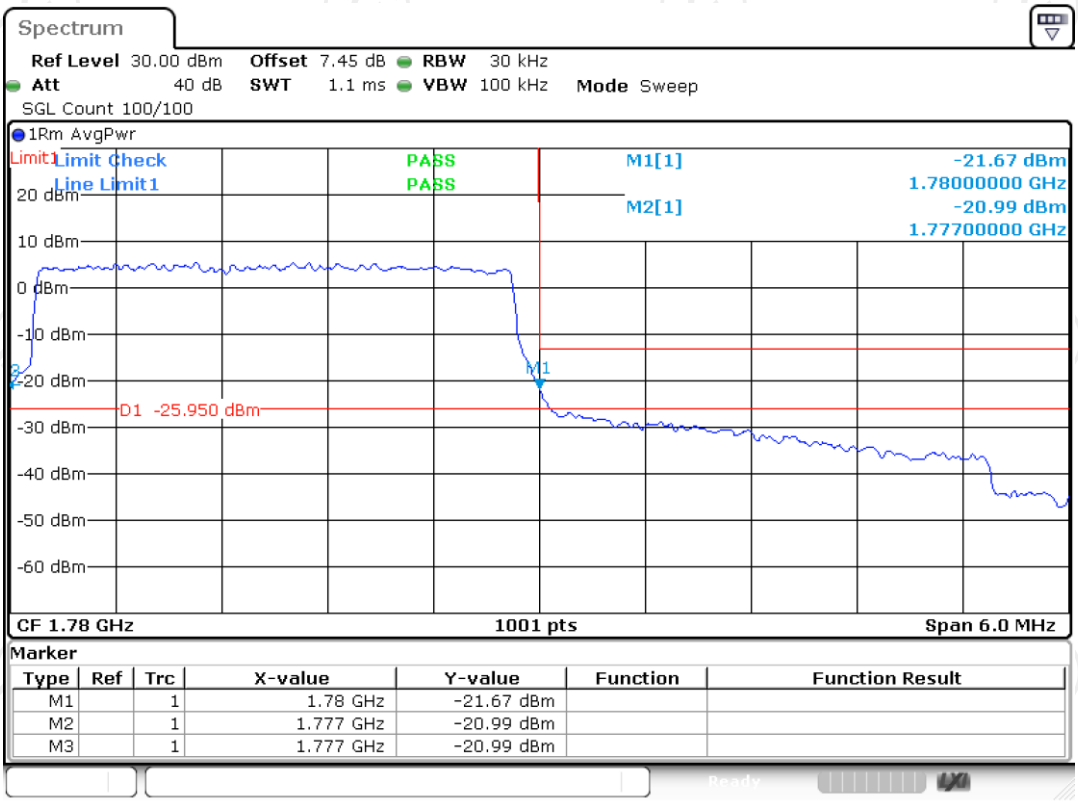
Date: 10.OCT.2023 15:32:35

Band66 16QAM BW=3MHz Channel=131987 RB Size=15 Position=#0



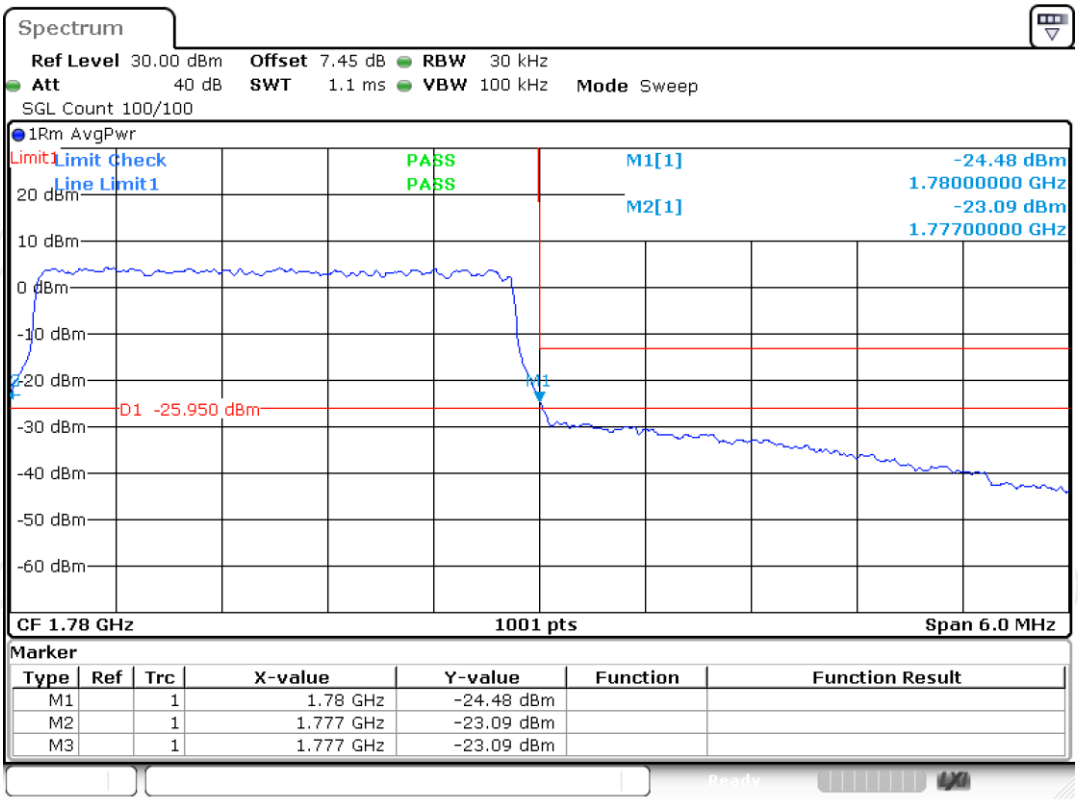
Date: 10.OCT.2023 15:32:40

Band66 QPSK BW=3MHz Channel=132657 RB Size=15 Position=#0



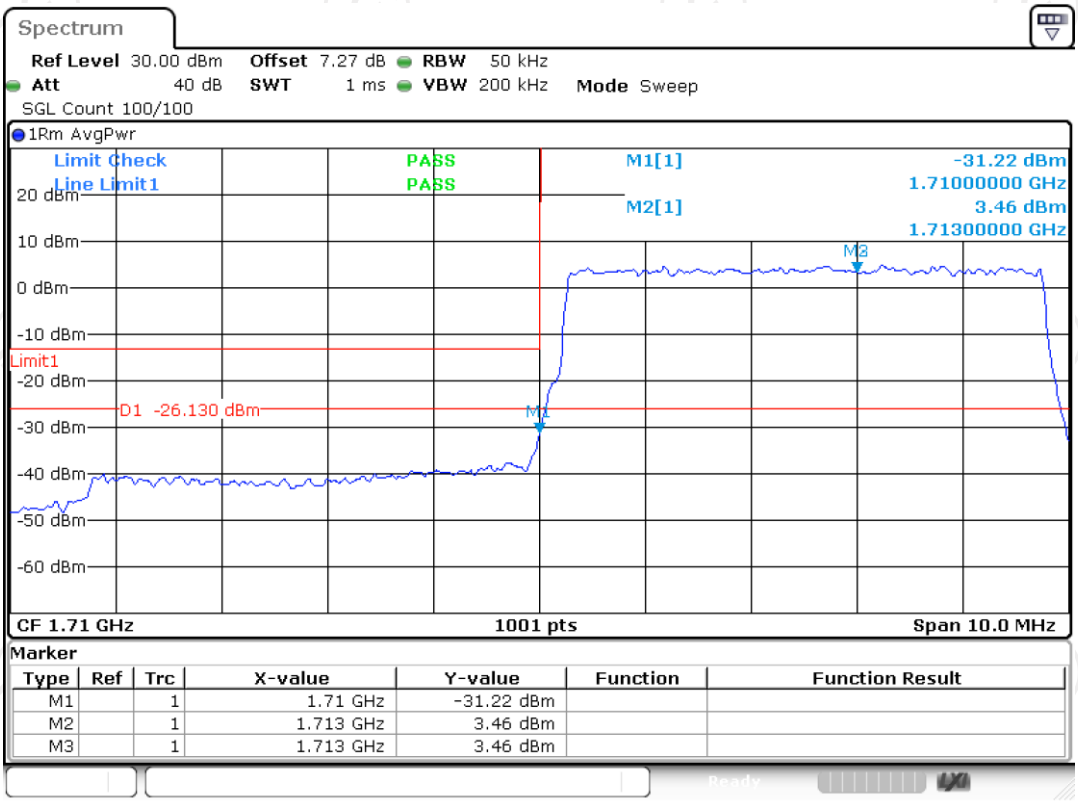
Date: 10.OCT.2023 15:32:45

