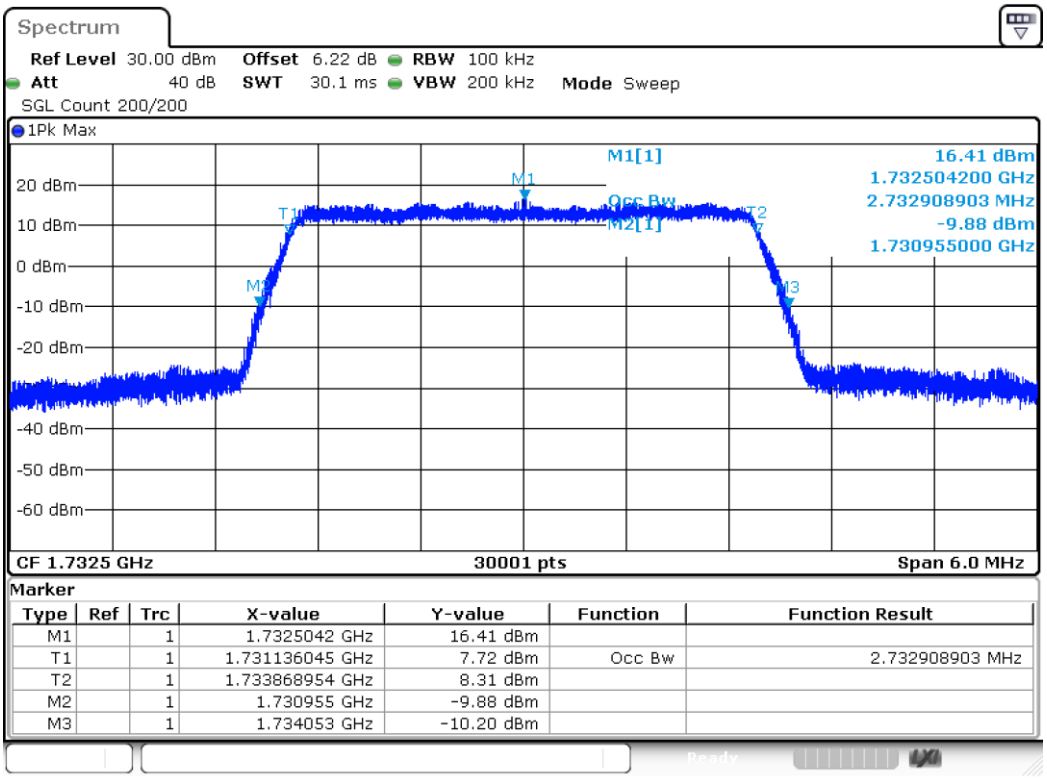
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

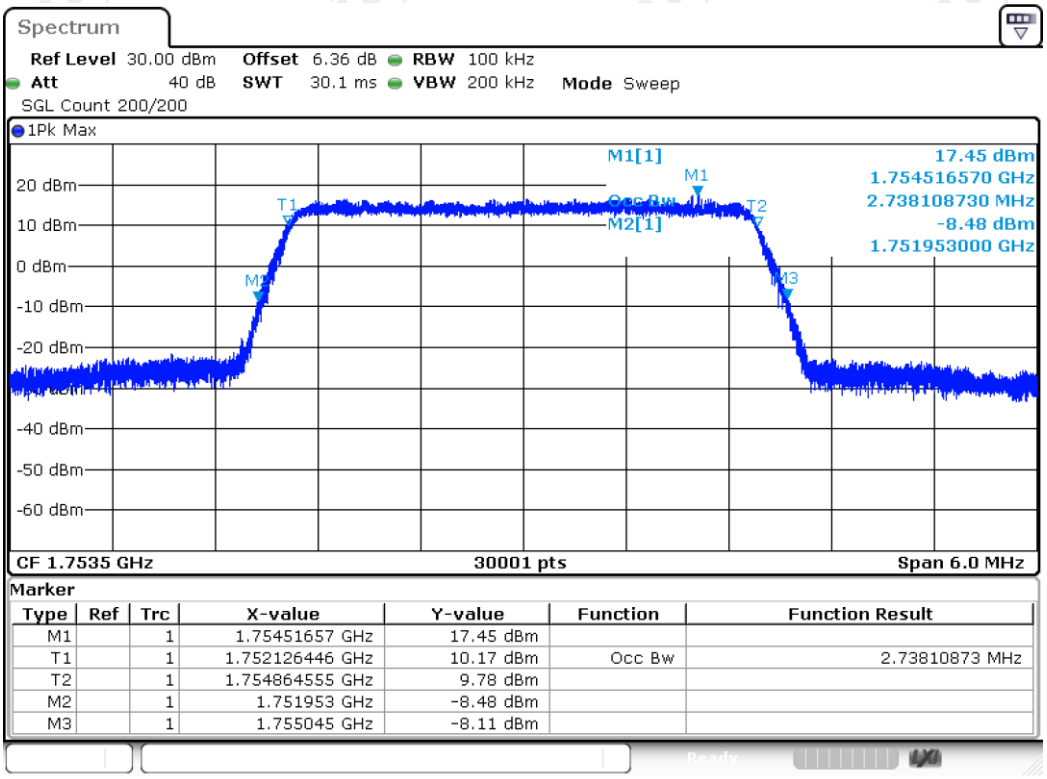


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7325042 GHz	16.41 dBm		
T1		1	1.731136045 GHz	7.72 dBm	Occ Bw	2.732908903 MHz
T2		1	1.733868954 GHz	8.31 dBm		
M2		1	1.730955 GHz	-9.88 dBm		
M3		1	1.734053 GHz	-10.20 dBm		

Date: 17.AUG.2023 17:12:19

Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

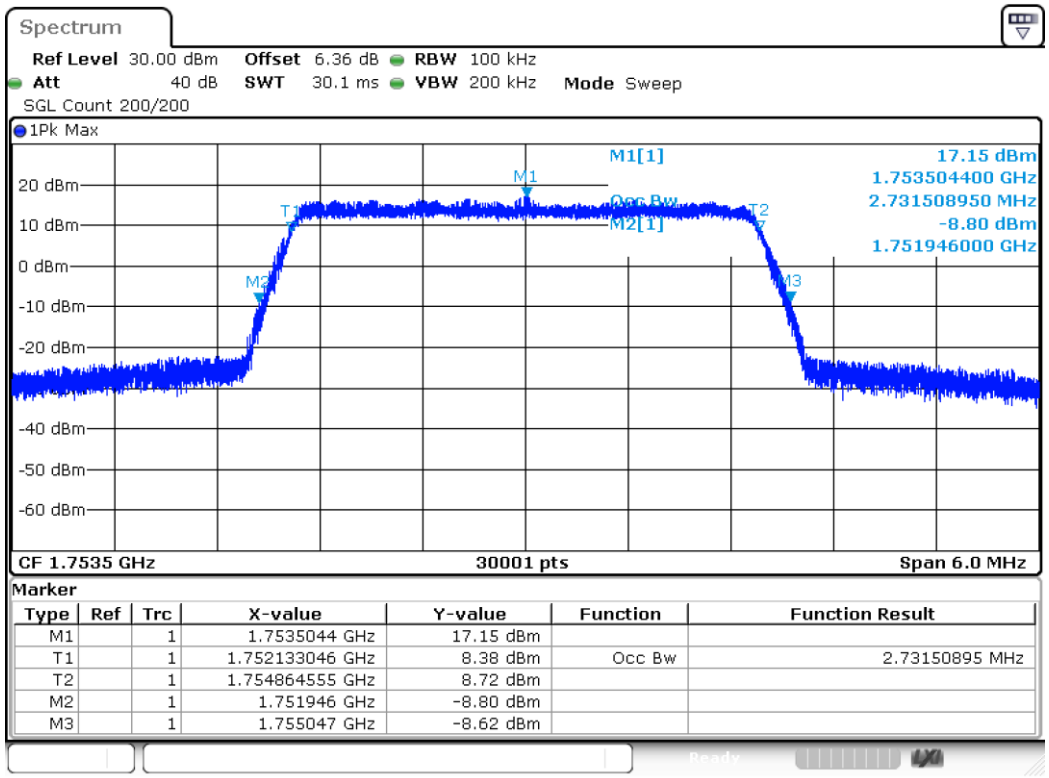


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75451657 GHz	17.45 dBm		
T1		1	1.752126446 GHz	10.17 dBm	Occ Bw	2.73810873 MHz
T2		1	1.754864555 GHz	9.78 dBm		
M2		1	1.751953 GHz	-8.48 dBm		
M3		1	1.755045 GHz	-8.11 dBm		

Date: 17.AUG.2023 17:12:42

Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

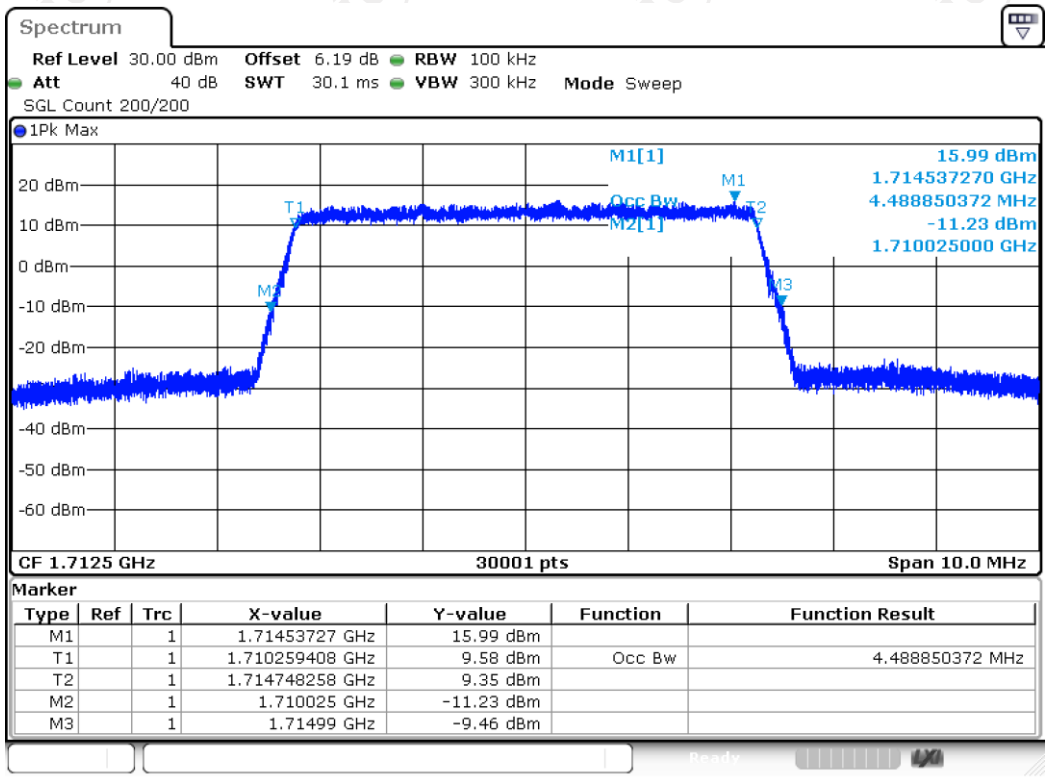


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7535044 GHz	17.15 dBm		
T1		1	1.752133046 GHz	8.38 dBm	Occ Bw	2.73150895 MHz
T2		1	1.754864555 GHz	8.72 dBm		
M2		1	1.751946 GHz	-8.80 dBm		
M3		1	1.755047 GHz	-8.62 dBm		

Date: 17.AUG.2023 17:13:00

Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

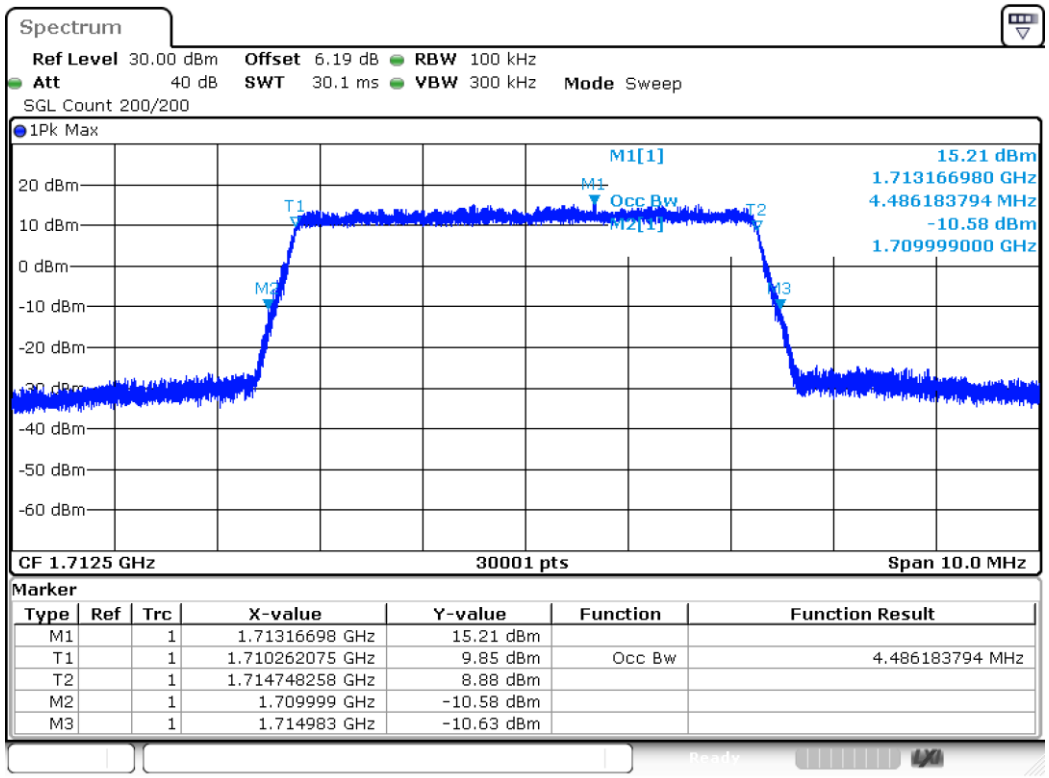


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71453727 GHz	15.99 dBm		
T1		1	1.710259408 GHz	9.58 dBm	Occ Bw	4.488850372 MHz
T2		1	1.714748258 GHz	9.35 dBm		
M2		1	1.710025 GHz	-11.23 dBm		
M3		1	1.71499 GHz	-9.46 dBm		

Date: 17.AUG.2023 17:13:18

Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

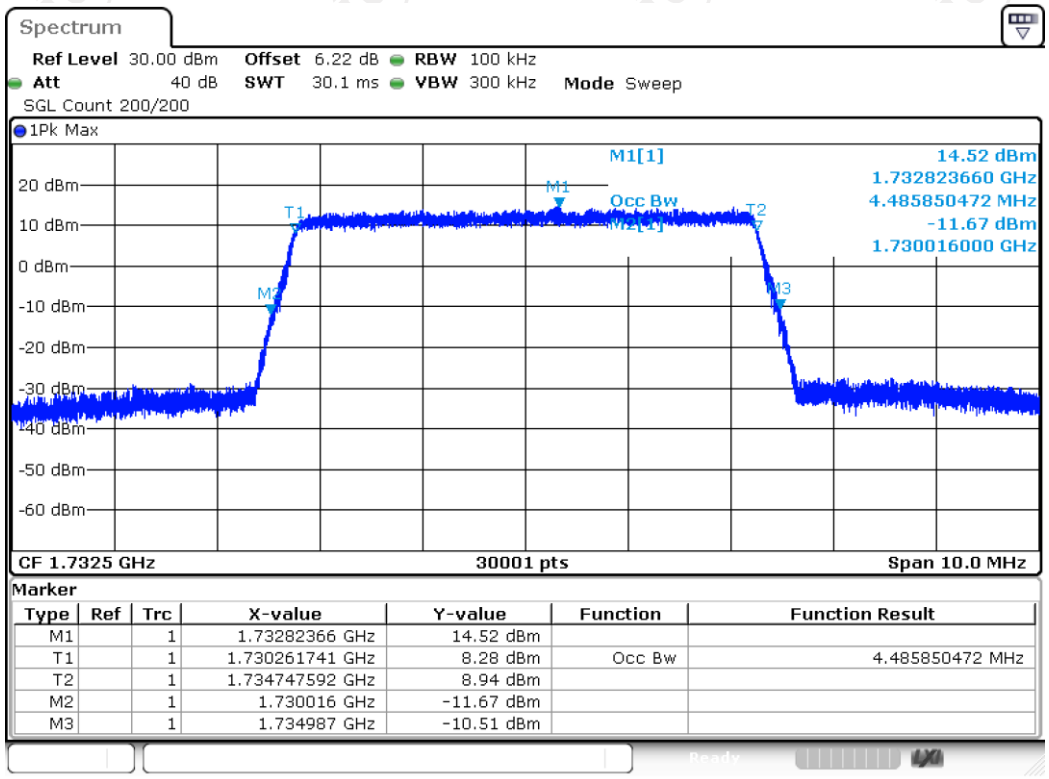


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71316698 GHz	15.21 dBm		
T1		1	1.710262075 GHz	9.85 dBm	Occ Bw	4.486183794 MHz
T2		1	1.714748258 GHz	8.88 dBm		
M2		1	1.709999 GHz	-10.58 dBm		
M3		1	1.714983 GHz	-10.63 dBm		

Date: 17.AUG.2023 17:13:35

Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

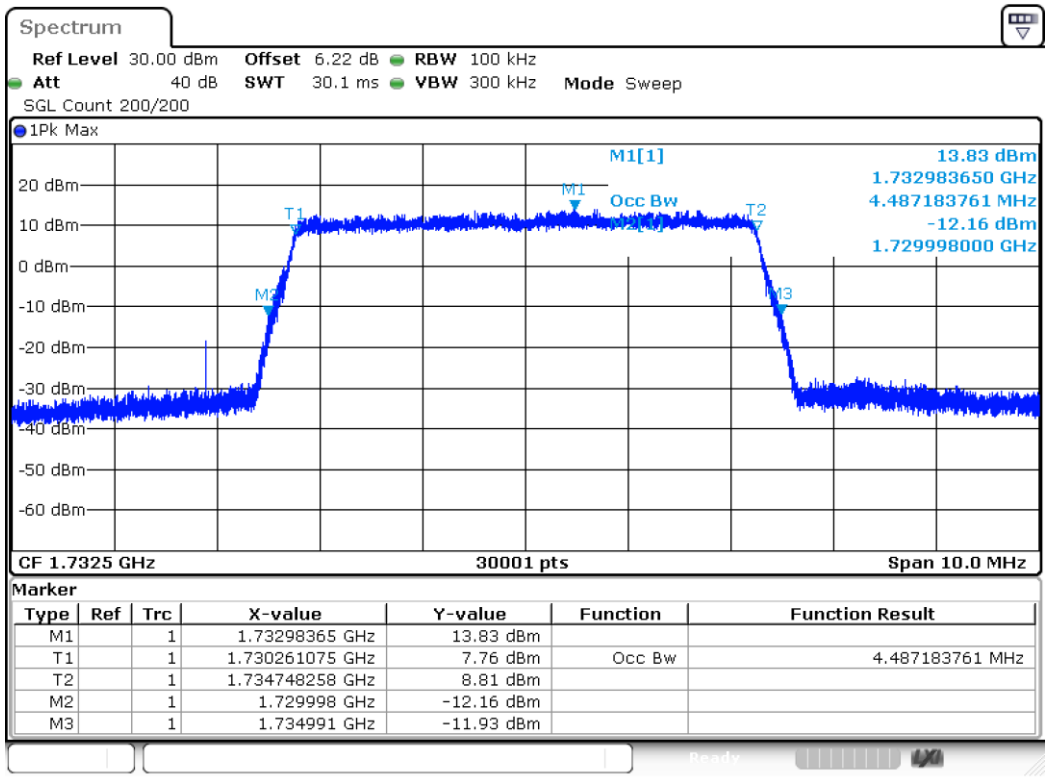


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73282366 GHz	14.52 dBm		
T1		1	1.730261741 GHz	8.28 dBm	Occ Bw	4.485850472 MHz
T2		1	1.734747592 GHz	8.94 dBm		
M2		1	1.730016 GHz	-11.67 dBm		
M3		1	1.734987 GHz	-10.51 dBm		

Date: 17.AUG.2023 17:13:54

Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

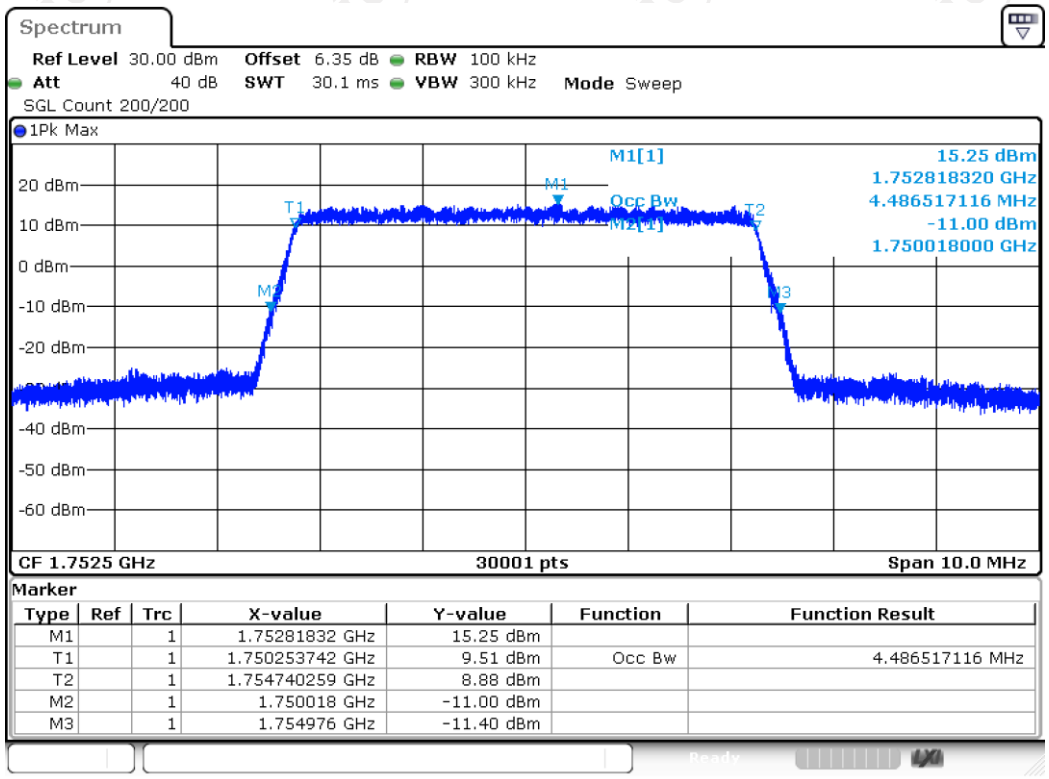


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73298365 GHz	13.83 dBm		
T1		1	1.730261075 GHz	7.76 dBm	Occ Bw	4.487183761 MHz
T2		1	1.734748258 GHz	8.81 dBm		
M2		1	1.729998 GHz	-12.16 dBm		
M3		1	1.734991 GHz	-11.93 dBm		

Date: 17.AUG.2023 17:14:11

Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

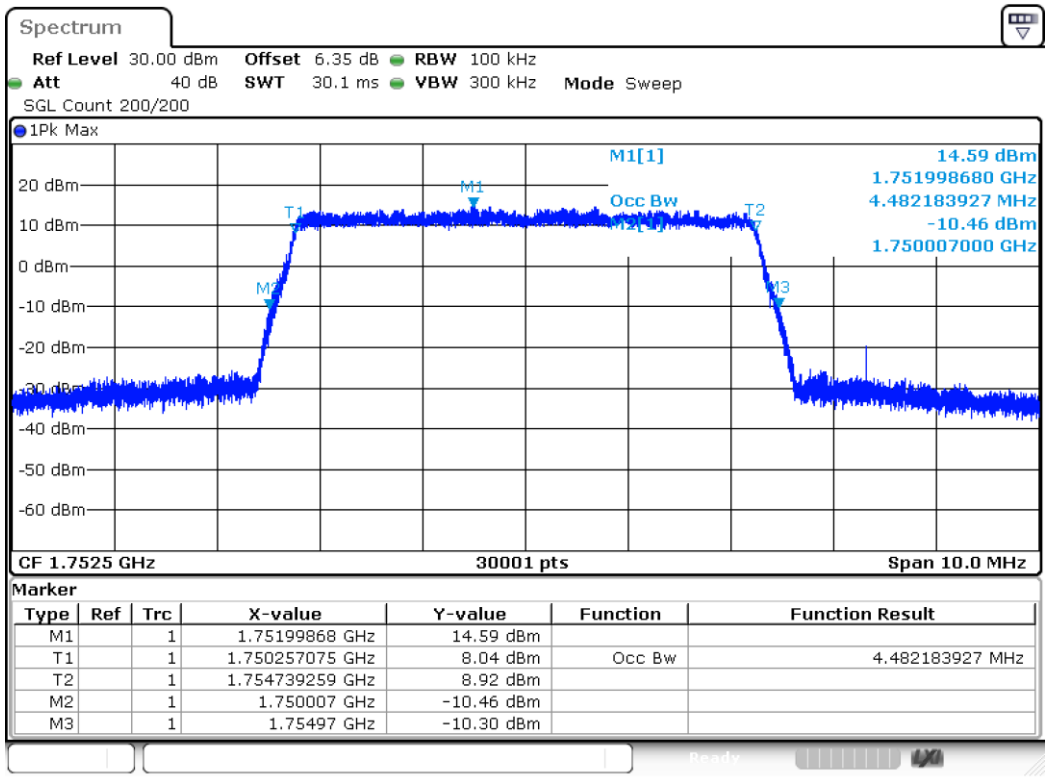


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75281832 GHz	15.25 dBm		
T1		1	1.750253742 GHz	9.51 dBm	Occ Bw	4.486517116 MHz
T2		1	1.754740259 GHz	8.88 dBm		
M2		1	1.750018 GHz	-11.00 dBm		
M3		1	1.754976 GHz	-11.40 dBm		

Date: 17.AUG.2023 17:14:29

Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

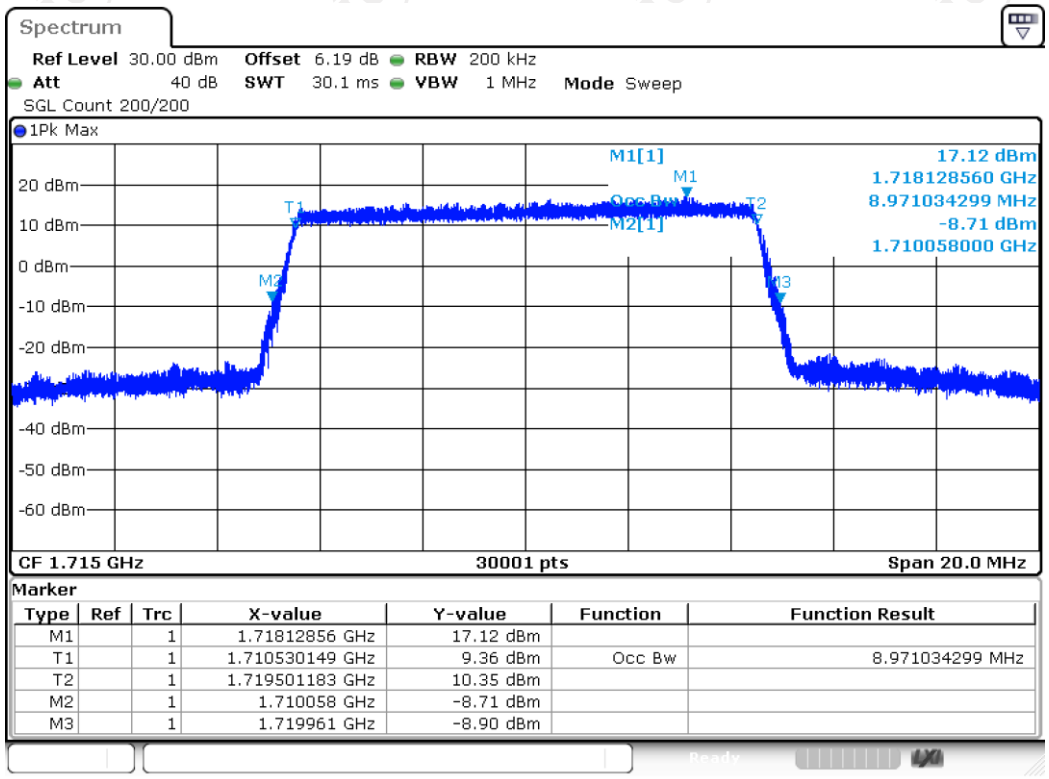


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75199868 GHz	14.59 dBm		
T1		1	1.750257075 GHz	8.04 dBm	Occ Bw	4.482183927 MHz
T2		1	1.754739259 GHz	8.92 dBm		
M2		1	1.750007 GHz	-10.46 dBm		
M3		1	1.75497 GHz	-10.30 dBm		

