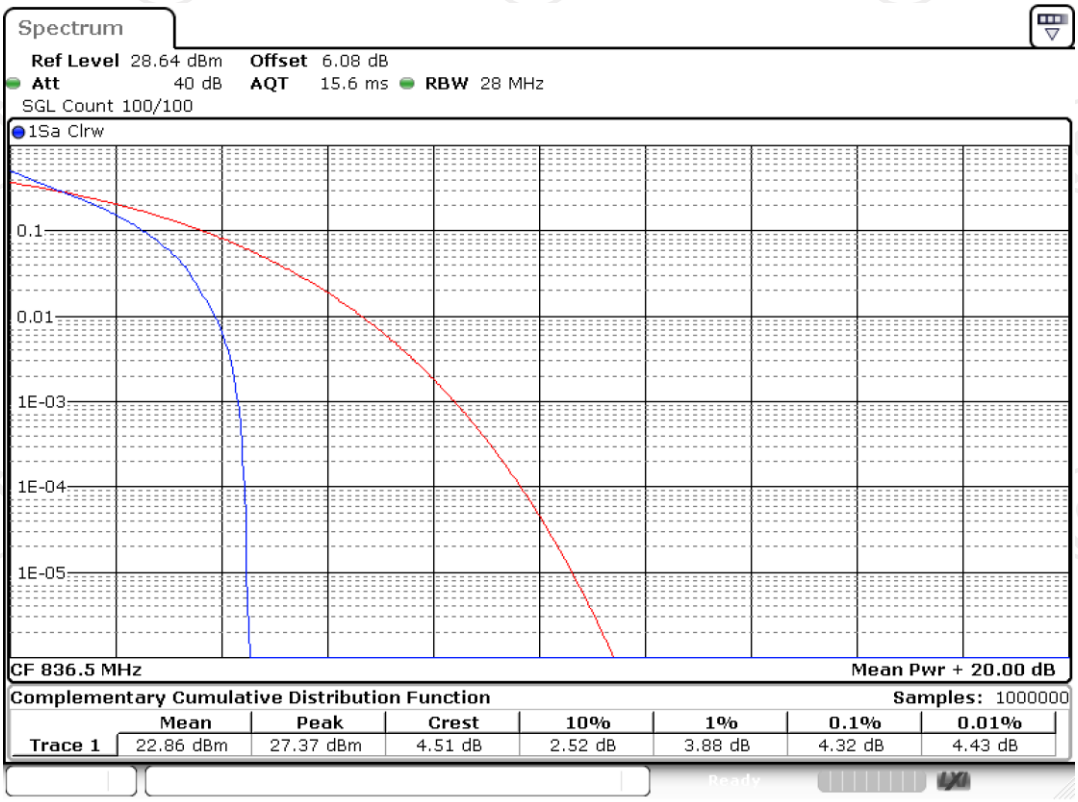
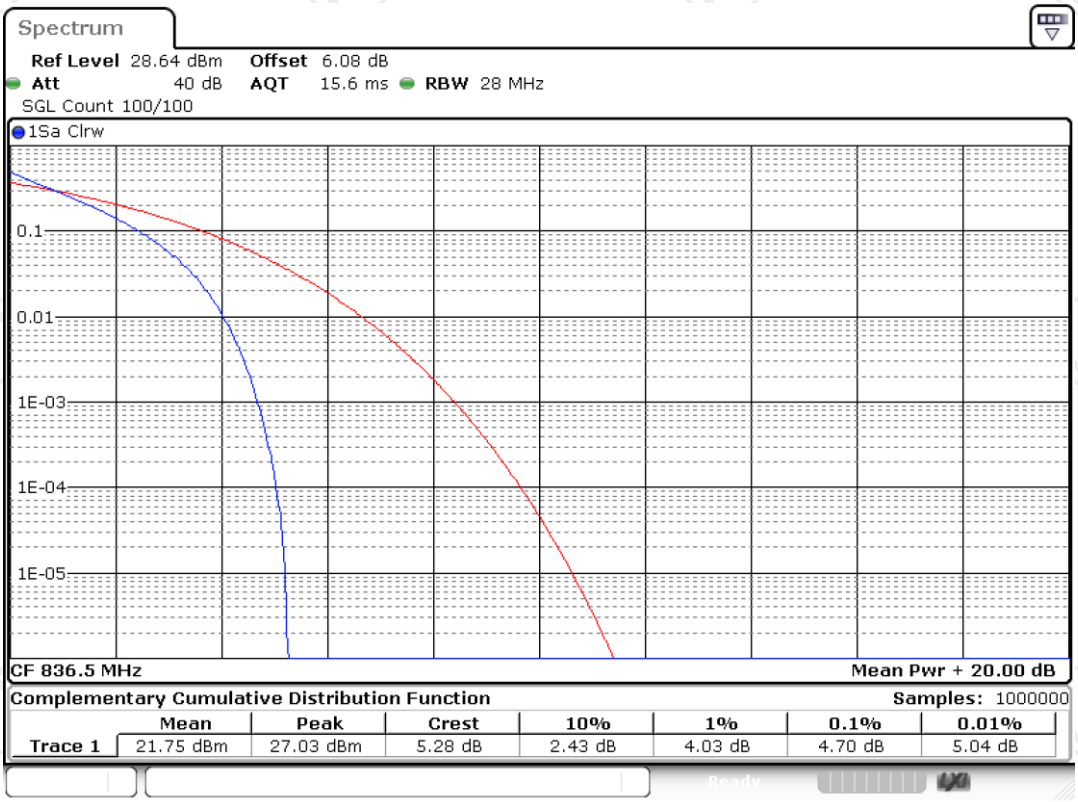
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0