Band66 16QAM BW=3MHz Channel=132657 RB Size=15 Position=#0



Date: 10.OCT.2023 15:32:50

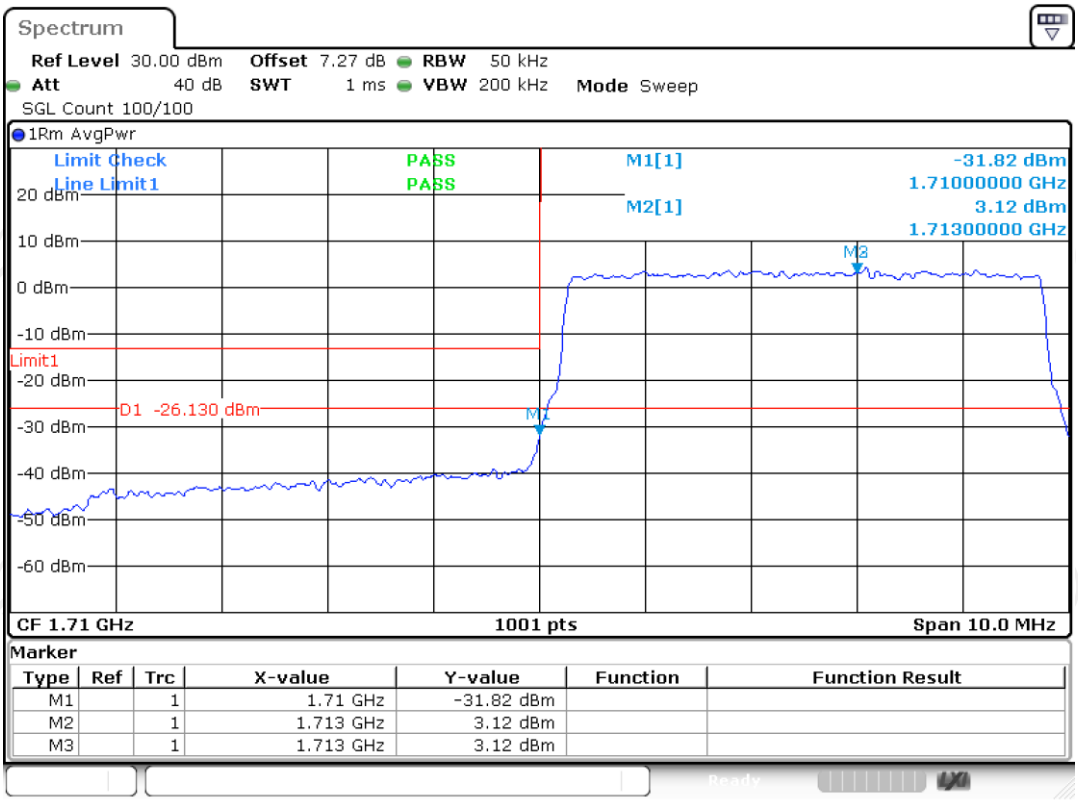
Band66 QPSK BW=5MHz Channel=131997 RB Size=25 Position=#0



Date: 10.OCT.2023 15:32:55

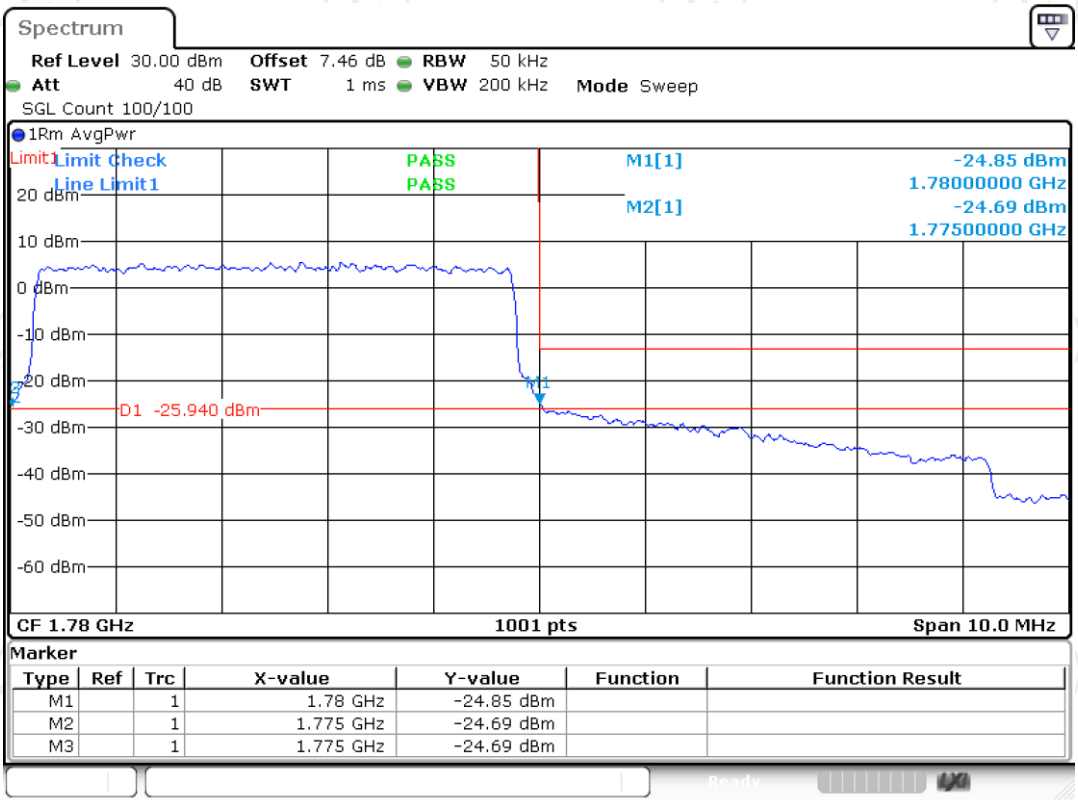
Band66 16QAM BW=5MHz Channel=131997 RB Size=25 Position=#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