Date: 17.AUG.2023 17:14:46

Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71812856 GHz	17.12 dBm		
T1		1	1.710530149 GHz	9.36 dBm	Occ Bw	8.971034299 MHz
T2		1	1.719501183 GHz	10.35 dBm		
M2		1	1.710058 GHz	-8.71 dBm		
M3		1	1.719961 GHz	-8.90 dBm		

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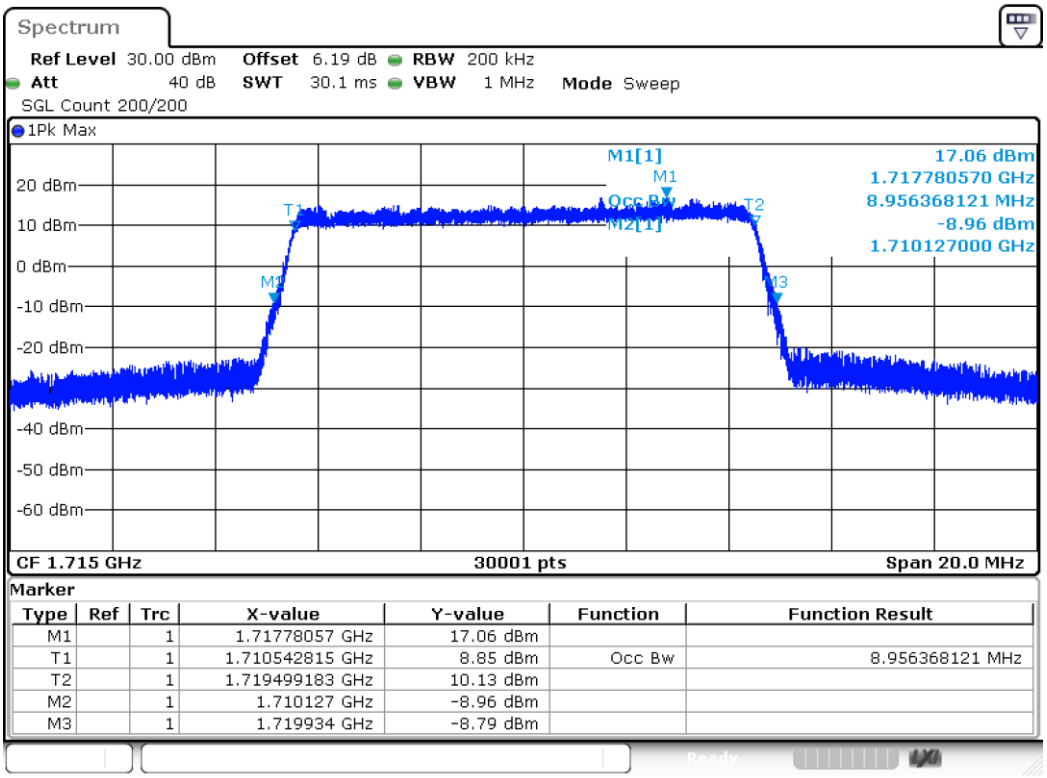
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71778057 GHz	17.06 dBm		
T1		1	1.710542815 GHz	8.85 dBm	Occ Bw	8.956368121 MHz
T2		1	1.719499183 GHz	10.13 dBm		
M2		1	1.710127 GHz	-8.96 dBm		
M3		1	1.719934 GHz	-8.79 dBm		

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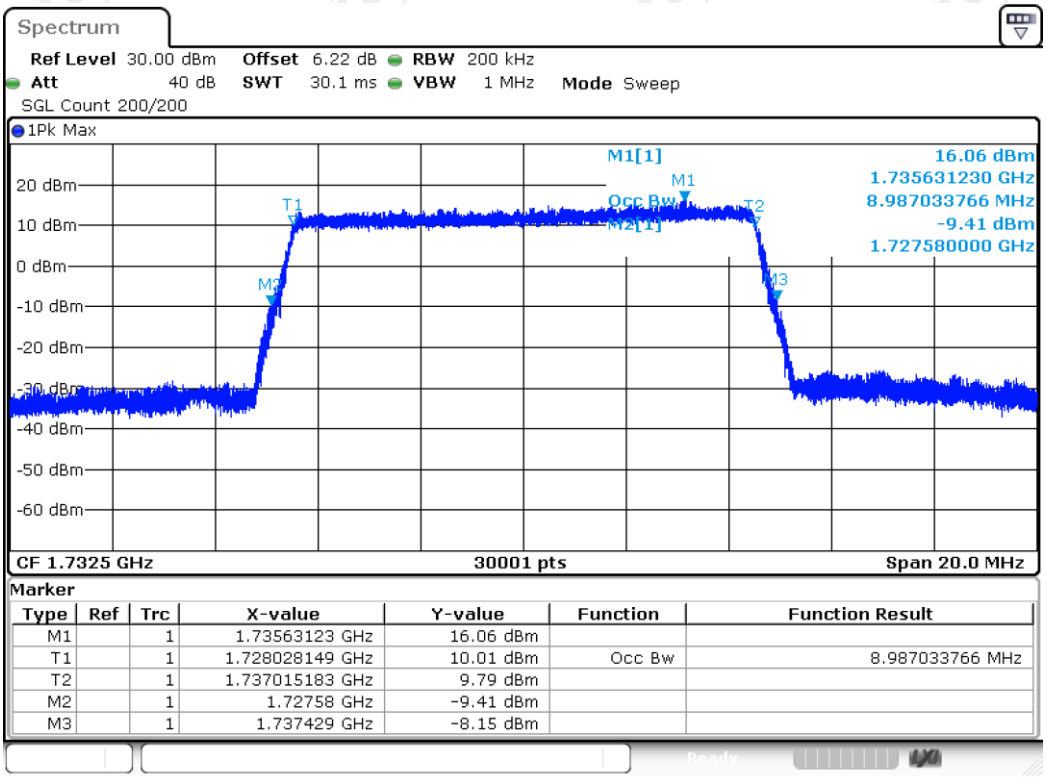
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

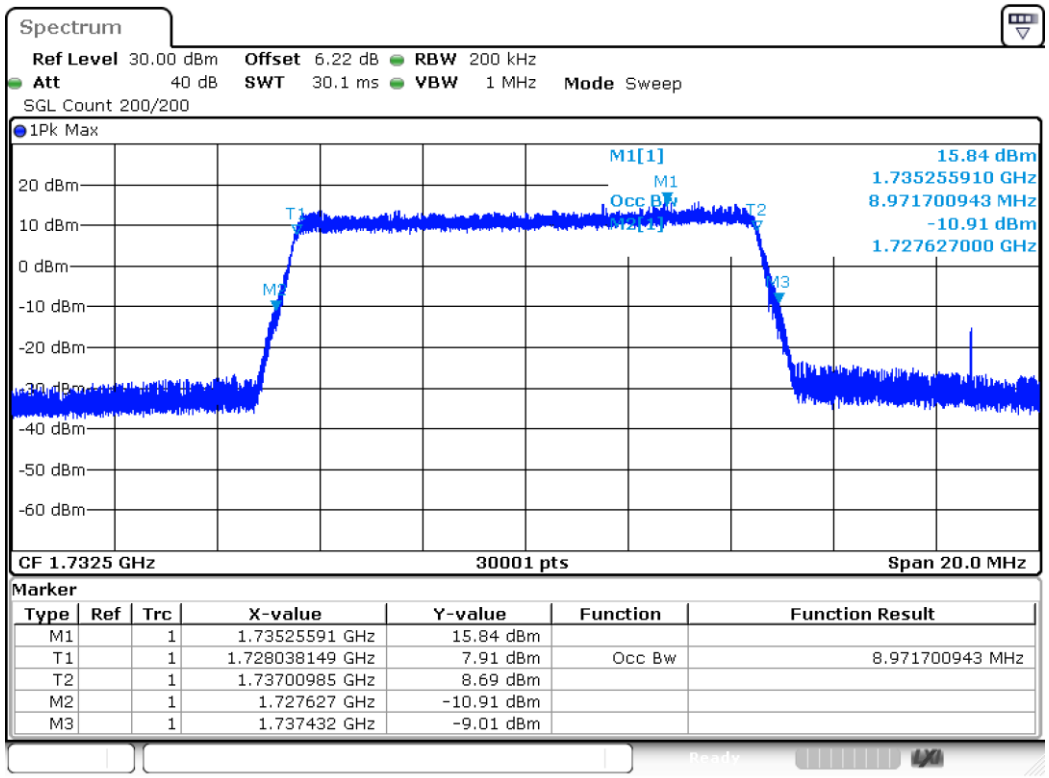


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73563123 GHz	16.06 dBm		
T1		1	1.728028149 GHz	10.01 dBm	Occ Bw	8.987033766 MHz
T2		1	1.737015183 GHz	9.79 dBm		
M2		1	1.72758 GHz	-9.41 dBm		
M3		1	1.737429 GHz	-8.15 dBm		

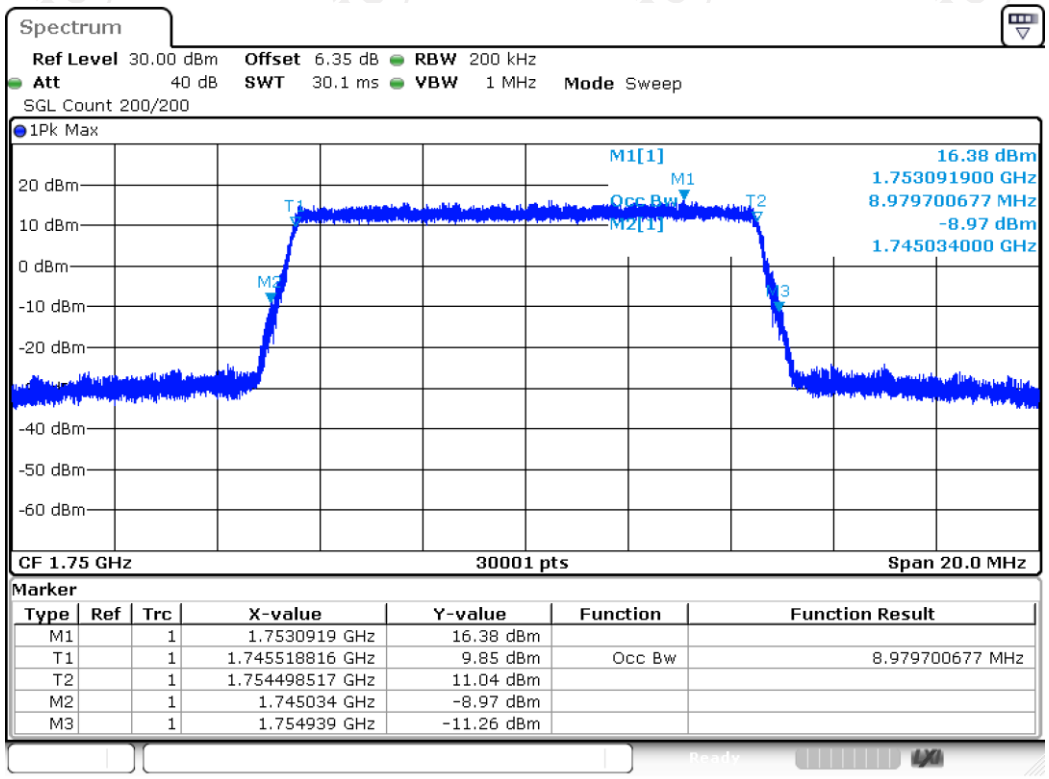
Date: 17.AUG.2023 17:15:42

Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



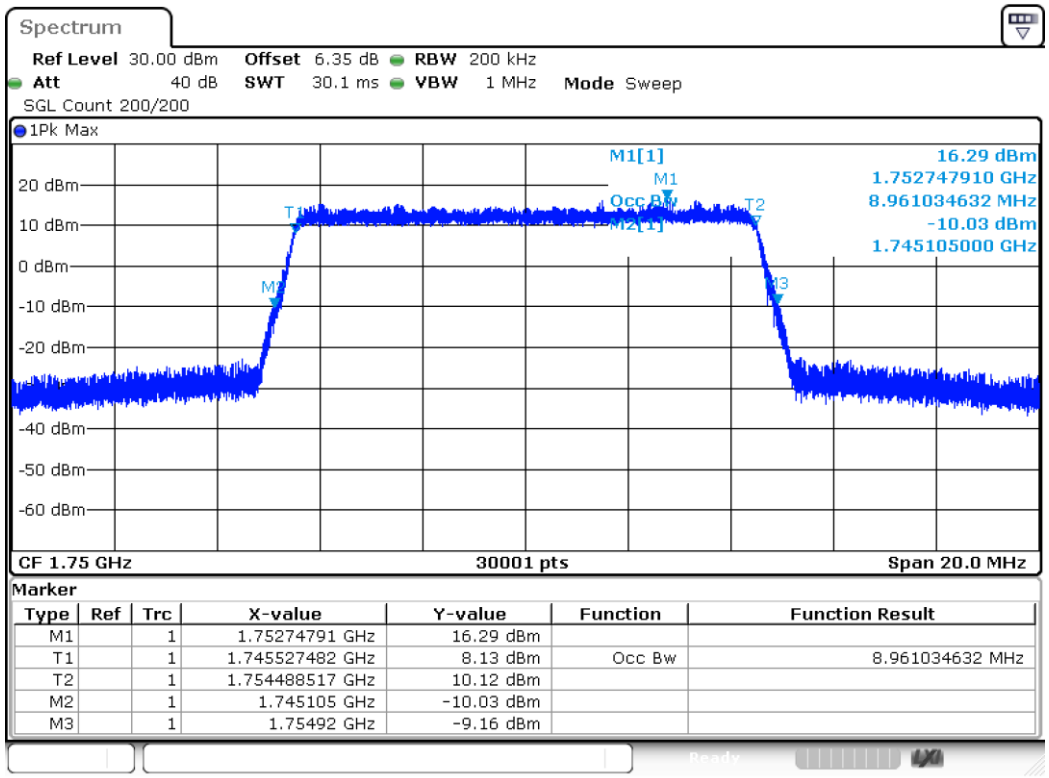
Date: 17.AUG.2023 17:16:02

Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



Date: 17.AUG.2023 17:16:20

Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

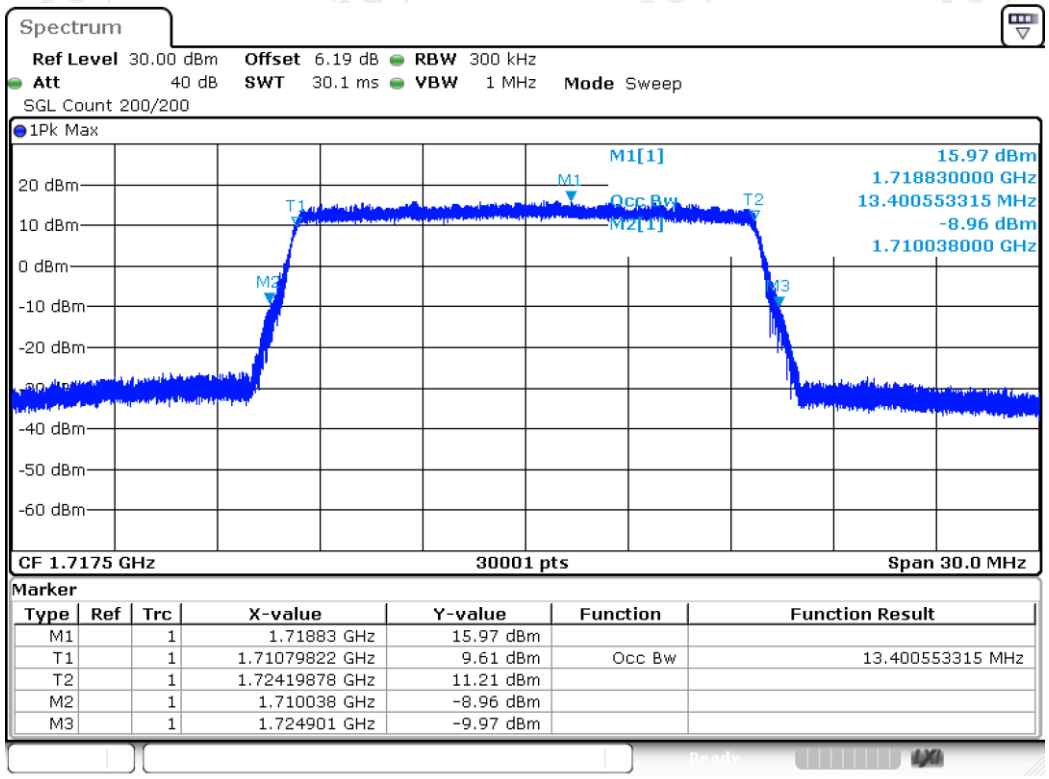


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75274791 GHz	16.29 dBm		
T1		1	1.745527482 GHz	8.13 dBm	Occ Bw	8.961034632 MHz
T2		1	1.754488517 GHz	10.12 dBm		
M2		1	1.745105 GHz	-10.03 dBm		
M3		1	1.75492 GHz	-9.16 dBm		

Date: 17.AUG.2023 17:16:38

Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

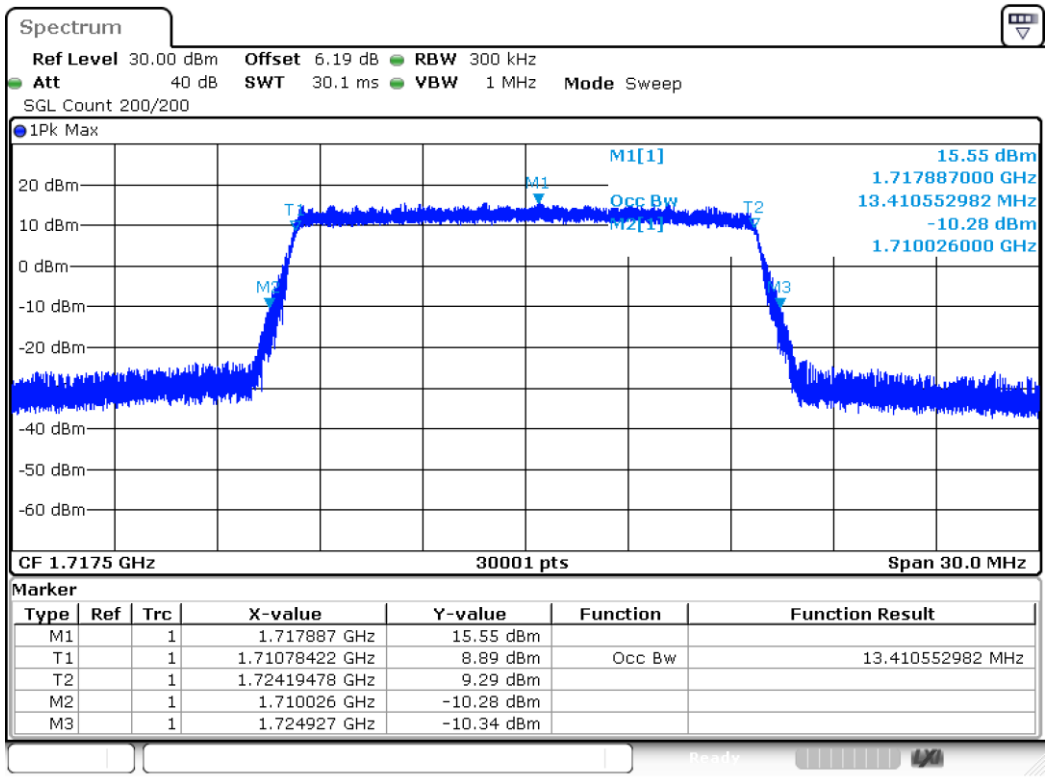


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71883 GHz	15.97 dBm		
T1		1	1.71079822 GHz	9.61 dBm	Occ Bw	13.400553315 MHz
T2		1	1.72419878 GHz	11.21 dBm		
M2		1	1.710038 GHz	-8.96 dBm		
M3		1	1.724901 GHz	-9.97 dBm		

Date: 17.AUG.2023 17:16:55

Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0

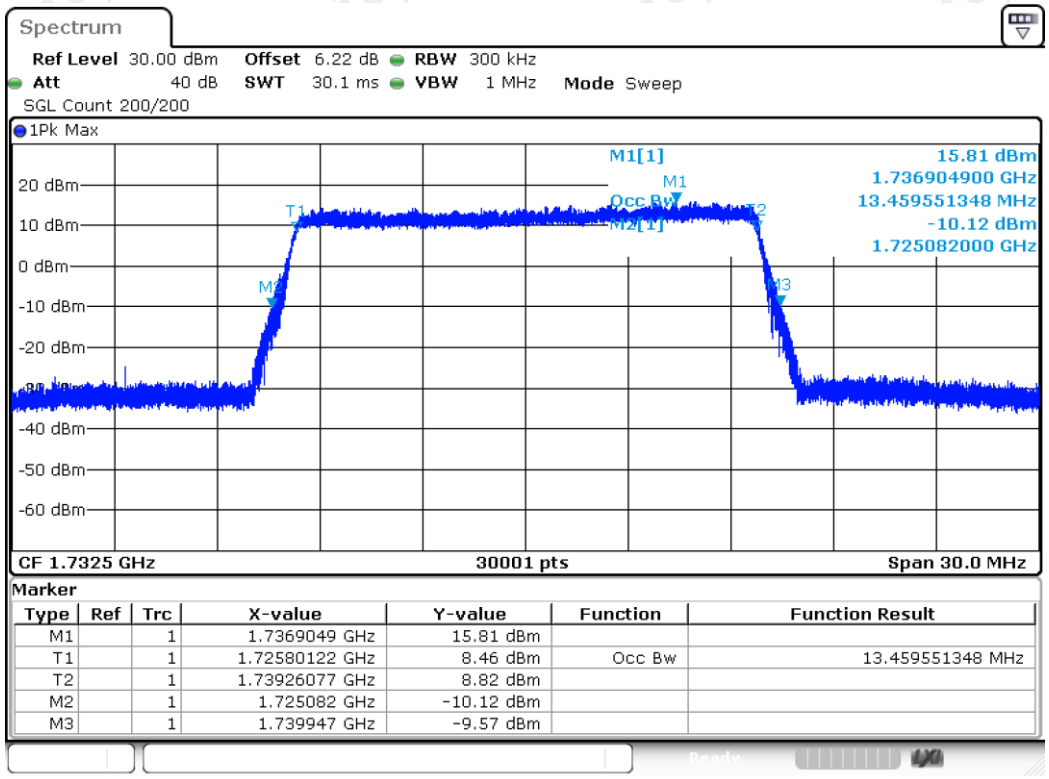


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.717887 GHz	15.55 dBm		
T1		1	1.71078422 GHz	8.89 dBm	Occ Bw	13.410552982 MHz
T2		1	1.72419478 GHz	9.29 dBm		
M2		1	1.710026 GHz	-10.28 dBm		
M3		1	1.724927 GHz	-10.34 dBm		

Date: 17.AUG.2023 17:17:12

Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



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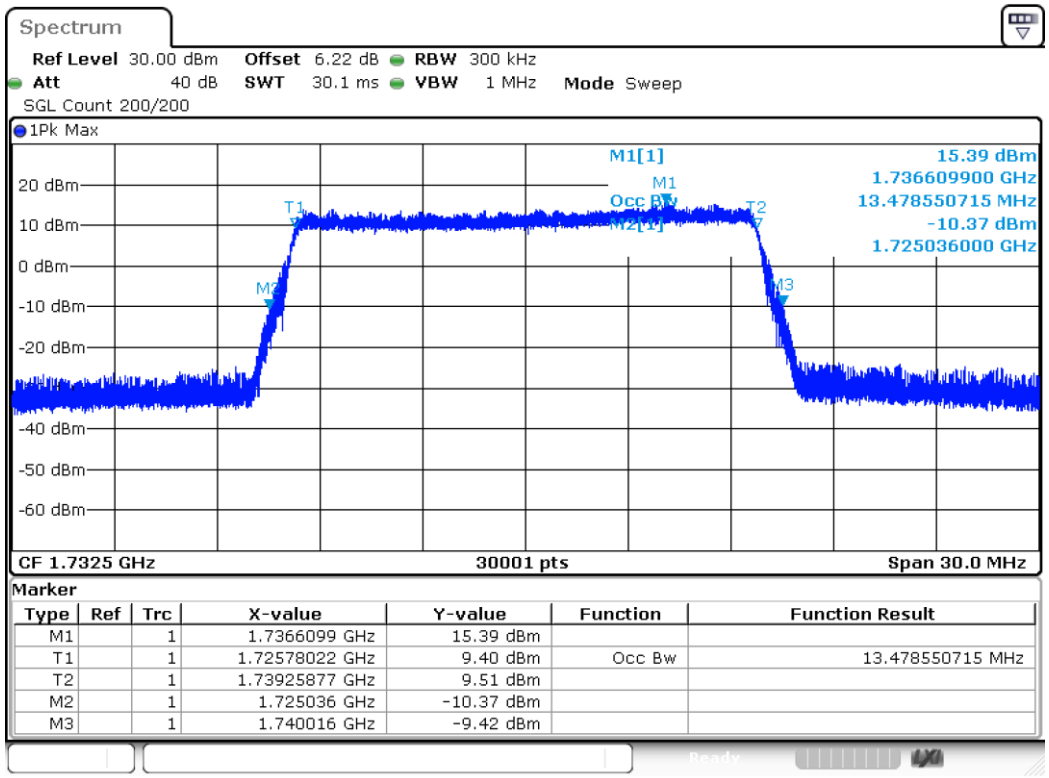
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7369049 GHz	15.81 dBm		
T1		1	1.72580122 GHz	8.46 dBm	Occ Bw	13.459551348 MHz
T2		1	1.73926077 GHz	8.82 dBm		
M2		1	1.725082 GHz	-10.12 dBm		
M3		1	1.739947 GHz	-9.57 dBm		

Date: 17.AUG.2023 17:17:29

Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7366099 GHz	15.39 dBm		
T1		1	1.72578022 GHz	9.40 dBm	Occ Bw	13.478550715 MHz
T2		1	1.73925877 GHz	9.51 dBm		
M2		1	1.725036 GHz	-10.37 dBm		
M3		1	1.740016 GHz	-9.42 dBm		