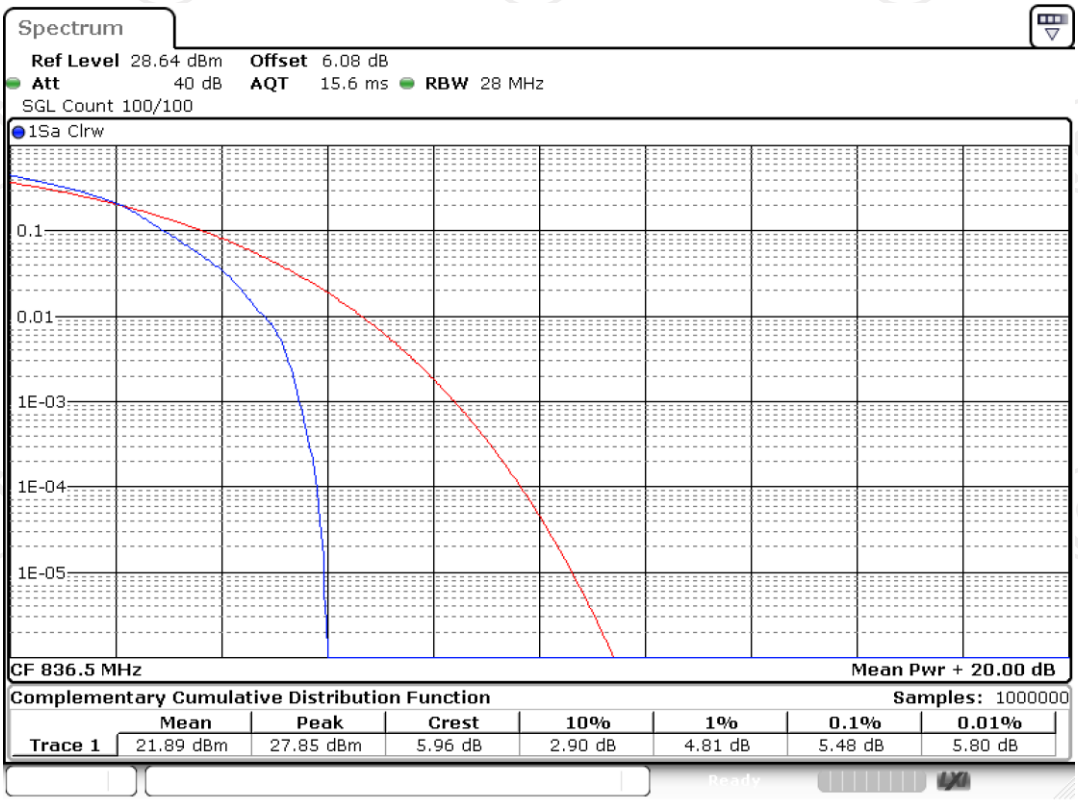
Date: 6.JUN.2023 11:32:21

Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



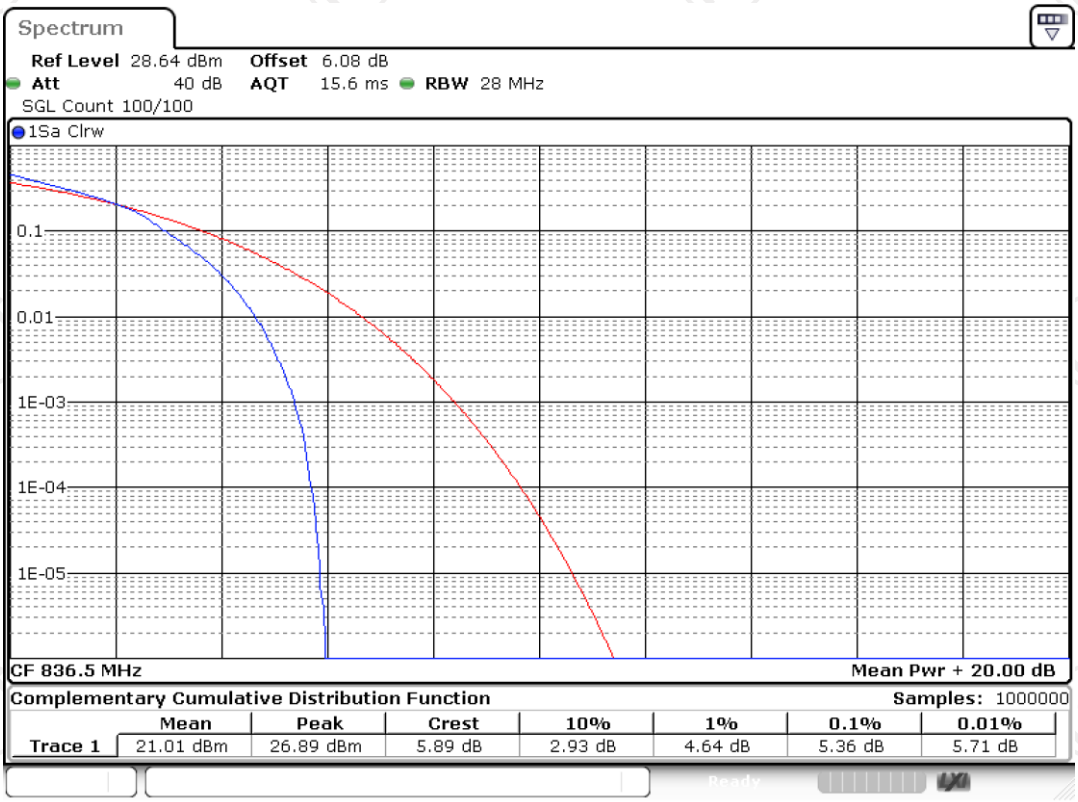
Date: 6.JUN.2023 11:32:27

Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0



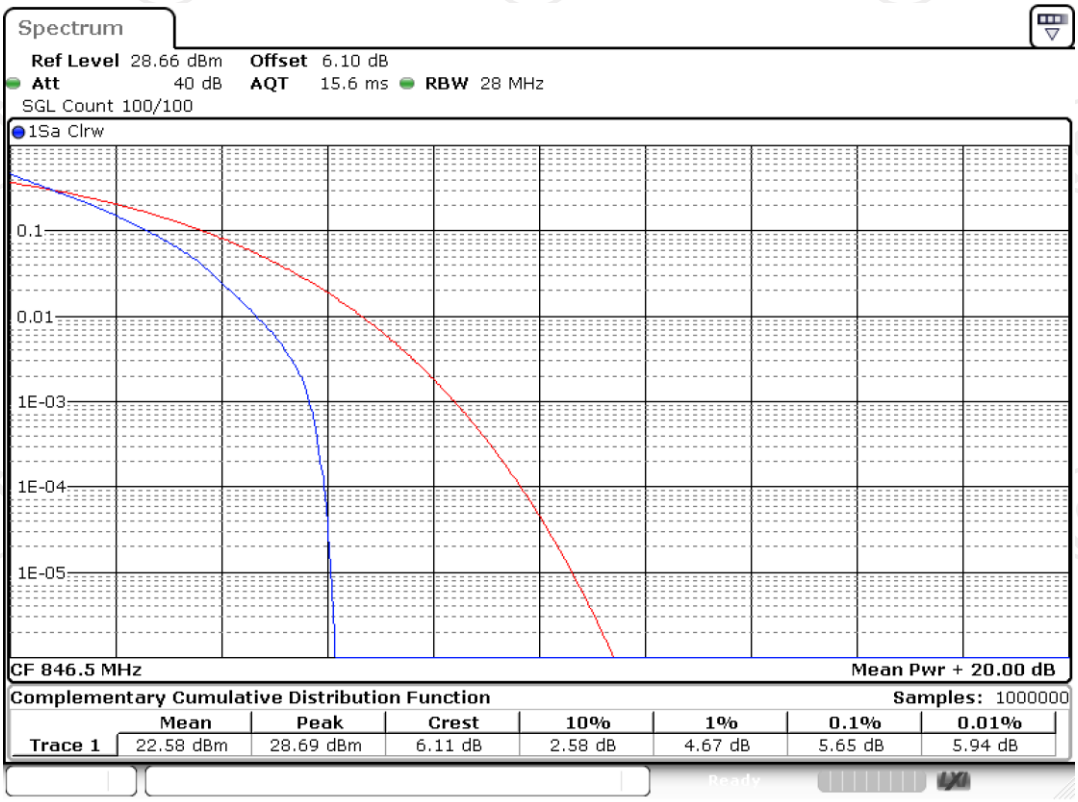
Date: 6.JUN.2023 11:32:34

Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



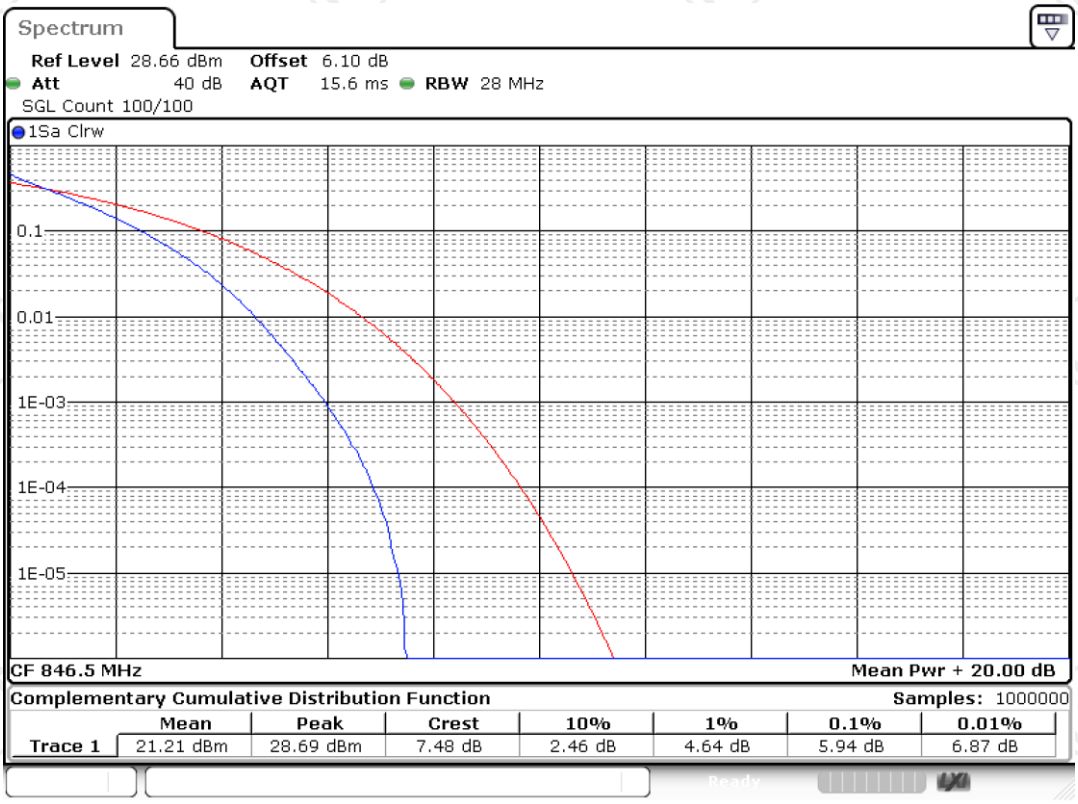
Date: 6.JUN.2023 11:32:40

Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0



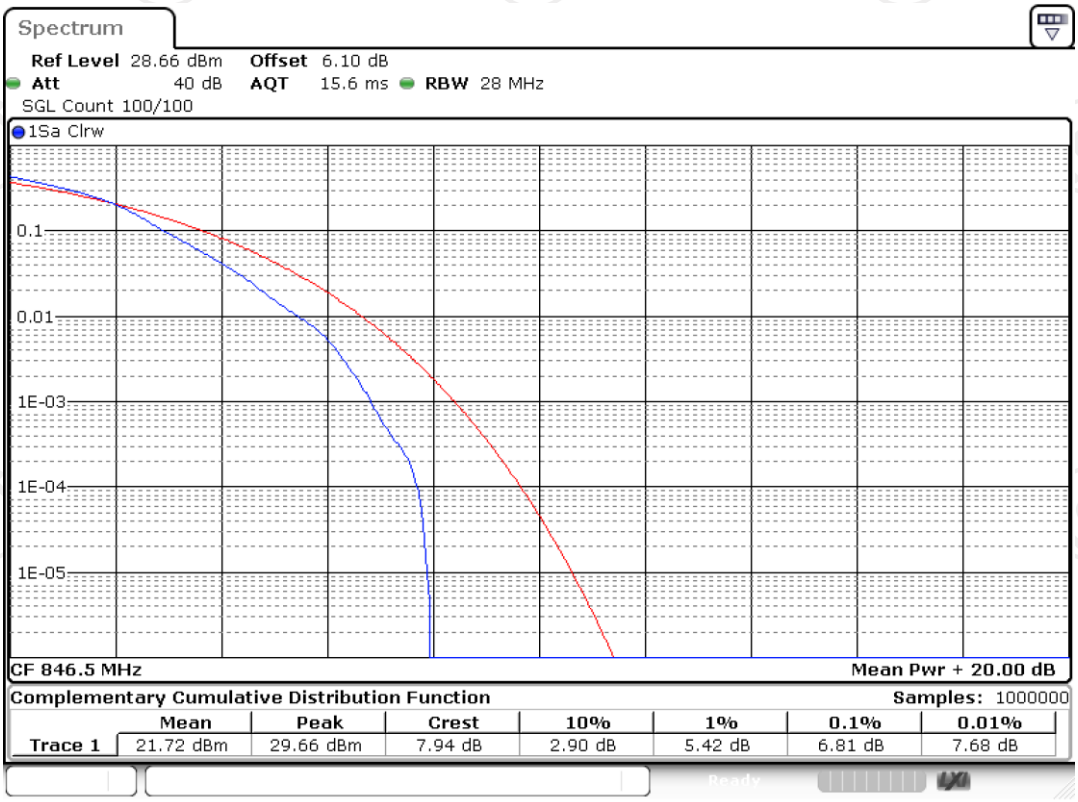
Date: 6.JUN.2023 11:32:47

Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



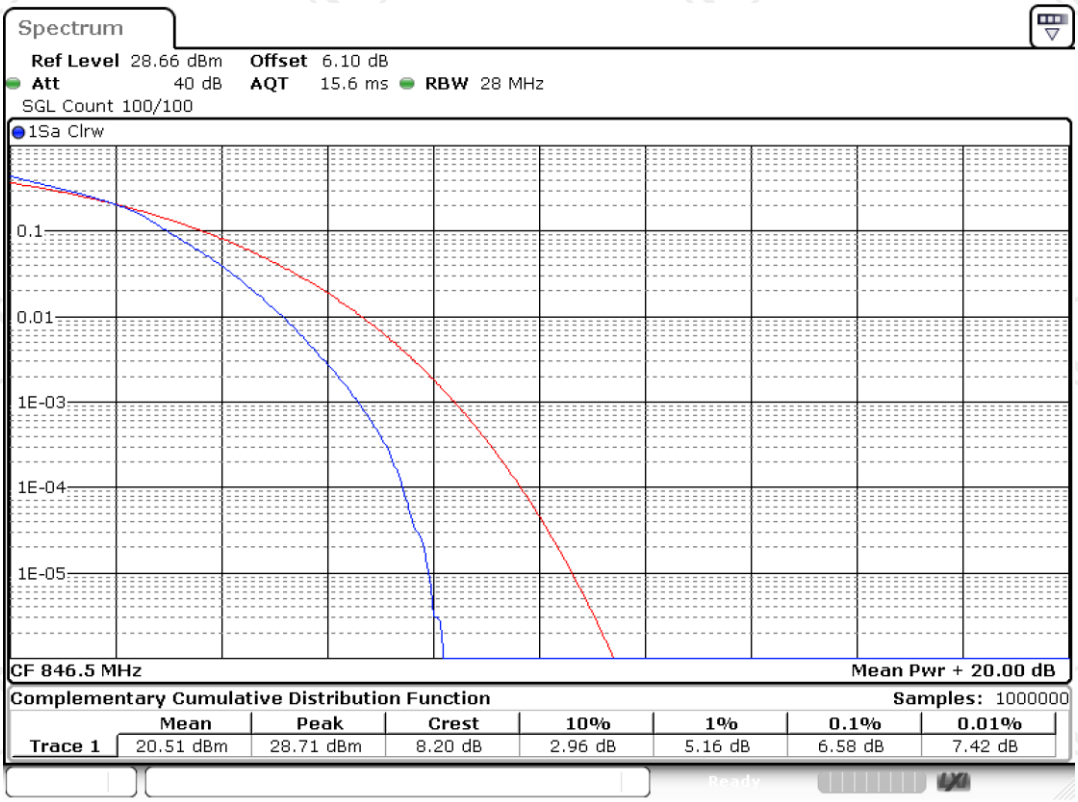
Date: 6.JUN.2023 11:32:53

Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0



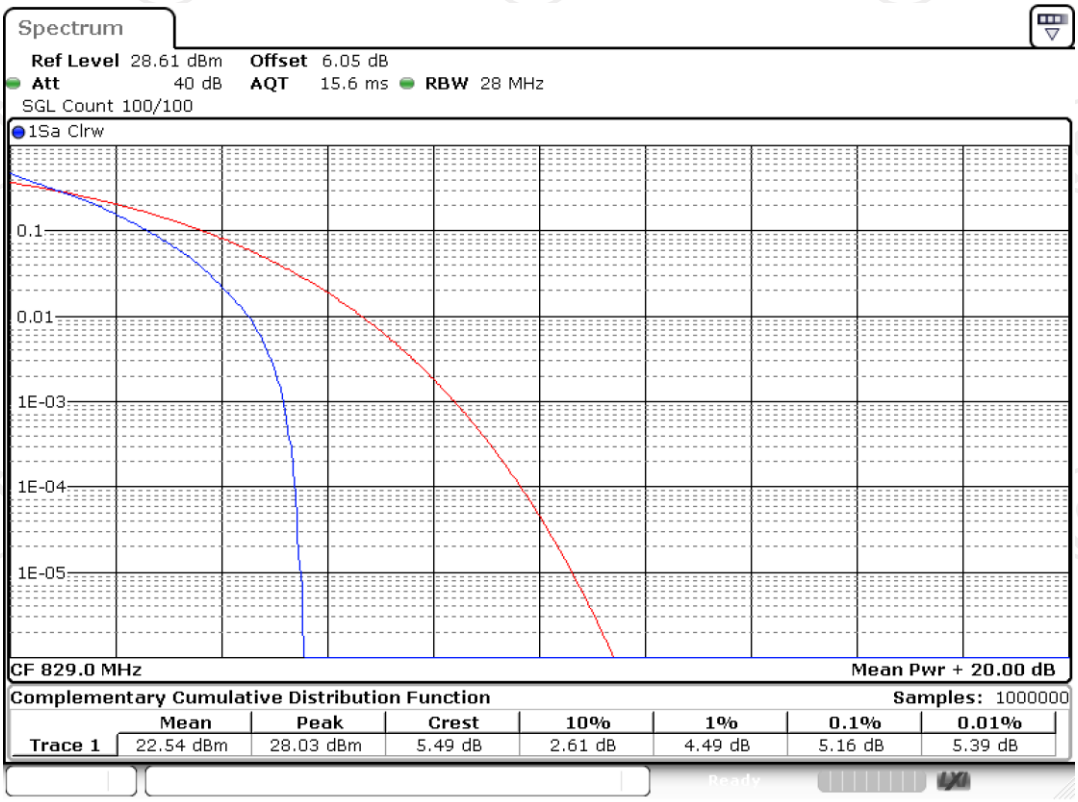
Date: 6.JUN.2023 11:33:00

Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



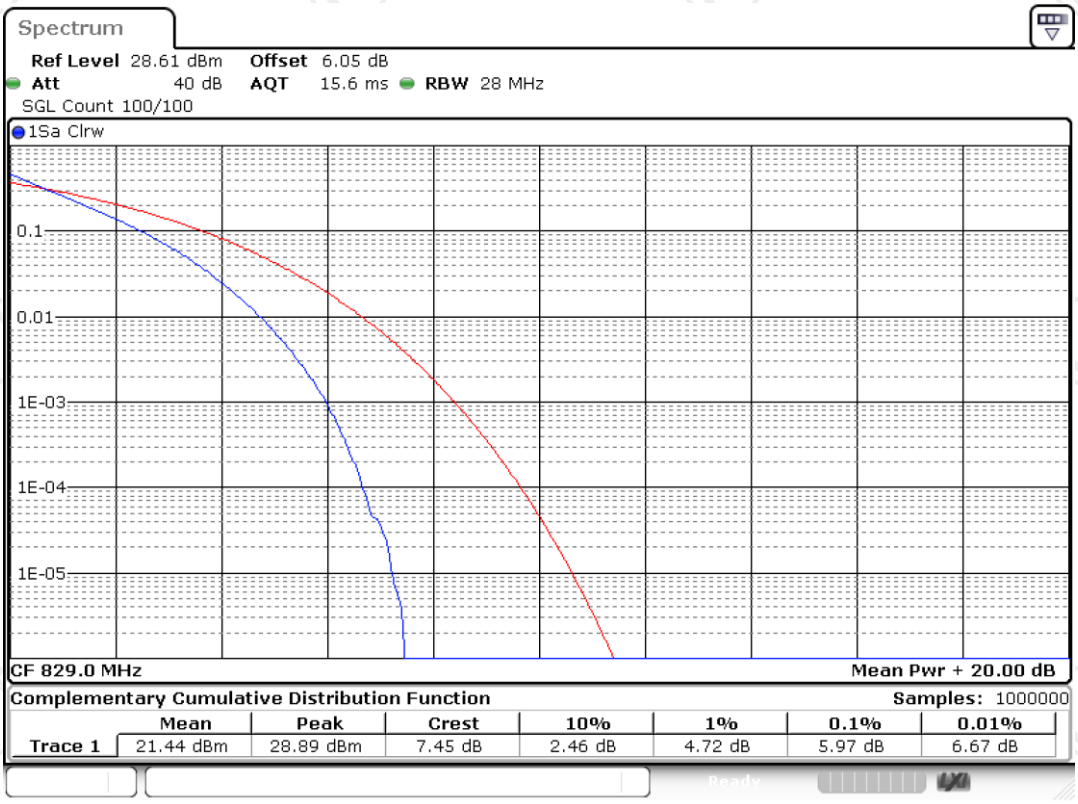
Date: 6.JUN.2023 11:33:06

Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



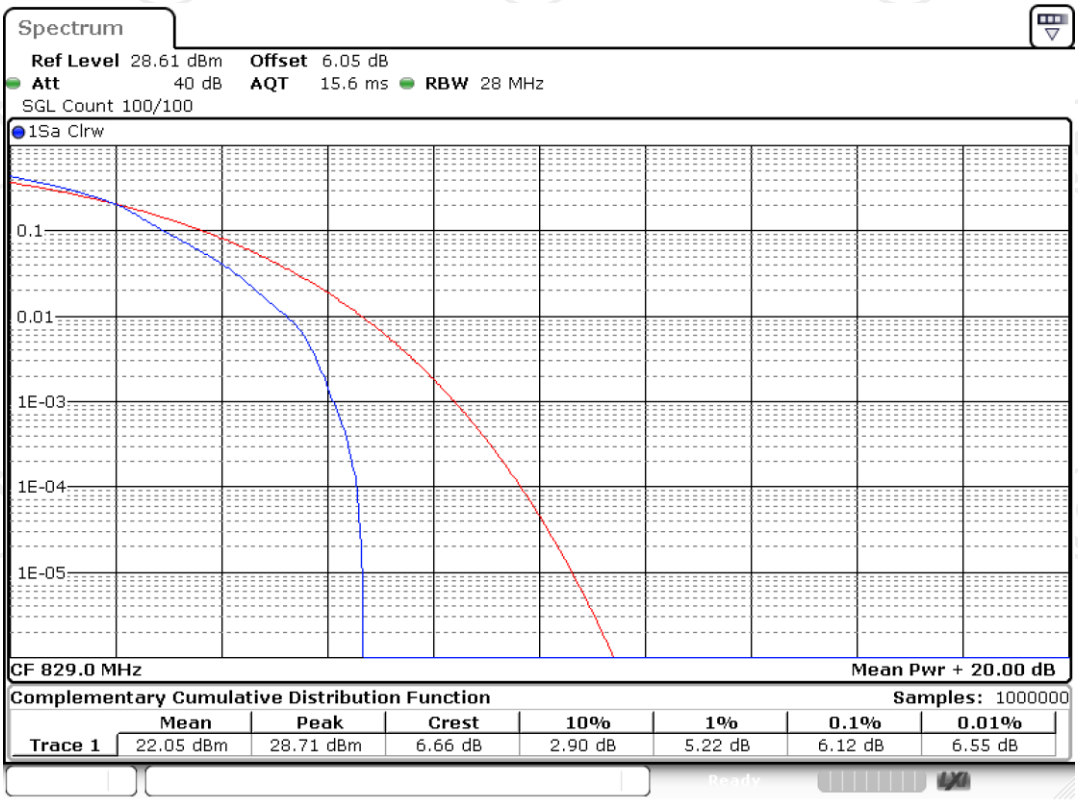
Date: 6.JUN.2023 11:33:13

Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



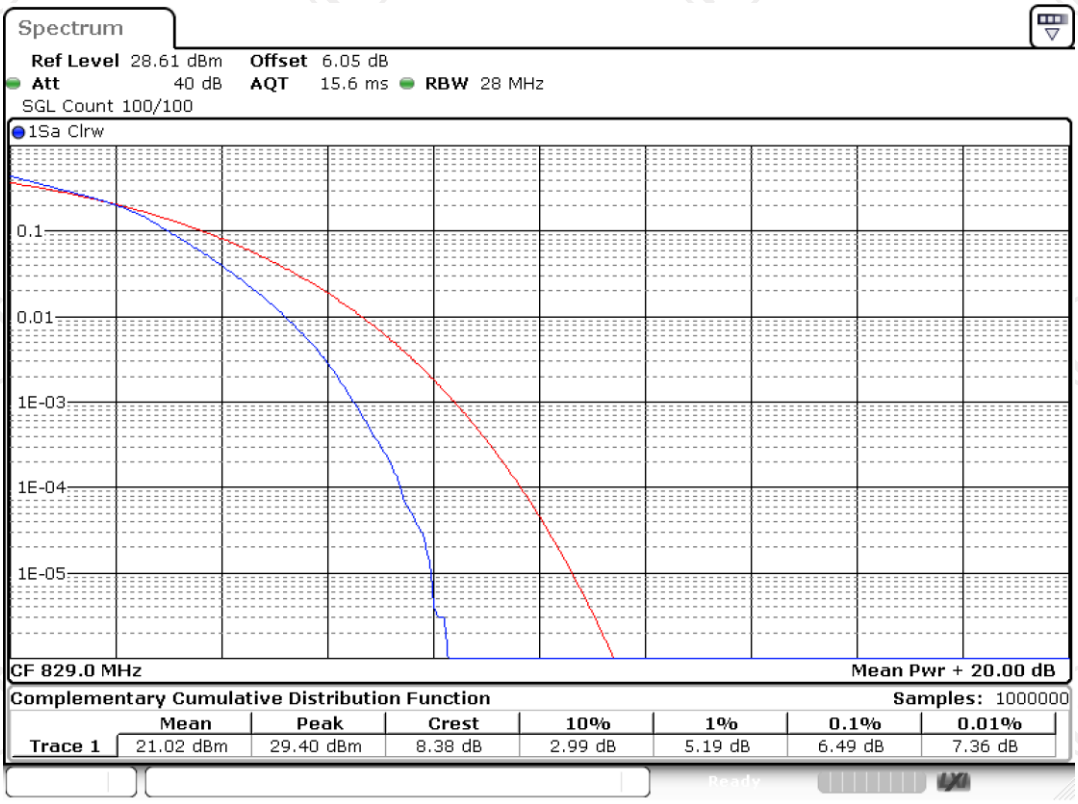
Date: 6.JUN.2023 11:33:19

Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0



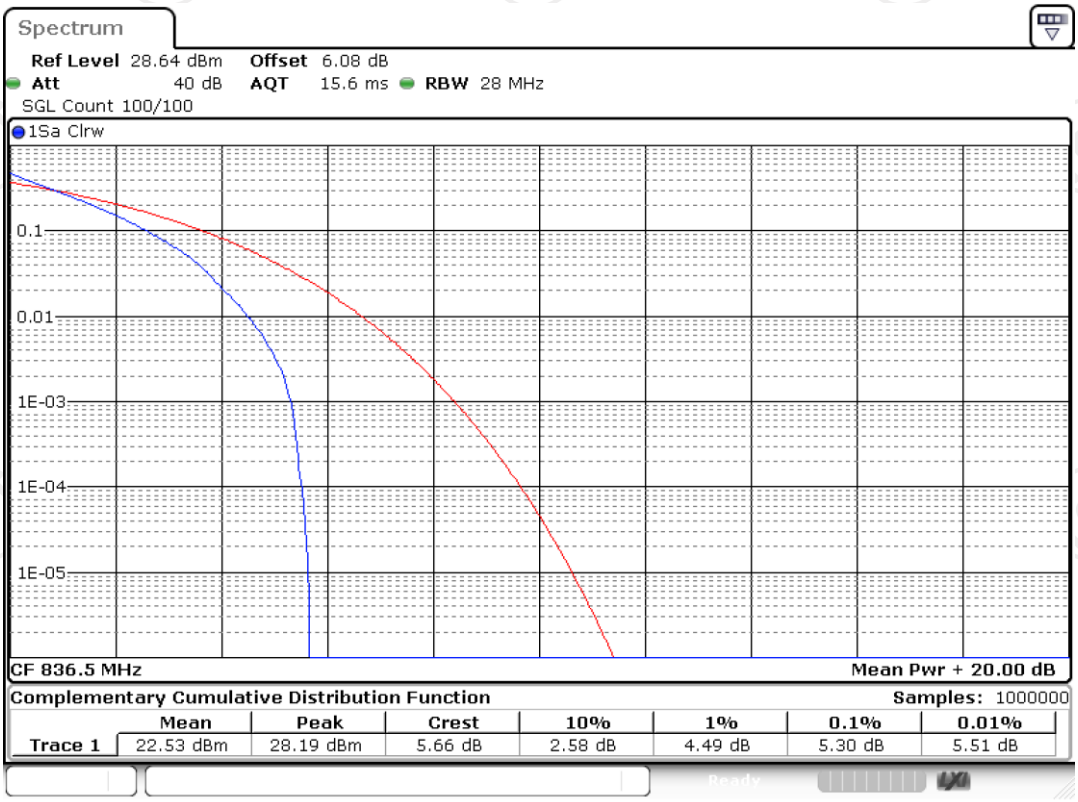
Date: 6.JUN.2023 11:33:26

Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



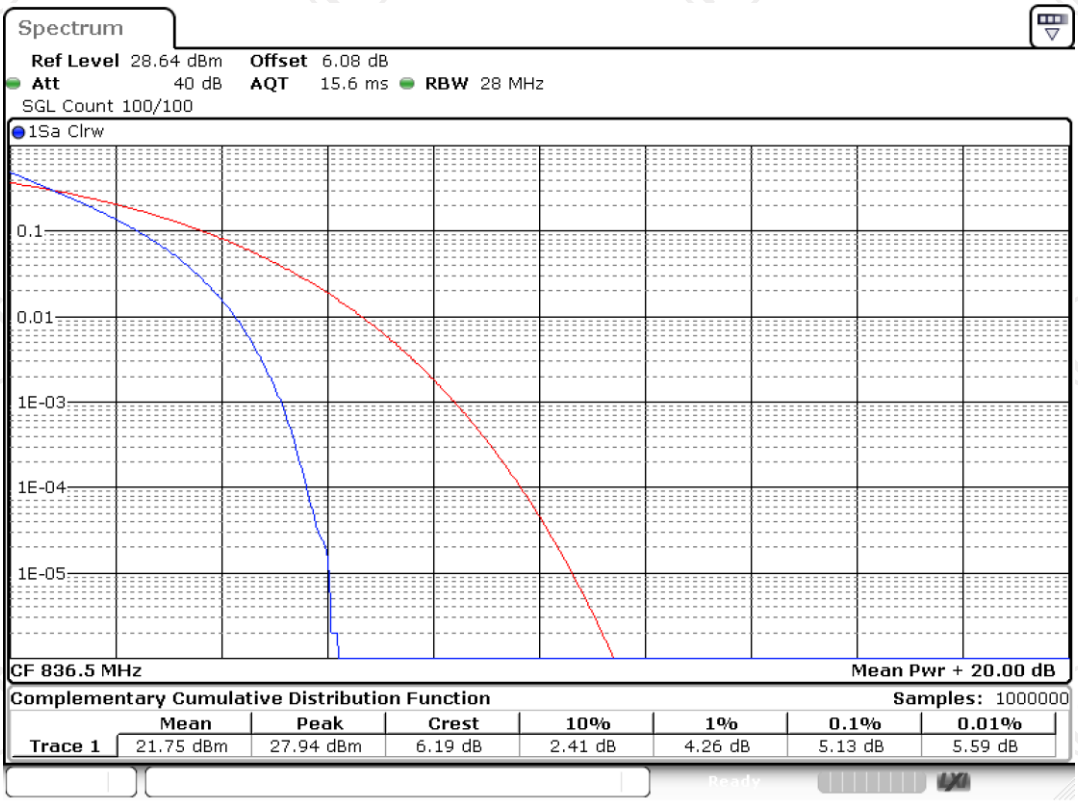
Date: 6.JUN.2023 11:33:32

Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



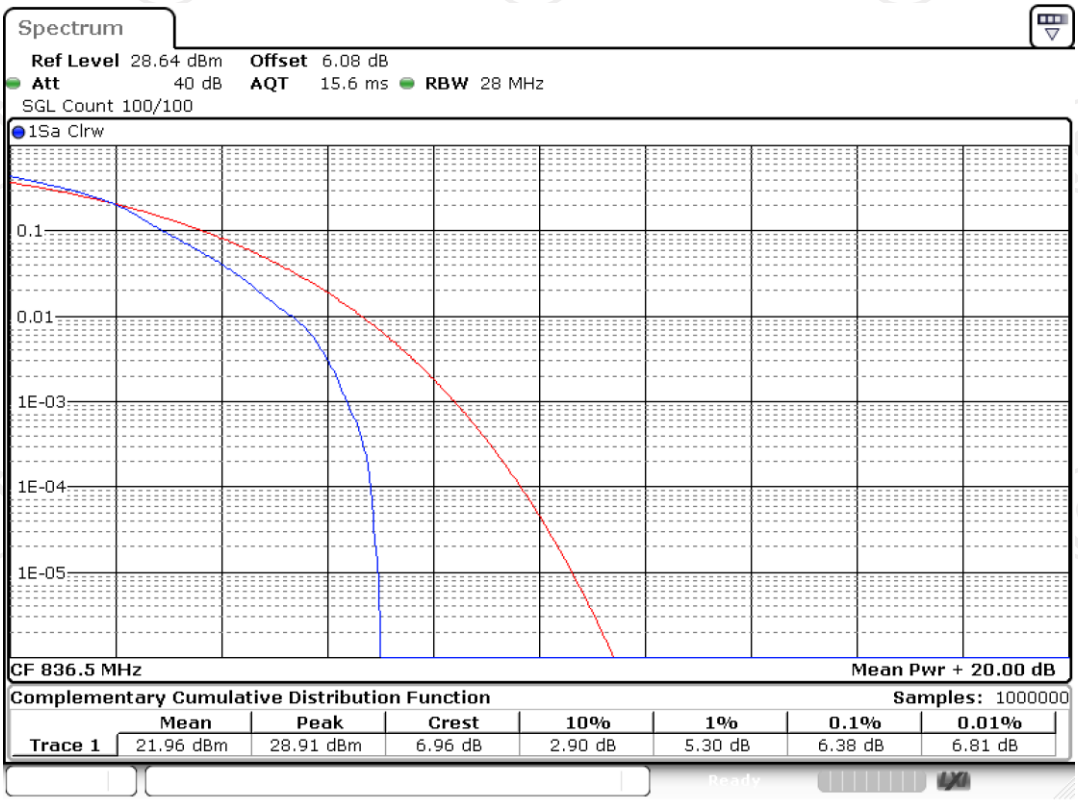
Date: 6.JUN.2023 11:33:39

Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



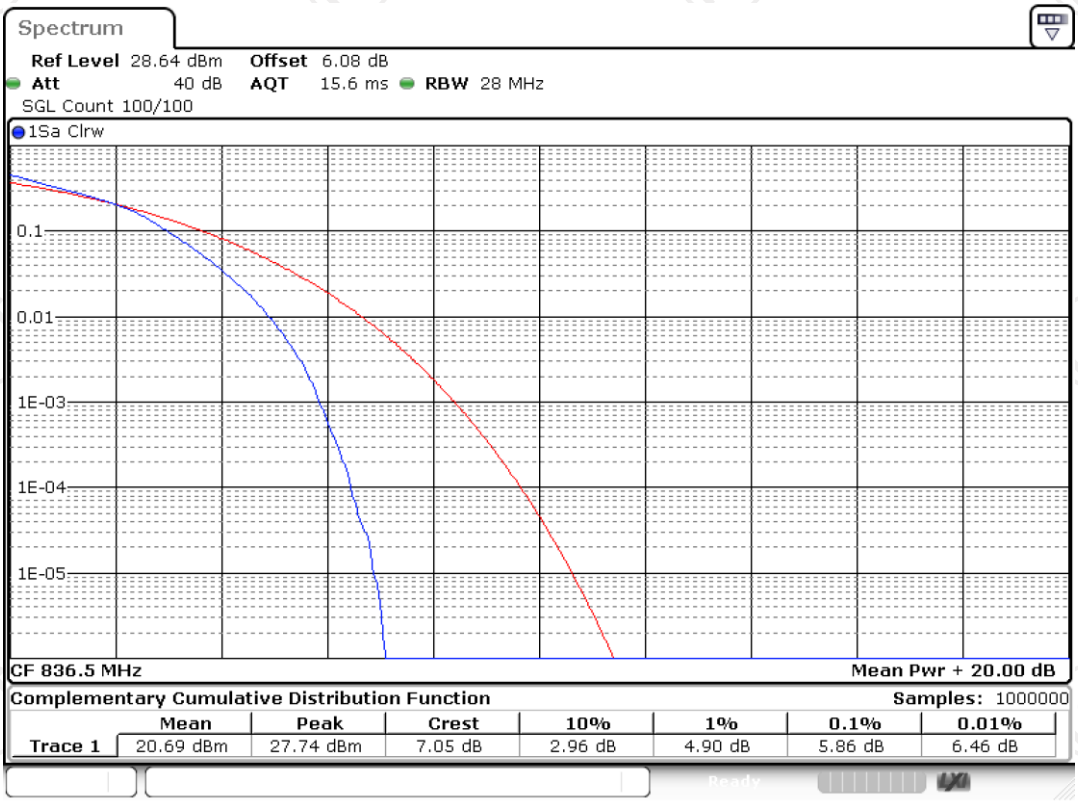
Date: 6.JUN.2023 11:33:45

Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0



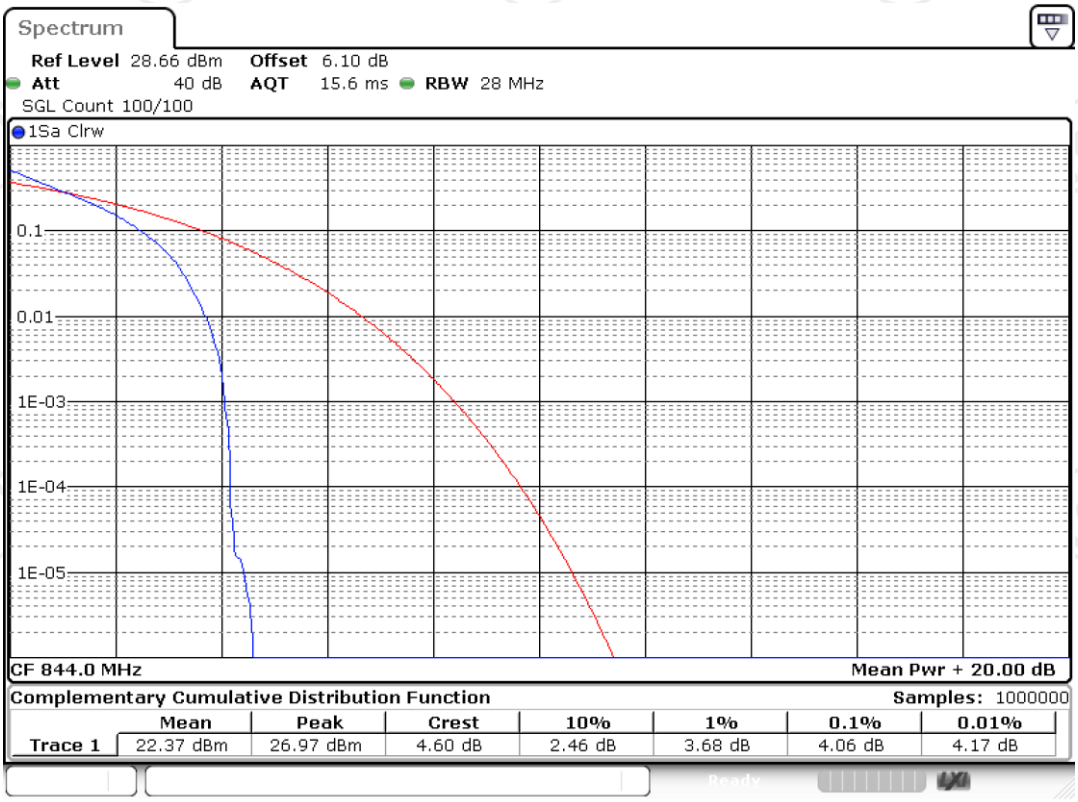