Date: 10.OCT.2023 15:33:00

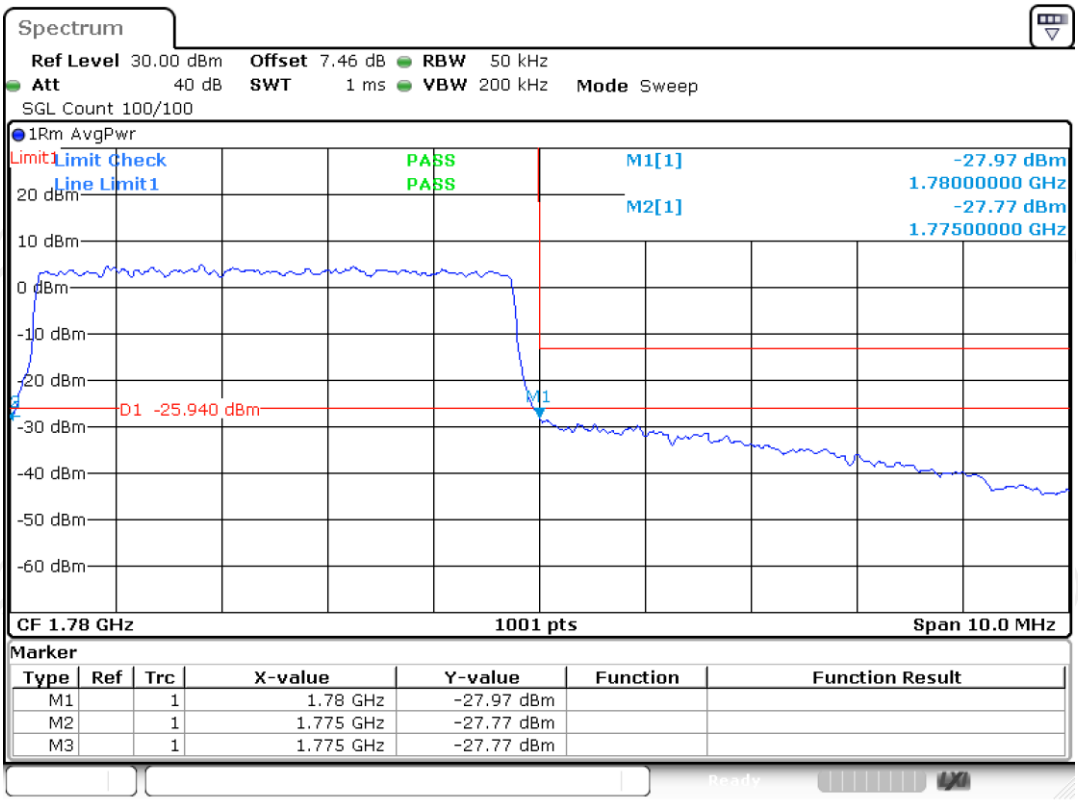
Band66 QPSK BW=5MHz Channel=132647 RB Size=25 Position=#0



Date: 10.OCT.2023 15:33:05

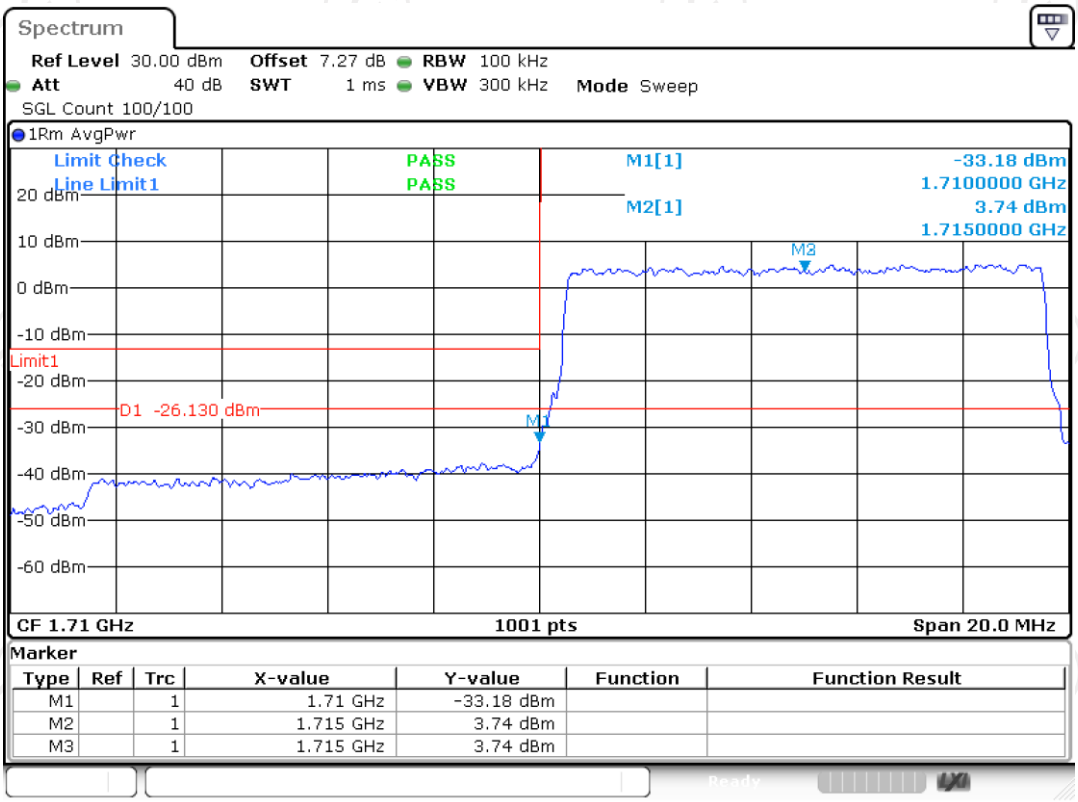
Band66 16QAM BW=5MHz Channel=132647 RB Size=25 Position=#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