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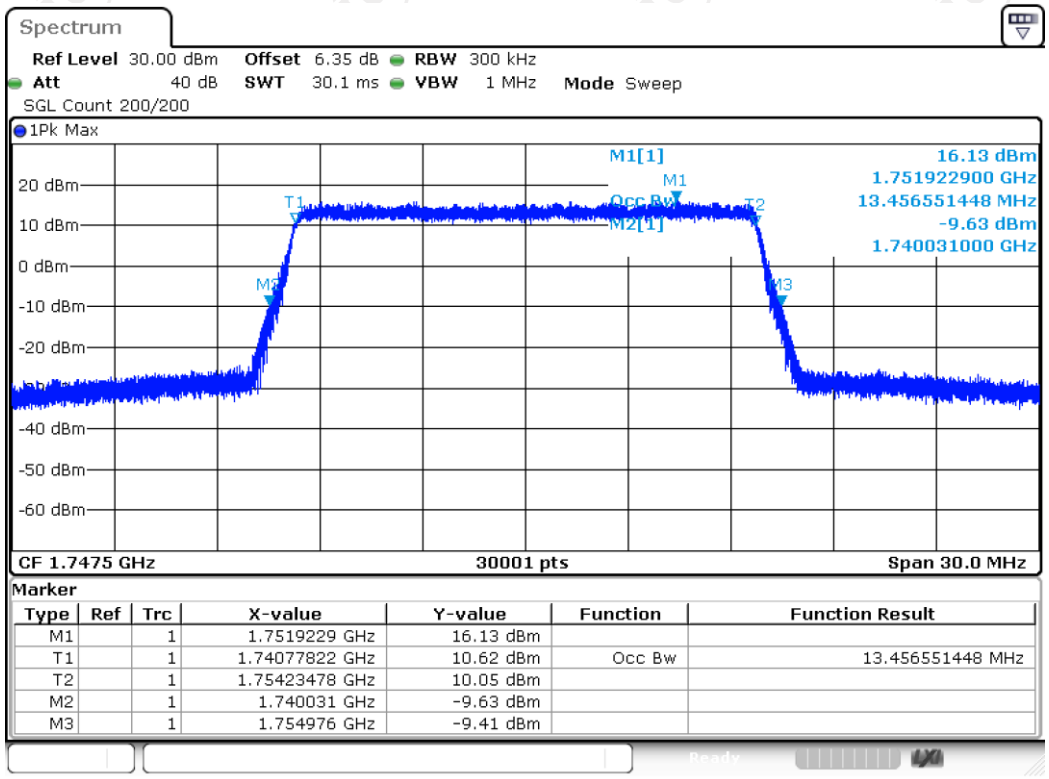
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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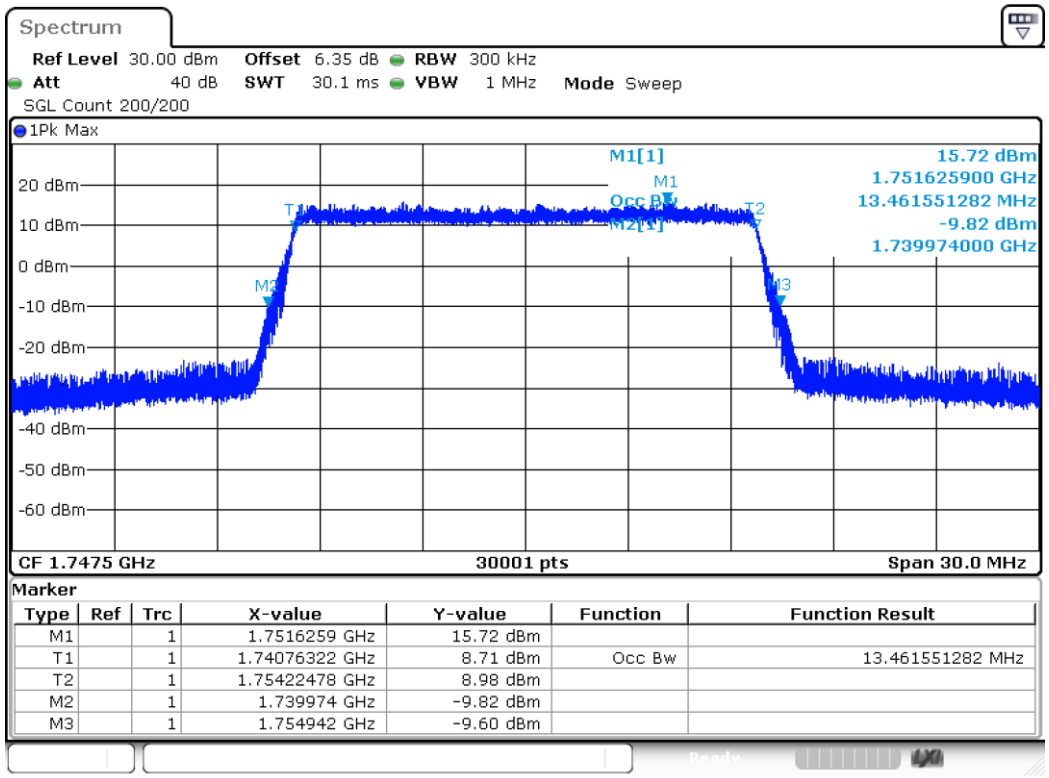
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7519229 GHz	16.13 dBm		
T1		1	1.74077822 GHz	10.62 dBm	Occ Bw	13.456551448 MHz
T2		1	1.75423478 GHz	10.05 dBm		
M2		1	1.740031 GHz	-9.63 dBm		
M3		1	1.754976 GHz	-9.41 dBm		

Date: 17.AUG.2023 17:18:07

Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



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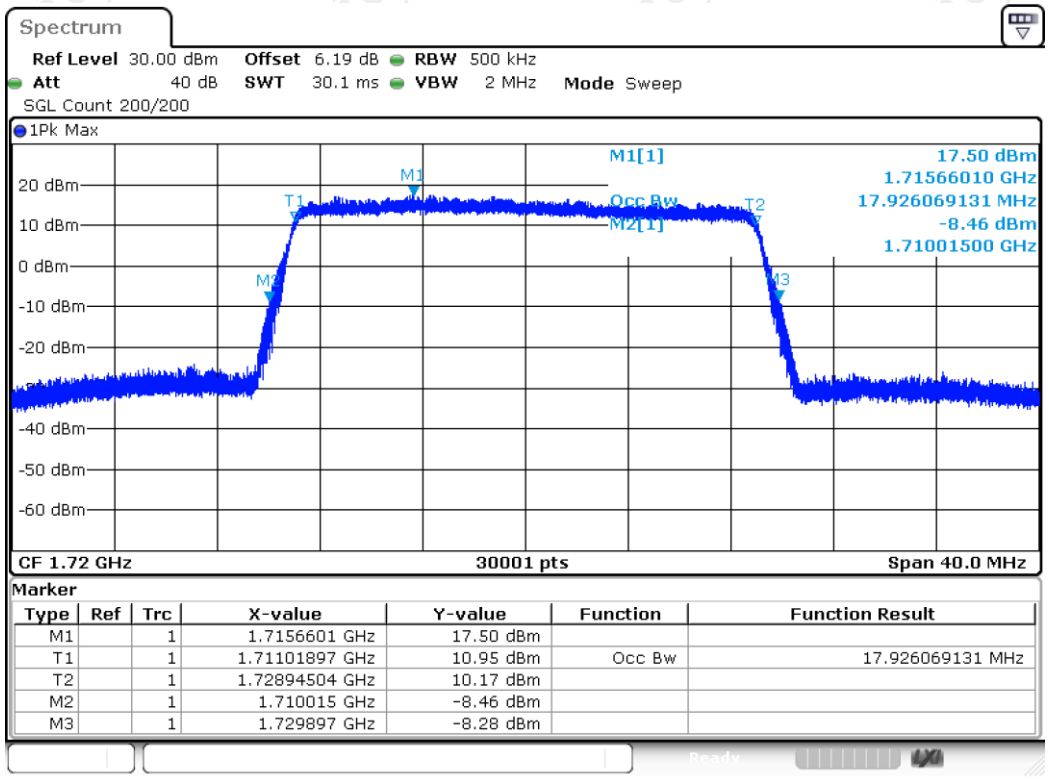
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7516259 GHz	15.72 dBm		
T1		1	1.74076322 GHz	8.71 dBm	Occ Bw	13.461551282 MHz
T2		1	1.75422478 GHz	8.98 dBm		
M2		1	1.739974 GHz	-9.82 dBm		
M3		1	1.754942 GHz	-9.60 dBm		

Date: 17.AUG.2023 17:18:23

Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7156601 GHz	17.50 dBm		
T1		1	1.71101897 GHz	10.95 dBm	Occ Bw	17.926069131 MHz
T2		1	1.72894504 GHz	10.17 dBm		
M2		1	1.710015 GHz	-8.46 dBm		
M3		1	1.729897 GHz	-8.28 dBm		

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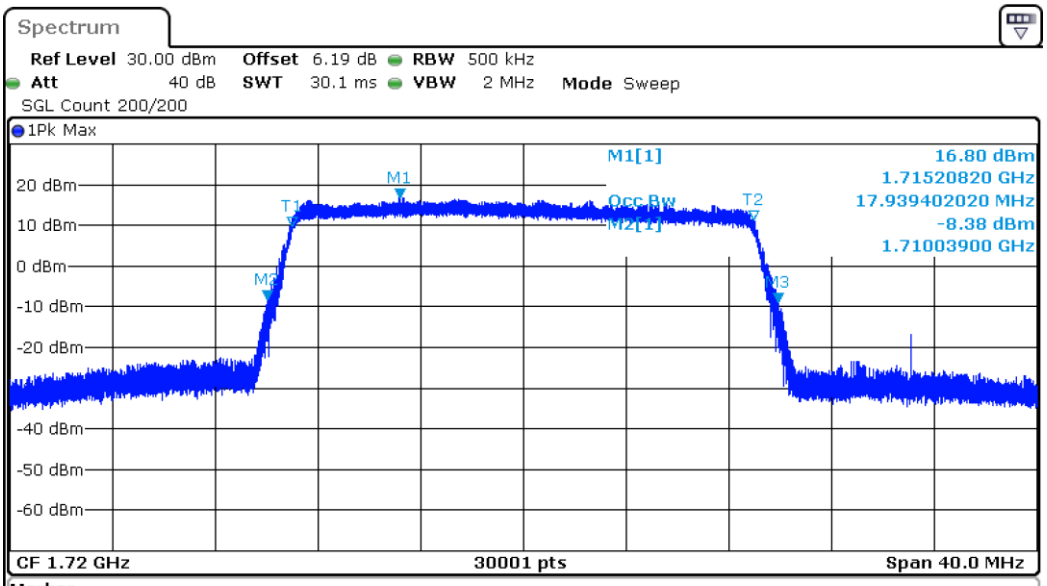
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

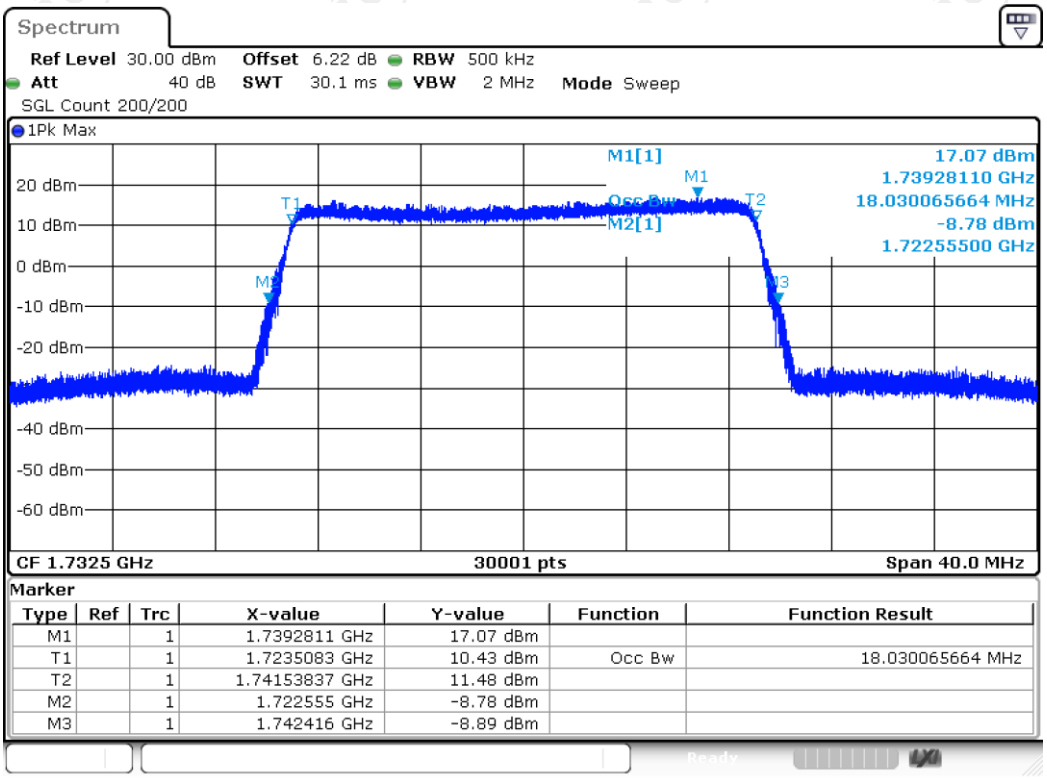


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7152082 GHz	16.80 dBm		
T1		1	1.7110043 GHz	9.90 dBm	Occ Bw	17.93940202 MHz
T2		1	1.7289437 GHz	11.43 dBm		
M2		1	1.710039 GHz	-8.38 dBm		
M3		1	1.729935 GHz	-8.82 dBm		

Date: 17.AUG.2023 17:18:58

Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7392811 GHz	17.07 dBm		
T1		1	1.7235083 GHz	10.43 dBm	Occ Bw	18.030065664 MHz
T2		1	1.74153837 GHz	11.48 dBm		
M2		1	1.722555 GHz	-8.78 dBm		
M3		1	1.742416 GHz	-8.89 dBm		

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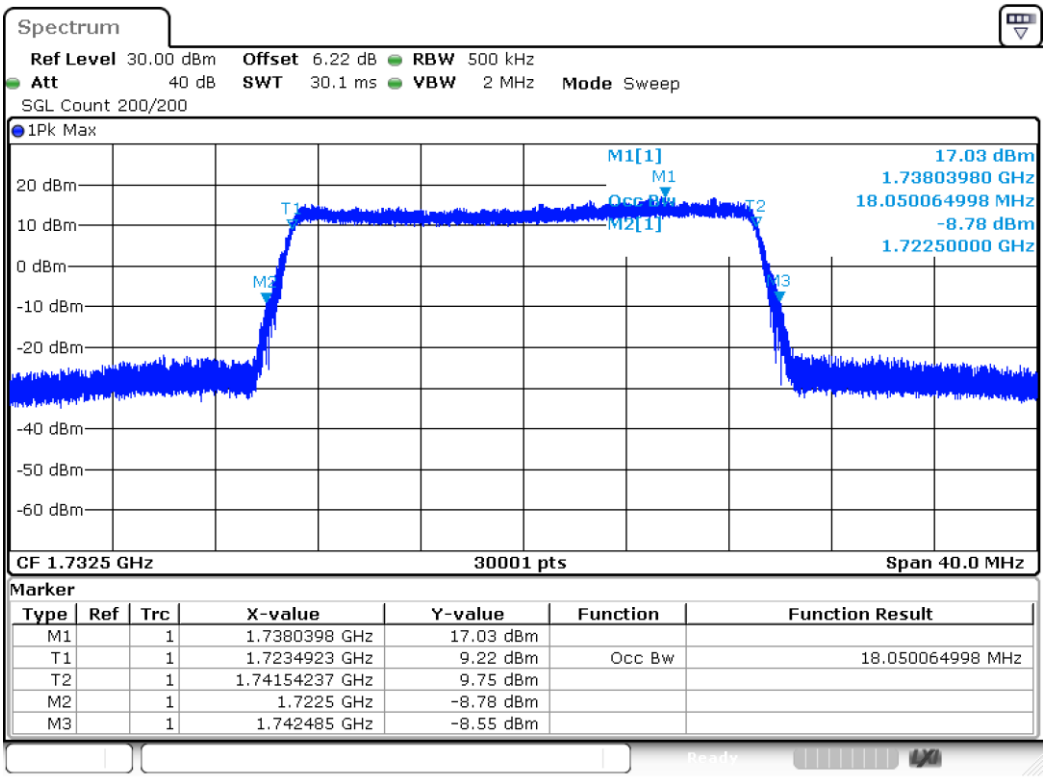
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0

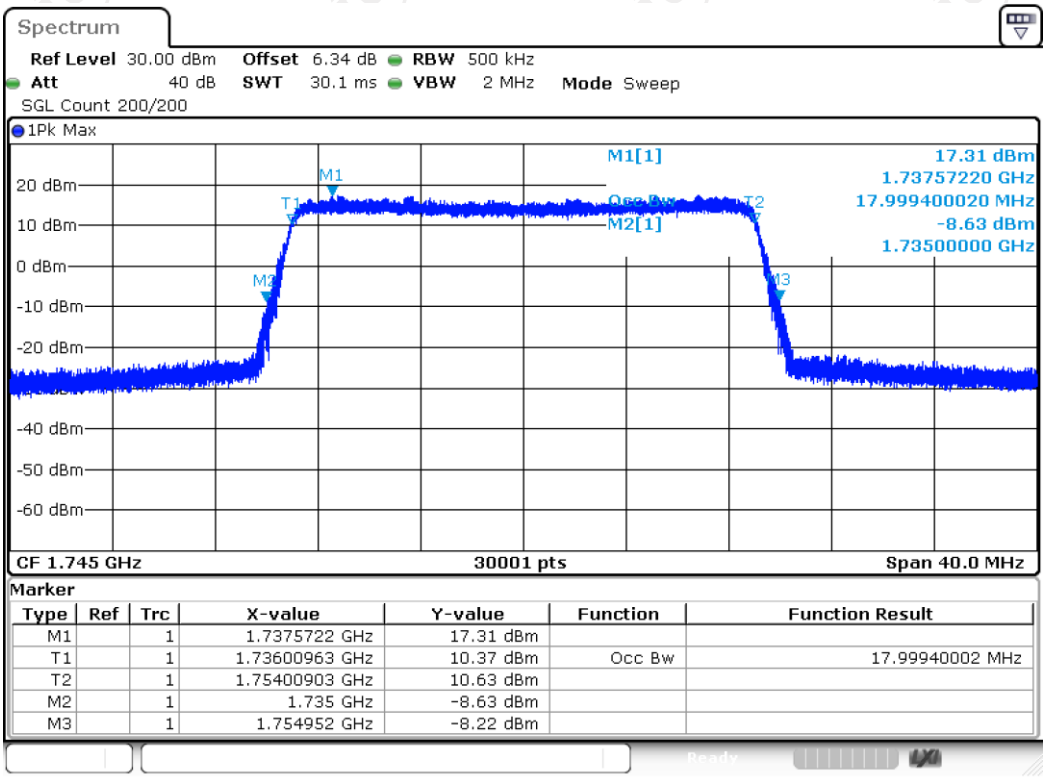


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7380398 GHz	17.03 dBm		
T1		1	1.7234923 GHz	9.22 dBm	Occ Bw	18.050064998 MHz
T2		1	1.74154237 GHz	9.75 dBm		
M2		1	1.7225 GHz	-8.78 dBm		
M3		1	1.742485 GHz	-8.55 dBm		

Date: 17.AUG.2023 17:19:32

Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

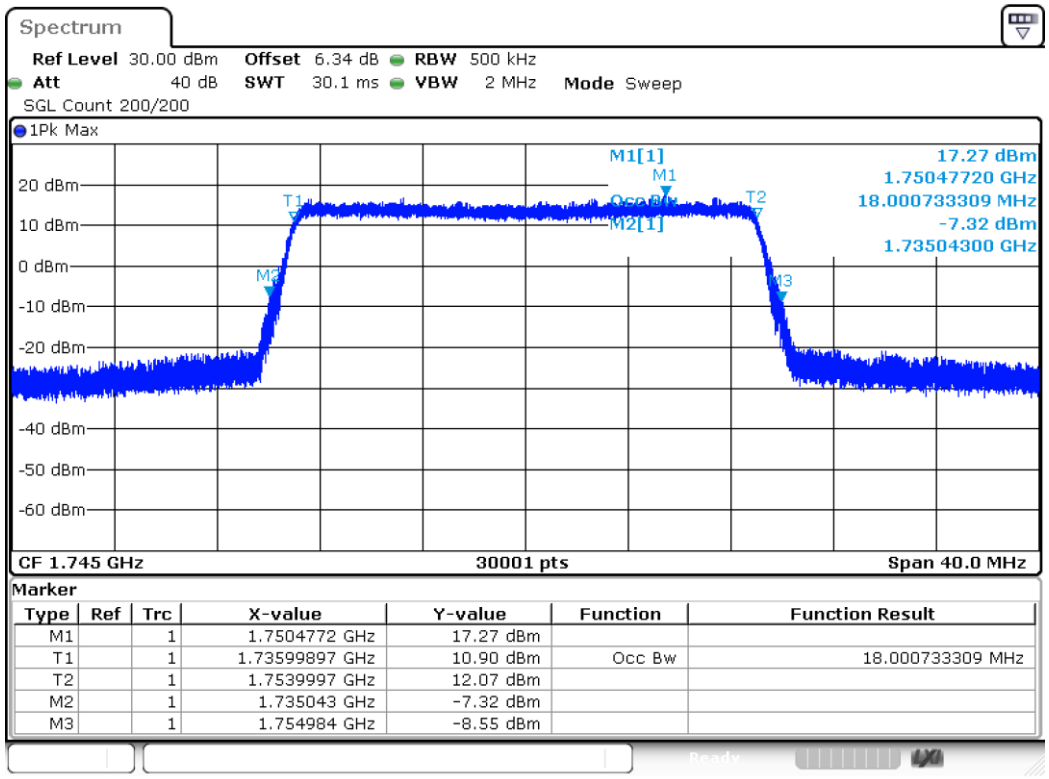


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7375722 GHz	17.31 dBm		
T1		1	1.73600963 GHz	10.37 dBm	Occ Bw	17.99940002 MHz
T2		1	1.75400903 GHz	10.63 dBm		
M2		1	1.735 GHz	-8.63 dBm		
M3		1	1.754952 GHz	-8.22 dBm		

Date: 17.AUG.2023 17:19:49

Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



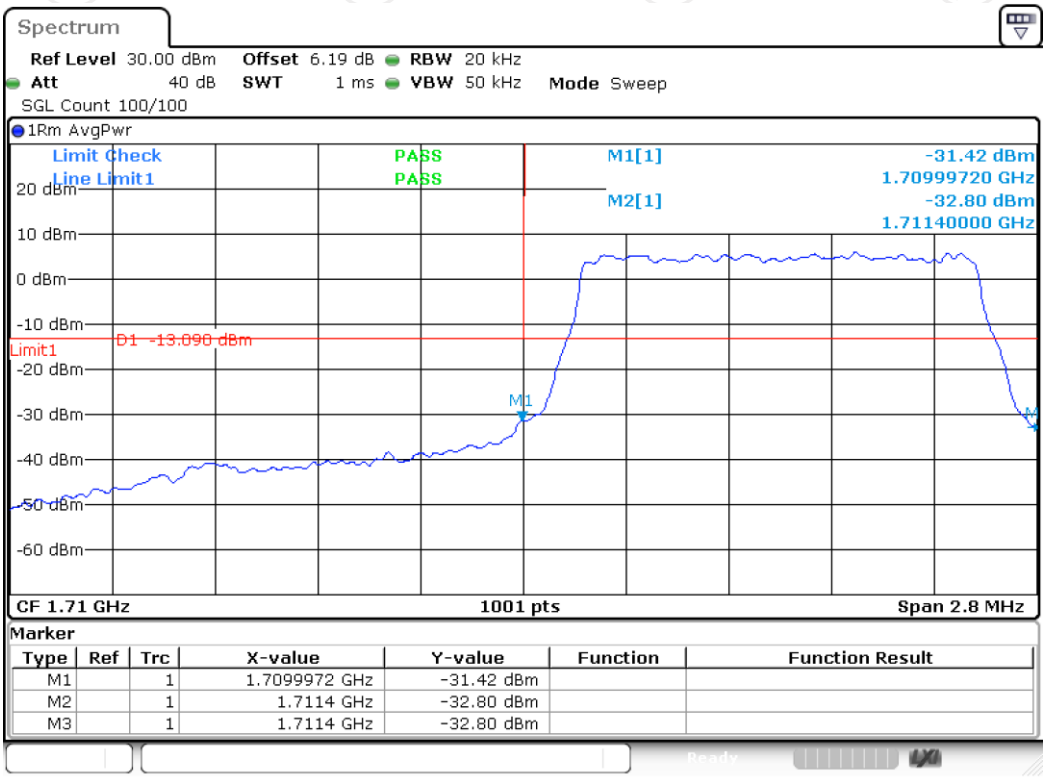
Date: 17.AUG.2023 17:20:06

5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1710.00	-31.41	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-33.30	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-34.21	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-35.30	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-26.61	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-25.84	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-27.70	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-29.41	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-34.26	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-31.51	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-32.58	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-34.30	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-38.10	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-36.17	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-34.51	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-39.59	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.94	-36.90	-13	PASS
Band4	15	20025	75	#0	16QAM	1710.00	-36.15	-13	PASS

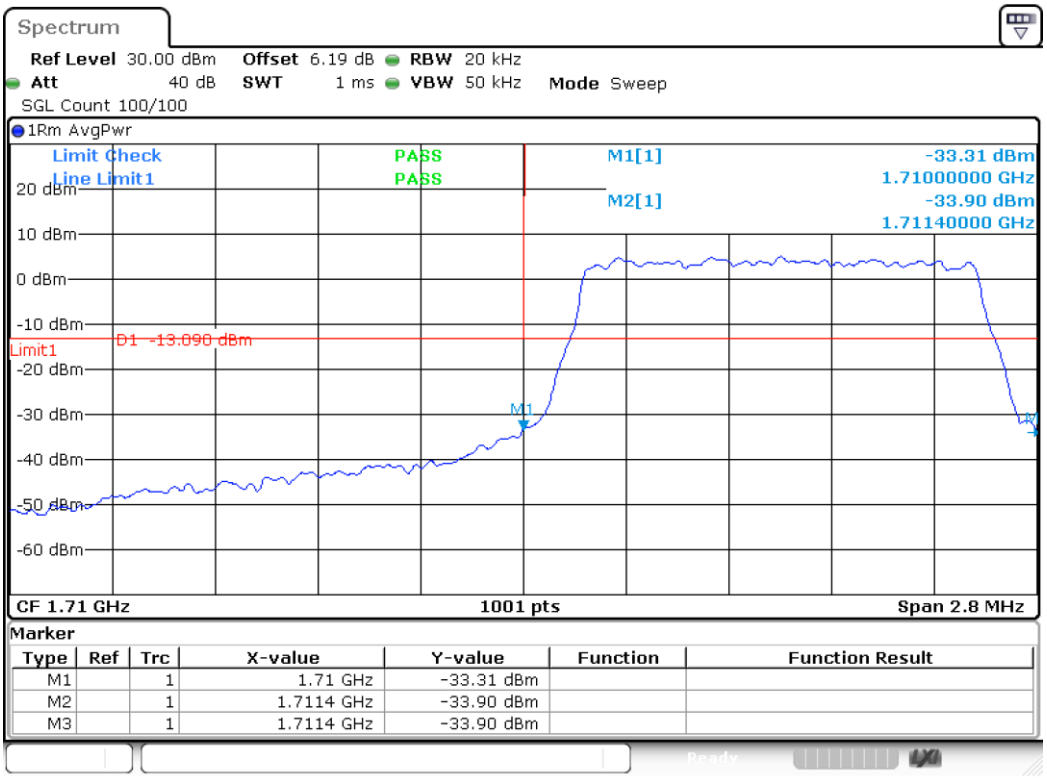
Band4	15	20325	75	#0	QPSK	1755.00	-33.63	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.00	-32.33	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.96	-39.22	-13	PASS
Band4	20	20050	100	#0	16QAM	1710.00	-36.63	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.00	-37.23	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.12	-38.35	-13	PASS