Date: 6.JUN.2023 11:33:52

Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0



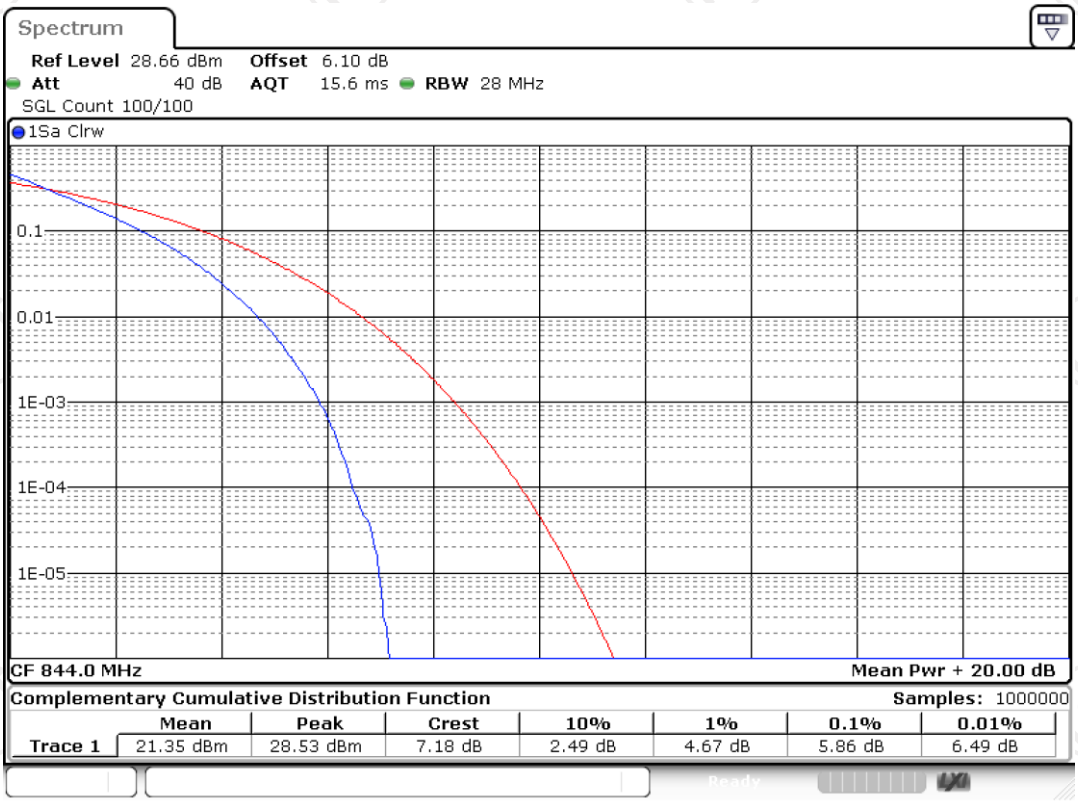
Date: 6.JUN.2023 11:33:58

Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0



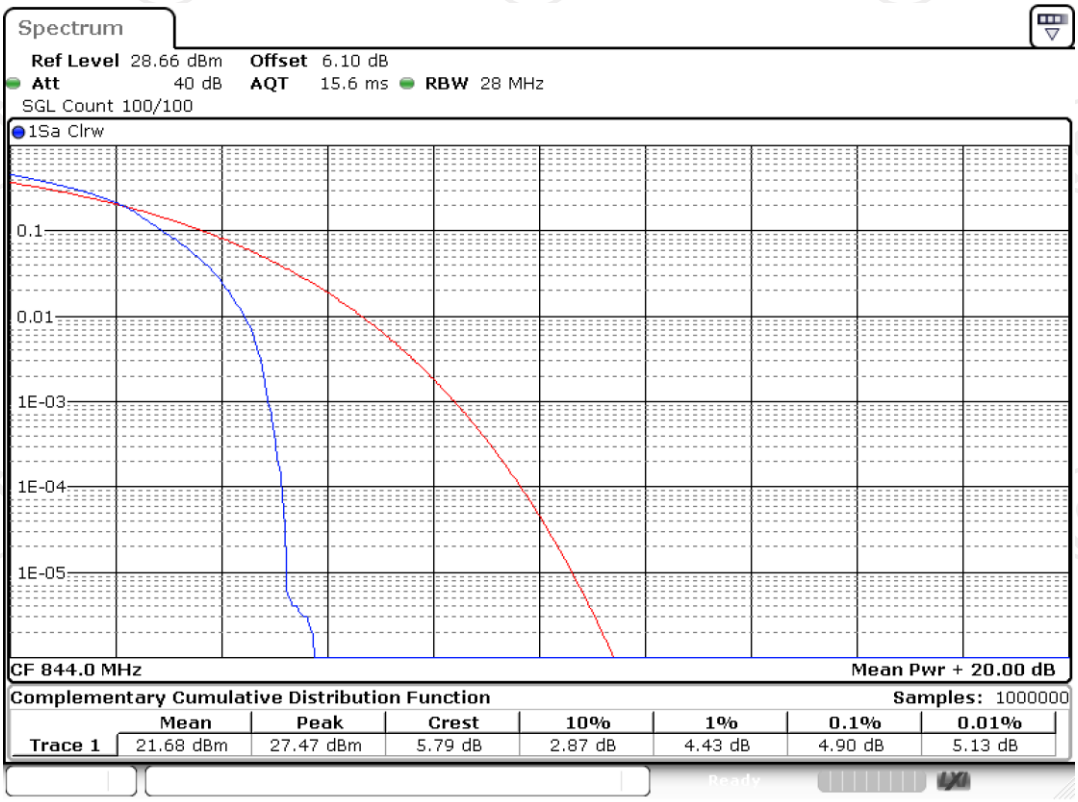
Date: 6.JUN.2023 11:34:04

Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



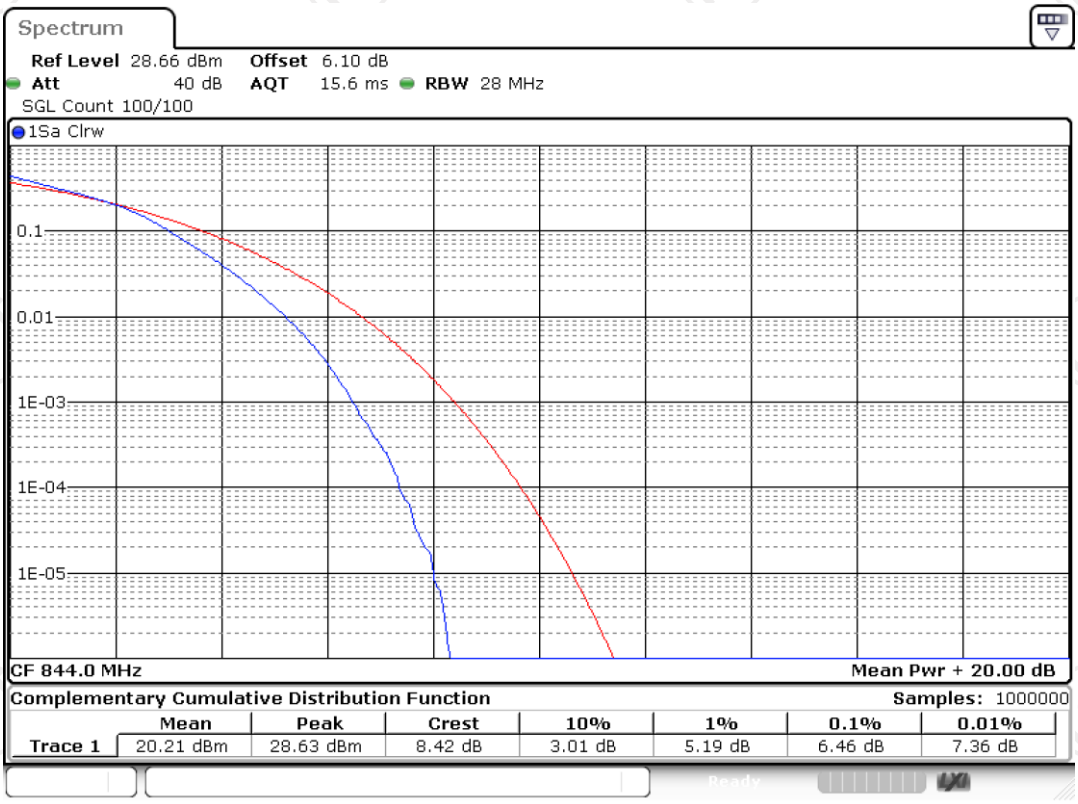
Date: 6.JUN.2023 11:34:11

Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0



Date: 6.JUN.2023 11:34:17

Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0

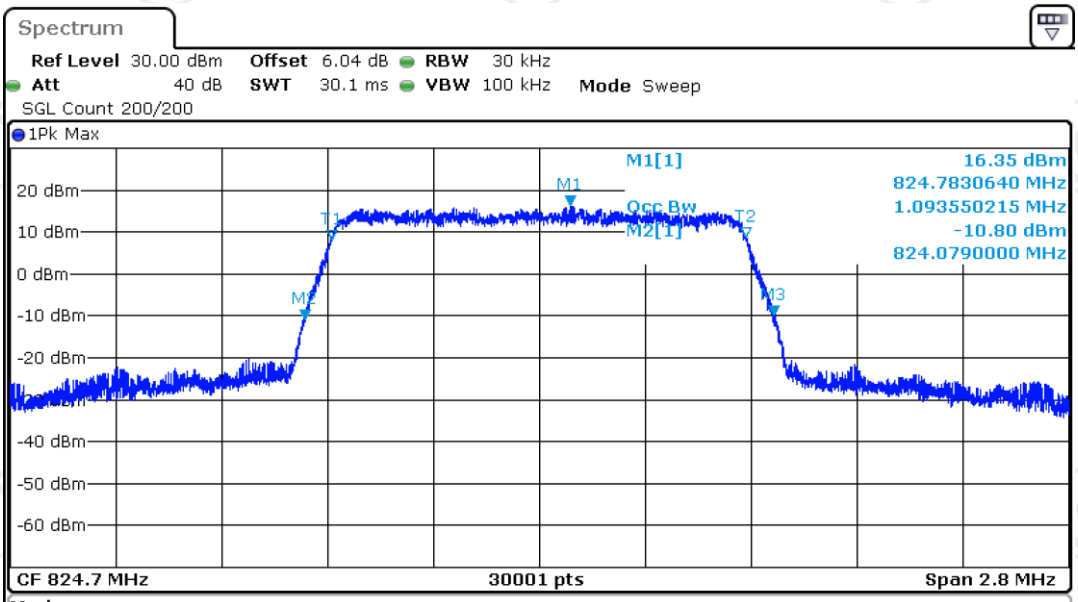


Date: 6.JUN.2023 11:34:24

4 Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20407	6	#0	QPSK	1.094	1.241	PASS
Band5	1.4	20407	6	#0	16QAM	1.094	1.242	PASS
Band5	1.4	20525	6	#0	QPSK	1.094	1.249	PASS
Band5	1.4	20525	6	#0	16QAM	1.094	1.249	PASS
Band5	1.4	20643	6	#0	QPSK	1.092	1.239	PASS
Band5	1.4	20643	6	#0	16QAM	1.093	1.247	PASS
Band5	3	20415	15	#0	QPSK	2.737	3.098	PASS
Band5	3	20415	15	#0	16QAM	2.732	3.089	PASS
Band5	3	20525	15	#0	QPSK	2.743	3.118	PASS
Band5	3	20525	15	#0	16QAM	2.734	3.075	PASS
Band5	3	20635	15	#0	QPSK	2.738	3.089	PASS
Band5	3	20635	15	#0	16QAM	2.732	3.100	PASS
Band5	5	20425	25	#0	QPSK	4.488	4.974	PASS
Band5	5	20425	25	#0	16QAM	4.488	4.986	PASS
Band5	5	20525	25	#0	QPSK	4.487	4.959	PASS
Band5	5	20525	25	#0	16QAM	4.488	4.975	PASS
Band5	5	20625	25	#0	QPSK	4.490	4.956	PASS
Band5	5	20625	25	#0	16QAM	4.489	4.965	PASS
Band5	10	20450	50	#0	QPSK	9.006	9.957	PASS
Band5	10	20450	50	#0	16QAM	8.984	9.871	PASS
Band5	10	20525	50	#0	QPSK	8.966	9.921	PASS
Band5	10	20525	50	#0	16QAM	8.948	9.795	PASS
Band5	10	20600	50	#0	QPSK	8.998	9.916	PASS
Band5	10	20600	50	#0	16QAM	8.972	9.875	PASS

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.783064 MHz	16.35 dBm		