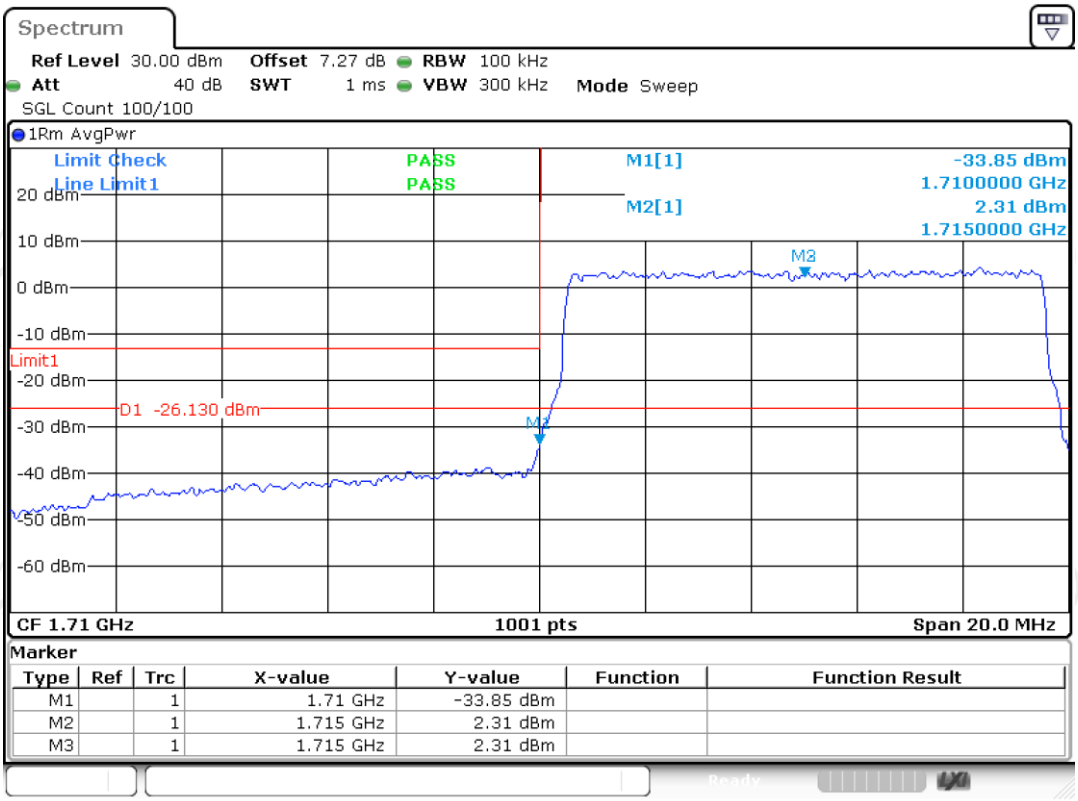
Date: 10.OCT.2023 15:33:10

Band66 QPSK BW=10MHz Channel=132022 RB Size=50 Position=#0



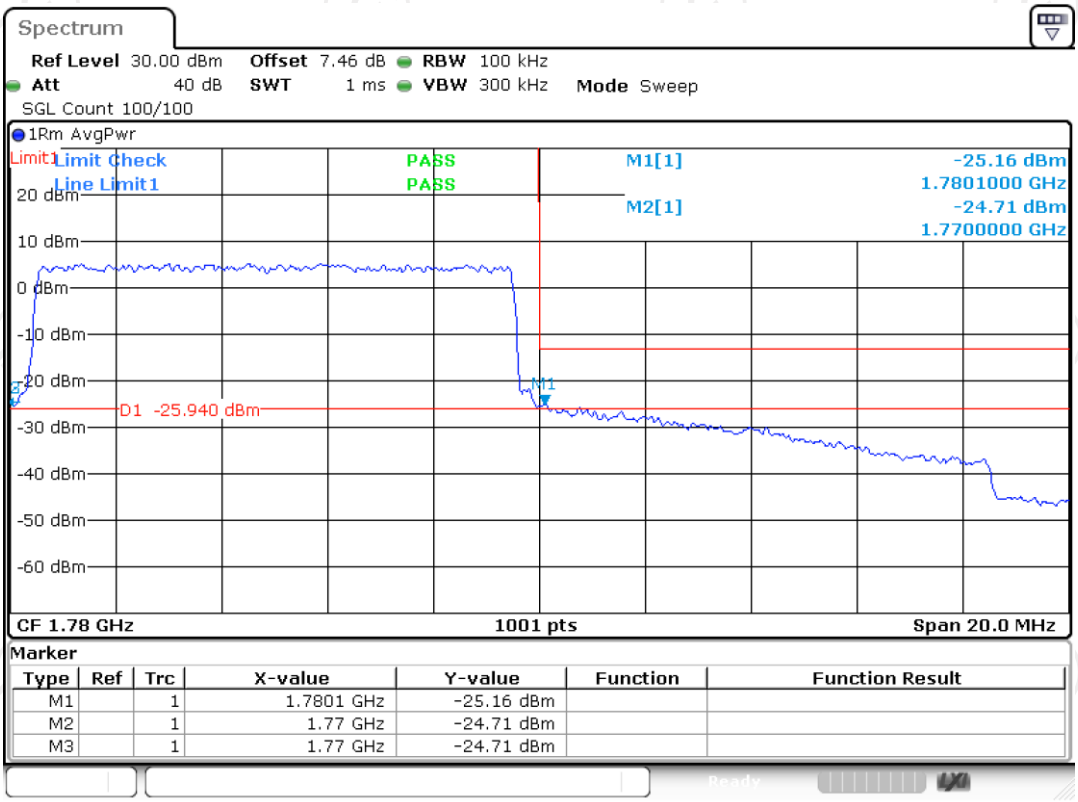
Date: 10.OCT.2023 15:33:15

Band66 16QAM BW=10MHz Channel=132022 RB Size=50 Position=#0



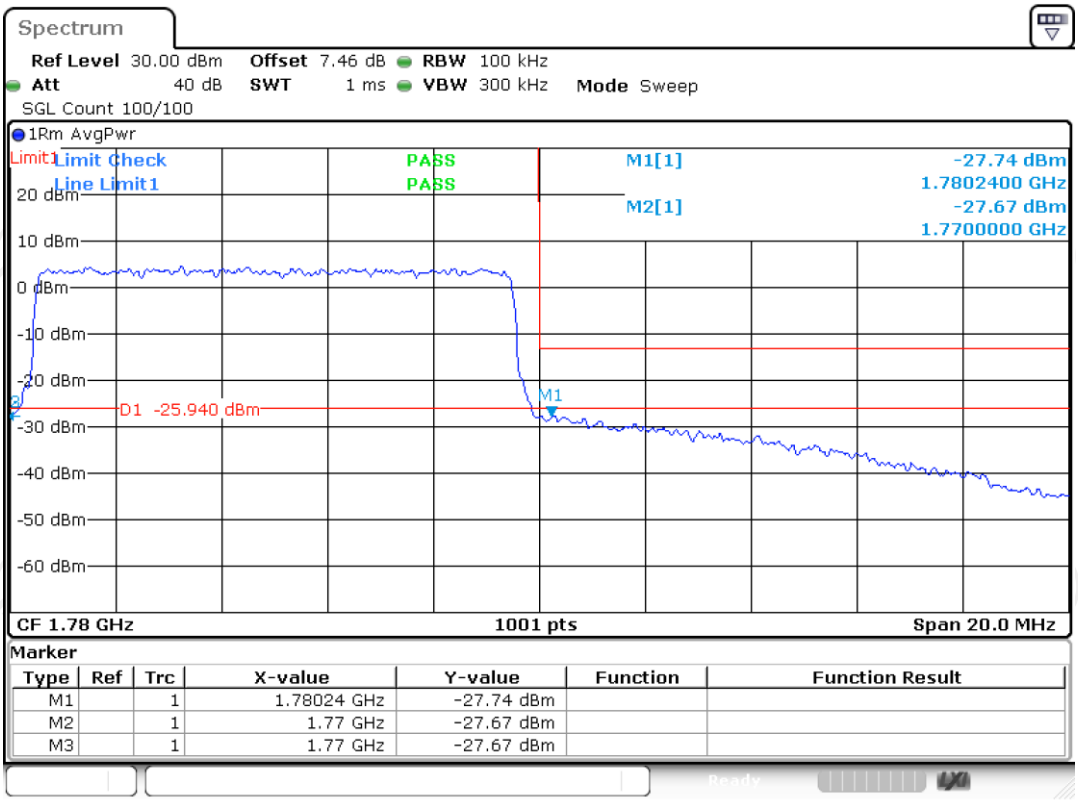
Date: 10.OCT.2023 15:33:20

Band66 QPSK BW=10MHz Channel=132622 RB Size=50 Position=#0



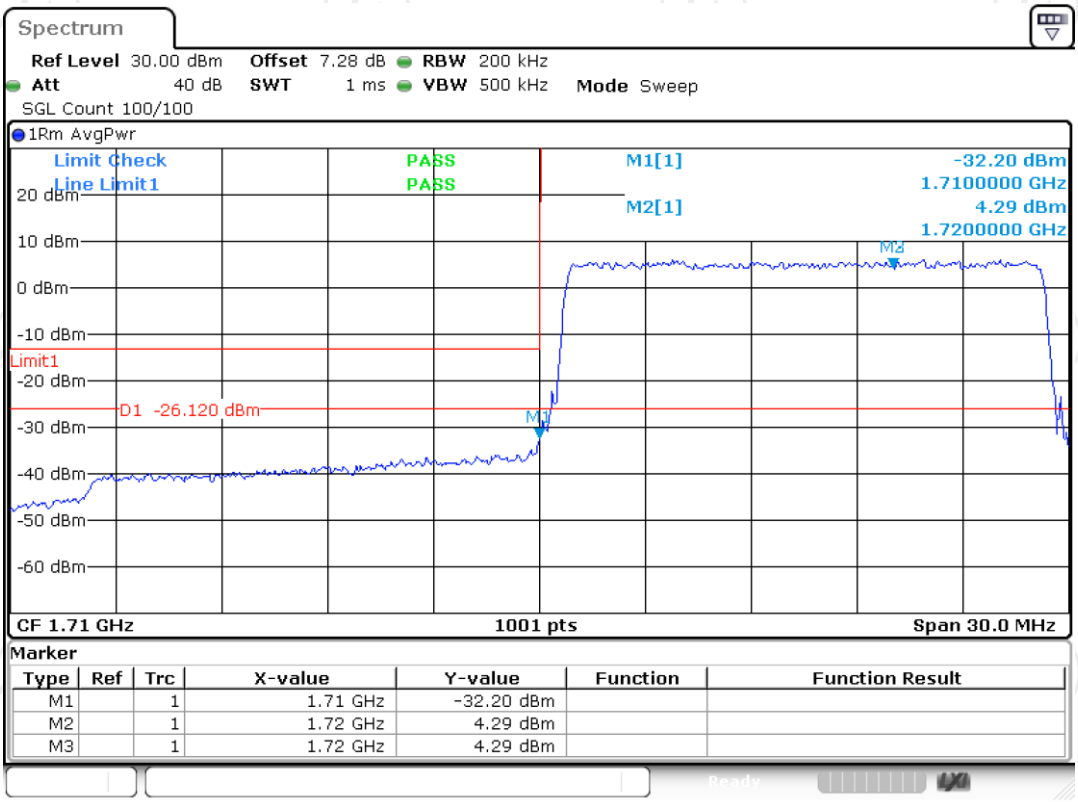
Date: 10.OCT.2023 15:33:25

Band66 16QAM BW=10MHz Channel=132622 RB Size=50 Position=#0



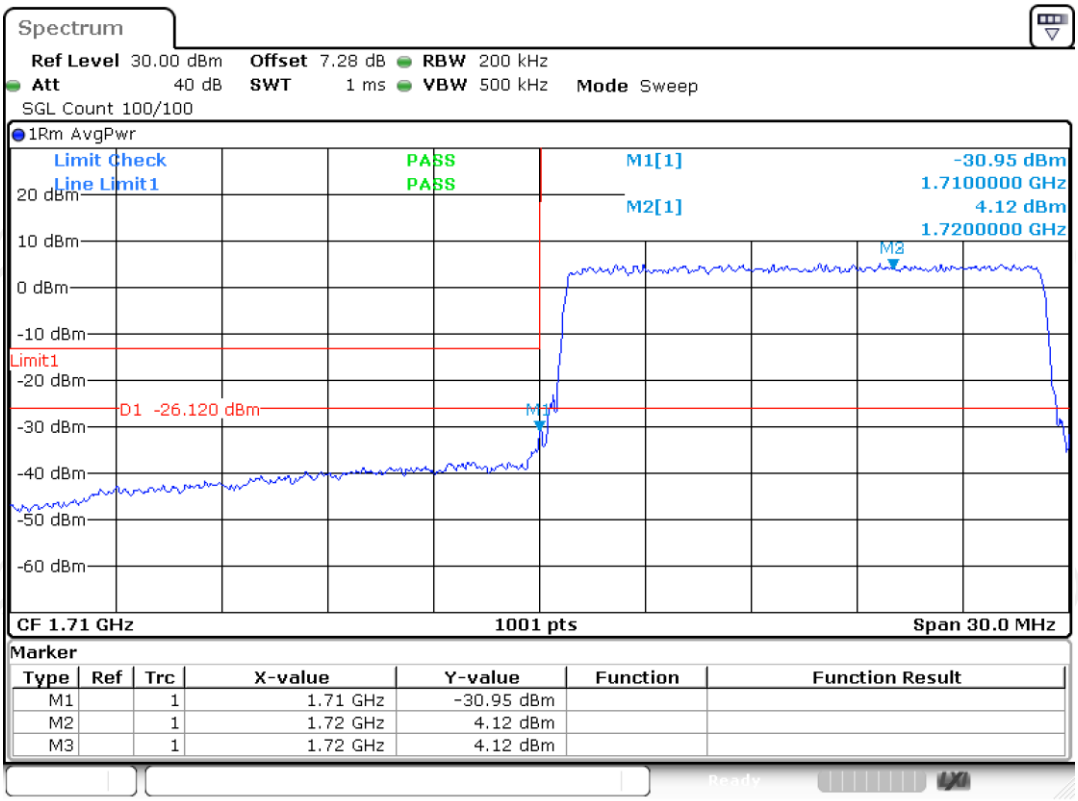
Date: 10.OCT.2023 15:33:30

Band66 QPSK BW=15MHz Channel=132047 RB Size=75 Position=#0



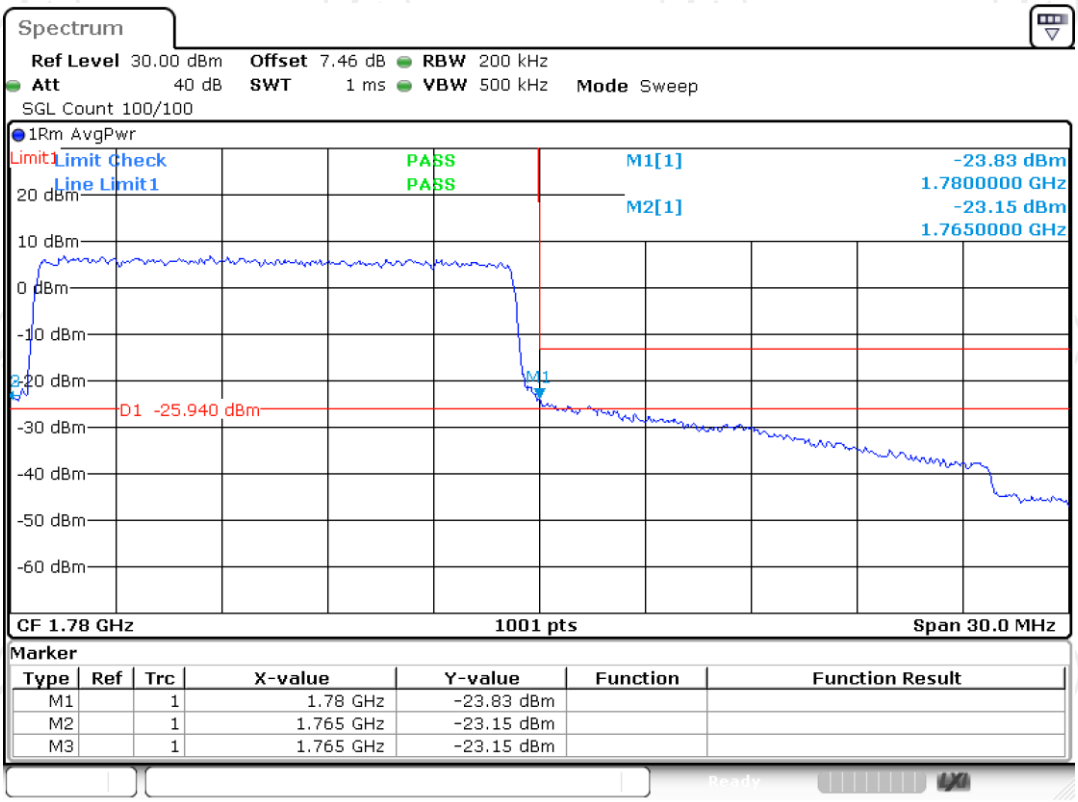
Date: 10.OCT.2023 15:33:36