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



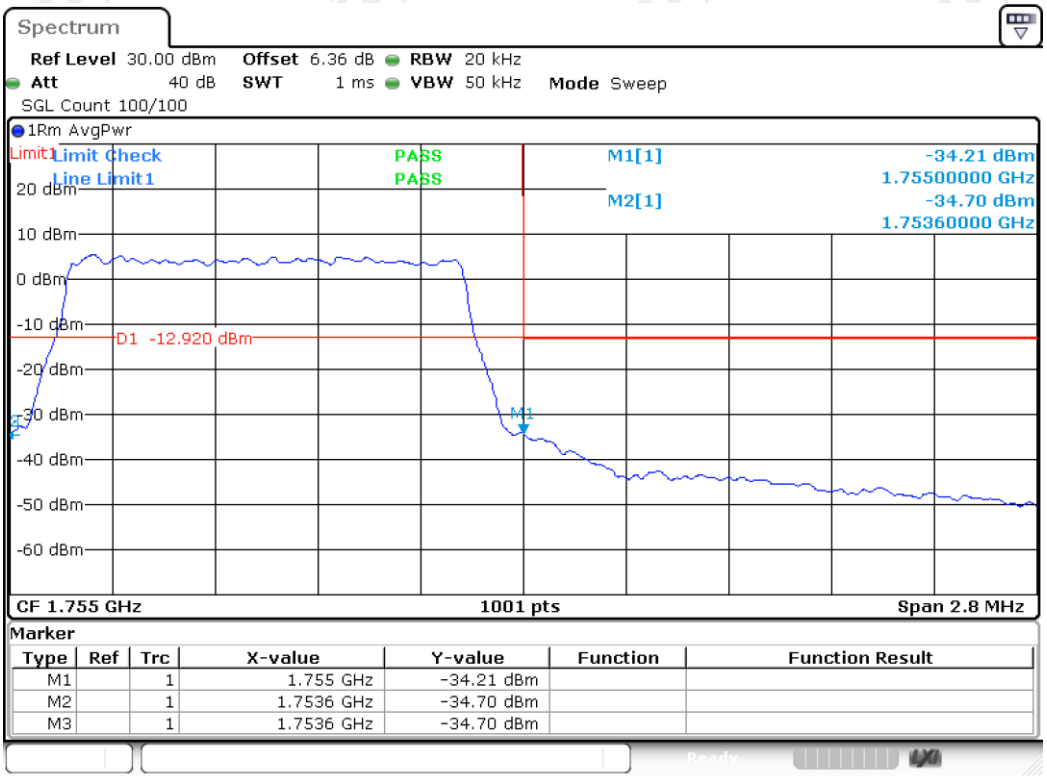
Date: 17.AUG.2023 17:20:13

Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



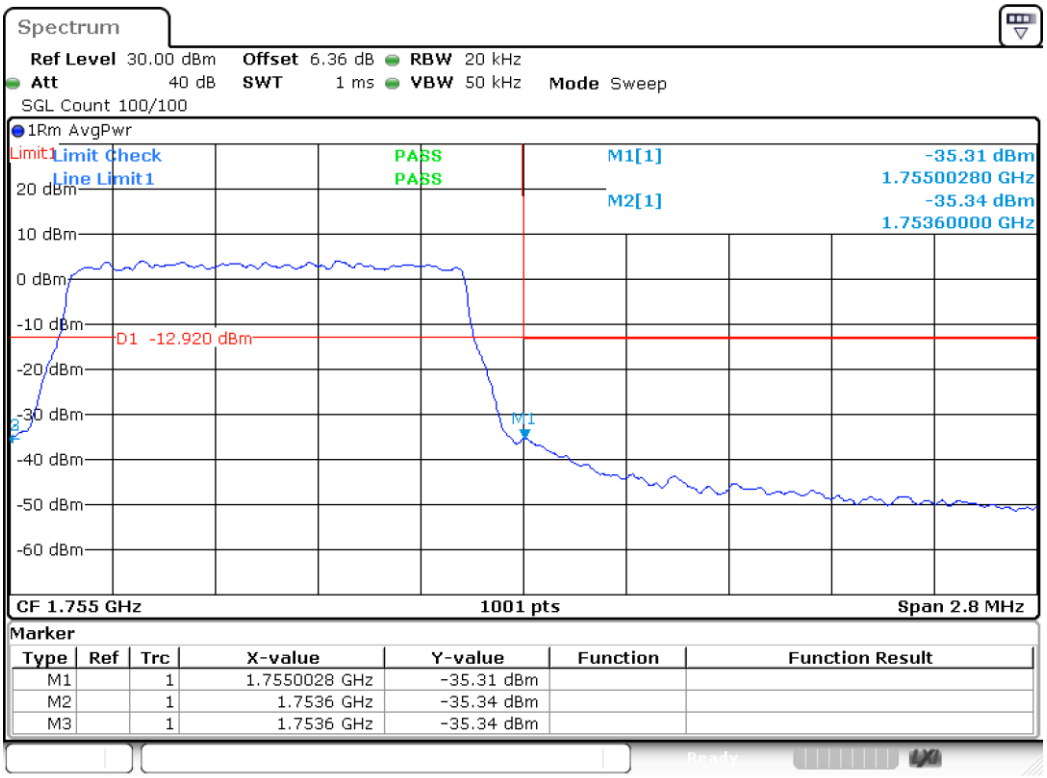
Date: 17.AUG.2023 17:20:18

Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



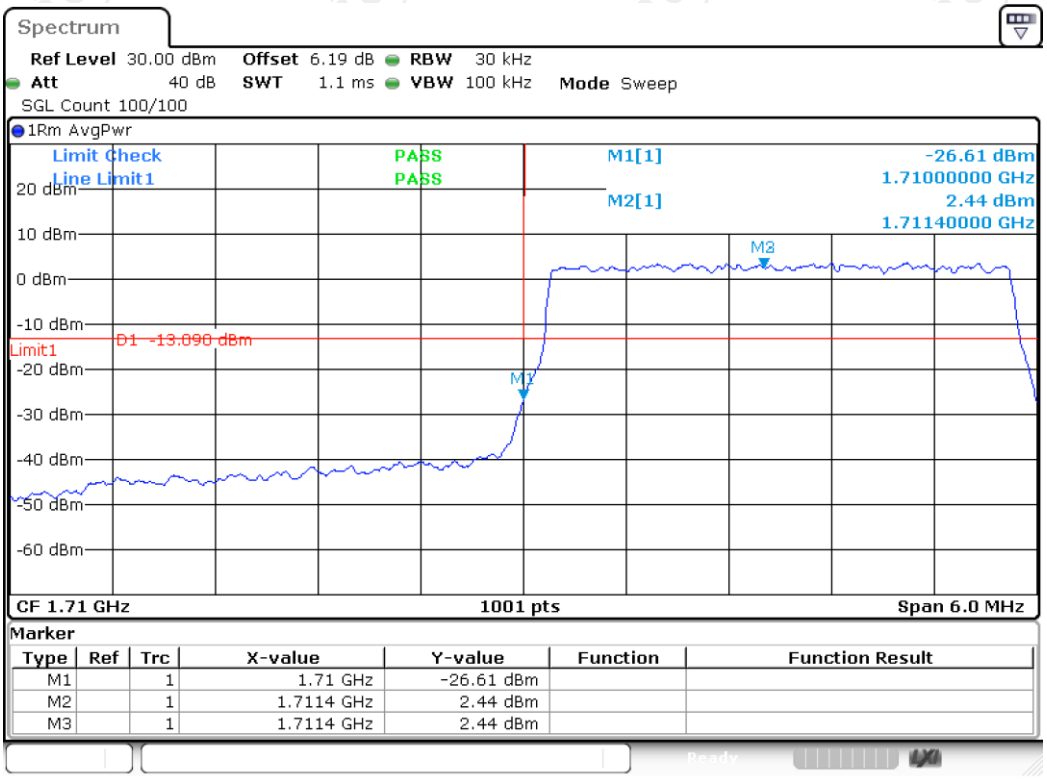
Date: 17.AUG.2023 17:20:23

Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



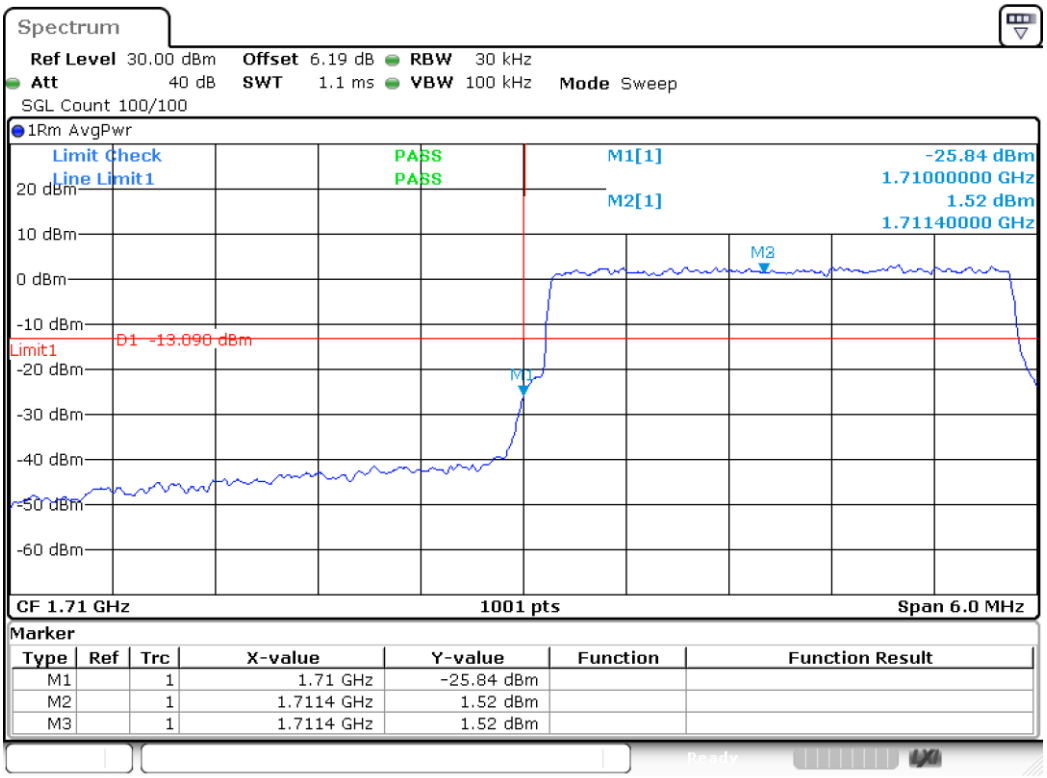
Date: 17.AUG.2023 17:20:28

Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



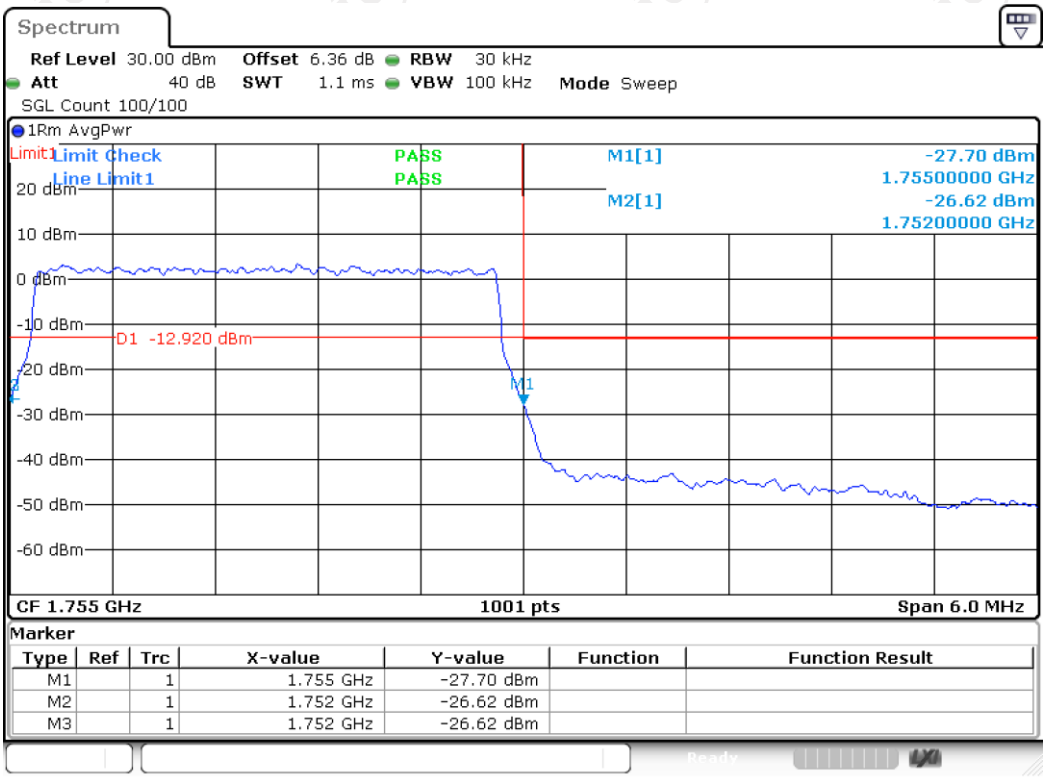
Date: 17.AUG.2023 17:20:33

Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



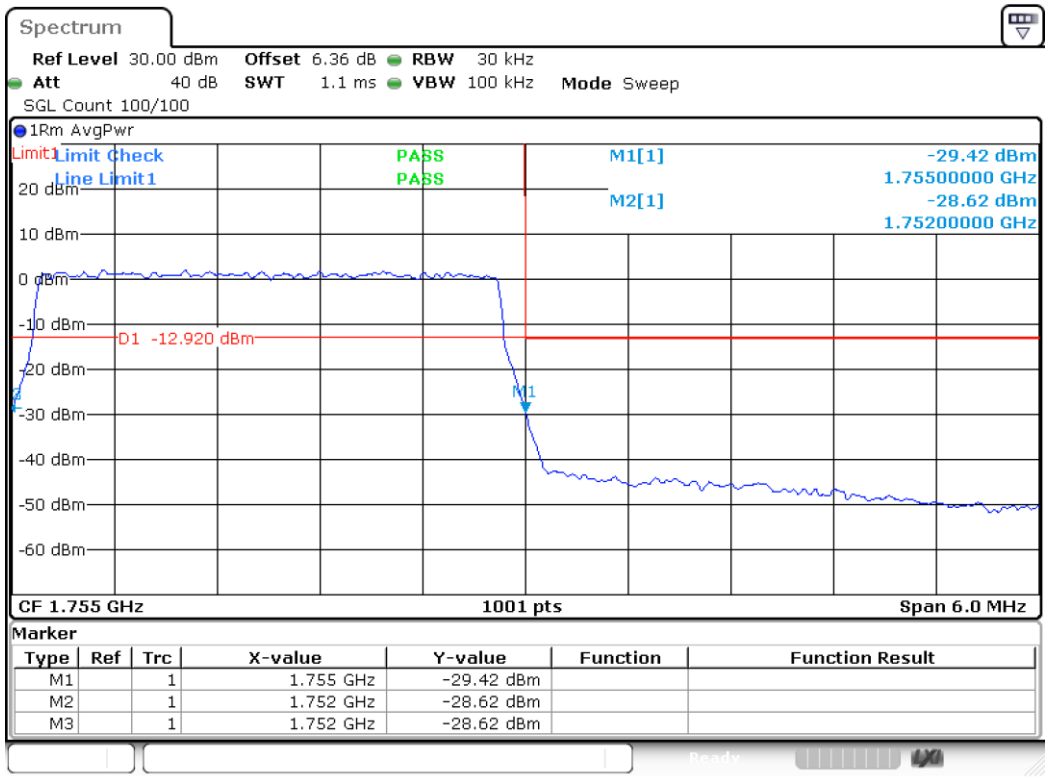
Date: 17.AUG.2023 17:20:38

Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



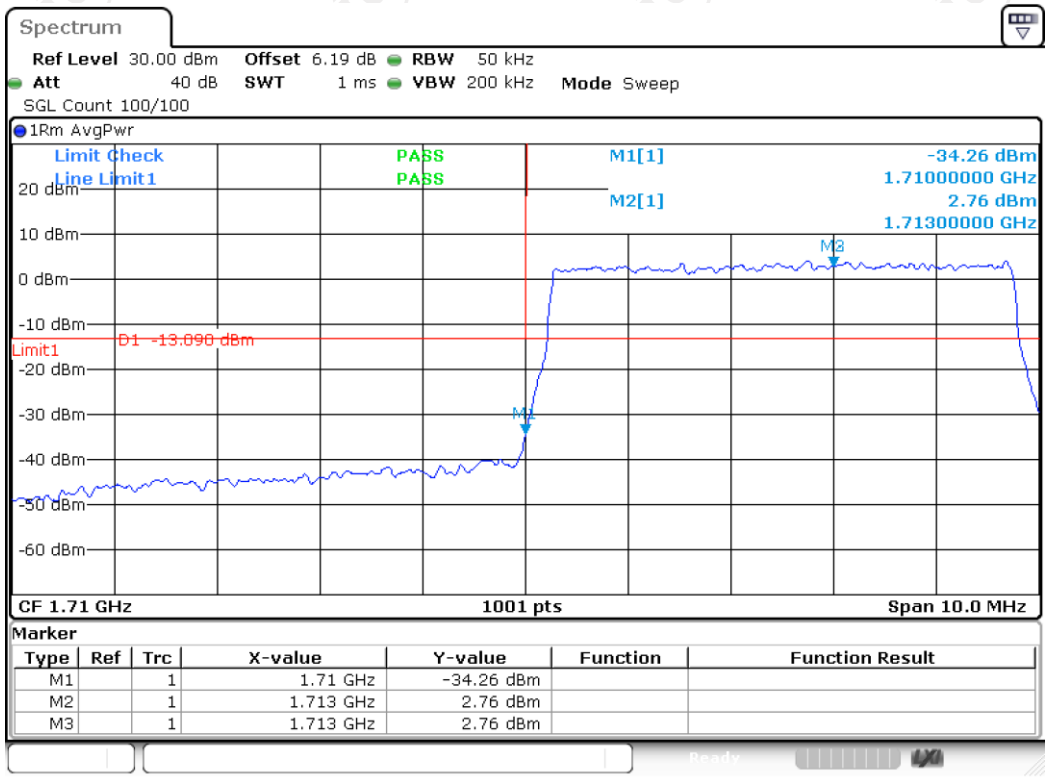
Date: 17.AUG.2023 17:20:43

Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



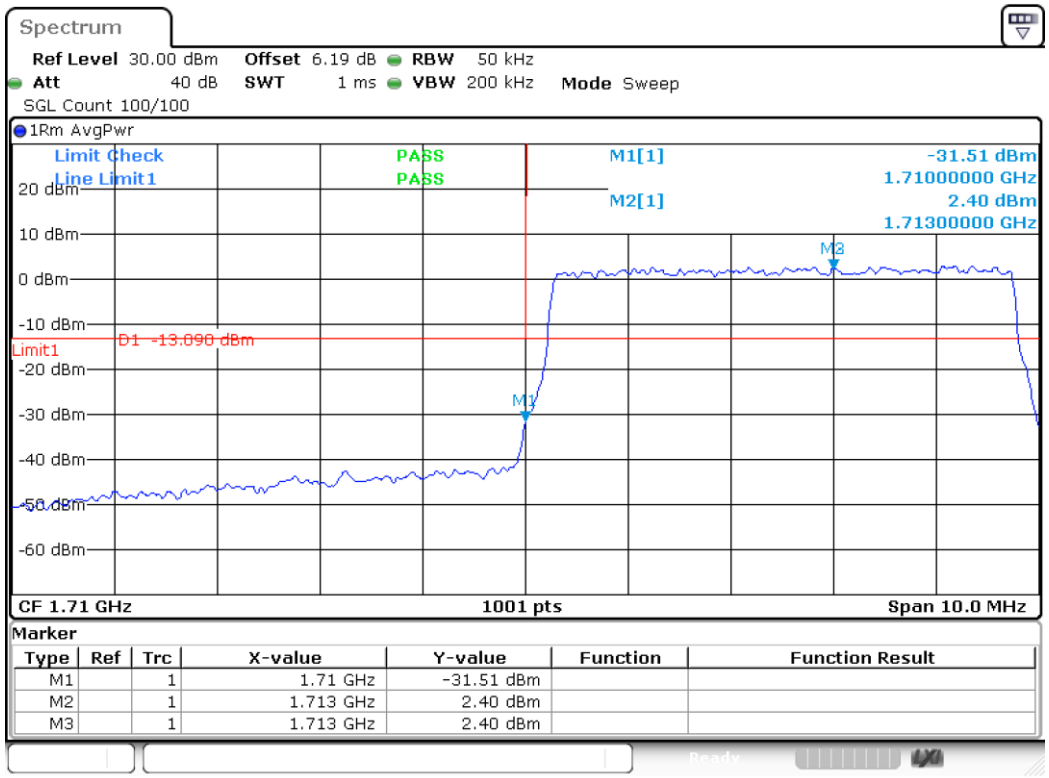
Date: 17.AUG.2023 17:20:48

Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



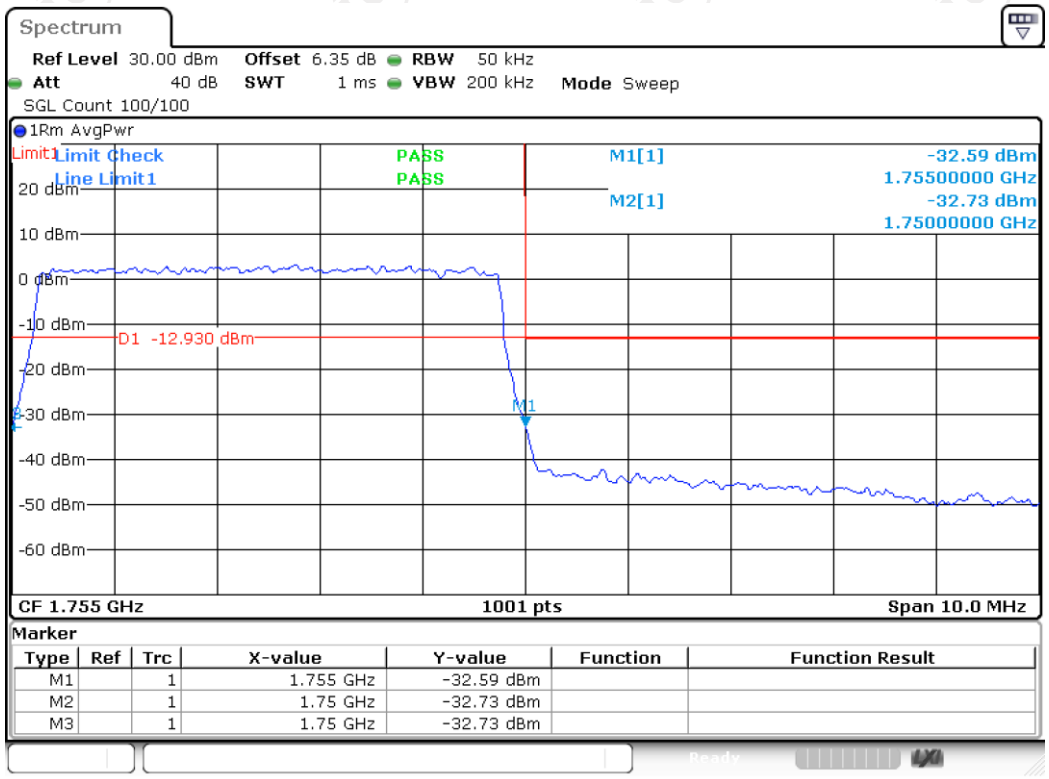
Date: 17.AUG.2023 17:20:53

Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



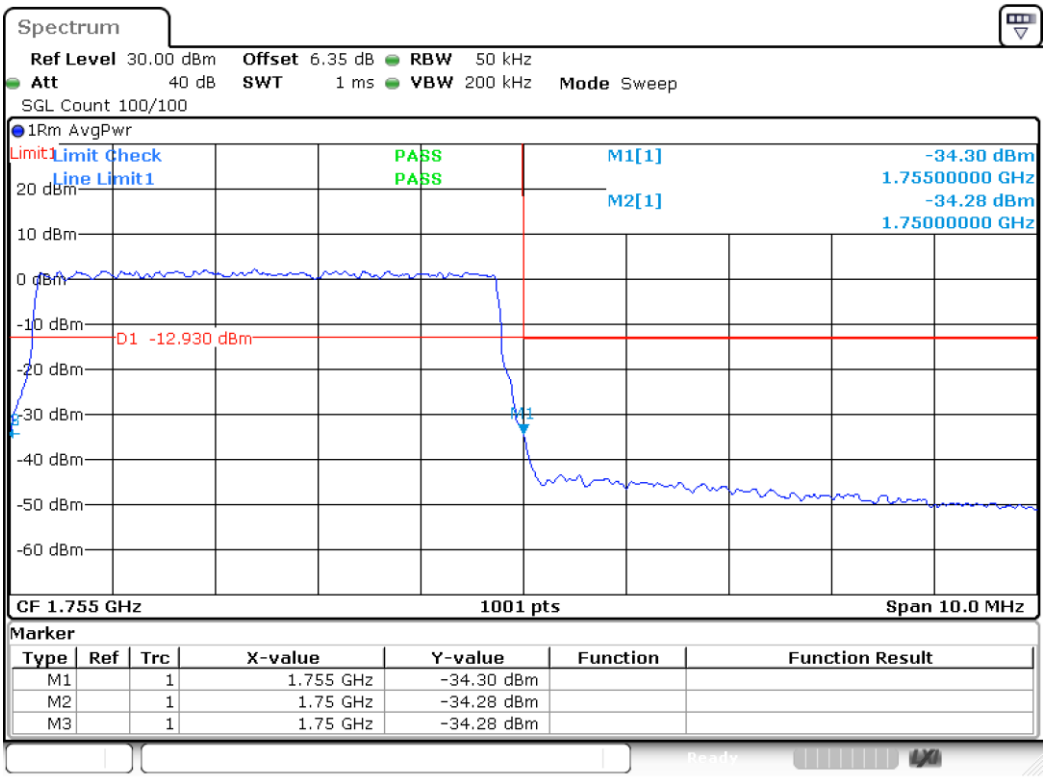
Date: 17.AUG.2023 17:20:58

Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



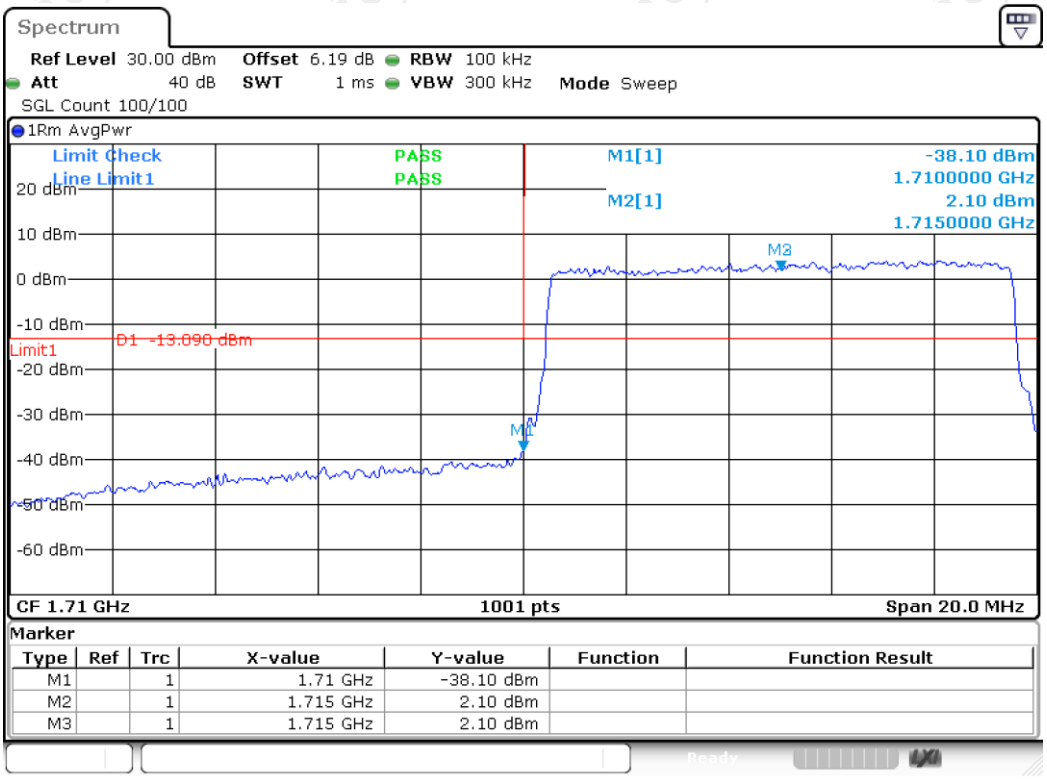
Date: 17.AUG.2023 17:21:03

Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



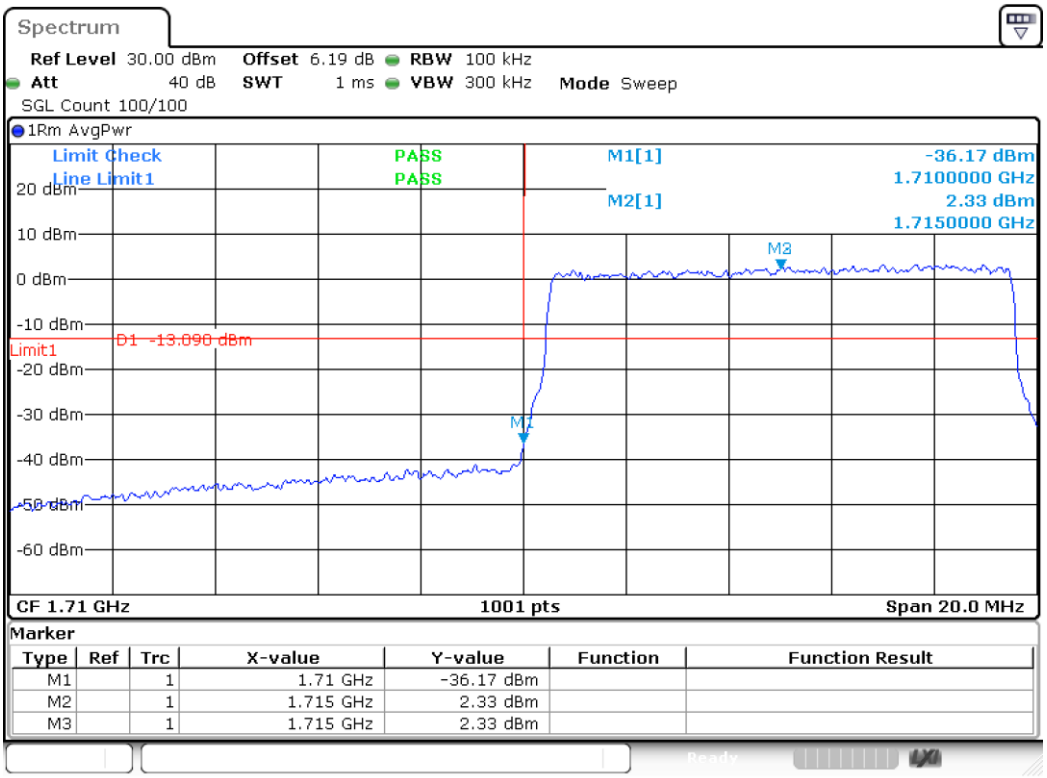
Date: 17.AUG.2023 17:21:08

Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

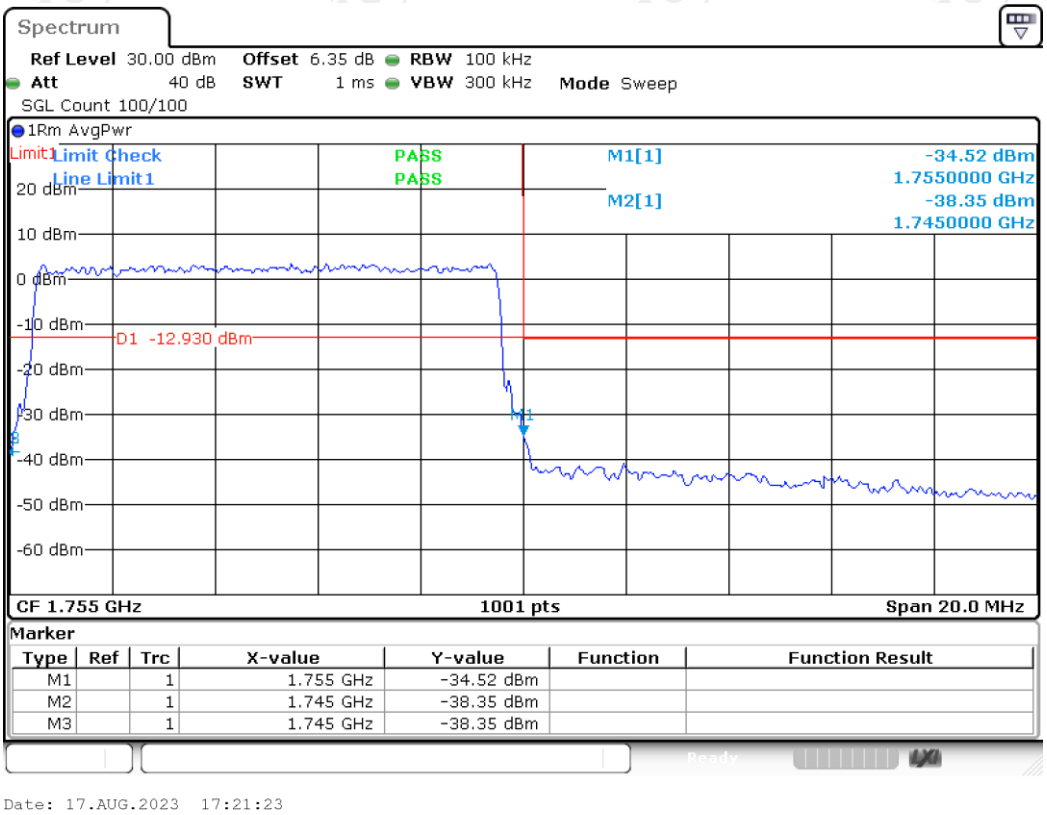


Date: 17.AUG.2023 17:21:14

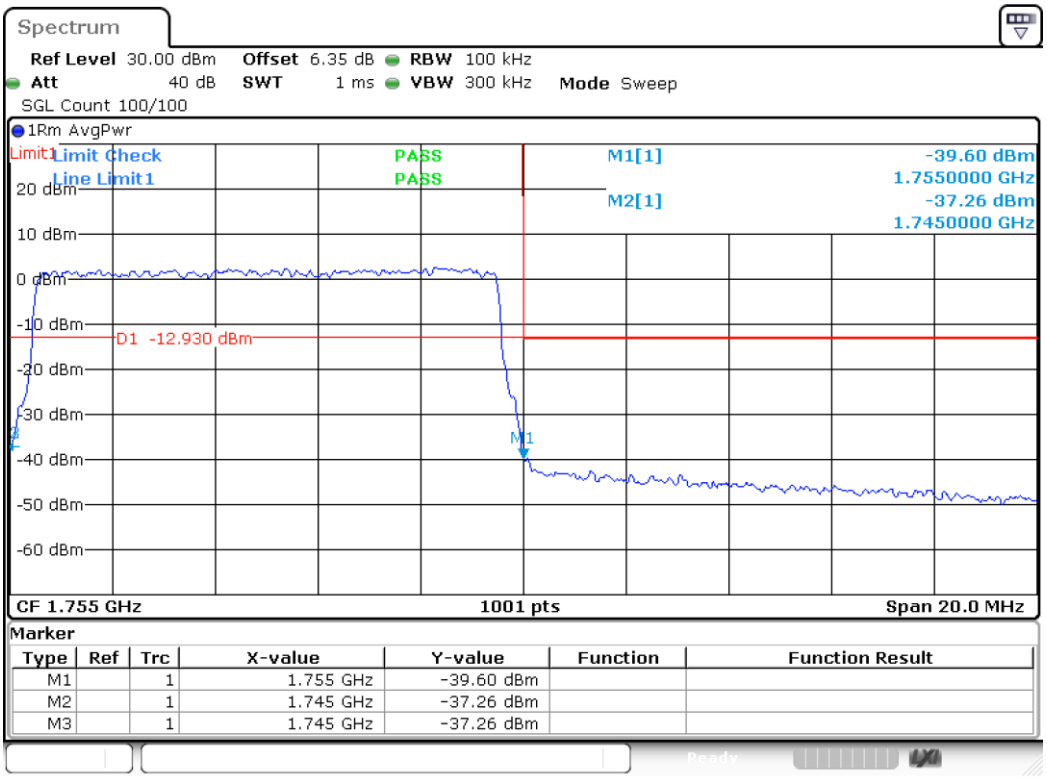
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