T1		1	824.151125 MHz	8.30 dBm	Occ Bw	1.093550215 MHz
T2		1	825.2446752 MHz	8.72 dBm		
M2		1	824.079 MHz	-10.80 dBm		
M3		1	825.32 MHz	-9.79 dBm		

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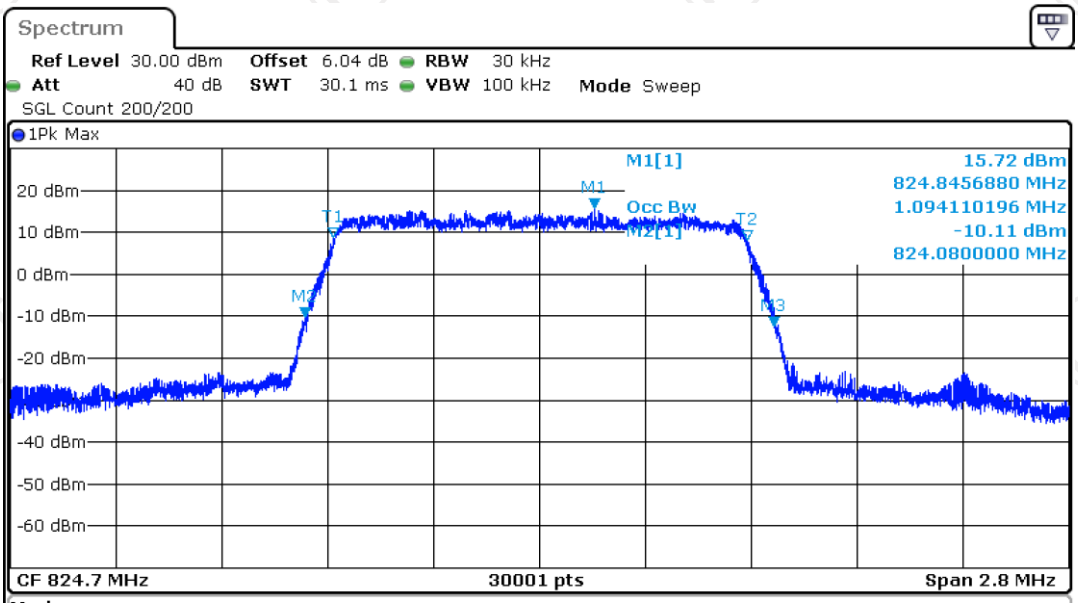
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.845688 MHz	15.72 dBm		
T1		1	824.1547648 MHz	8.66 dBm	Occ Bw	1.094110196 MHz
T2		1	825.248875 MHz	8.11 dBm		
M2		1	824.08 MHz	-10.11 dBm		
M3		1	825.322 MHz	-12.52 dBm		

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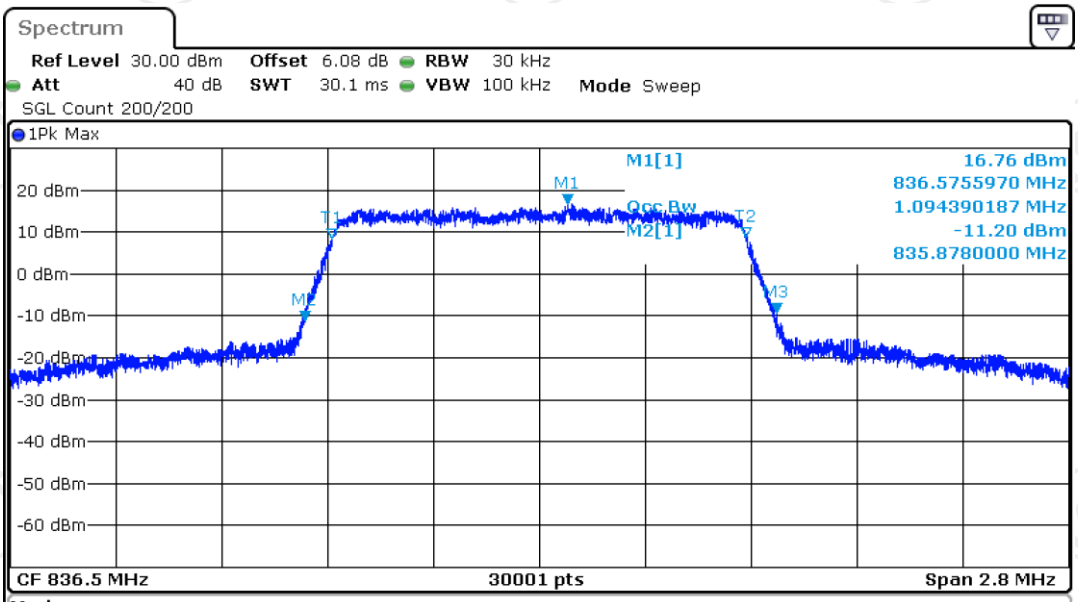
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0

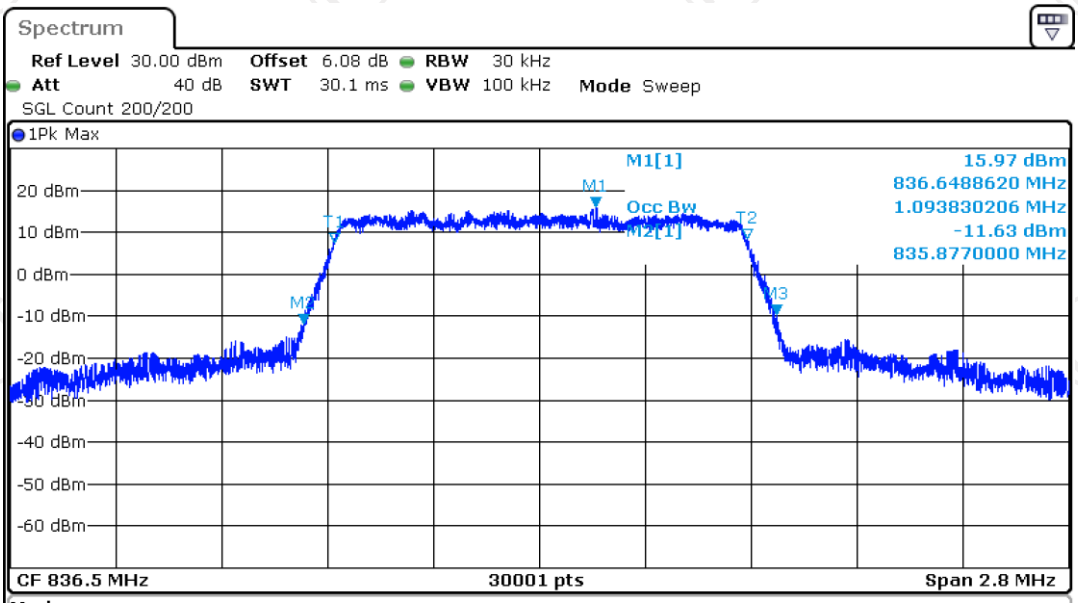


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	836.575597 MHz	16.76 dBm		
T1		1	835.9518716 MHz	8.47 dBm	Occ Bw	1.094390187 MHz
T2		1	837.0462618 MHz	8.73 dBm		
M2		1	835.878 MHz	-11.20 dBm		
M3		1	837.127 MHz	-9.22 dBm		

Date: 6.JUN.2023 11:35:20

Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	836.648862 MHz	15.97 dBm		
T1		1	835.9559781 MHz	7.52 dBm	Occ Bw	1.093830206 MHz
T2		1	837.0498083 MHz	8.33 dBm		
M2		1	835.877 MHz	-11.63 dBm		
M3		1	837.126 MHz	-9.57 dBm		

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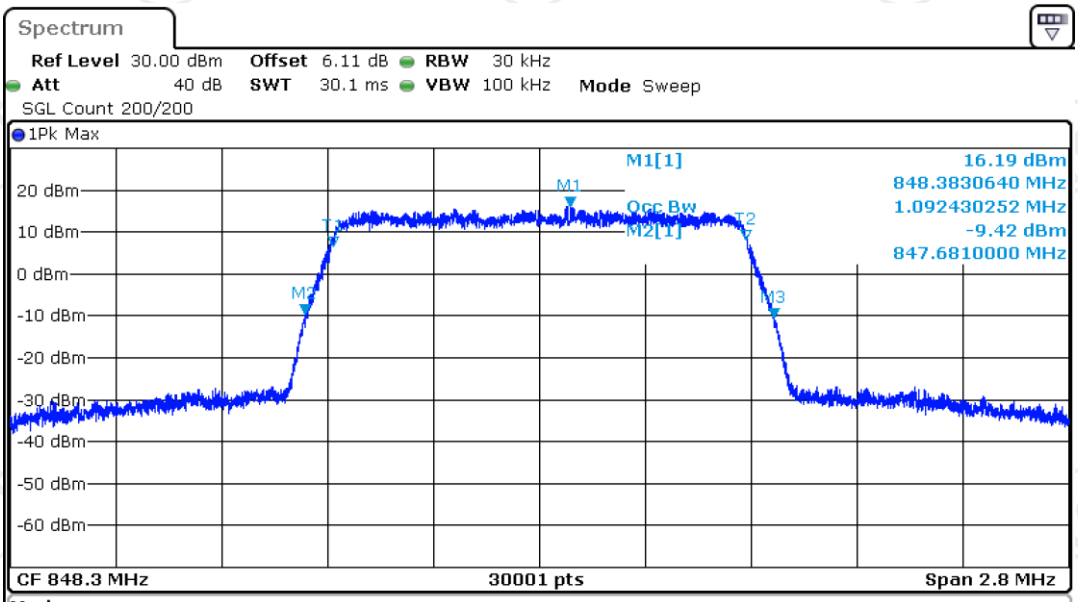
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	848.383064 MHz	16.19 dBm		
T1		1	847.7532716 MHz	6.69 dBm	Occ Bw	1.092430252 MHz
T2		1	848.8457018 MHz	8.31 dBm		
M2		1	847.681 MHz	-9.42 dBm		
M3		1	848.92 MHz	-10.36 dBm		

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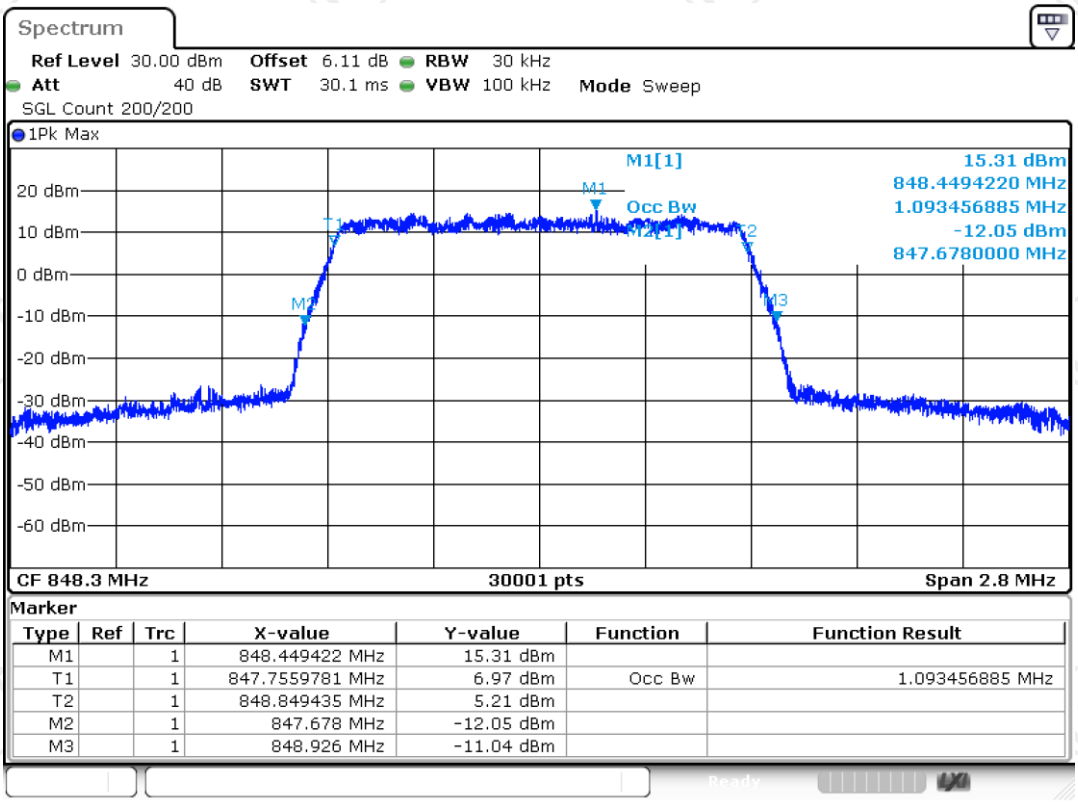
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	848.449422 MHz	15.31 dBm		
T1		1	847.7559781 MHz	6.97 dBm	Occ Bw	1.093456885 MHz
T2		1	848.849435 MHz	5.21 dBm		
M2		1	847.678 MHz	-12.05 dBm		
M3		1	848.926 MHz	-11.04 dBm		