Band66 16QAM BW=15MHz Channel=132047 RB Size=75 Position=#0



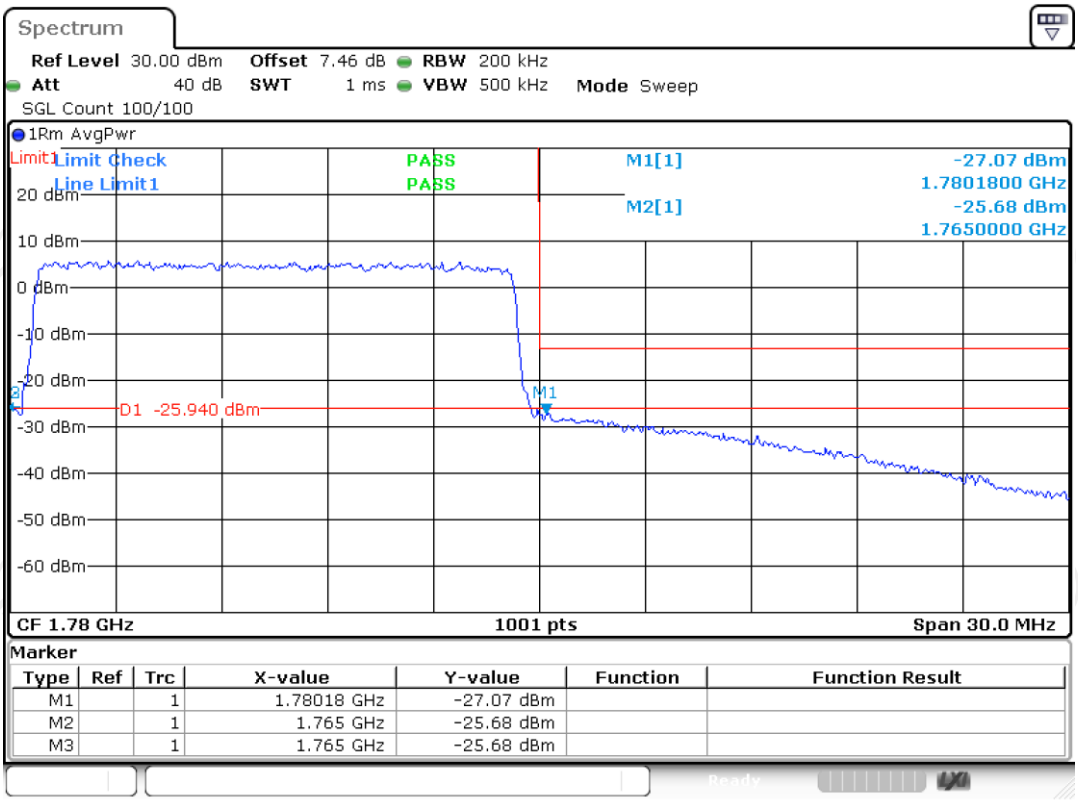
Date: 10.OCT.2023 15:33:40

Band66 QPSK BW=15MHz Channel=132597 RB Size=75 Position=#0



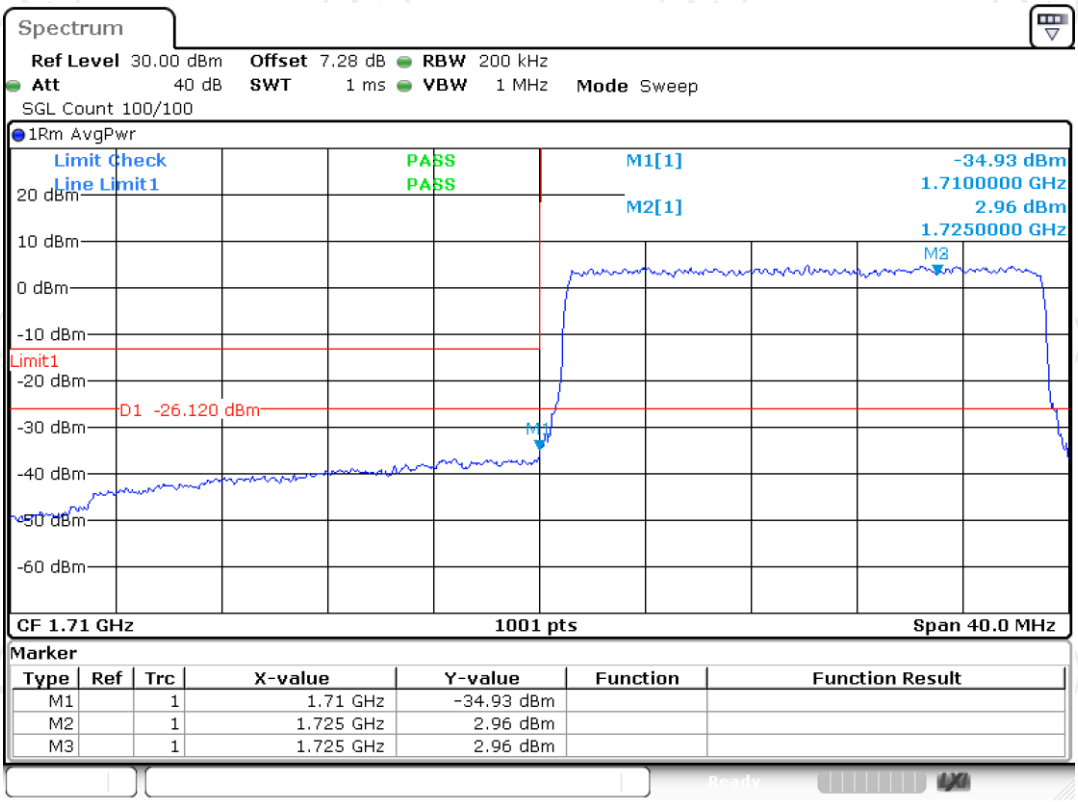
Date: 10.OCT.2023 15:33:46

Band66 16QAM BW=15MHz Channel=132597 RB Size=75 Position=#0



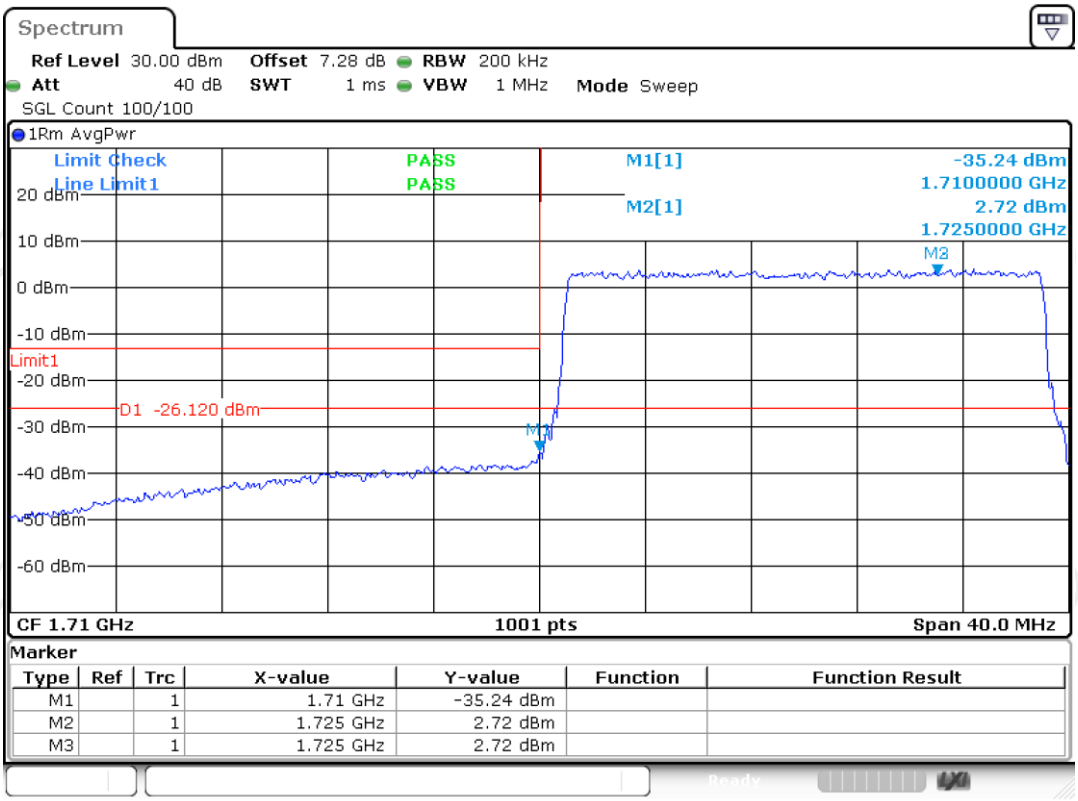
Date: 10.OCT.2023 15:33:51

Band66 QPSK BW=20MHz Channel=132072 RB Size=100 Position=#0



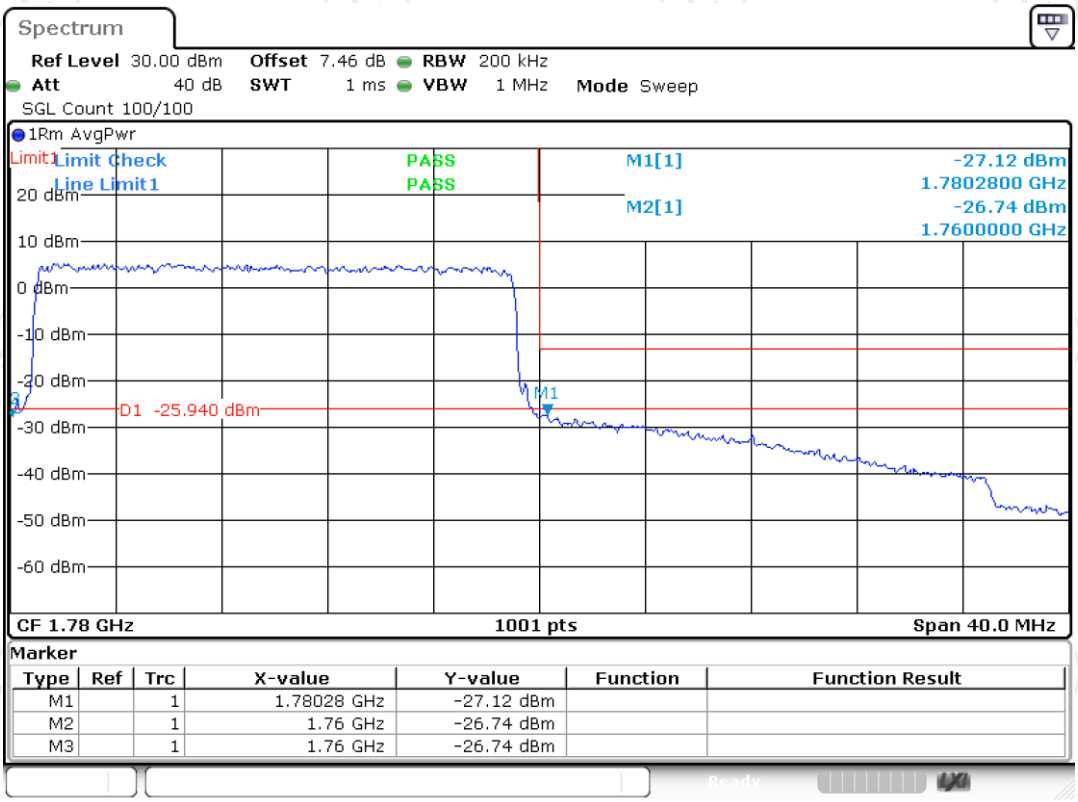
Date: 10.OCT.2023 15:33:58

Band66 16QAM BW=20MHz Channel=132072 RB Size=100 Position=#0



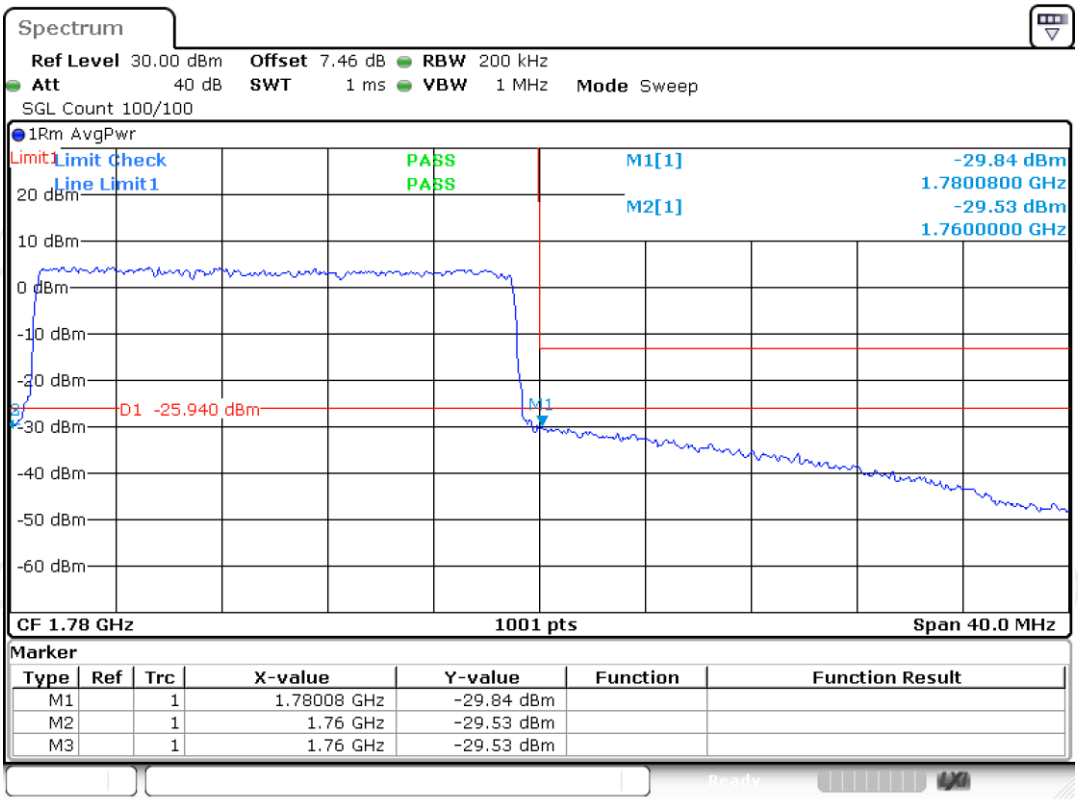
Date: 10.OCT.2023 15:34:04

Band66 QPSK BW=20MHz Channel=132572 RB Size=100 Position=#0