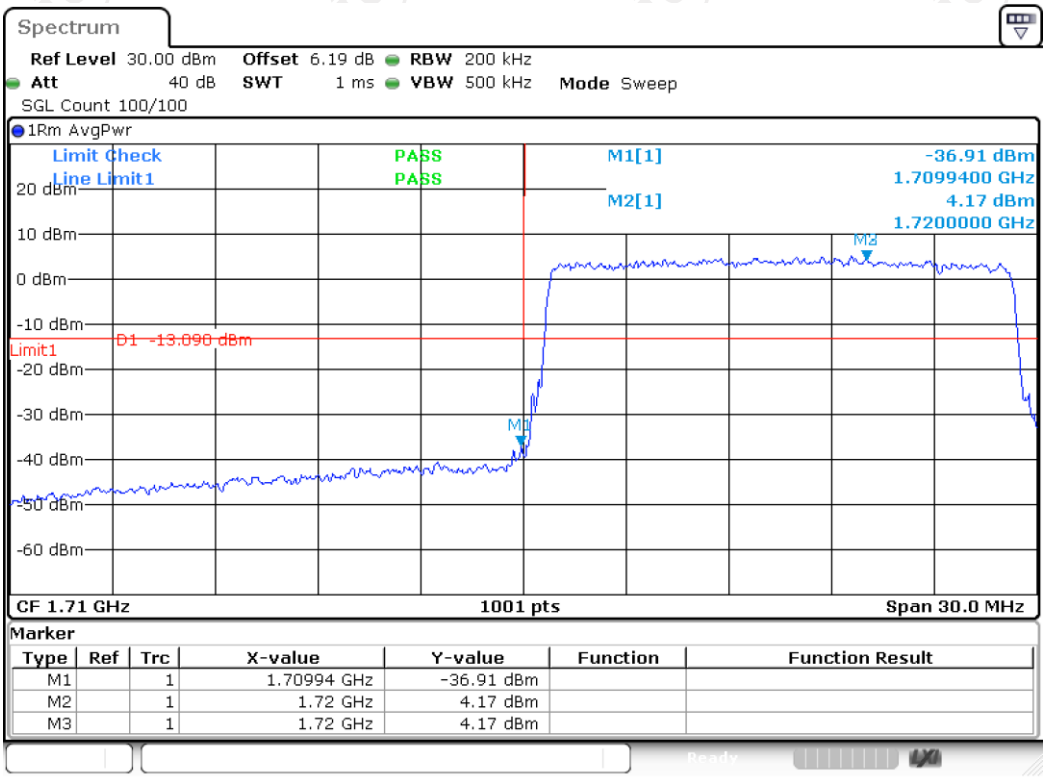


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



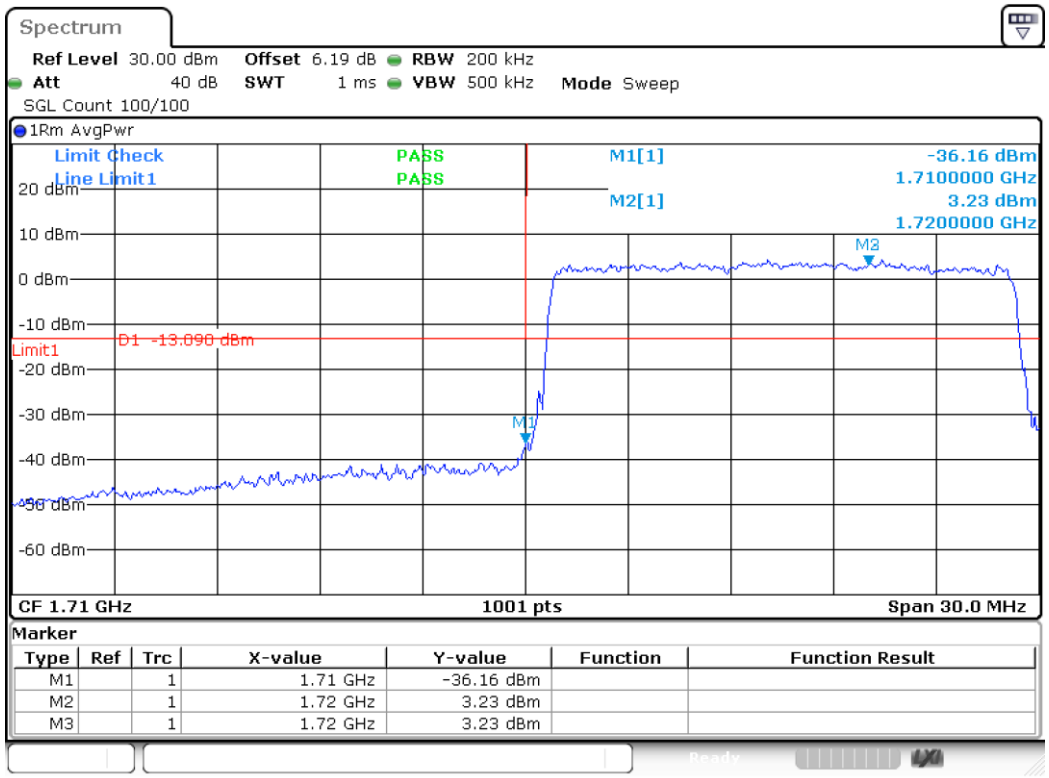
Date: 17.AUG.2023 17:21:28

Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



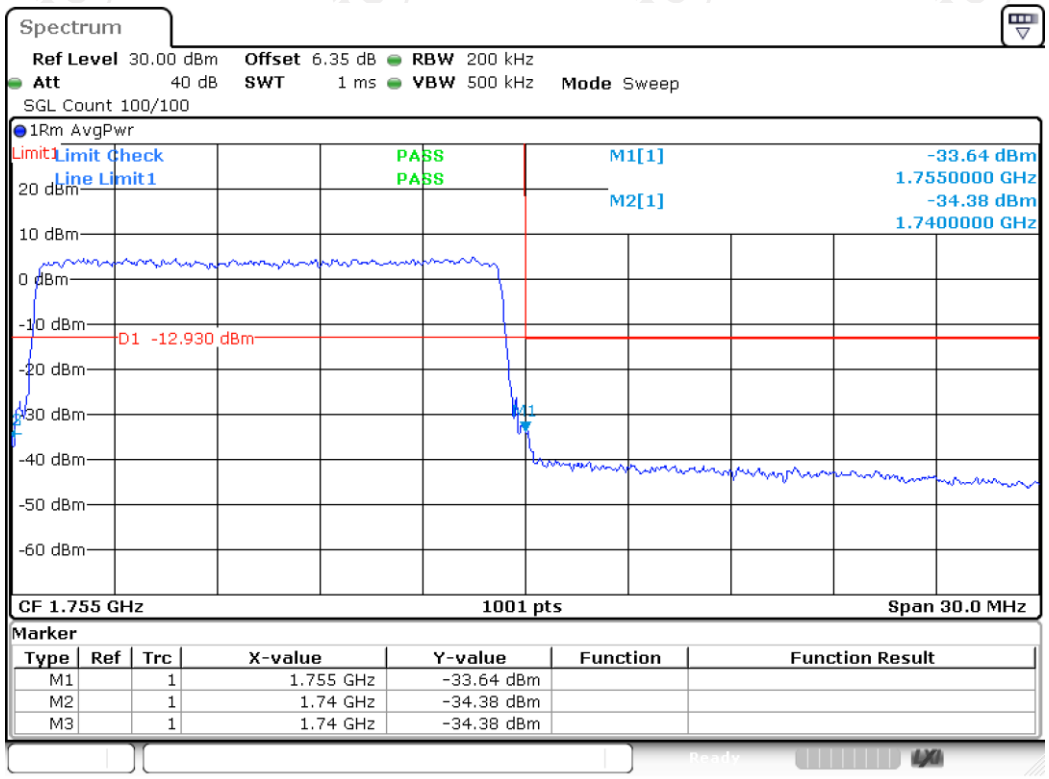
Date: 17.AUG.2023 17:21:33

Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



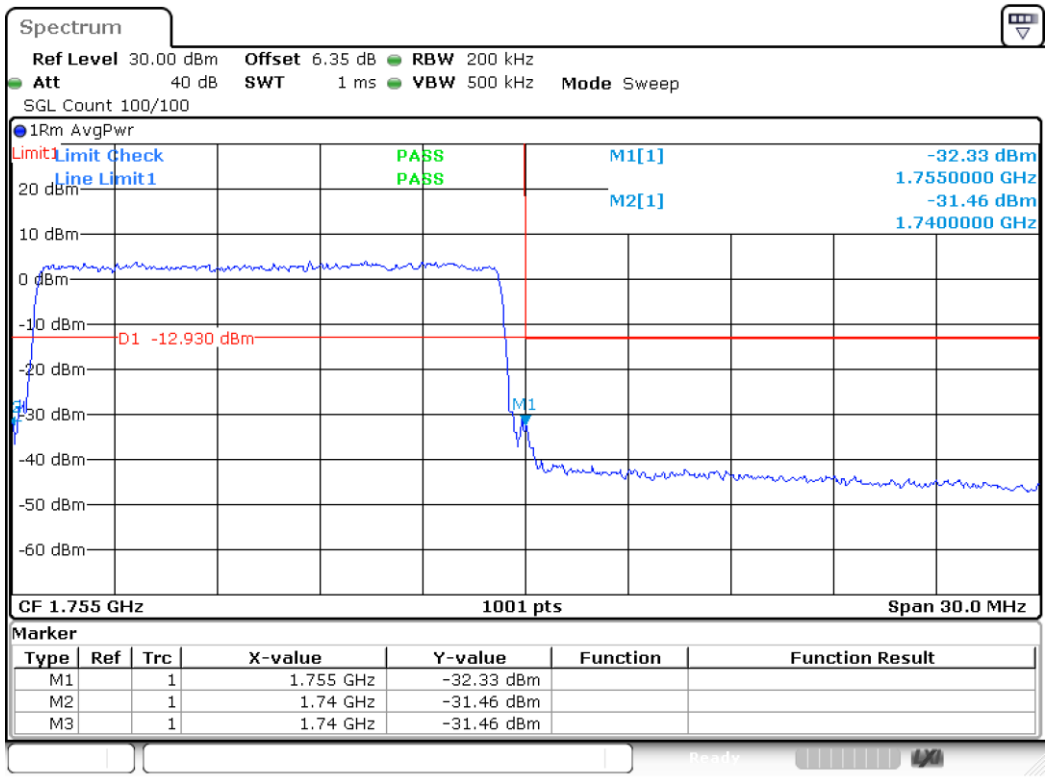
Date: 17.AUG.2023 17:21:38

Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



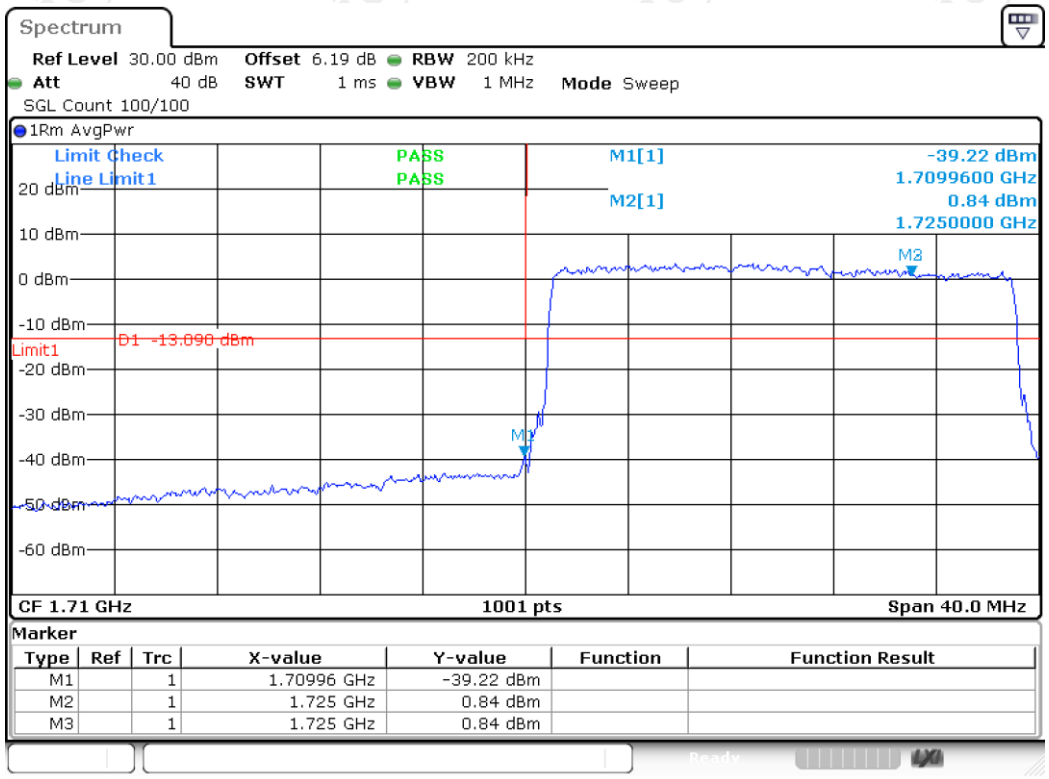
Date: 17.AUG.2023 17:21:44

Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



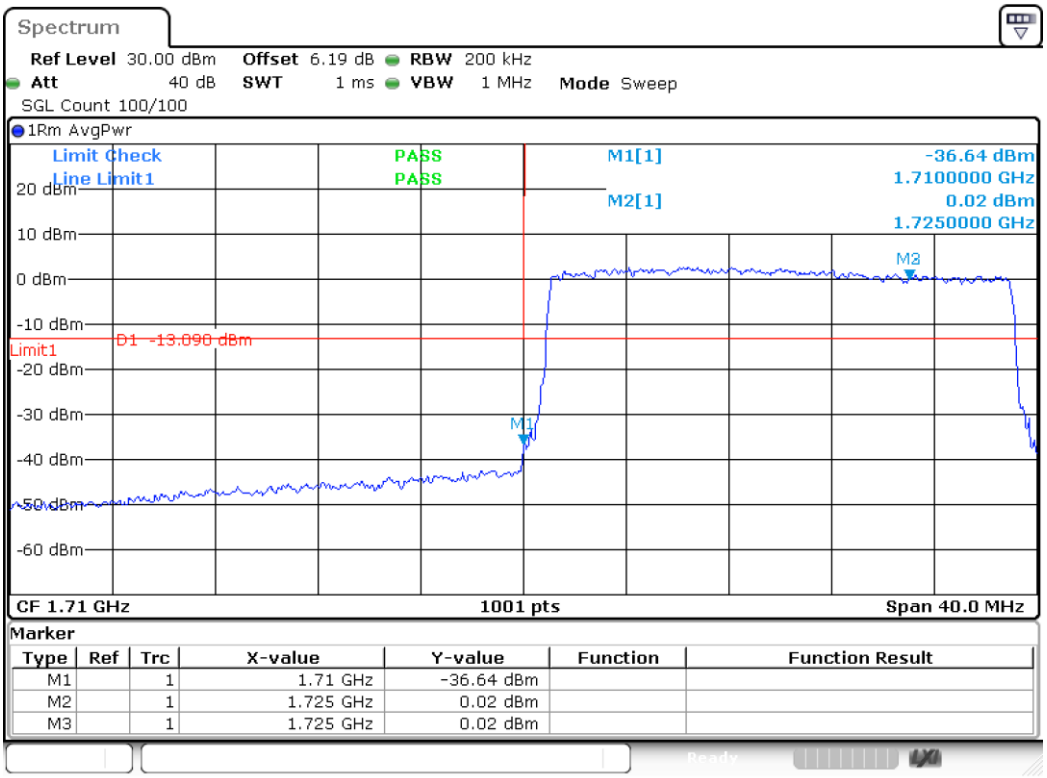
Date: 17.AUG.2023 17:21:49

Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



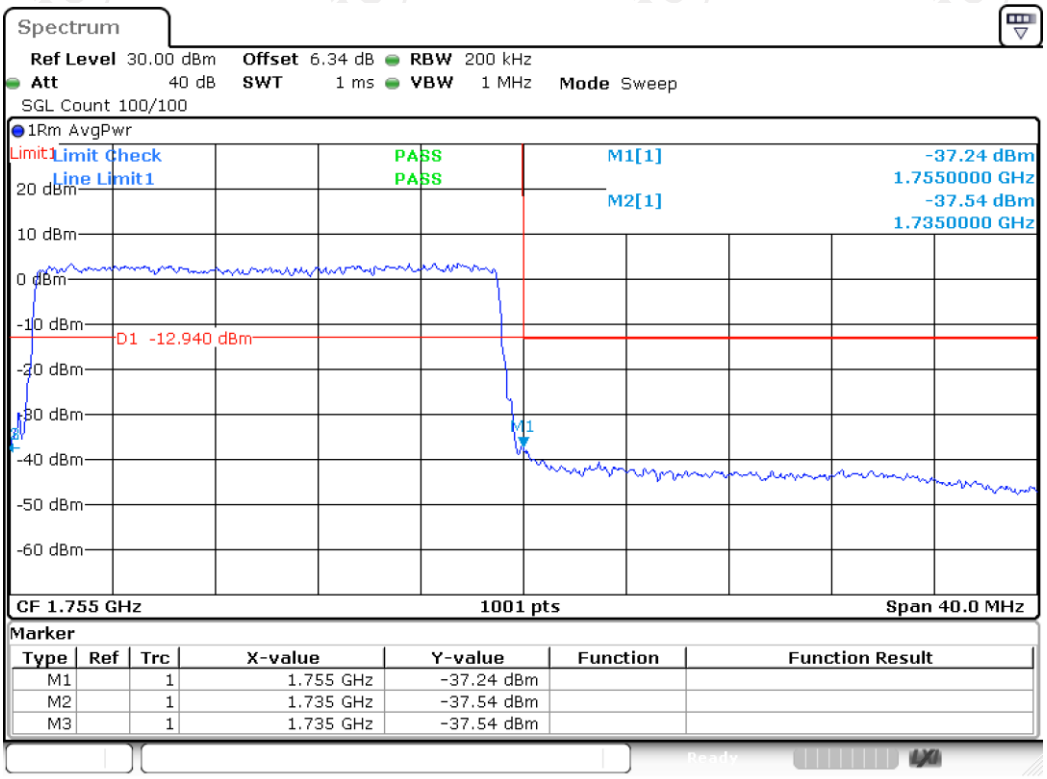
Date: 17.AUG.2023 17:21:56

Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



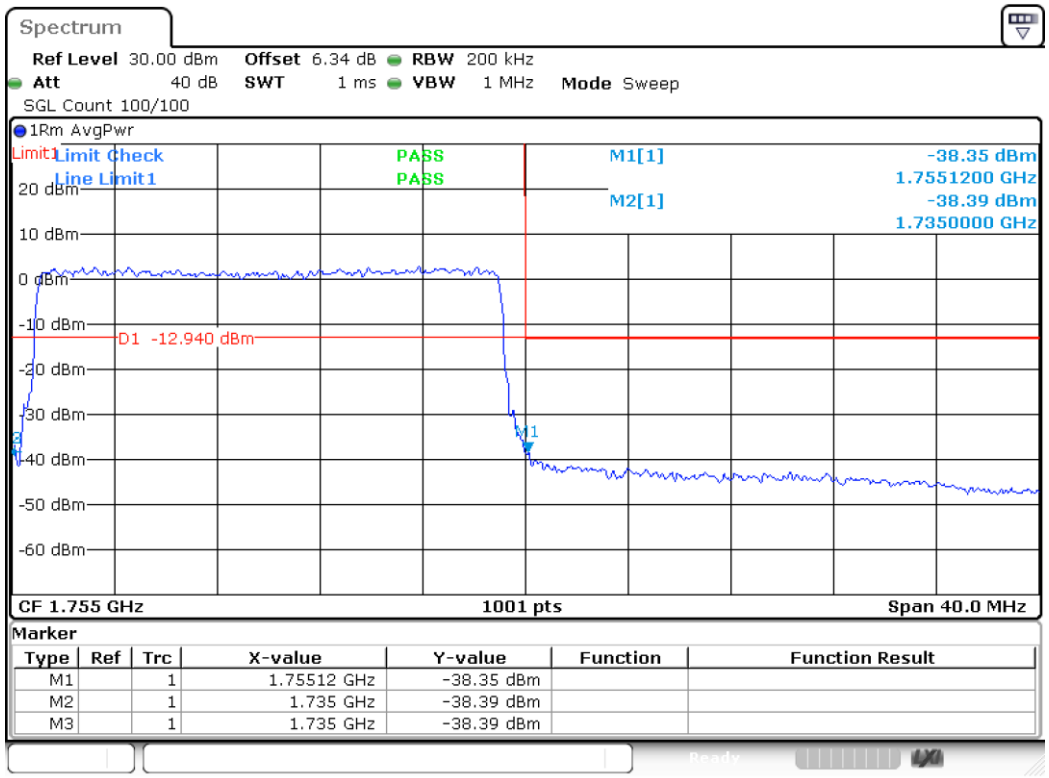
Date: 17.AUG.2023 17:22:02

Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



Date: 17.AUG.2023 17:22:07

Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



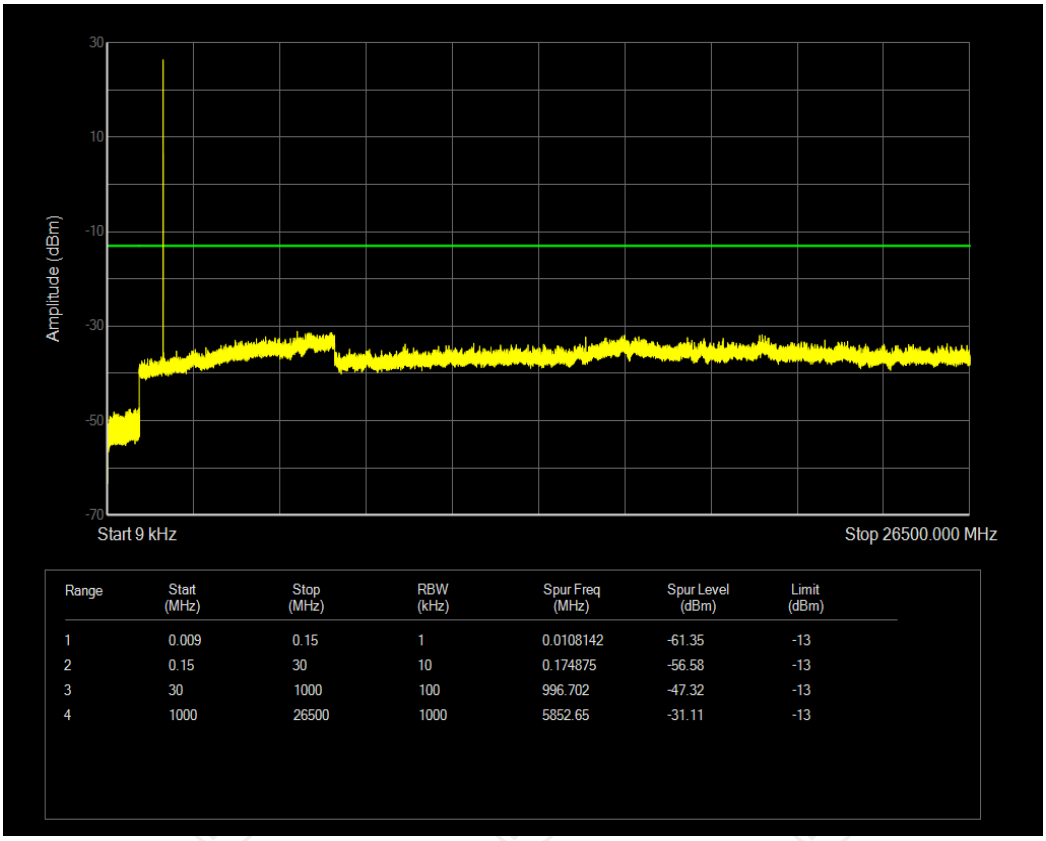
Date: 17.AUG.2023 17:22:13

6 Out-of-band emissions

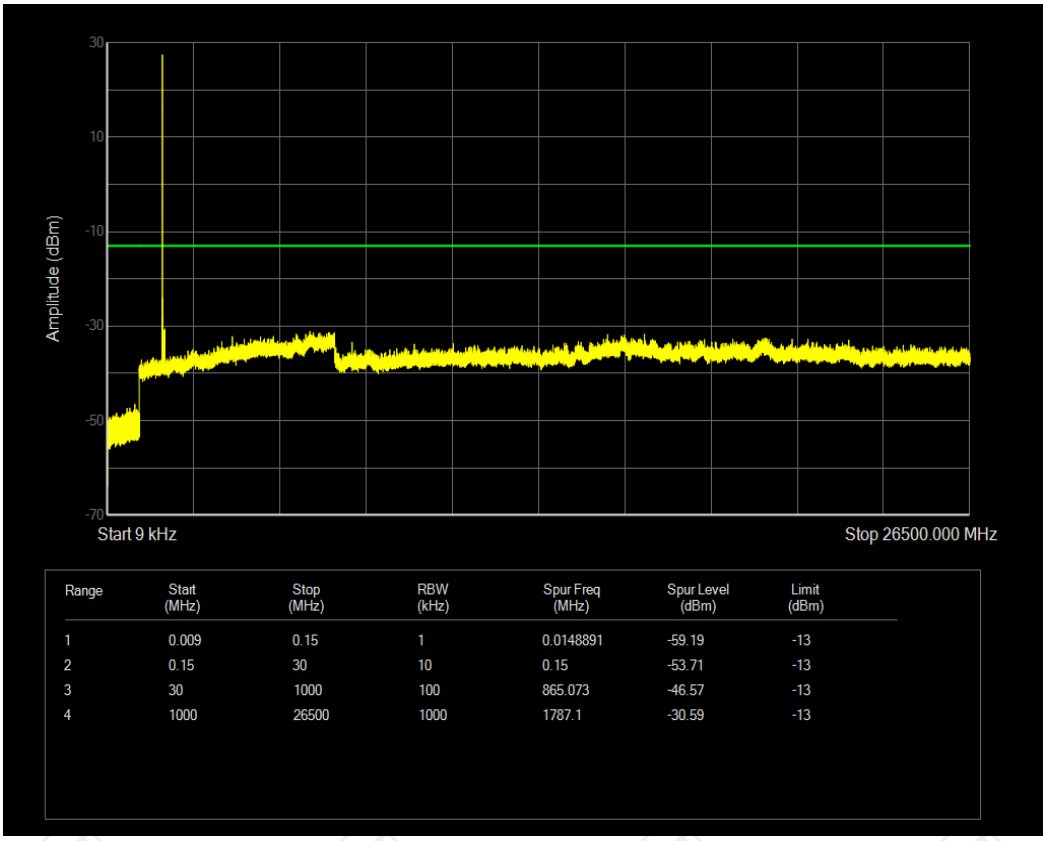
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	6854.80	-30.46	-13	PASS
Band4	1.4	19957	1	#0	16QAM	1787.10	-30.59	-13	PASS
Band4	1.4	20175	1	#0	QPSK	5852.65	-31.11	-13	PASS
Band4	1.4	20175	1	#0	16QAM	1782.85	-29.56	-13	PASS
Band4	1.4	20393	1	#0	QPSK	6941.50	-30.51	-13	PASS
Band4	1.4	20393	1	#0	16QAM	6932.15	-30.28	-13	PASS
Band4	3	19965	1	#0	QPSK	6185.85	-30.97	-13	PASS
Band4	3	19965	1	#0	16QAM	4595.50	-30.49	-13	PASS
Band4	3	20175	1	#0	QPSK	6738.35	-30.79	-13	PASS
Band4	3	20175	1	#0	16QAM	6909.20	-30.73	-13	PASS
Band4	3	20385	1	#0	QPSK	6835.25	-30.99	-13	PASS
Band4	3	20385	1	#0	16QAM	6349.90	-30.57	-13	PASS
Band4	5	19975	1	#0	QPSK	6710.30	-30.58	-13	PASS
Band4	5	19975	1	#0	16QAM	6234.30	-30.10	-13	PASS
Band4	5	20175	1	#0	QPSK	6300.60	-30.52	-13	PASS
Band4	5	20175	1	#0	16QAM	6380.50	-30.50	-13	PASS
Band4	5	20375	1	#0	QPSK	6344.80	-30.47	-13	PASS
Band4	5	20375	1	#0	16QAM	6860.75	-29.77	-13	PASS

Band4	10	20000	1	#0	QPSK	6244.50	-30.87	-13	PASS
Band4	10	20000	1	#0	16QAM	6761.30	-30.37	-13	PASS