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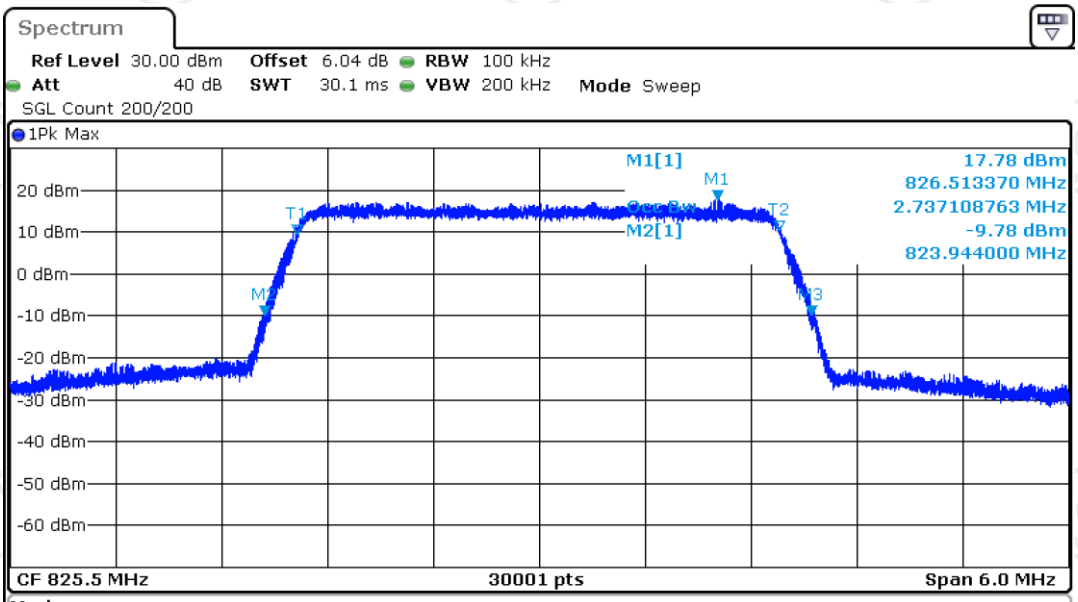
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	826.51337 MHz	17.78 dBm		
T1		1	824.125846 MHz	9.56 dBm	Occ Bw	2.737108763 MHz
T2		1	826.862955 MHz	10.24 dBm		
M2		1	823.944 MHz	-9.78 dBm		
M3		1	827.043 MHz	-10.02 dBm		

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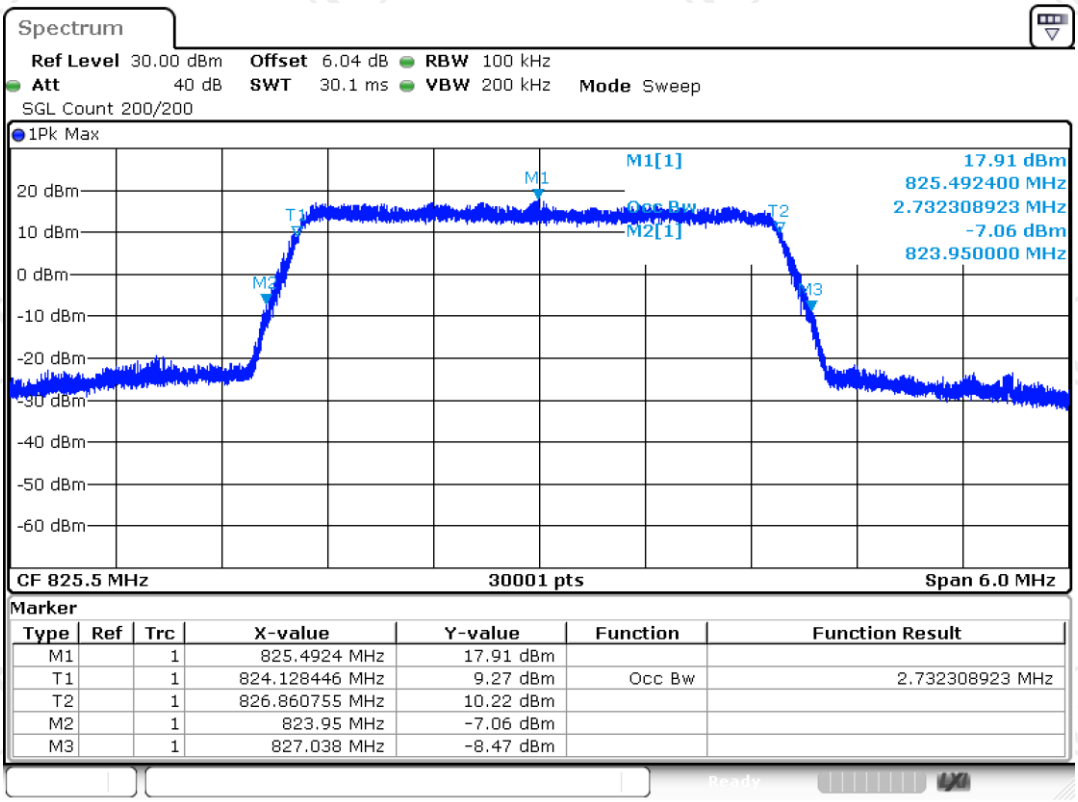
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

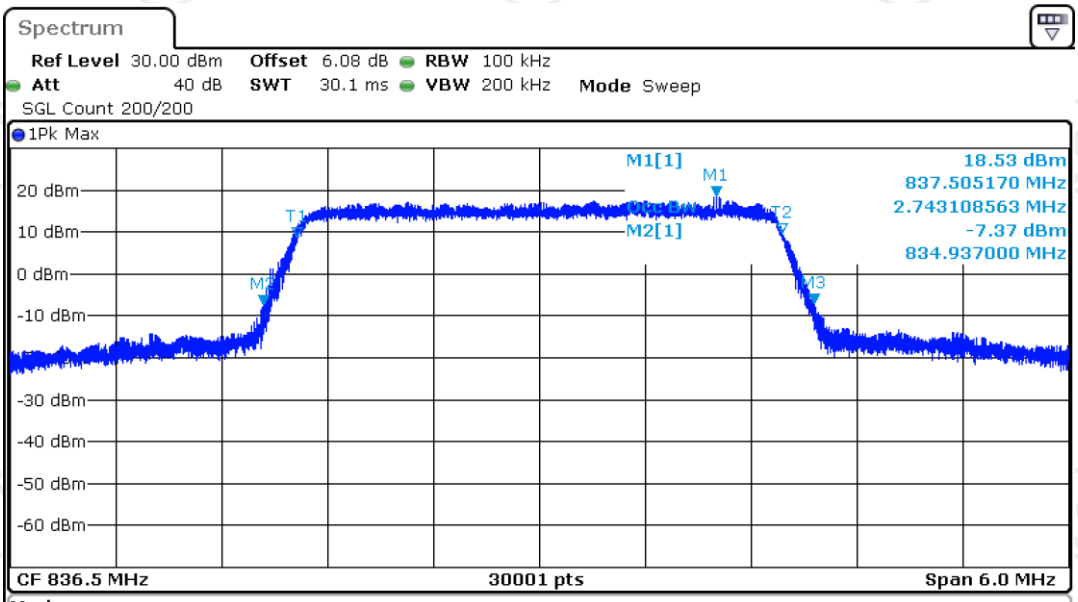


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	825.4924 MHz	17.91 dBm		
T1		1	824.128446 MHz	9.27 dBm	Occ Bw	2.732308923 MHz
T2		1	826.860755 MHz	10.22 dBm		
M2		1	823.95 MHz	-7.06 dBm		
M3		1	827.038 MHz	-8.47 dBm		

Date: 6.JUN.2023 11:36:50

Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0

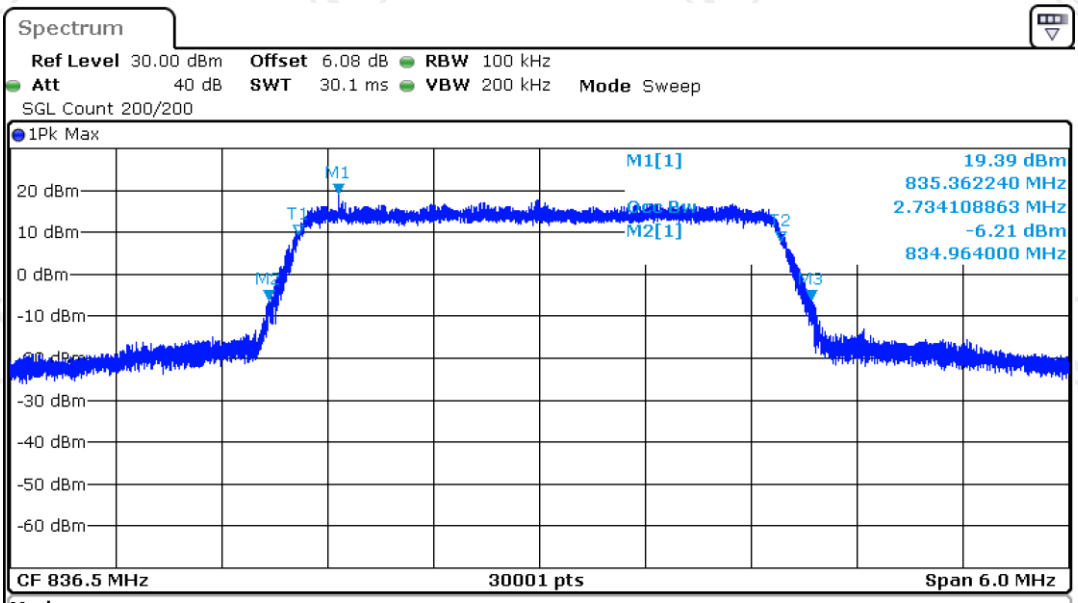


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	837.50517 MHz	18.53 dBm		
T1		1	835.127846 MHz	8.95 dBm	Occ Bw	2.743108563 MHz
T2		1	837.870954 MHz	9.81 dBm		
M2		1	834.937 MHz	-7.37 dBm		
M3		1	838.055 MHz	-7.17 dBm		

Date: 6.JUN.2023 11:37:08

Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0

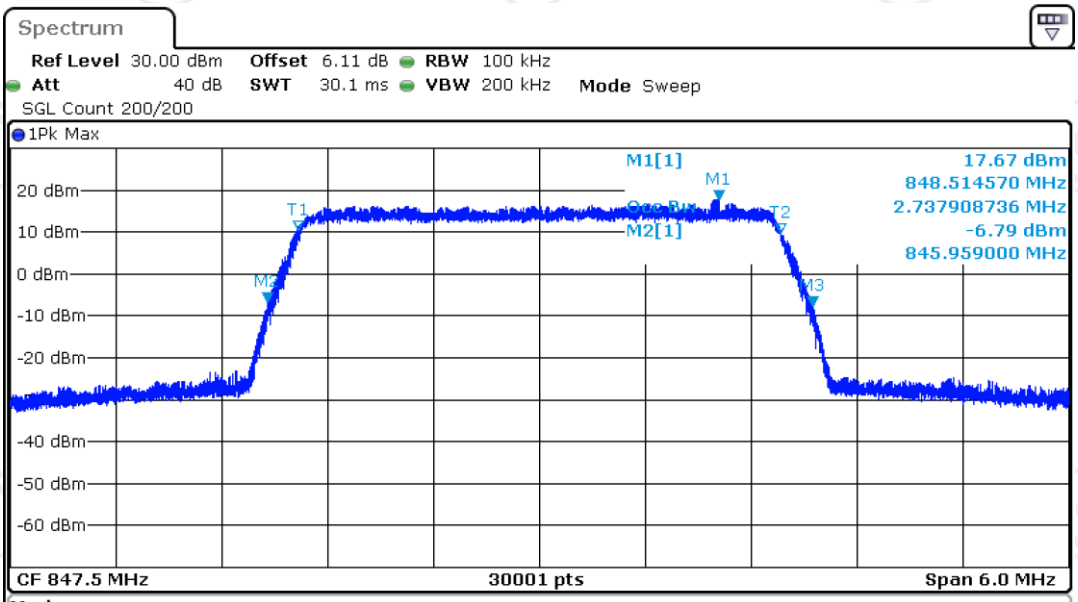


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.36224 MHz	19.39 dBm		
T1		1	835.133846 MHz	9.35 dBm	Occ Bw	2.734108863 MHz
T2		1	837.867954 MHz	7.82 dBm		
M2		1	834.964 MHz	-6.21 dBm		
M3		1	838.039 MHz	-5.99 dBm		

Date: 6.JUN.2023 11:37:25

Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



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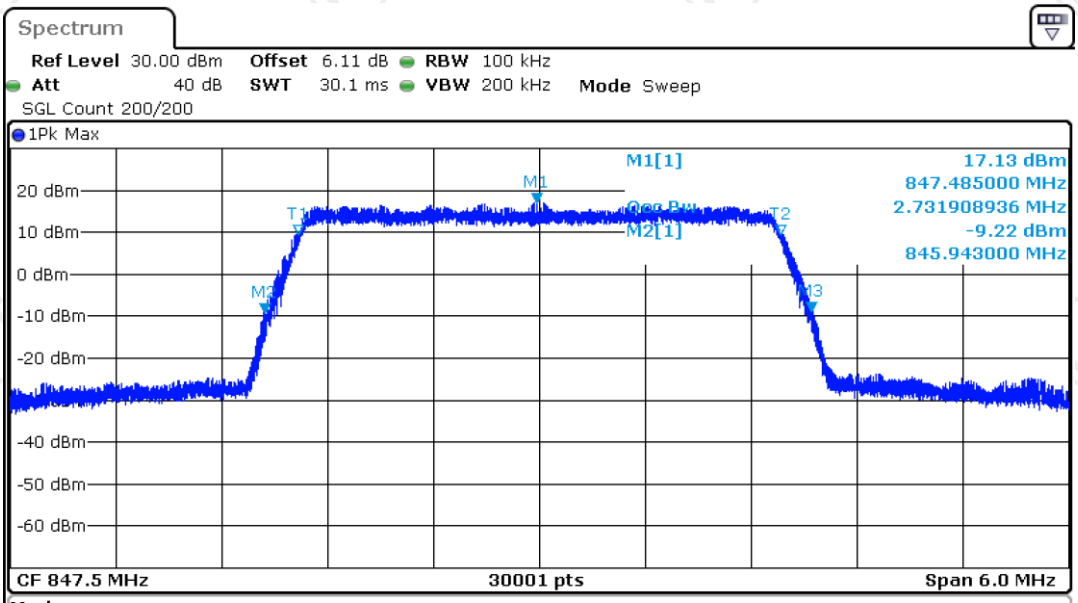
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	848.51457 MHz	17.67 dBm		
T1		1	846.129846 MHz	10.50 dBm	Occ Bw	2.737908736 MHz
T2		1	848.867754 MHz	9.67 dBm		
M2		1	845.959 MHz	-6.79 dBm		
M3		1	849.047 MHz	-7.77 dBm		

Date: 6.JUN.2023 11:37:42

Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

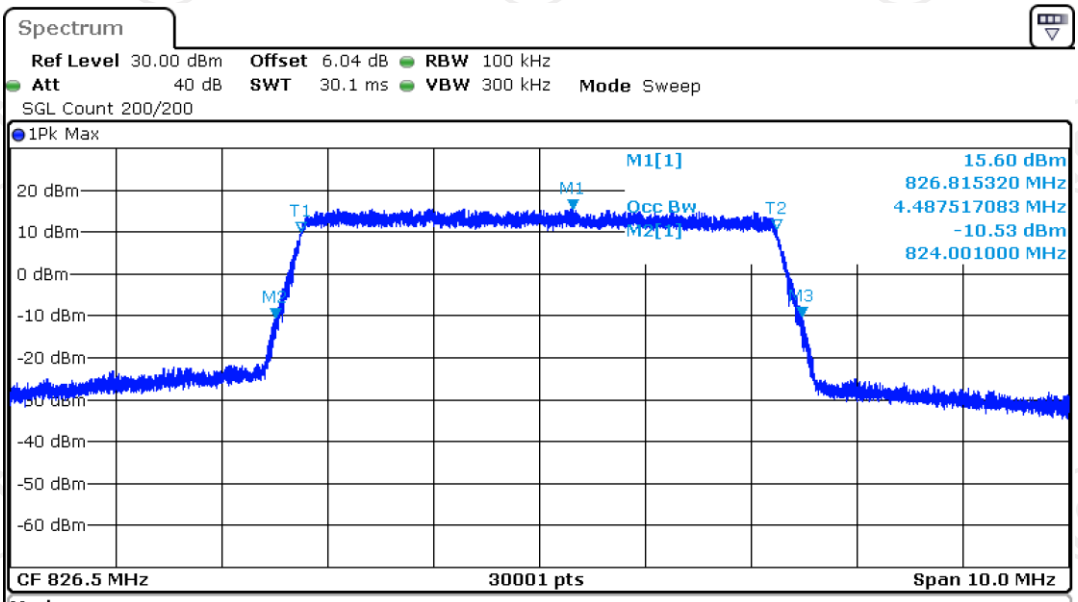


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.485 MHz	17.13 dBm		
T1		1	846.135245 MHz	9.48 dBm	Occ Bw	2.731908936 MHz
T2		1	848.867154 MHz	9.46 dBm		
M2		1	845.943 MHz	-9.22 dBm		
M3		1	849.043 MHz	-8.79 dBm		