Date: 10.OCT.2023 15:34:10

Band66 16QAM BW=20MHz Channel=132572 RB Size=100 Position=#0

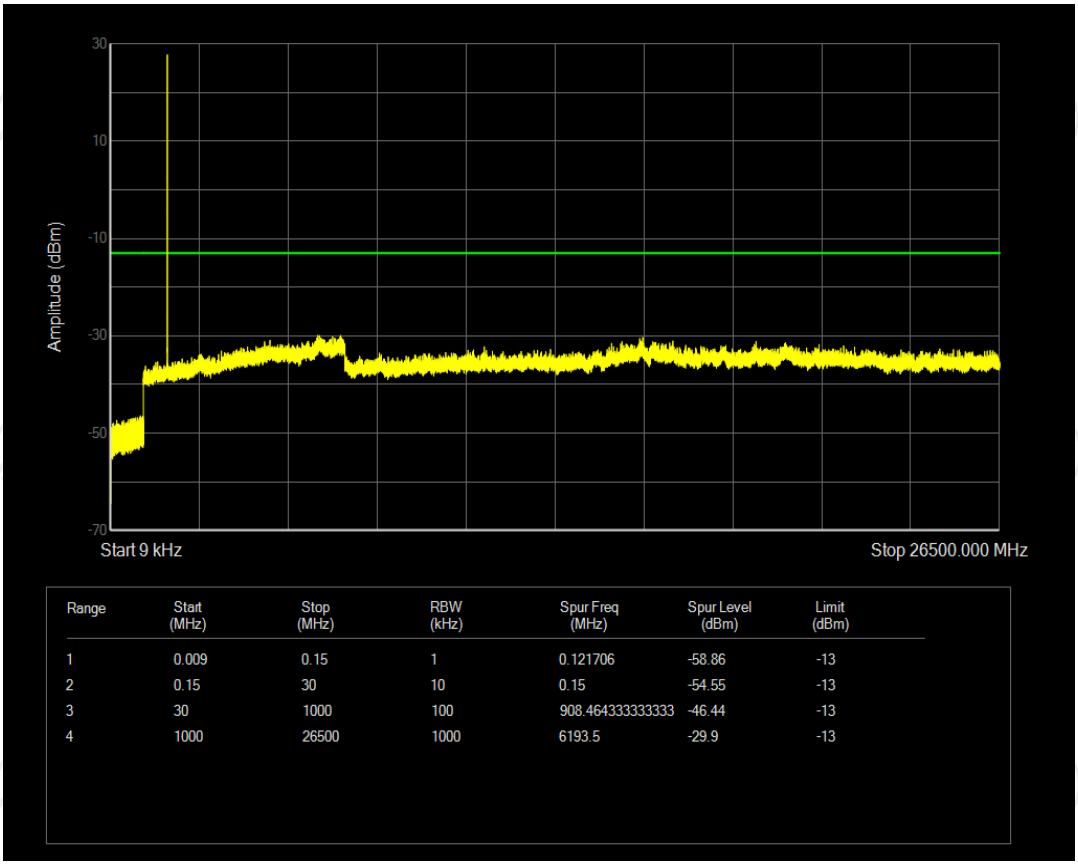


6 Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band66	1.4	131979	1	#0	QPSK	6193.50	-29.90	-13	PASS
Band66	1.4	131979	1	#0	16QAM	6556.45	-29.88	-13	PASS
Band66	1.4	132322	1	#0	QPSK	15951.50	-29.33	-13	PASS
Band66	1.4	132322	1	#0	16QAM	6140.80	-29.40	-13	PASS
Band66	1.4	132665	1	#0	QPSK	6202.85	-29.30	-13	PASS
Band66	1.4	132665	1	#0	16QAM	6857.35	-29.46	-13	PASS
Band66	3	131987	1	#0	QPSK	6978.90	-29.85	-13	PASS
Band66	3	131987	1	#0	16QAM	6876.90	-29.75	-13	PASS
Band66	3	132322	1	#0	QPSK	6252.15	-29.68	-13	PASS
Band66	3	132322	1	#0	16QAM	6375.40	-29.47	-13	PASS
Band66	3	132657	1	#0	QPSK	6236.00	-29.19	-13	PASS
Band66	3	132657	1	#0	16QAM	6841.20	-29.59	-13	PASS
Band66	5	131997	1	#0	QPSK	6816.55	-29.67	-13	PASS
Band66	5	131997	1	#0	16QAM	6870.95	-30.18	-13	PASS
Band66	5	132322	1	#0	QPSK	5754.90	-29.55	-13	PASS
Band66	5	132322	1	#0	16QAM	6833.55	-29.43	-13	PASS
Band66	5	132647	1	#0	QPSK	6284.45	-29.22	-13	PASS
Band66	5	132647	1	#0	16QAM	6264.05	-29.67	-13	PASS
Band66	10	132022	1	#0	QPSK	6713.70	-29.76	-13	PASS

Band66	10	132022	1	#0	16QAM	5866.25	-29.57	-13	PASS
Band66	10	132322	1	#0	QPSK	6233.45	-29.35	-13	PASS
Band66	10	132322	1	#0	16QAM	6318.45	-29.59	-13	PASS
Band66	10	132622	1	#0	QPSK	6853.10	-29.71	-13	PASS
Band66	10	132622	1	#0	16QAM	6231.75	-29.47	-13	PASS
Band66	15	132047	1	#0	QPSK	6295.50	-29.47	-13	PASS
Band66	15	132047	1	#0	16QAM	5912.15	-29.63	-13	PASS
Band66	15	132322	1	#0	QPSK	6208.80	-29.55	-13	PASS
Band66	15	132322	1	#0	16QAM	6203.70	-29.79	-13	PASS
Band66	15	132597	1	#0	QPSK	6943.20	-29.21	-13	PASS
Band66	15	132597	1	#0	16QAM	6264.90	-29.55	-13	PASS
Band66	20	132072	1	#0	QPSK	6297.20	-29.84	-13	PASS
Band66	20	132072	1	#0	16QAM	6326.10	-28.17	-13	PASS
Band66	20	132322	1	#0	QPSK	6128.05	-29.60	-13	PASS
Band66	20	132322	1	#0	16QAM	6232.60	-29.51	-13	PASS
Band66	20	132572	1	#0	QPSK	6884.55	-28.98	-13	PASS
Band66	20	132572	1	#0	16QAM	6290.40	-29.68	-13	PASS

Band66 QPSK BW=1.4MHz Channel=131979 RB Size=1 Position=#0



Band66 16QAM BW=1.4MHz Channel=131979 RB Size=1 Position=#0