Date: 6.JUN.2023 11:38:00

Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

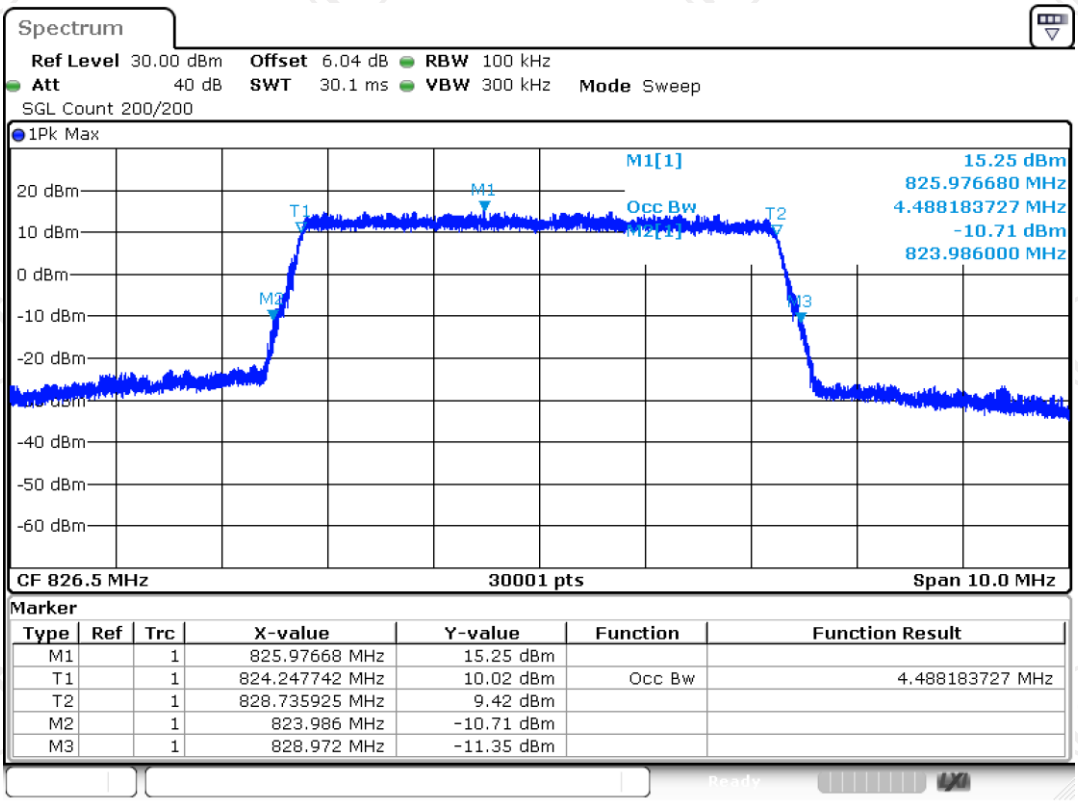


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	826.81532 MHz	15.60 dBm		
T1		1	824.248075 MHz	10.17 dBm	Occ Bw	4.487517083 MHz
T2		1	828.735592 MHz	10.75 dBm		
M2		1	824.001 MHz	-10.53 dBm		
M3		1	828.975 MHz	-10.07 dBm		

Date: 6.JUN.2023 11:38:18

Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

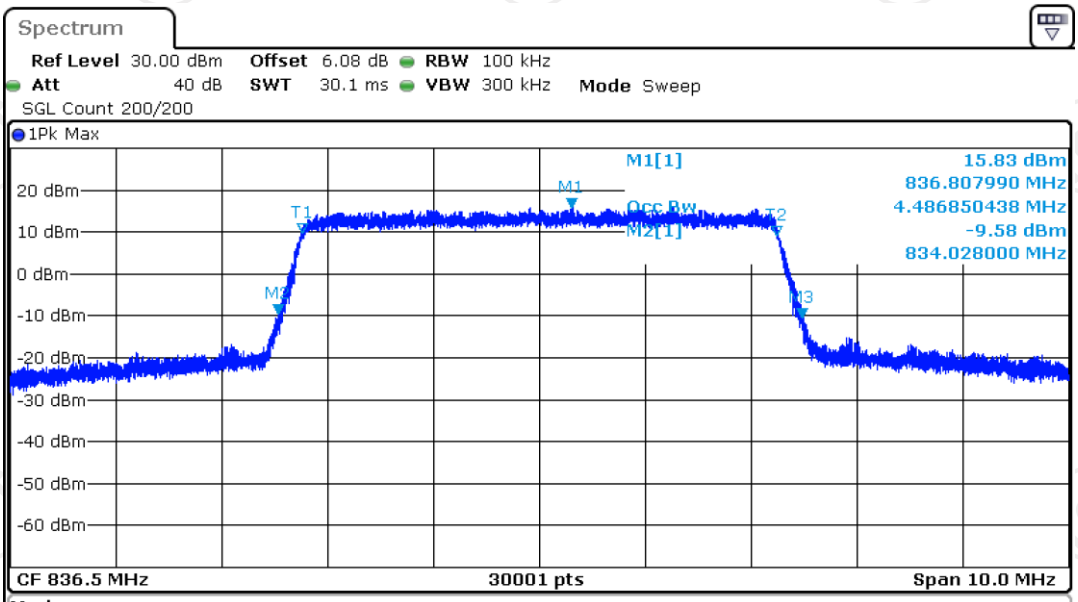


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	825.97668 MHz	15.25 dBm		
T1		1	824.247742 MHz	10.02 dBm	Occ Bw	4.488183727 MHz
T2		1	828.735925 MHz	9.42 dBm		
M2		1	823.986 MHz	-10.71 dBm		
M3		1	828.972 MHz	-11.35 dBm		

Date: 6.JUN.2023 11:38:36

Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

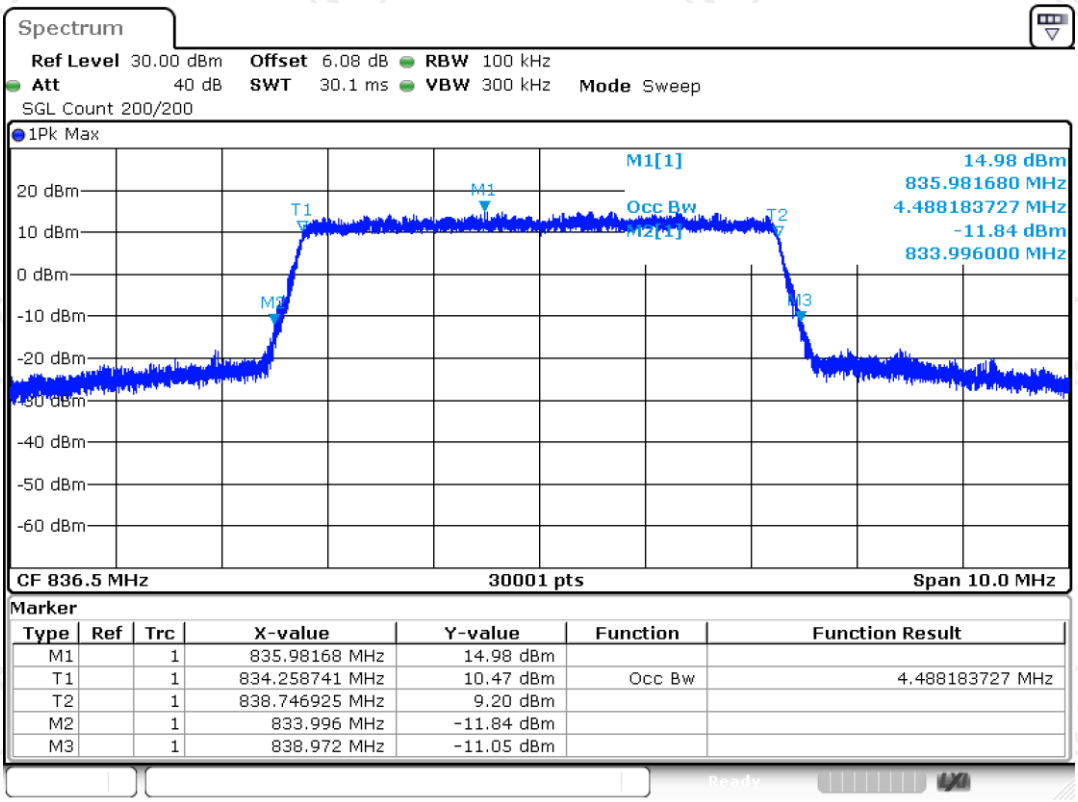


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	836.80799 MHz	15.83 dBm		
T1		1	834.259075 MHz	9.61 dBm	Occ Bw	4.486850438 MHz
T2		1	838.745925 MHz	9.19 dBm		
M2		1	834.028 MHz	-9.58 dBm		
M3		1	838.987 MHz	-10.66 dBm		

Date: 6.JUN.2023 11:38:54

Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0

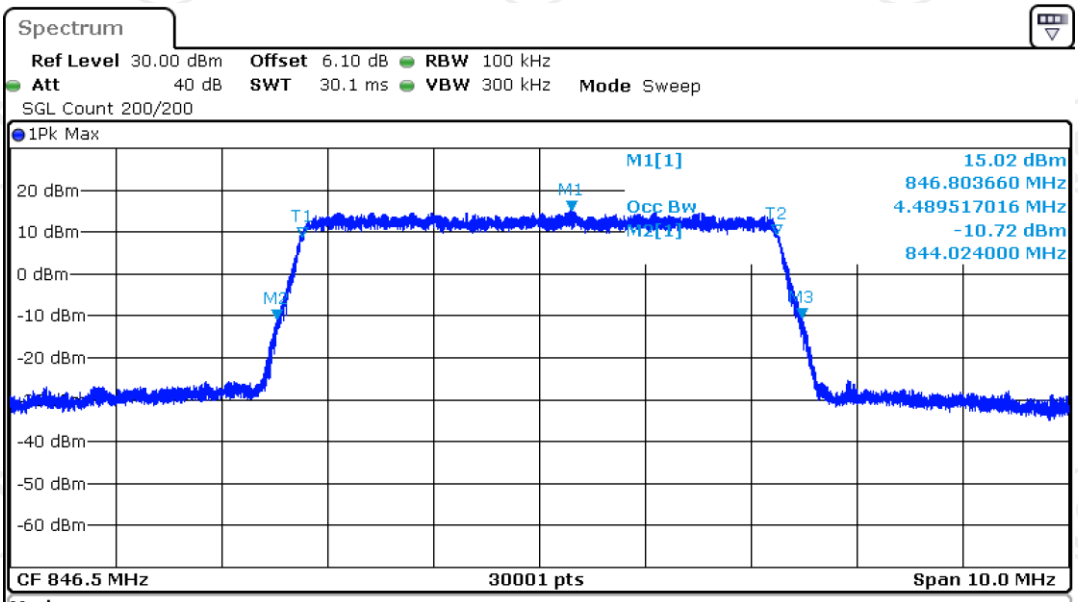


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.98168 MHz	14.98 dBm		
T1		1	834.258741 MHz	10.47 dBm	Occ Bw	4.488183727 MHz
T2		1	838.746925 MHz	9.20 dBm		
M2		1	833.996 MHz	-11.84 dBm		
M3		1	838.972 MHz	-11.05 dBm		

Date: 6.JUN.2023 11:39:11

Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

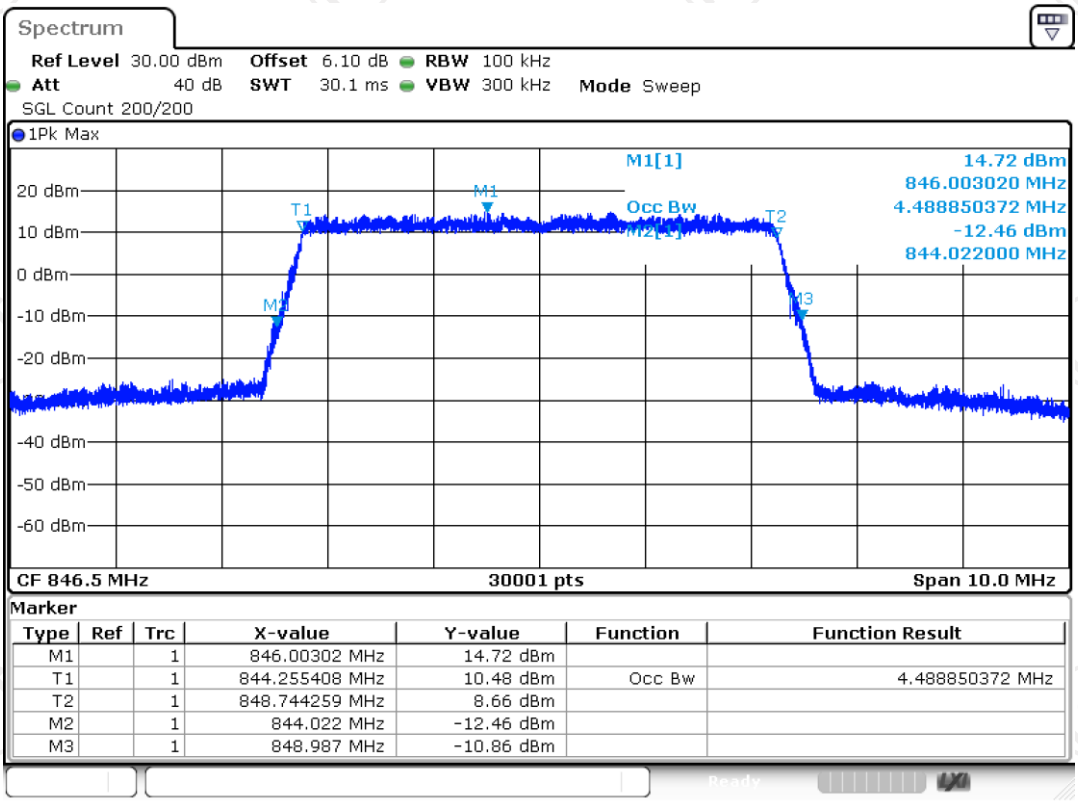


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.80366 MHz	15.02 dBm		
T1		1	844.256075 MHz	8.87 dBm	Occ Bw	4.489517016 MHz
T2		1	848.745592 MHz	9.47 dBm		
M2		1	844.024 MHz	-10.72 dBm		
M3		1	848.98 MHz	-10.64 dBm		

Date: 6.JUN.2023 11:39:29

Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

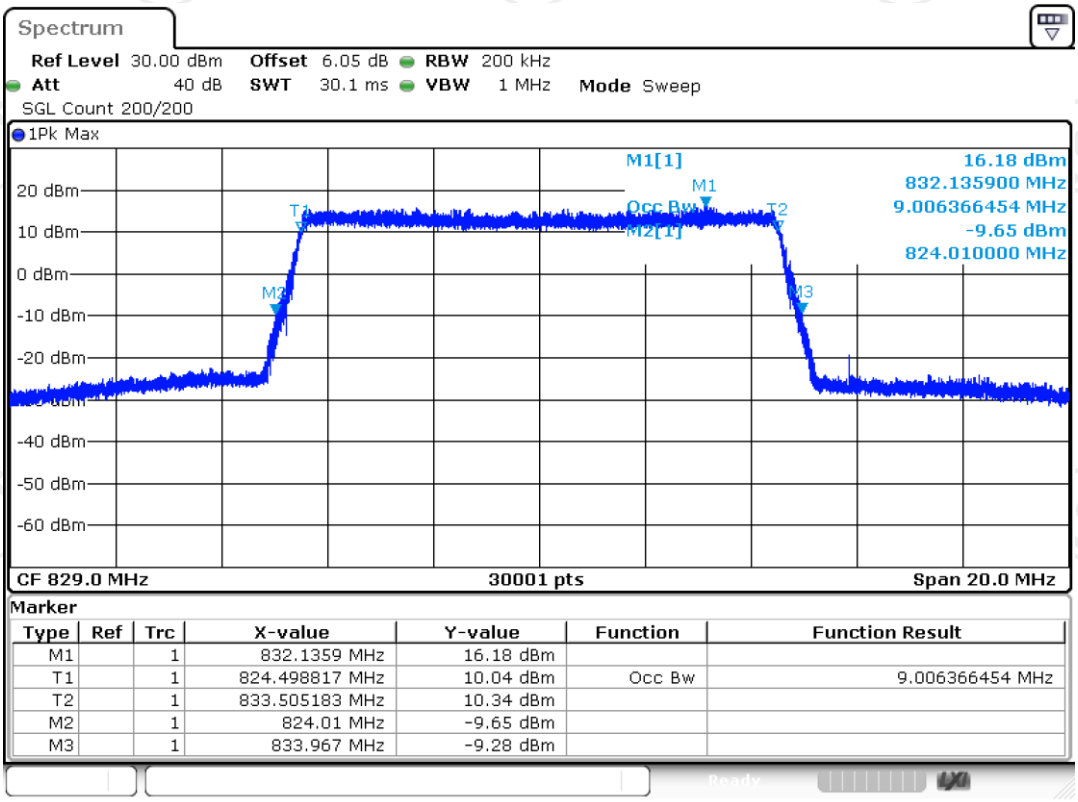


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.00302 MHz	14.72 dBm		
T1		1	844.255408 MHz	10.48 dBm	Occ Bw	4.488850372 MHz
T2		1	848.744259 MHz	8.66 dBm		
M2		1	844.022 MHz	-12.46 dBm		
M3		1	848.987 MHz	-10.86 dBm		

Date: 6.JUN.2023 11:39:46

Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	832.1359 MHz	16.18 dBm		
T1		1	824.498817 MHz	10.04 dBm	Occ Bw	9.006366454 MHz
T2		1	833.505183 MHz	10.34 dBm		
M2		1	824.01 MHz	-9.65 dBm		
M3		1	833.967 MHz	-9.28 dBm		

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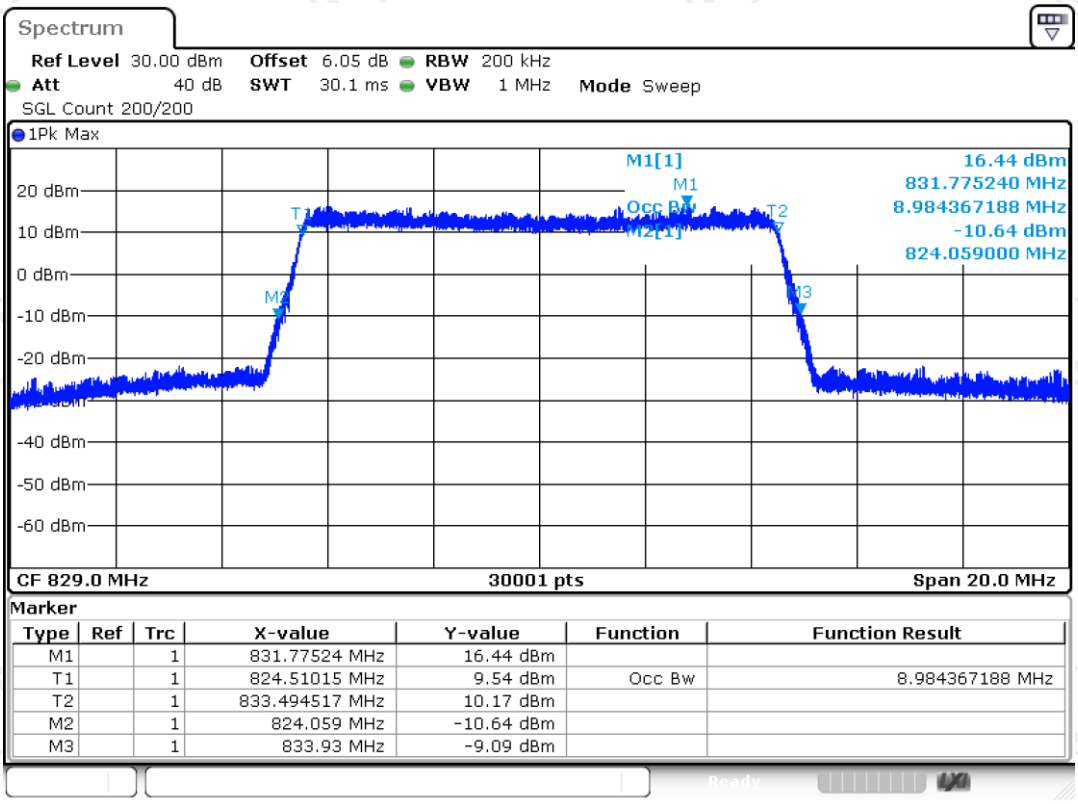
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

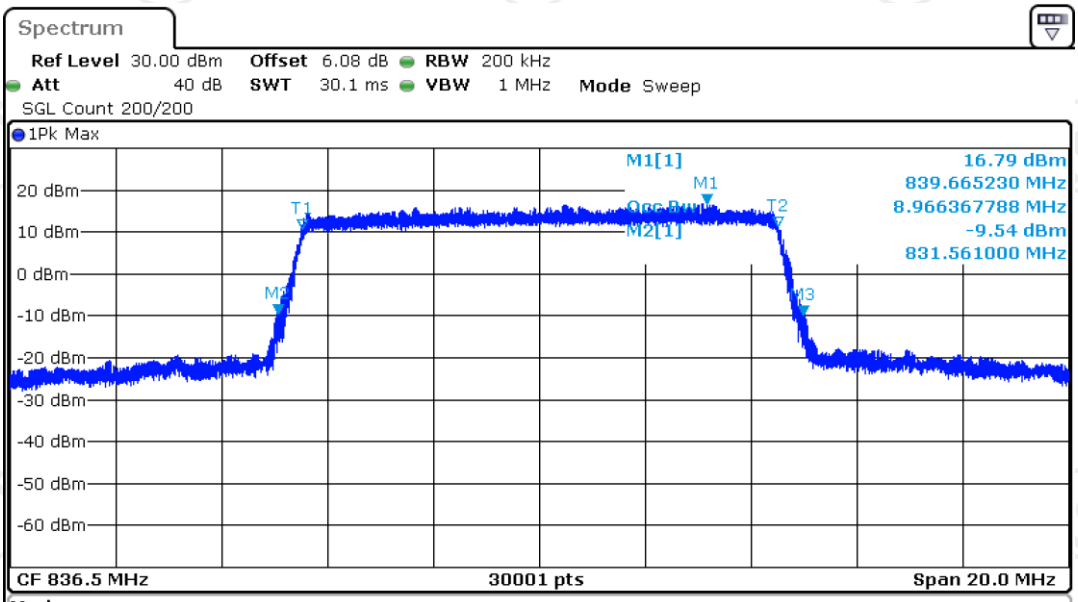


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.77524 MHz	16.44 dBm		
T1		1	824.51015 MHz	9.54 dBm	Occ Bw	8.984367188 MHz
T2		1	833.494517 MHz	10.17 dBm		
M2		1	824.059 MHz	-10.64 dBm		
M3		1	833.93 MHz	-9.09 dBm		

Date: 6.JUN.2023 11:40:23

Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

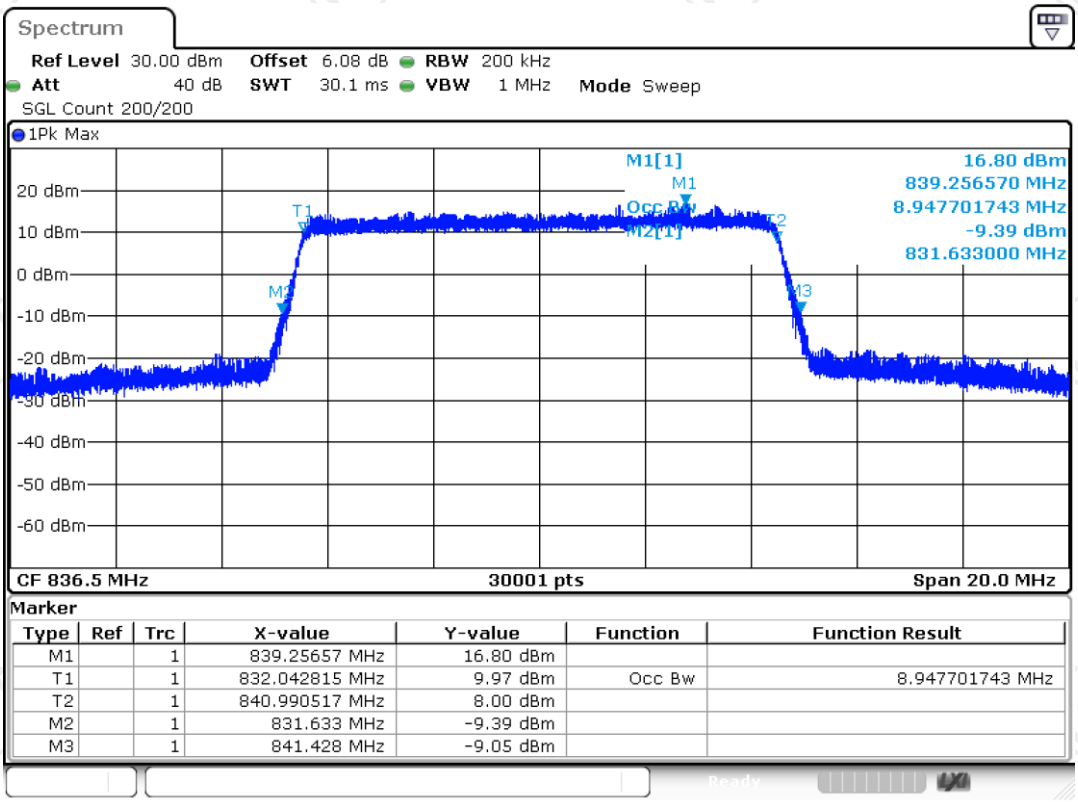


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.66523 MHz	16.79 dBm		
T1		1	832.031482 MHz	10.80 dBm	Occ Bw	8.966367788 MHz
T2		1	840.99785 MHz	11.21 dBm		
M2		1	831.561 MHz	-9.54 dBm		
M3		1	841.483 MHz	-9.94 dBm		

Date: 6.JUN.2023 11:40:41

Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0

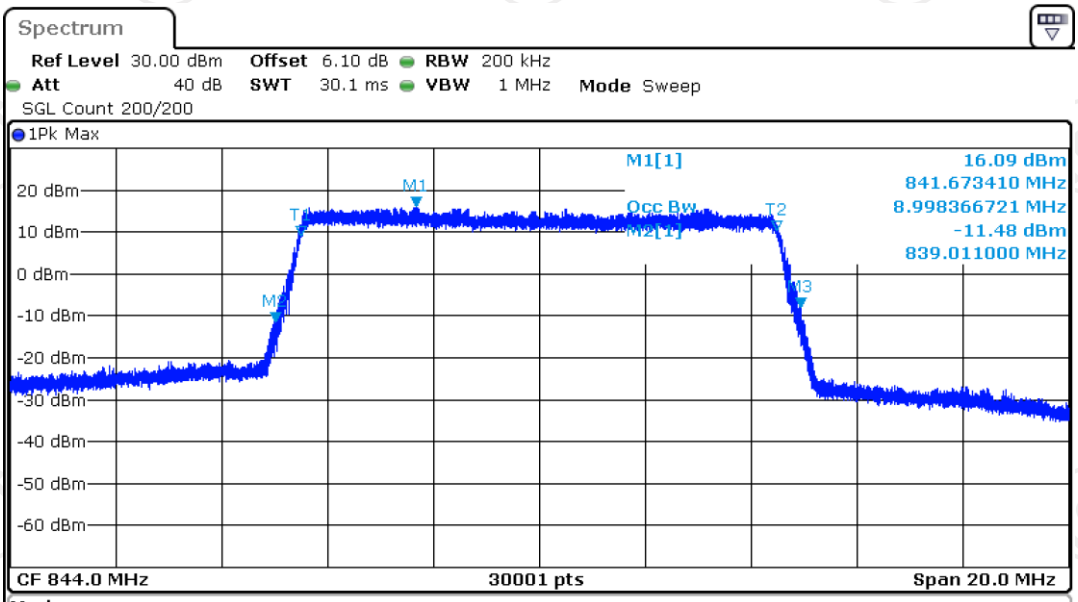


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.25657 MHz	16.80 dBm		
T1		1	832.042815 MHz	9.97 dBm	Occ Bw	8.947701743 MHz
T2		1	840.990517 MHz	8.00 dBm		
M2		1	831.633 MHz	-9.39 dBm		
M3		1	841.428 MHz	-9.05 dBm		

Date: 6.JUN.2023 11:40:59

Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	841.67341 MHz	16.09 dBm		
T1		1	839.491484 MHz	9.13 dBm	Occ Bw	8.998366721 MHz
T2		1	848.48985 MHz	10.33 dBm		
M2		1	839.011 MHz	-11.48 dBm		
M3		1	848.927 MHz	-7.96 dBm		

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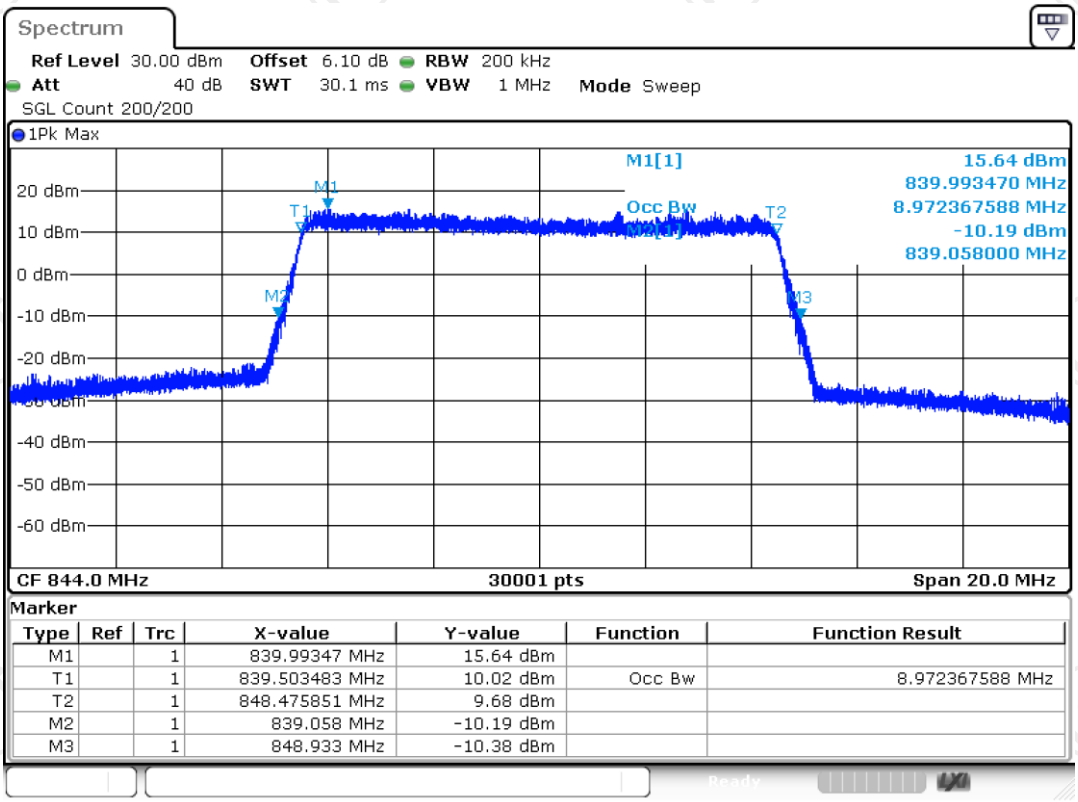
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0



Marker

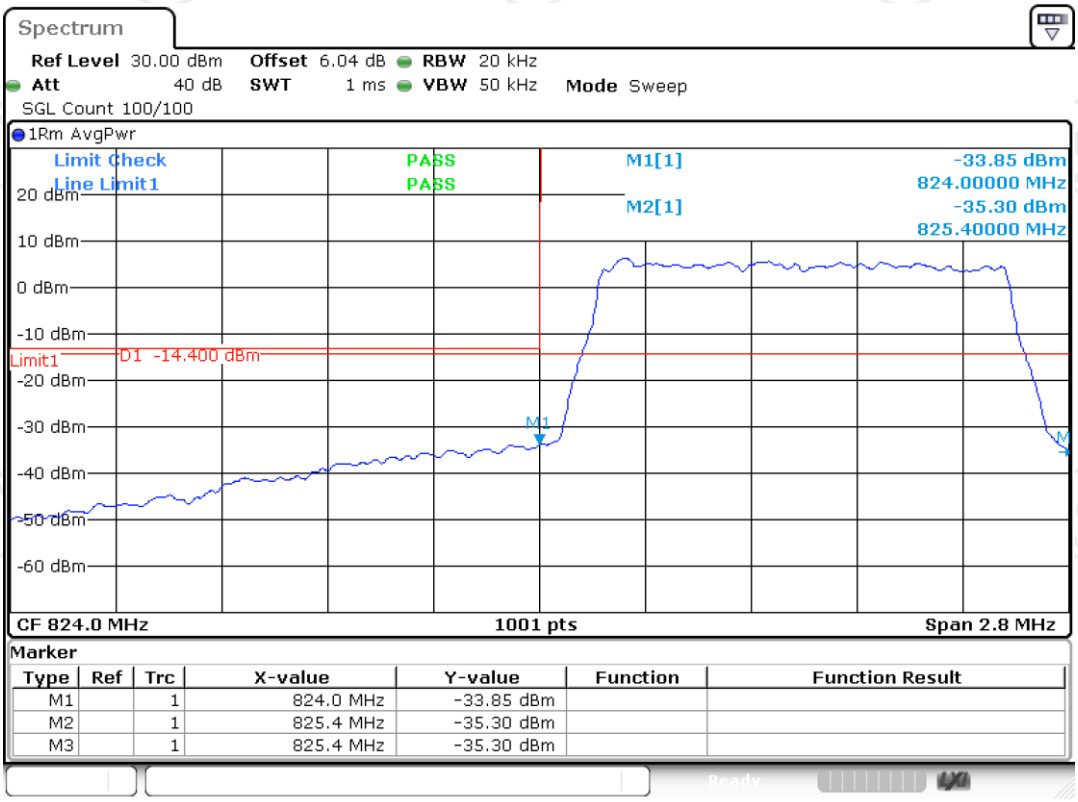
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.99347 MHz	15.64 dBm		
T1		1	839.503483 MHz	10.02 dBm	Occ Bw	8.972367588 MHz
T2		1	848.475851 MHz	9.68 dBm		
M2		1	839.058 MHz	-10.19 dBm		
M3		1	848.933 MHz	-10.38 dBm		

Date: 6.JUN.2023 11:41:35

5 Band edge

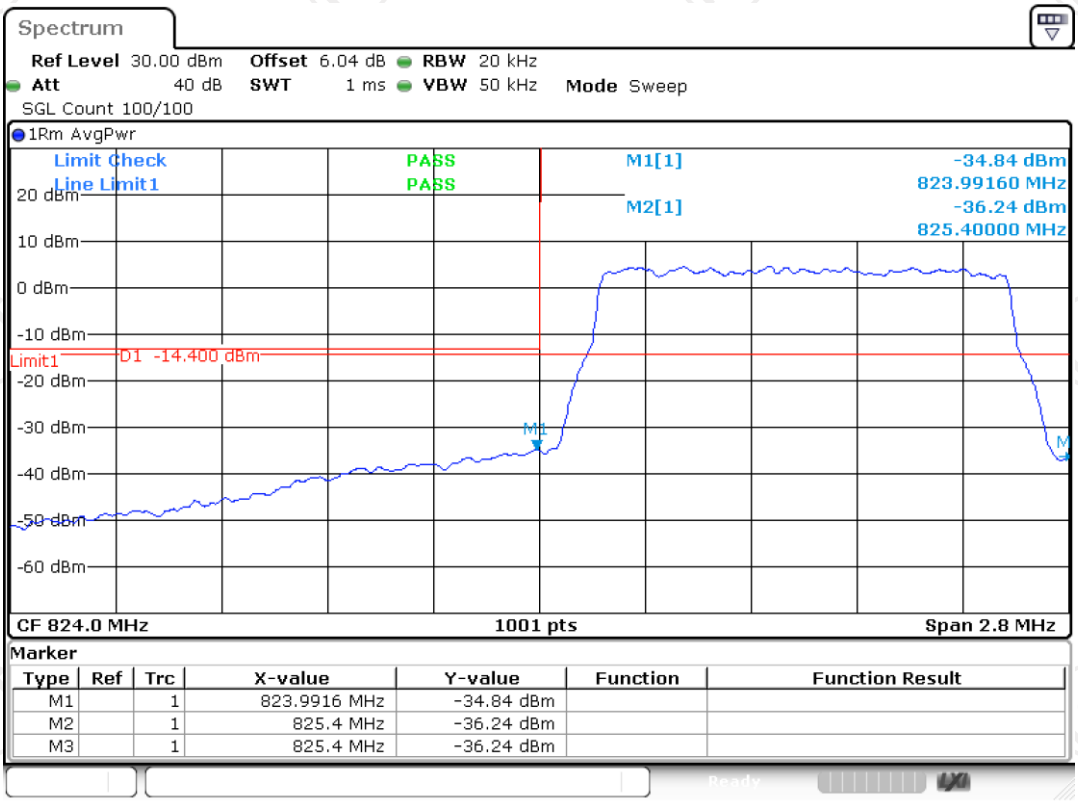
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	824.00	-33.85	-13	PASS
Band5	1.4	20407	6	#0	16QAM	823.99	-34.84	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.00	-37.44	-13	PASS
Band5	1.4	20643	6	#0	16QAM	849.02	-38.91	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-25.18	-13	PASS
Band5	3	20415	15	#0	16QAM	824.00	-27.56	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-25.48	-13	PASS
Band5	3	20635	15	#0	16QAM	849.00	-26.90	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-30.66	-13	PASS
Band5	5	20425	25	#0	16QAM	824.00	-28.72	-13	PASS
Band5	5	20625	25	#0	QPSK	849.00	-32.58	-13	PASS
Band5	5	20625	25	#0	16QAM	849.00	-32.80	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-31.26	-13	PASS
Band5	10	20450	50	#0	16QAM	823.98	-33.23	-13	PASS
Band5	10	20600	50	#0	QPSK	849.00	-33.89	-13	PASS
Band5	10	20600	50	#0	16QAM	849.00	-34.32	-13	PASS

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



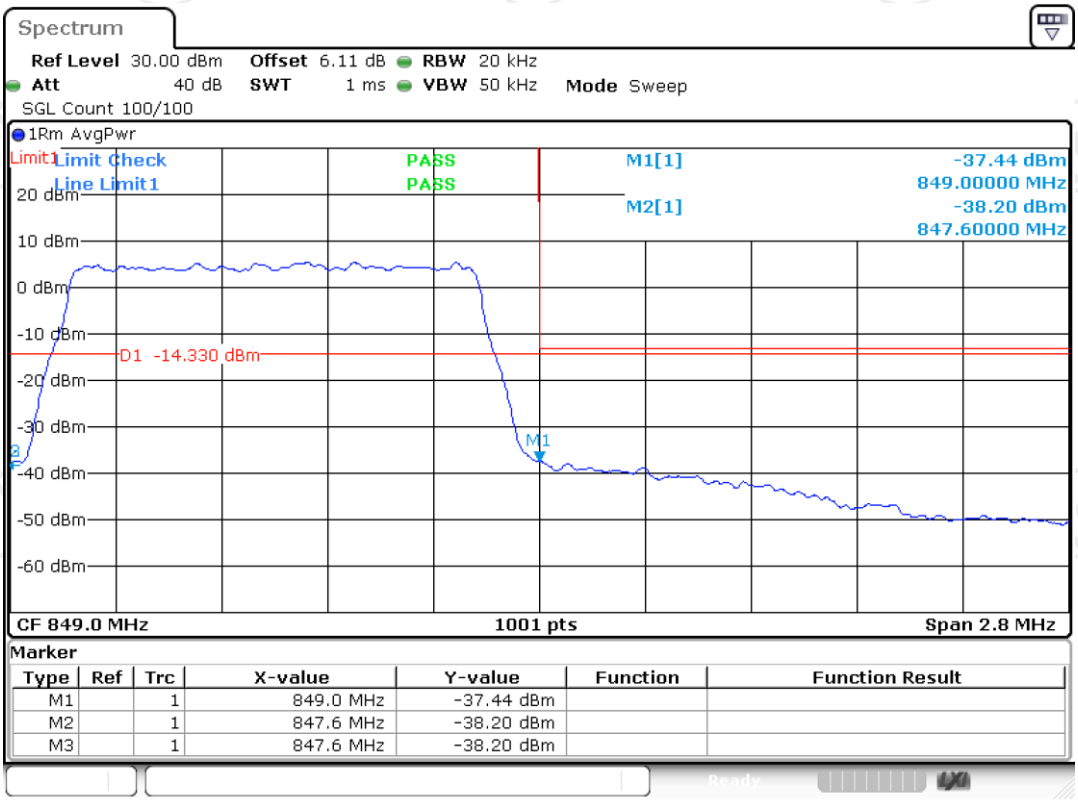
Date: 6.JUN.2023 11:41:42

Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



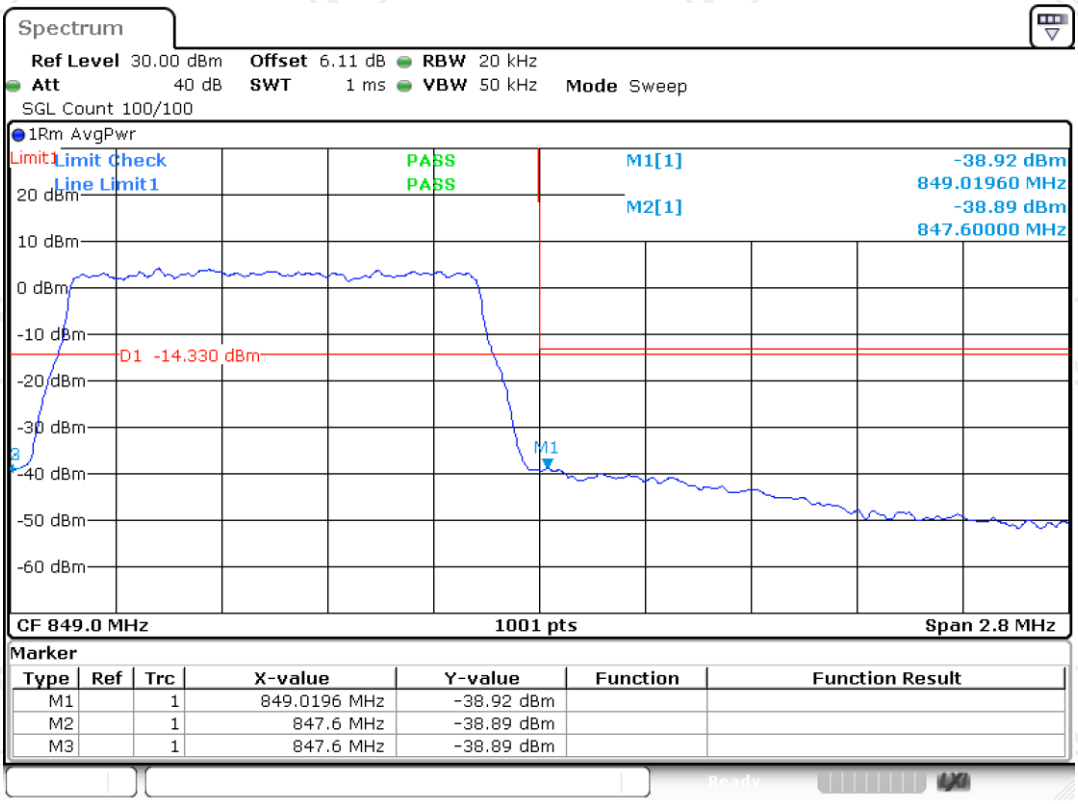
Date: 6.JUN.2023 11:41:47

Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



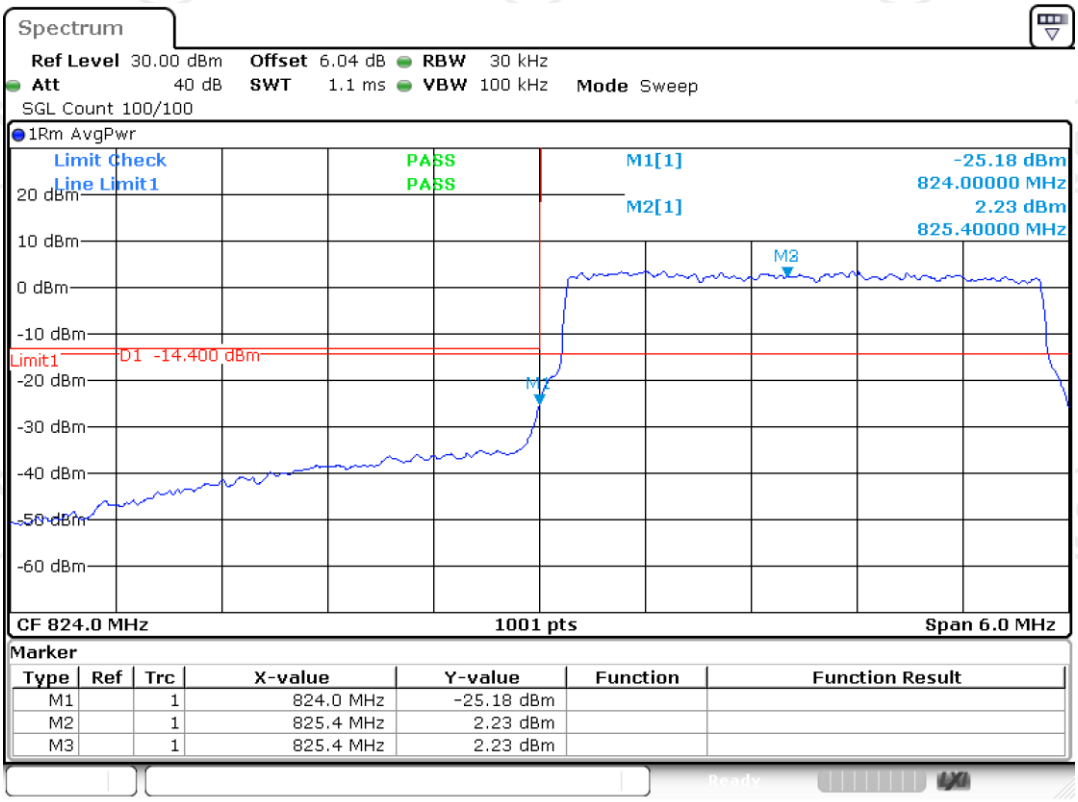
Date: 6.JUN.2023 11:41:52

Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



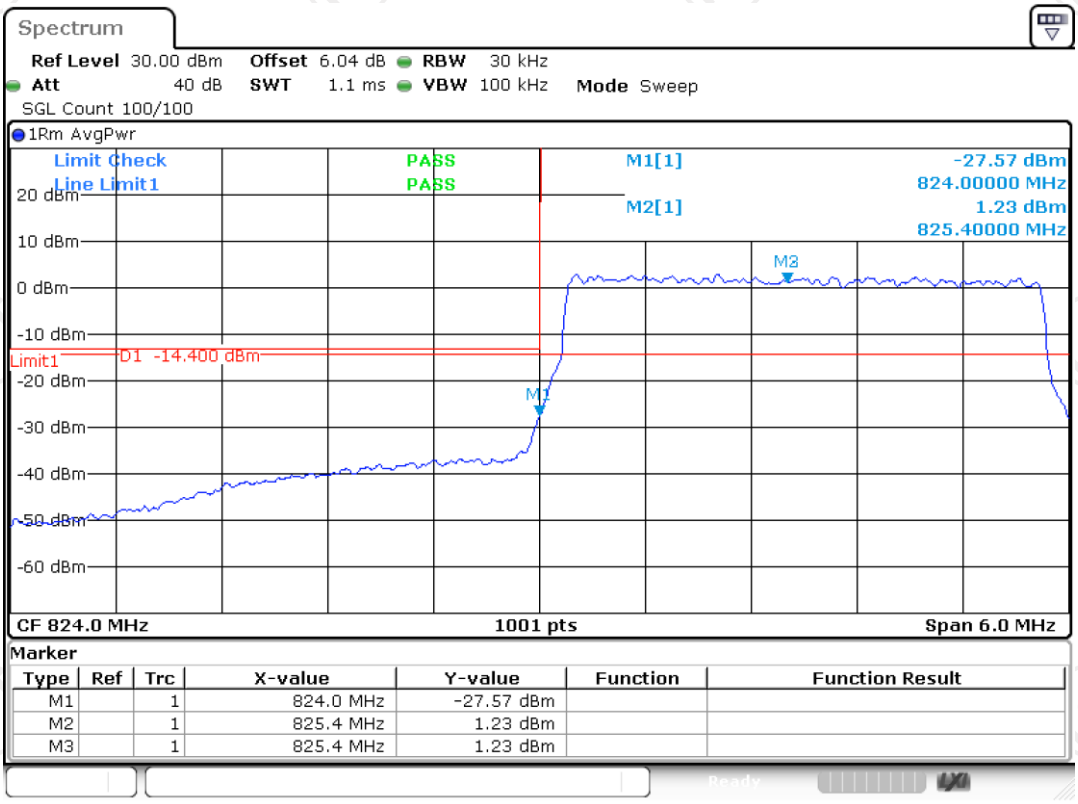
Date: 6.JUN.2023 11:41:57

Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



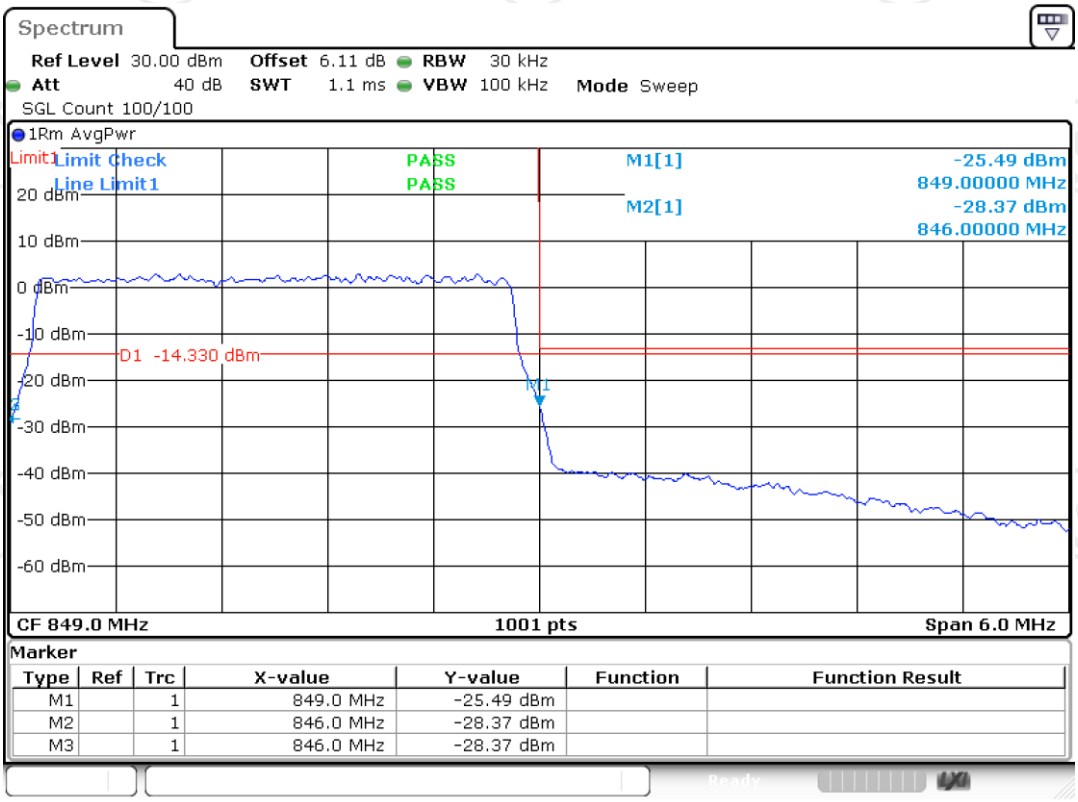
Date: 6.JUN.2023 11:42:02

Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



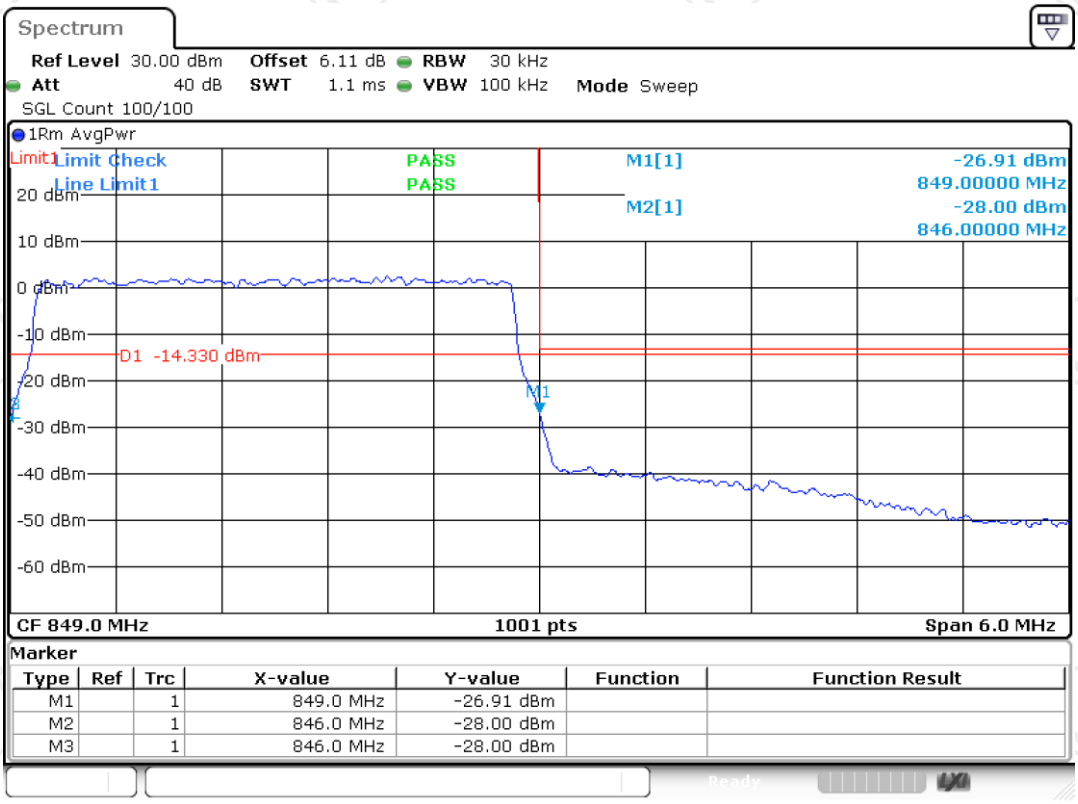
Date: 6.JUN.2023 11:42:07

Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



Date: 6.JUN.2023 11:42:12

Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



Date: 6.JUN.2023 11:42:17