Band4	10	20175	1	#0	QPSK	6242.80	-30.76	-13	PASS
Band4	10	20175	1	#0	16QAM	6297.20	-30.39	-13	PASS
Band4	10	20350	1	#0	QPSK	6206.25	-30.08	-13	PASS
Band4	10	20350	1	#0	16QAM	6249.60	-30.38	-13	PASS
Band4	15	20025	1	#0	QPSK	6763.85	-30.38	-13	PASS
Band4	15	20025	1	#0	16QAM	6237.70	-30.00	-13	PASS
Band4	15	20175	1	#0	QPSK	6972.10	-30.66	-13	PASS
Band4	15	20175	1	#0	16QAM	6363.50	-29.49	-13	PASS
Band4	15	20325	1	#0	QPSK	6858.20	-30.01	-13	PASS
Band4	15	20325	1	#0	16QAM	6850.55	-31.01	-13	PASS
Band4	20	20050	1	#0	QPSK	6857.35	-30.54	-13	PASS
Band4	20	20050	1	#0	16QAM	5805.05	-30.67	-13	PASS
Band4	20	20175	1	#0	QPSK	6945.75	-30.30	-13	PASS
Band4	20	20175	1	#0	16QAM	6262.35	-30.21	-13	PASS
Band4	20	20300	1	#0	QPSK	6830.15	-29.91	-13	PASS
Band4	20	20300	1	#0	16QAM	6895.60	-30.31	-13	PASS

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0

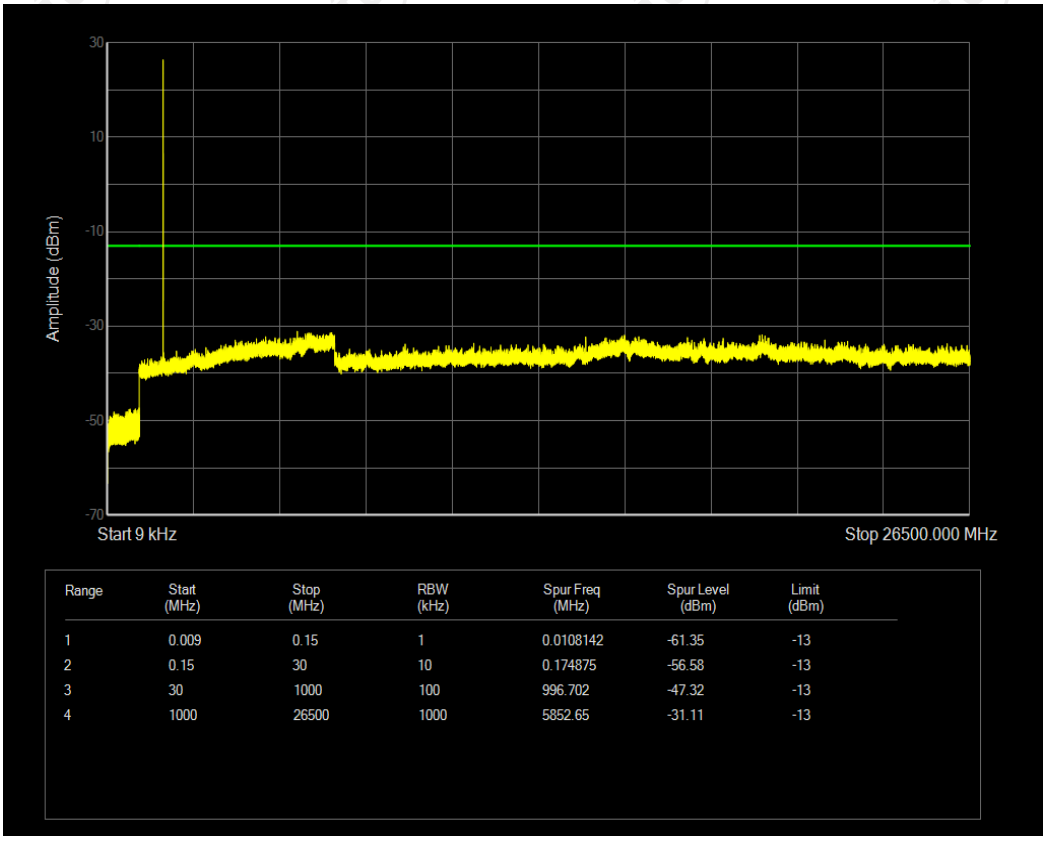


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



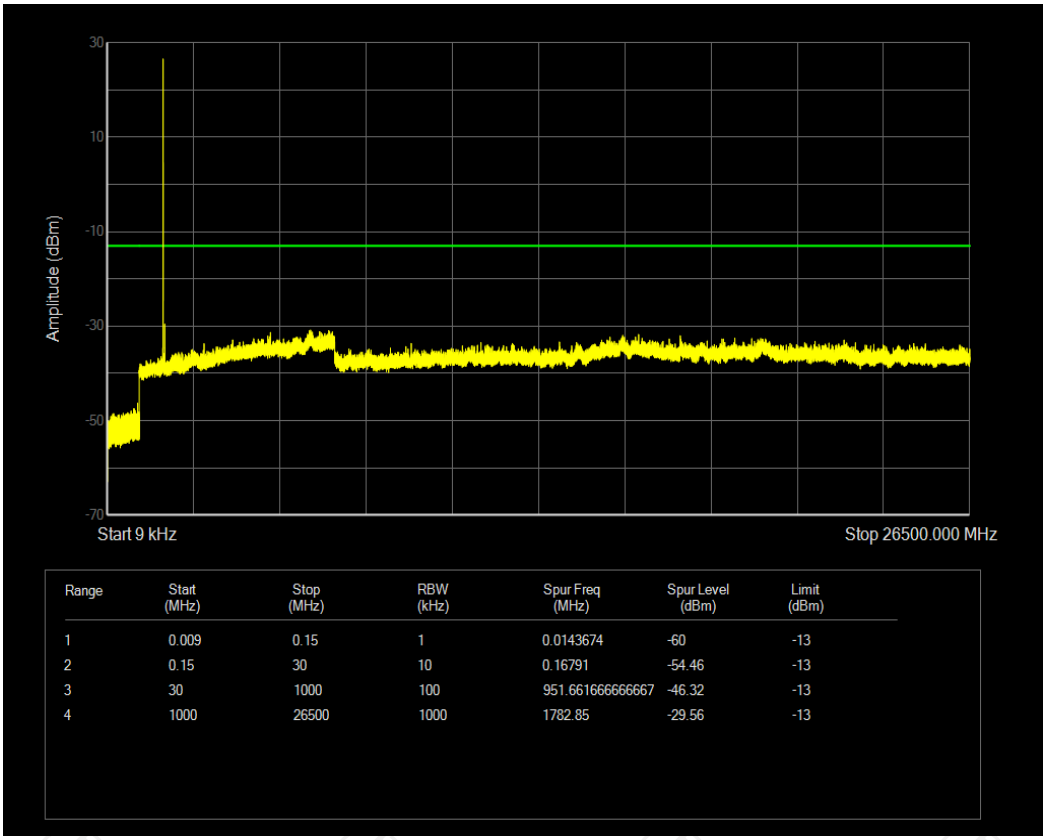
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0148891	-59.19	-13
2	0.15	30	10	0.15	-53.71	-13
3	30	1000	100	865.073	-46.57	-13
4	1000	26500	1000	1787.1	-30.59	-13

Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



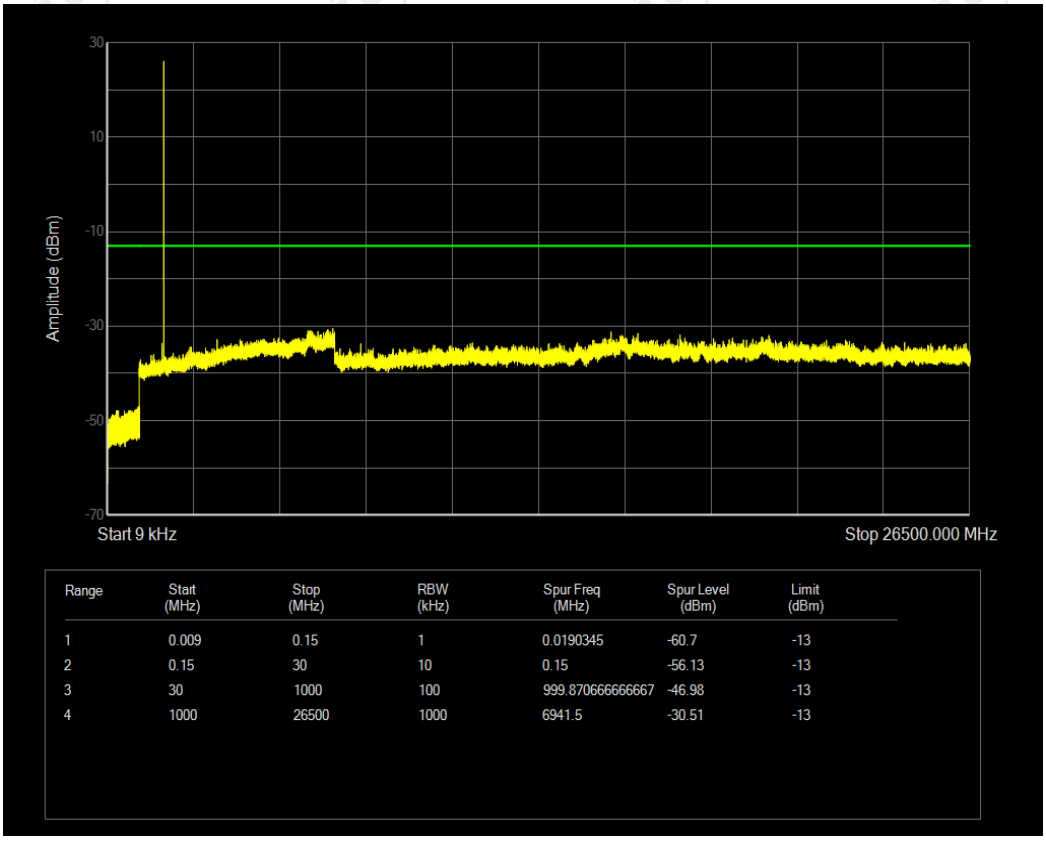
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0108142	-61.35	-13
2	0.15	30	10	0.174875	-56.58	-13
3	30	1000	100	996.702	-47.32	-13
4	1000	26500	1000	5852.65	-31.11	-13

Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



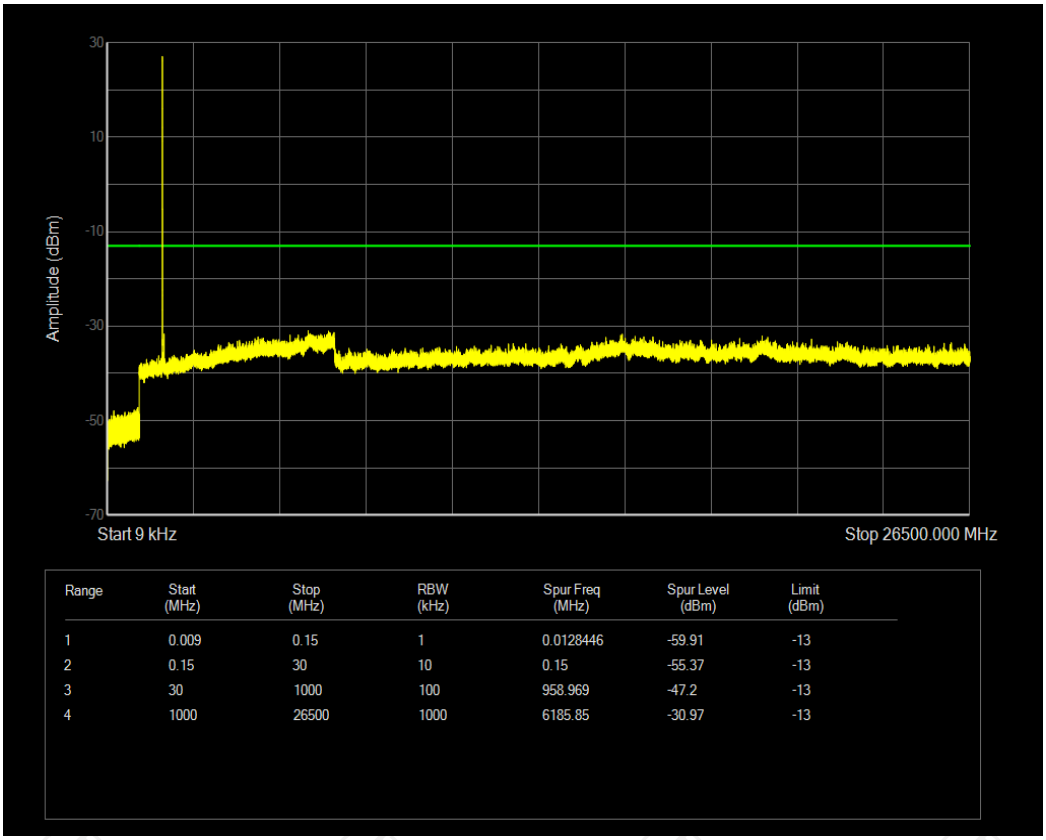
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0143674	-60	-13
2	0.15	30	10	0.16791	-54.46	-13
3	30	1000	100	951.661666666667	-46.32	-13
4	1000	26500	1000	1782.85	-29.56	-13

Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



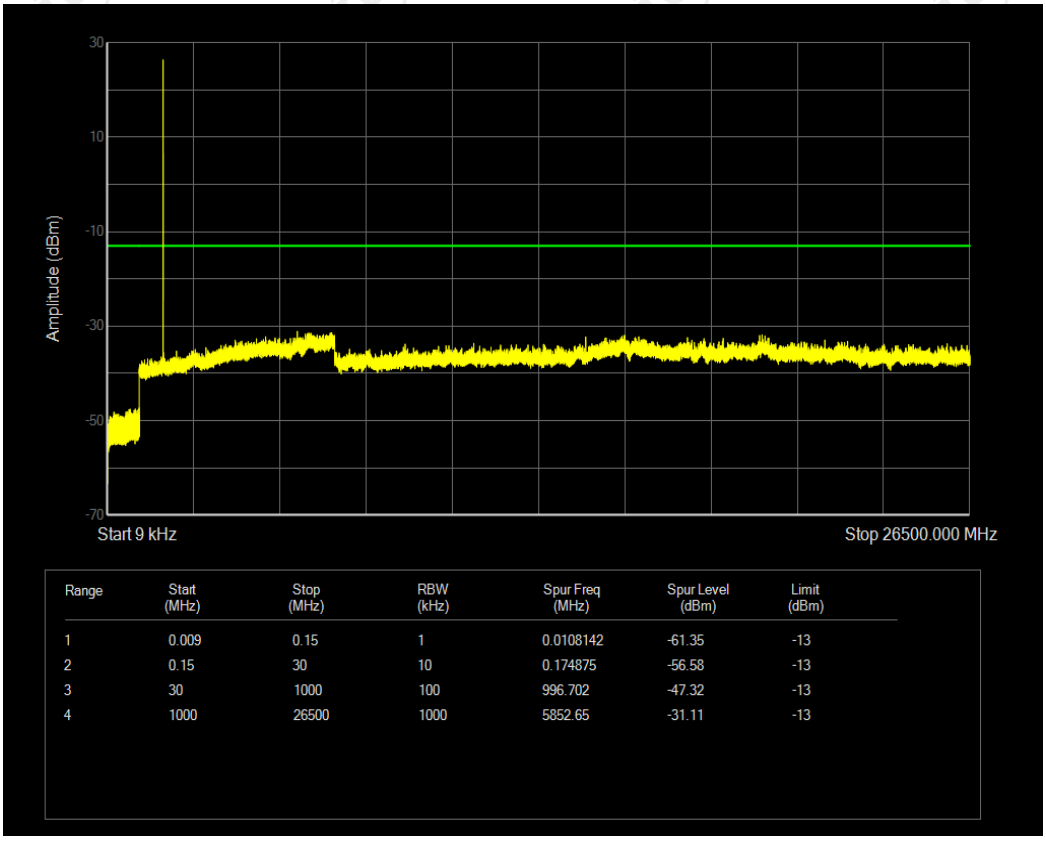
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0190345	-60.7	-13
2	0.15	30	10	0.15	-56.13	-13
3	30	1000	100	999.870666666667	-46.98	-13
4	1000	26500	1000	6941.5	-30.51	-13

Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



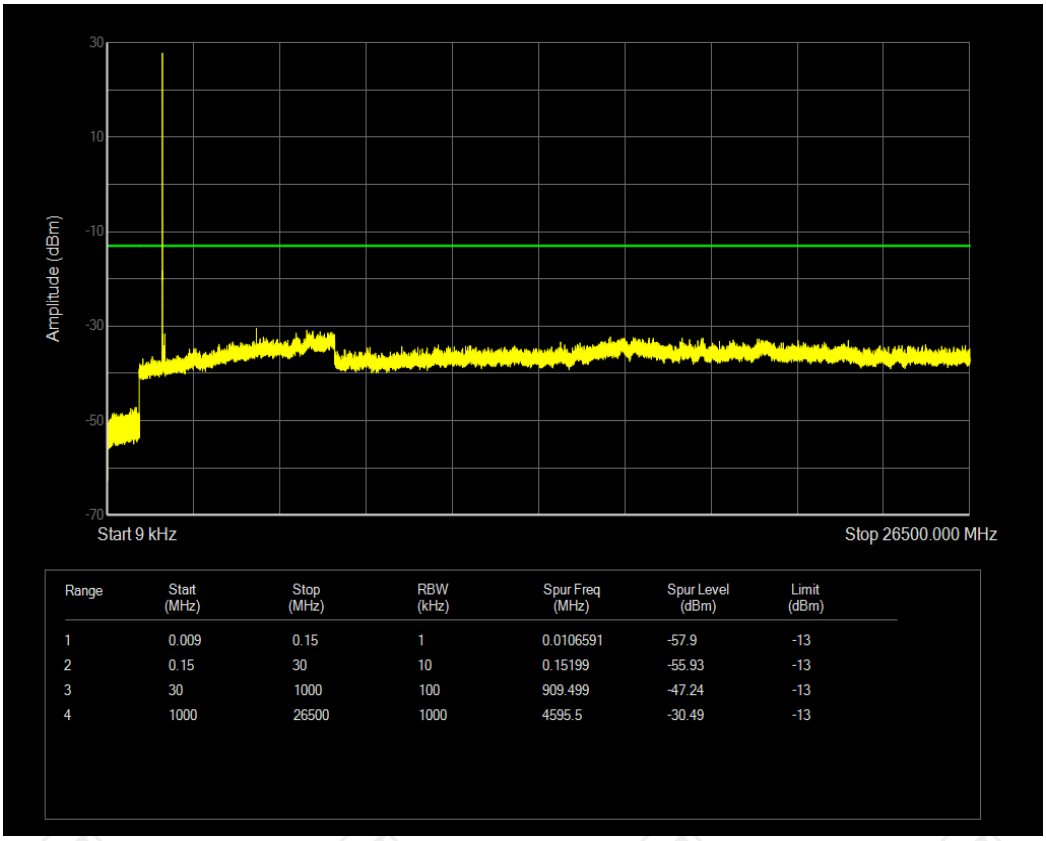
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0128446	-59.91	-13
2	0.15	30	10	0.15	-55.37	-13
3	30	1000	100	958.969	-47.2	-13
4	1000	26500	1000	6185.85	-30.97	-13

Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



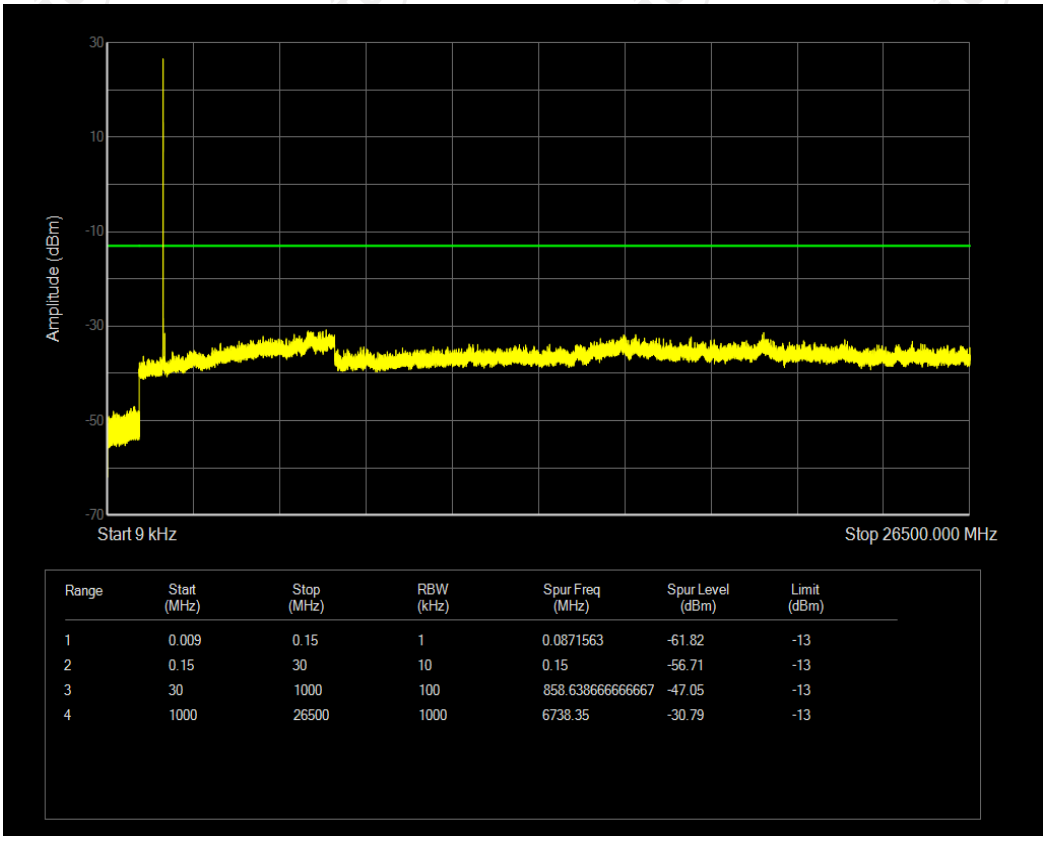
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0108142	-61.35	-13
2	0.15	30	10	0.174875	-56.58	-13
3	30	1000	100	996.702	-47.32	-13
4	1000	26500	1000	5852.65	-31.11	-13

Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



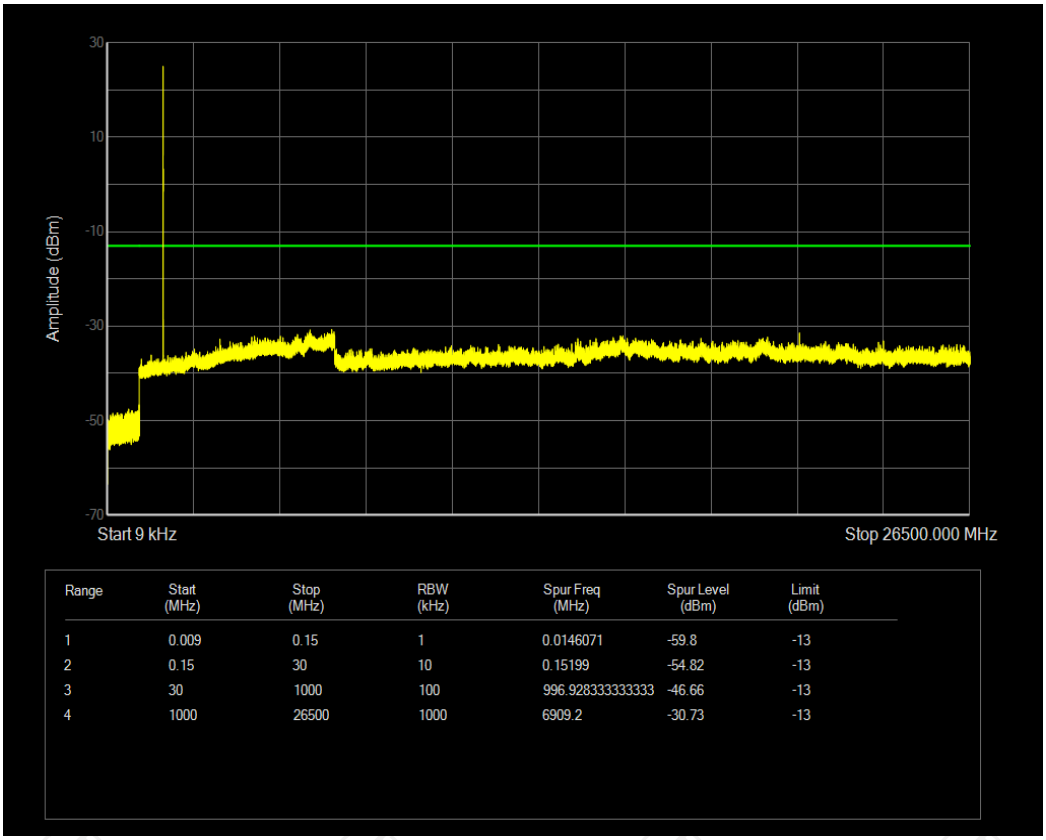
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0106591	-57.9	-13
2	0.15	30	10	0.15199	-55.93	-13
3	30	1000	100	909.499	-47.24	-13
4	1000	26500	1000	4595.5	-30.49	-13

Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



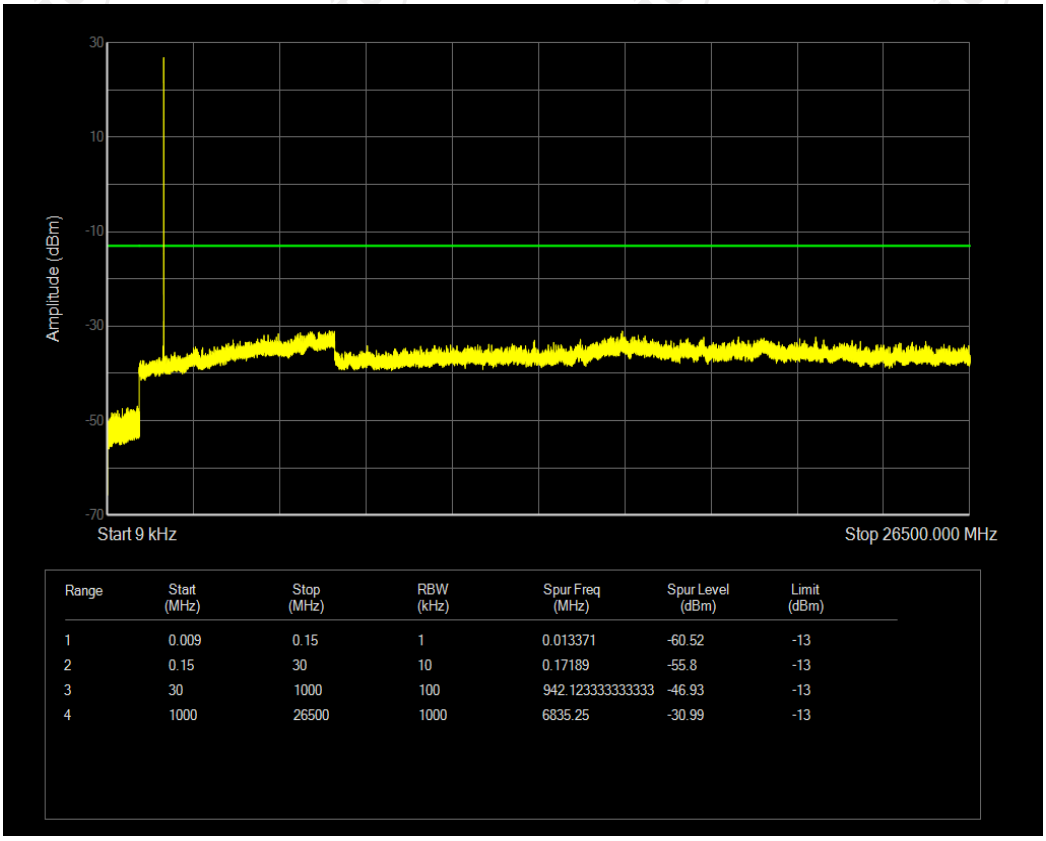
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0871563	-61.82	-13
2	0.15	30	10	0.15	-56.71	-13
3	30	1000	100	858.638666666667	-47.05	-13
4	1000	26500	1000	6738.35	-30.79	-13

Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



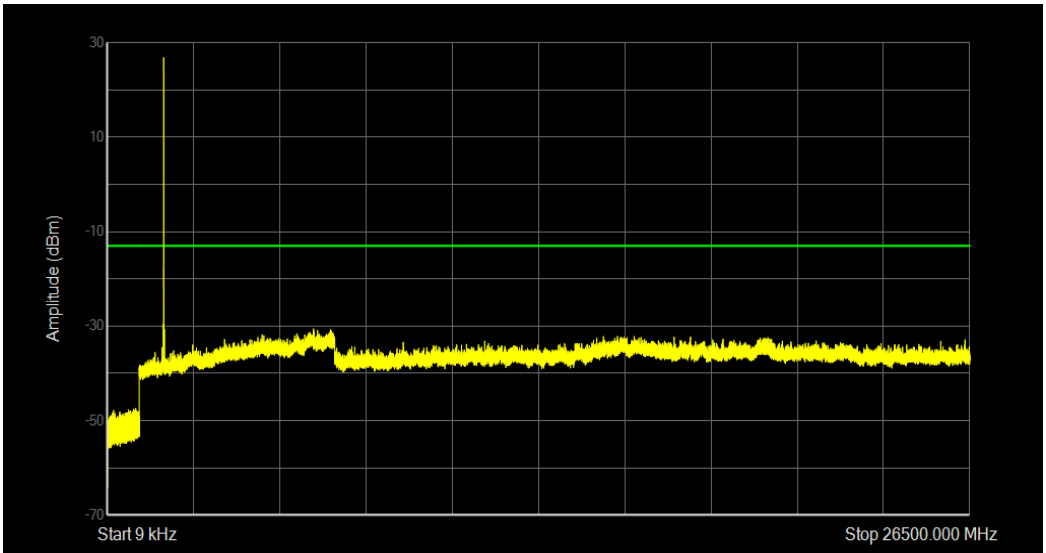
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0146071	-59.8	-13
2	0.15	30	10	0.15199	-54.82	-13
3	30	1000	100	996.928333333333	-46.66	-13
4	1000	26500	1000	6909.2	-30.73	-13

Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



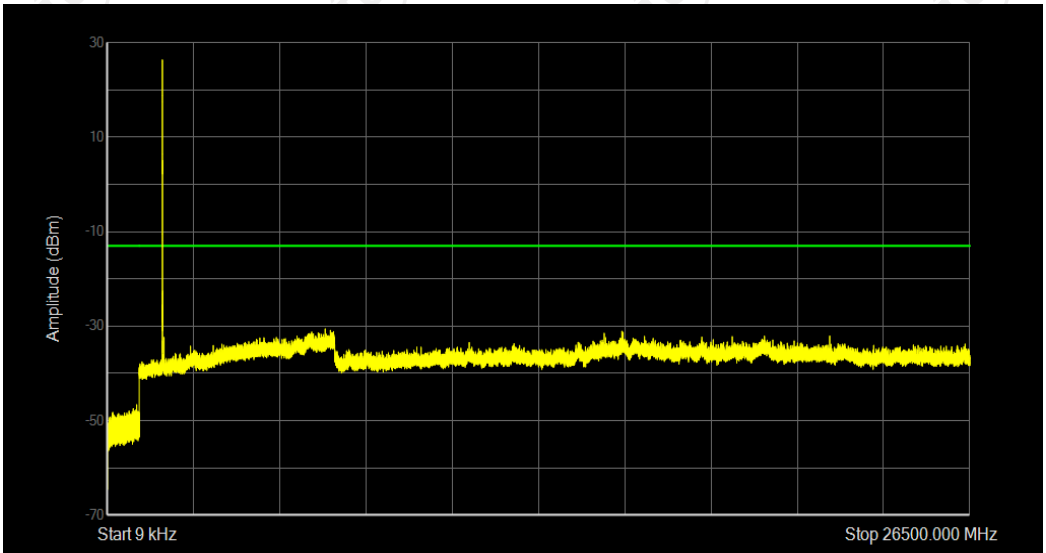
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013371	-60.52	-13
2	0.15	30	10	0.17189	-55.8	-13
3	30	1000	100	942.123333333333	-46.93	-13
4	1000	26500	1000	6835.25	-30.99	-13

Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



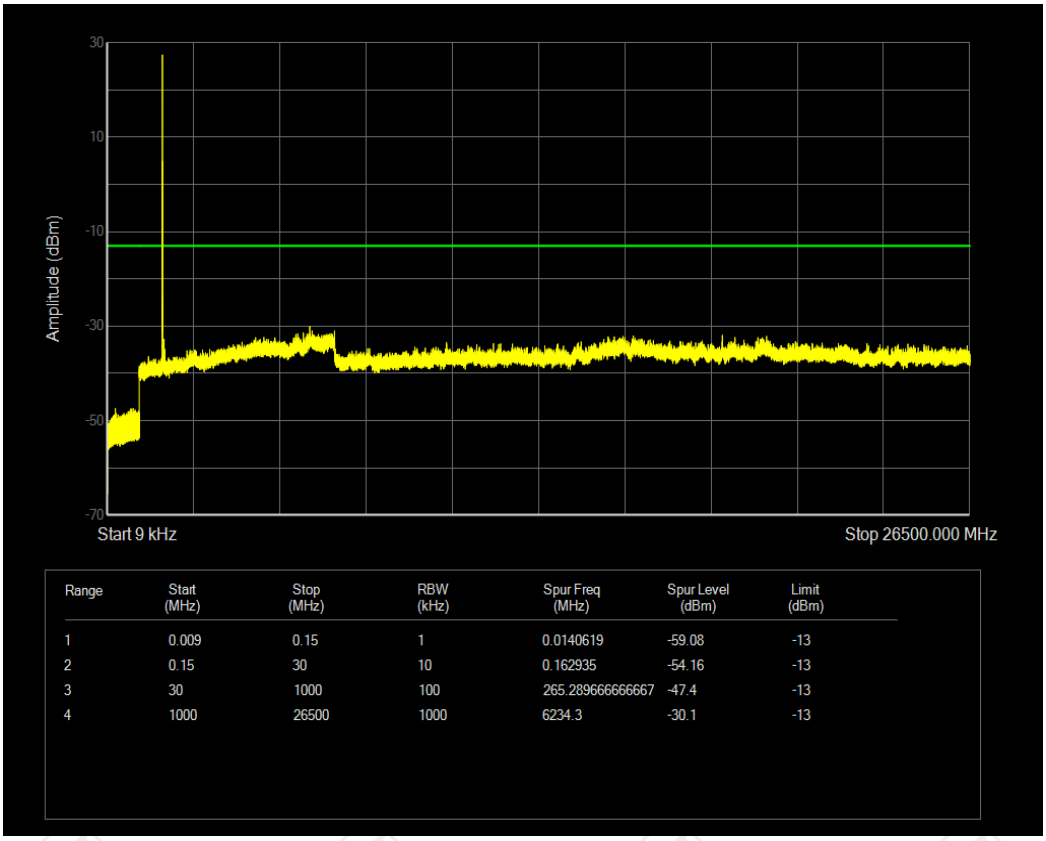
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110727	-59.57	-13
2	0.15	30	10	0.15	-55.43	-13
3	30	1000	100	889.161333333333	-47.39	-13
4	1000	26500	1000	6349.9	-30.57	-13

Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



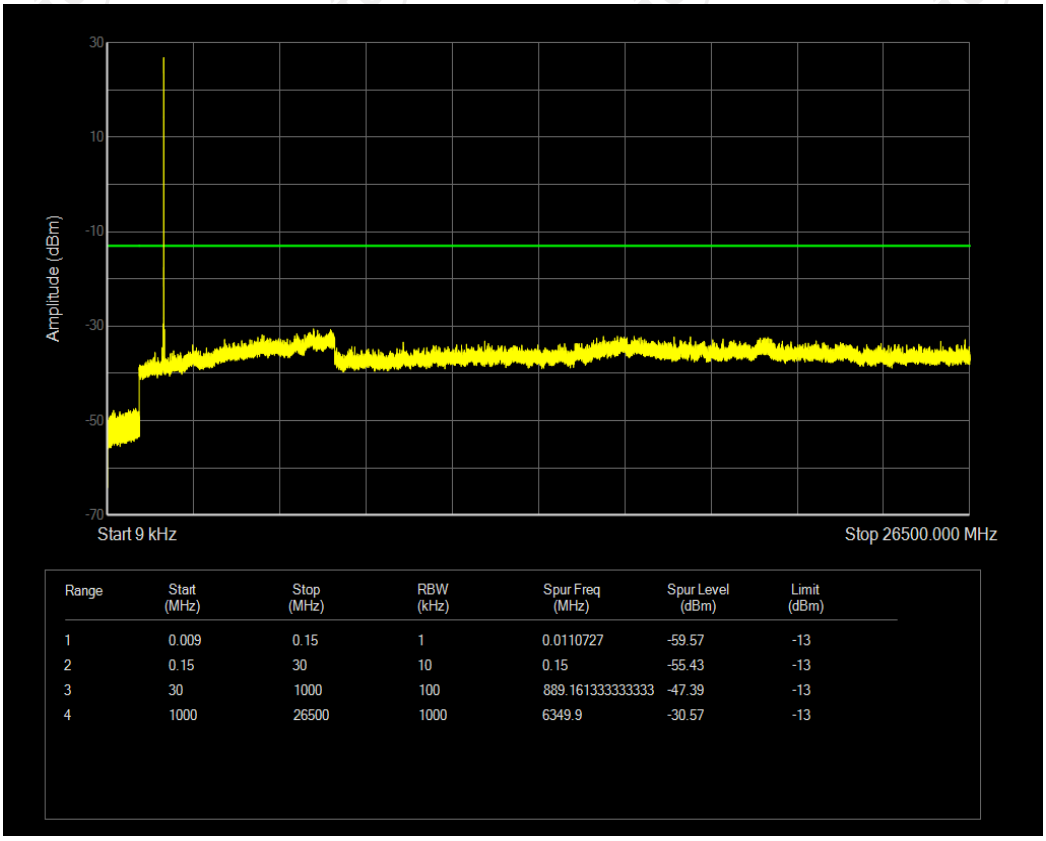
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0449691	-60.15	-13
2	0.15	30	10	0.15	-54.8	-13
3	30	1000	100	921.009666666667	-46.63	-13
4	1000	26500	1000	6710.3	-30.58	-13

Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



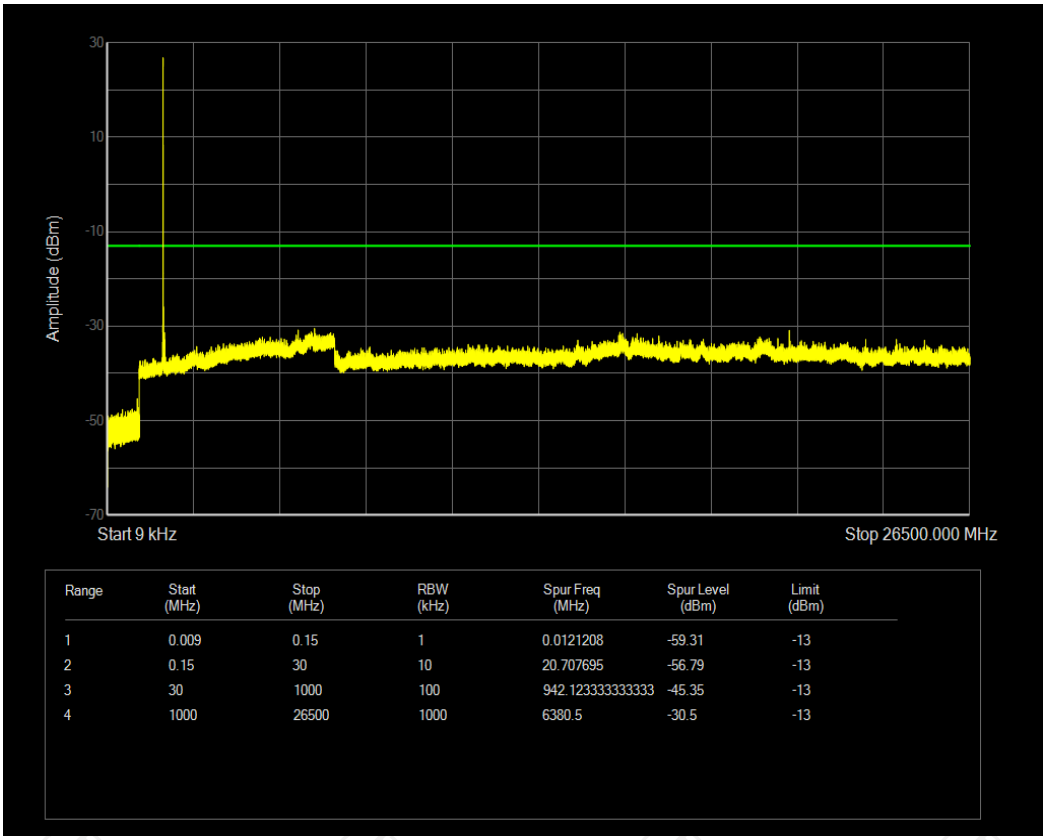
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0140619	-59.08	-13
2	0.15	30	10	0.162935	-54.16	-13
3	30	1000	100	265.289666666667	-47.4	-13
4	1000	26500	1000	6234.3	-30.1	-13

Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



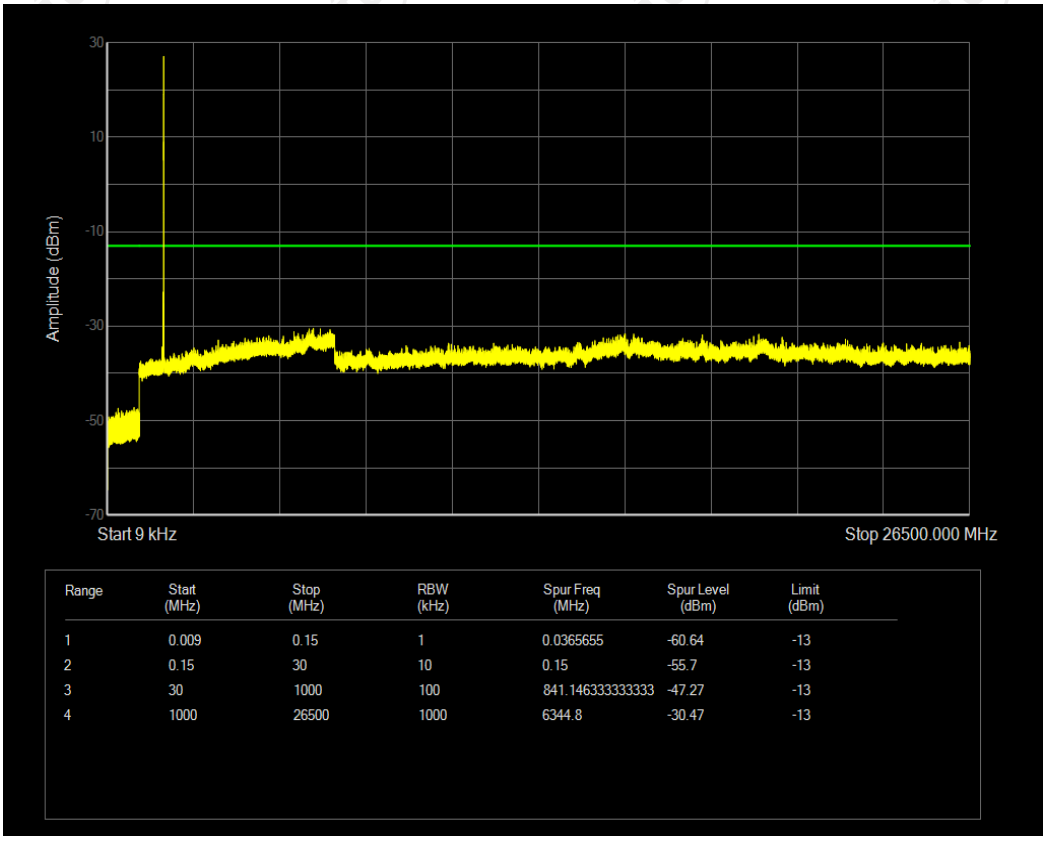
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110727	-59.57	-13
2	0.15	30	10	0.15	-55.43	-13
3	30	1000	100	889.161333333333	-47.39	-13
4	1000	26500	1000	6349.9	-30.57	-13

Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



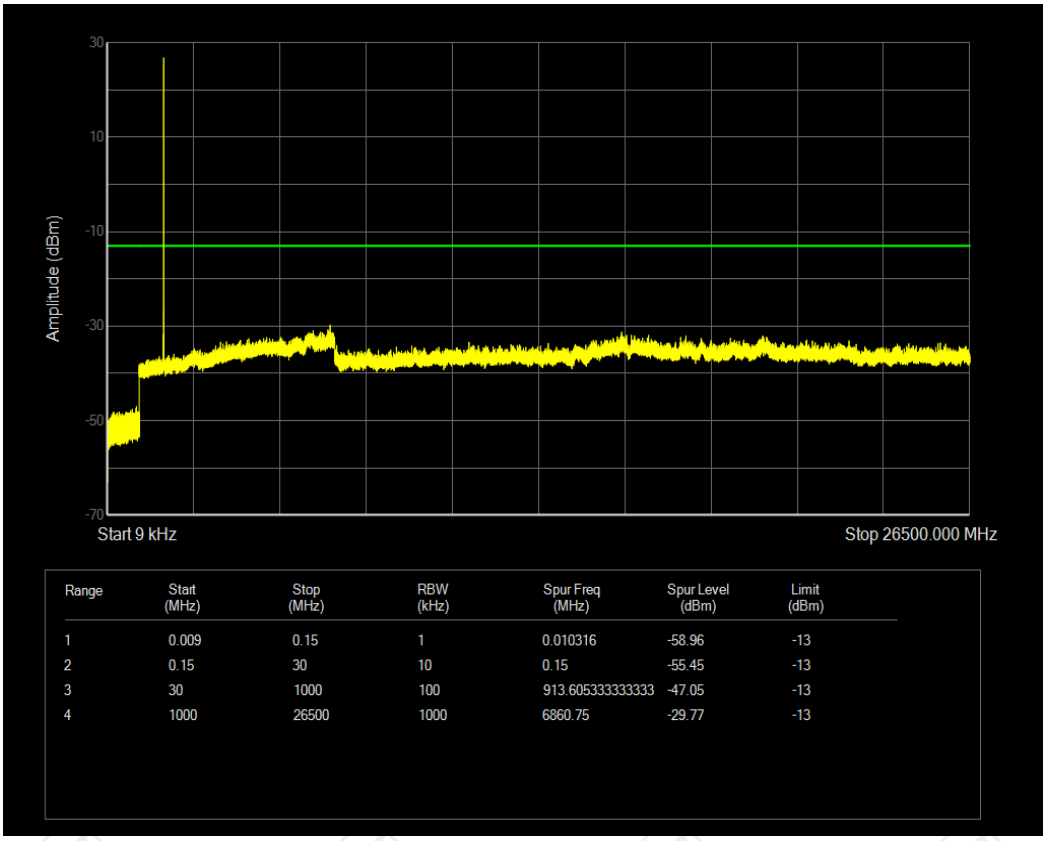
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0121208	-59.31	-13
2	0.15	30	10	20.707695	-56.79	-13
3	30	1000	100	942.123333333333	-45.35	-13
4	1000	26500	1000	6380.5	-30.5	-13

Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



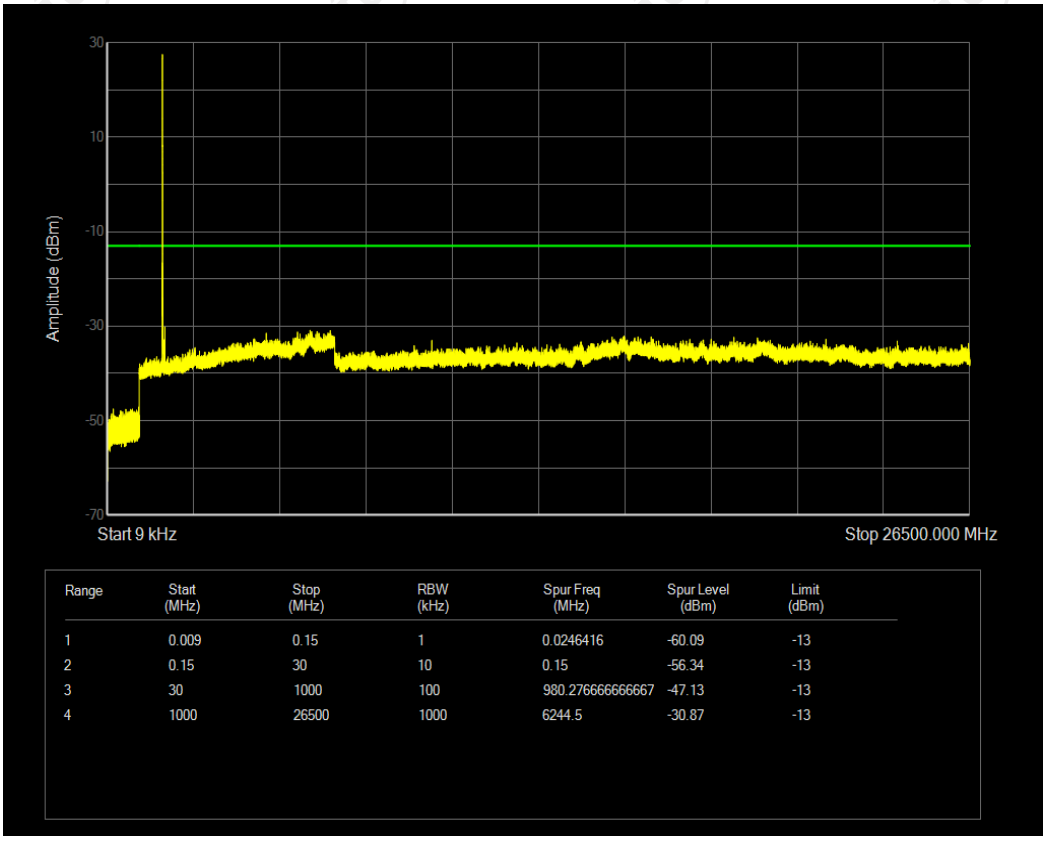
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0365655	-60.64	-13
2	0.15	30	10	0.15	-55.7	-13
3	30	1000	100	841.146333333333	-47.27	-13
4	1000	26500	1000	6344.8	-30.47	-13

Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



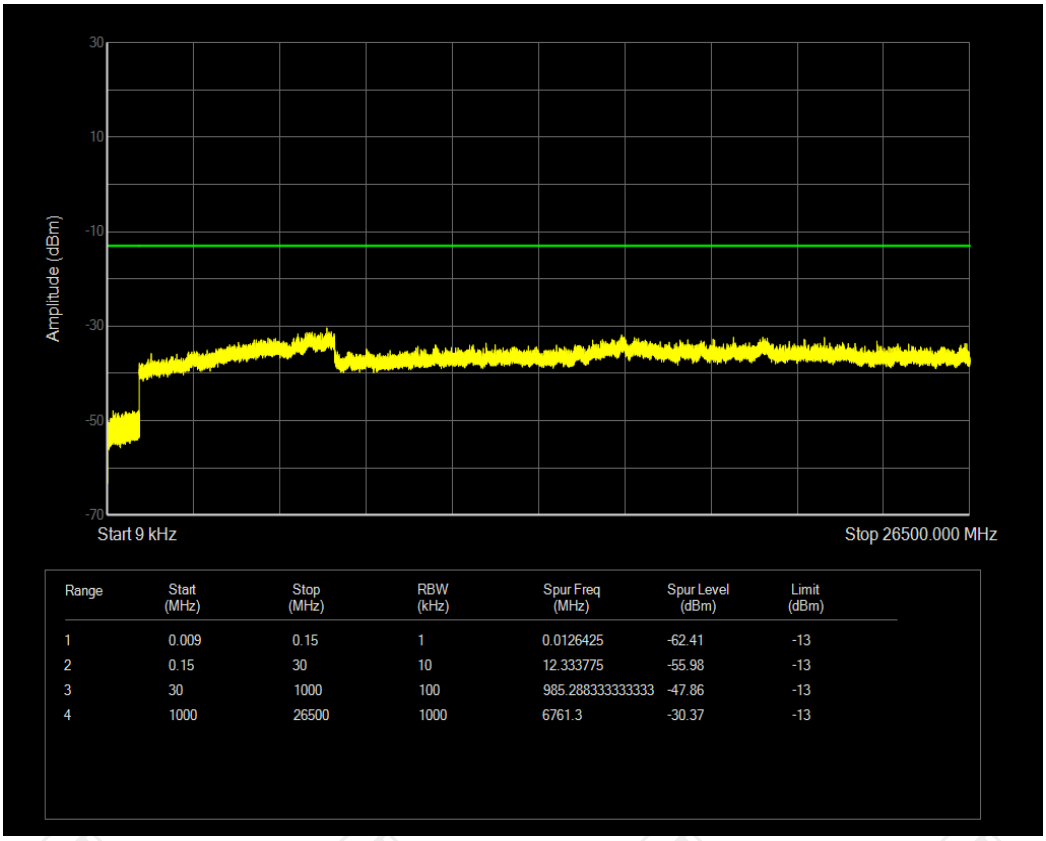
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010316	-58.96	-13
2	0.15	30	10	0.15	-55.45	-13
3	30	1000	100	913.605333333333	-47.05	-13
4	1000	26500	1000	6860.75	-29.77	-13

Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



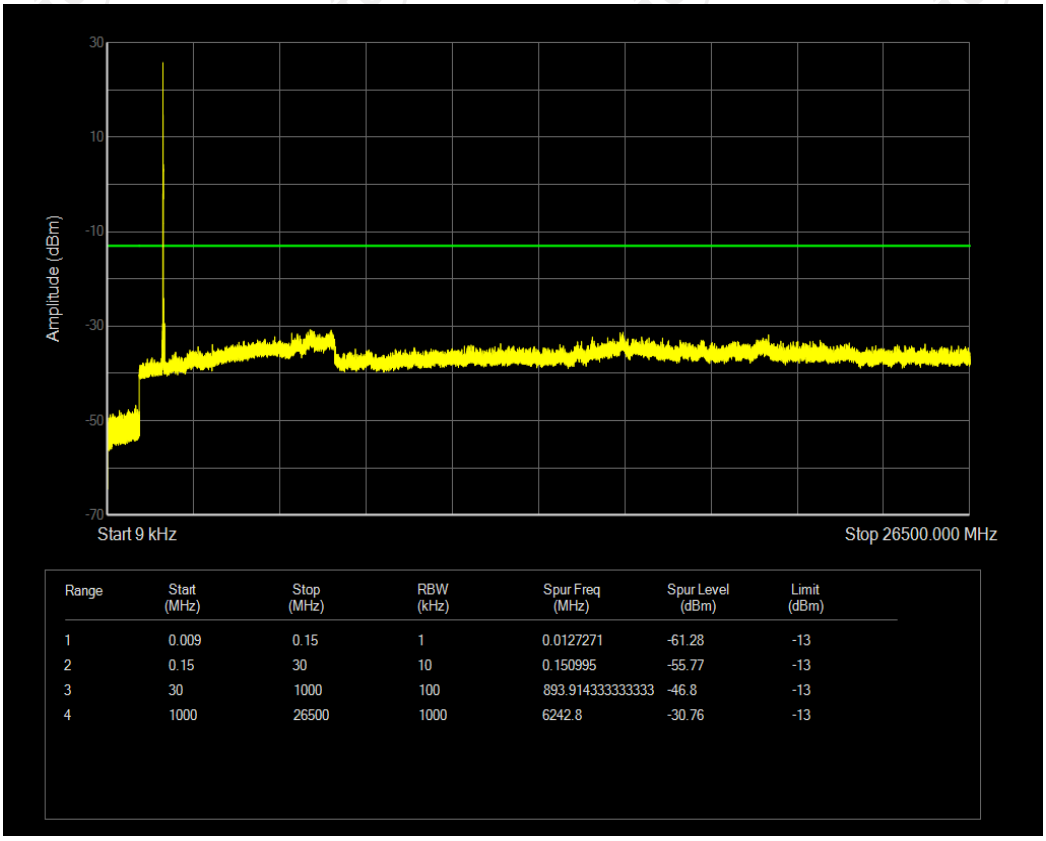
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0246416	-60.09	-13
2	0.15	30	10	0.15	-56.34	-13
3	30	1000	100	980.276666666667	-47.13	-13
4	1000	26500	1000	6244.5	-30.87	-13

Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



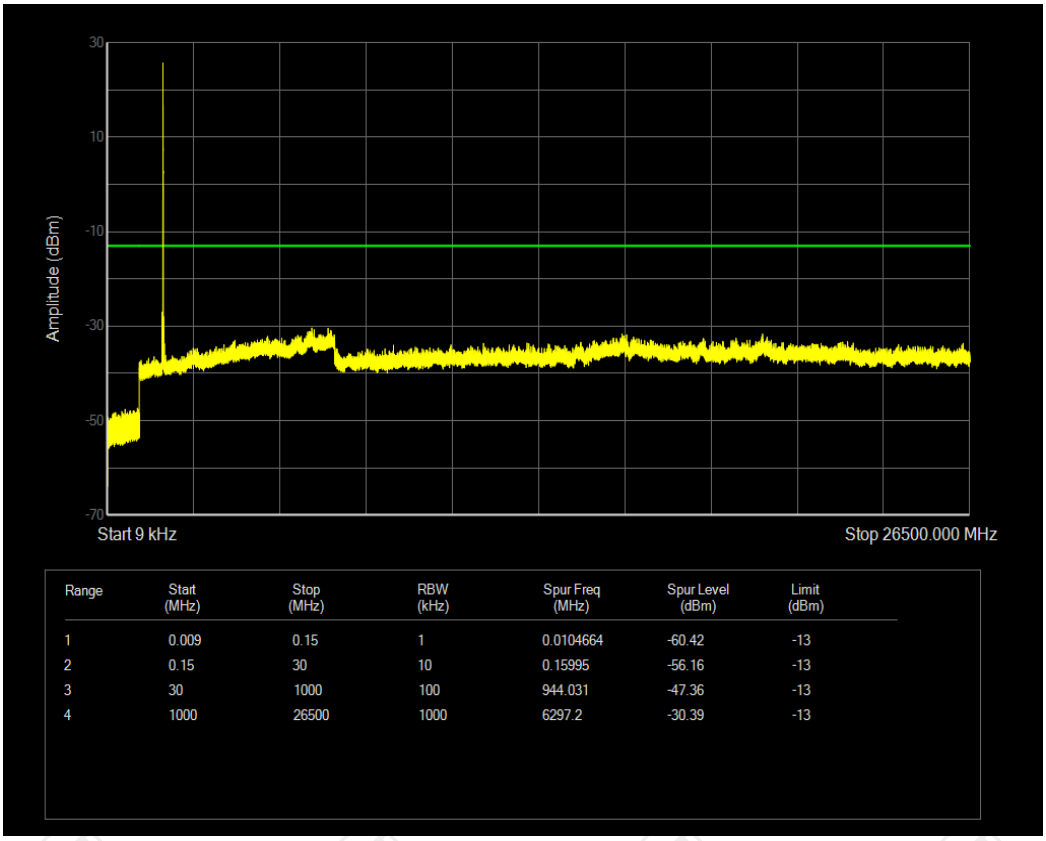
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0126425	-62.41	-13
2	0.15	30	10	12.333775	-55.98	-13
3	30	1000	100	985.288333333333	-47.86	-13
4	1000	26500	1000	6761.3	-30.37	-13

Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



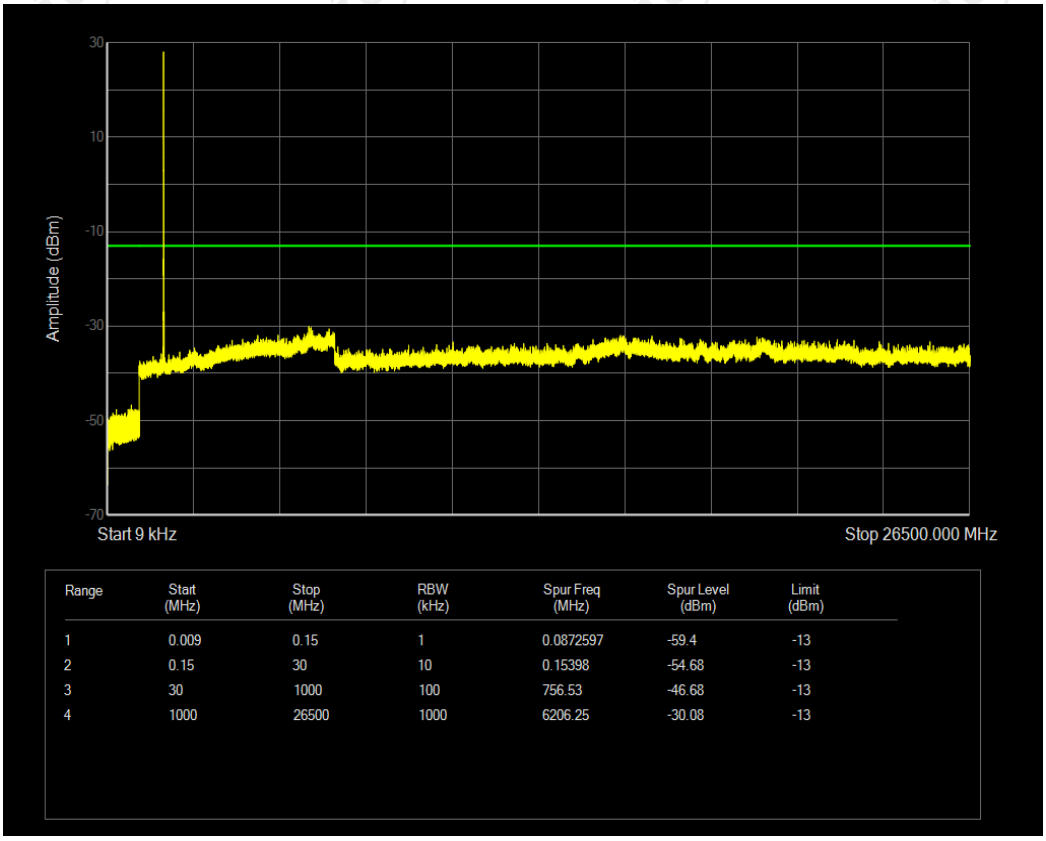
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0127271	-61.28	-13
2	0.15	30	10	0.150995	-55.77	-13
3	30	1000	100	893.914333333333	-46.8	-13
4	1000	26500	1000	6242.8	-30.76	-13

Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



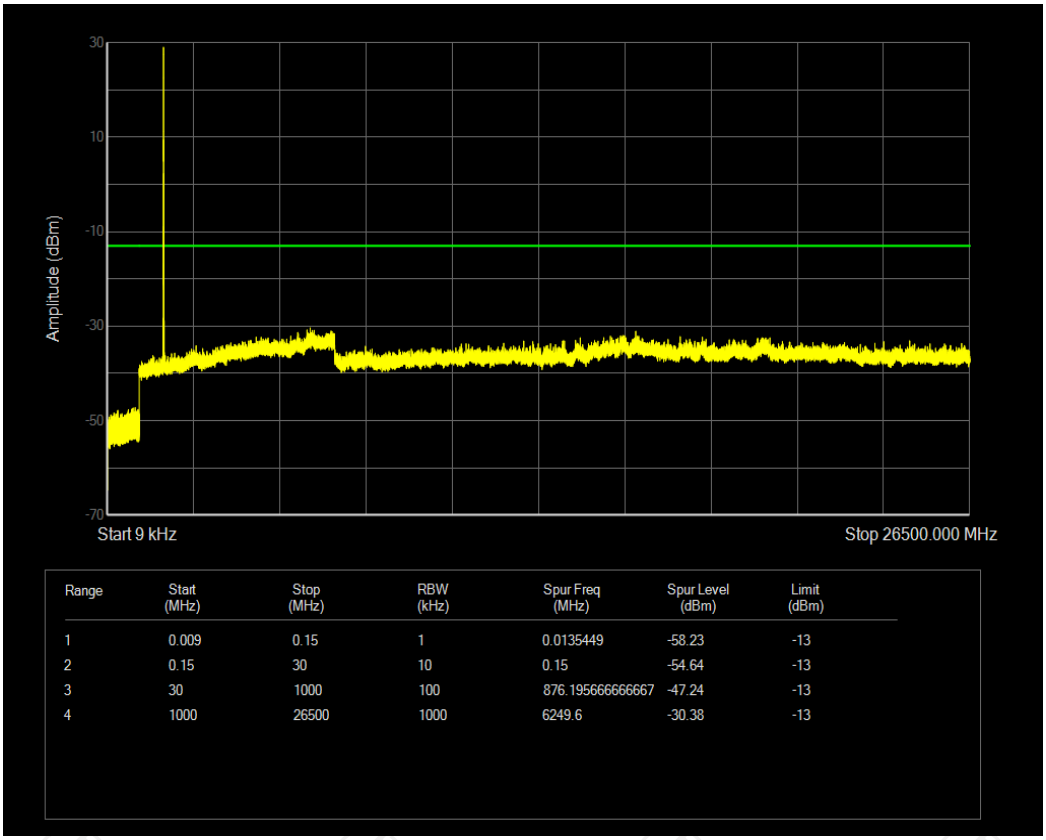
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104664	-60.42	-13
2	0.15	30	10	0.15995	-56.16	-13
3	30	1000	100	944.031	-47.36	-13
4	1000	26500	1000	6297.2	-30.39	-13

Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



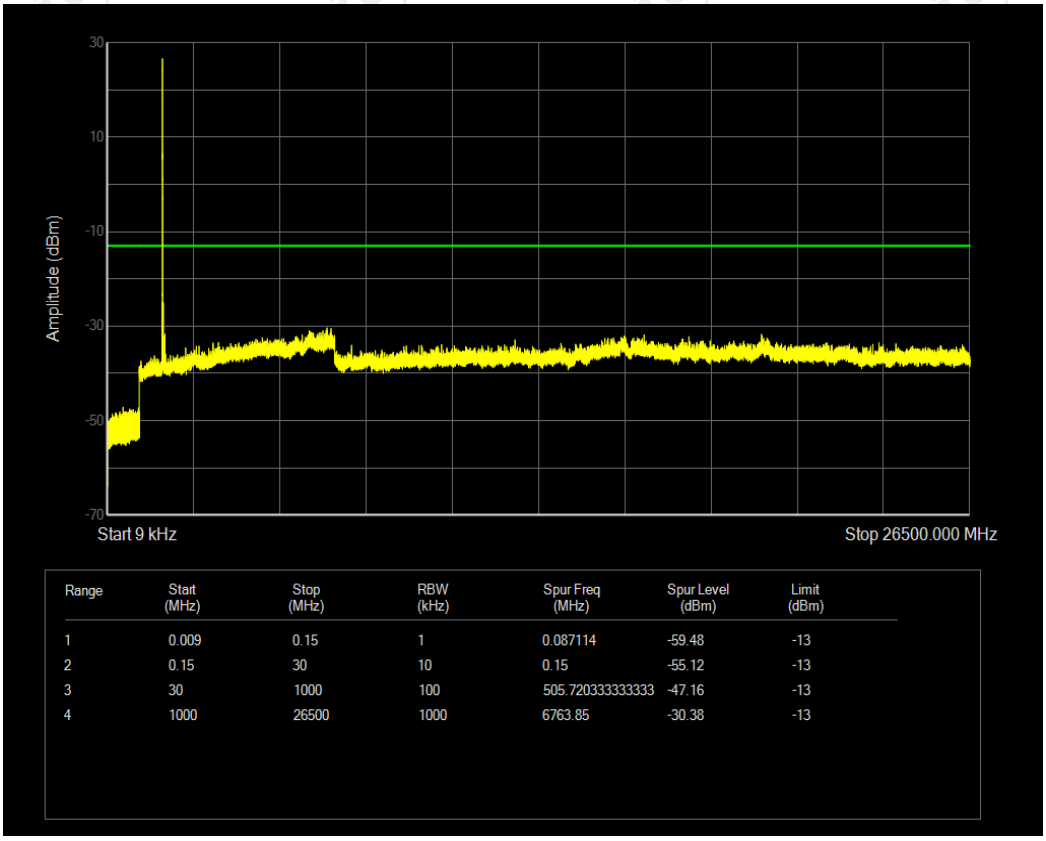
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0872597	-59.4	-13
2	0.15	30	10	0.15398	-54.68	-13
3	30	1000	100	756.53	-46.68	-13
4	1000	26500	1000	6206.25	-30.08	-13

Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



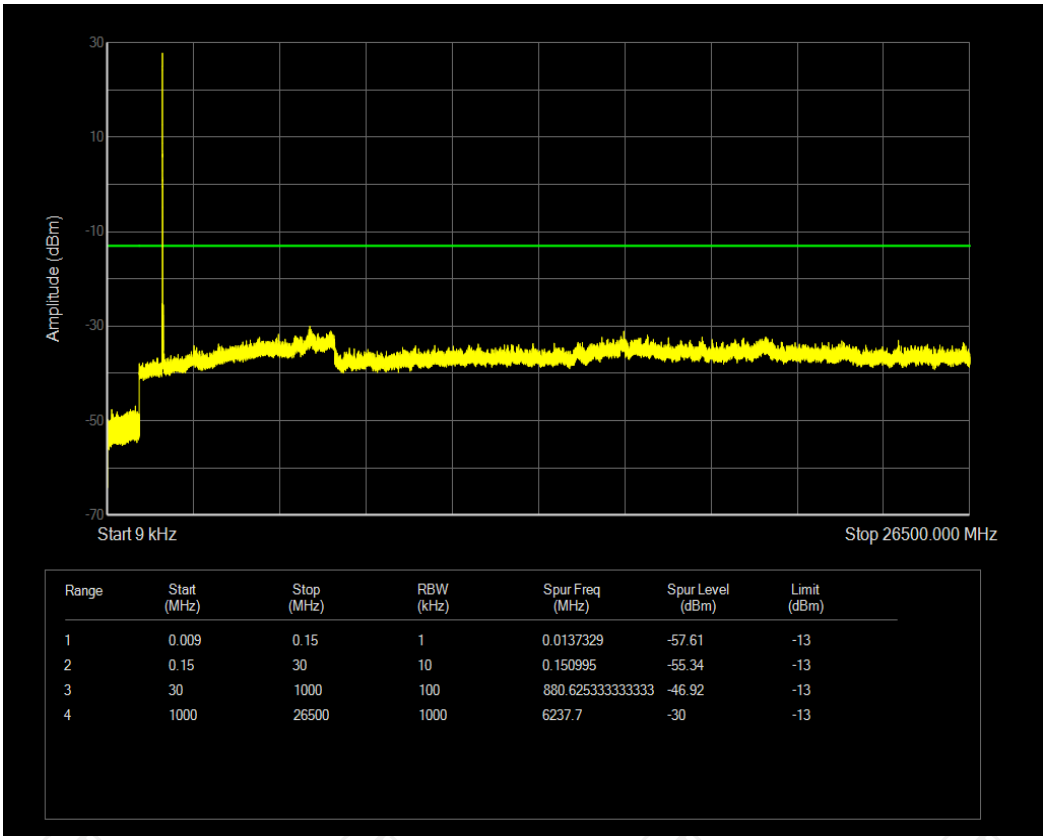
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0135449	-58.23	-13
2	0.15	30	10	0.15	-54.64	-13
3	30	1000	100	876.195666666667	-47.24	-13
4	1000	26500	1000	6249.6	-30.38	-13

Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



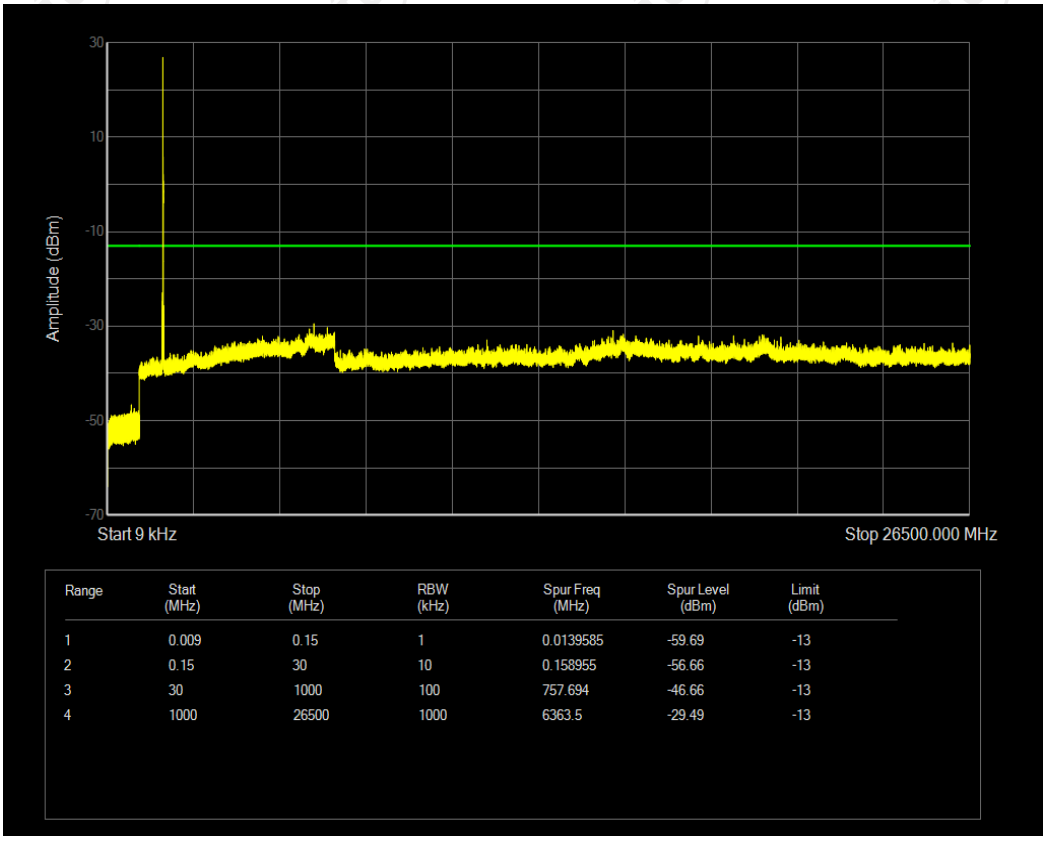
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.087114	-59.48	-13
2	0.15	30	10	0.15	-55.12	-13
3	30	1000	100	505.720333333333	-47.16	-13
4	1000	26500	1000	6763.85	-30.38	-13

Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



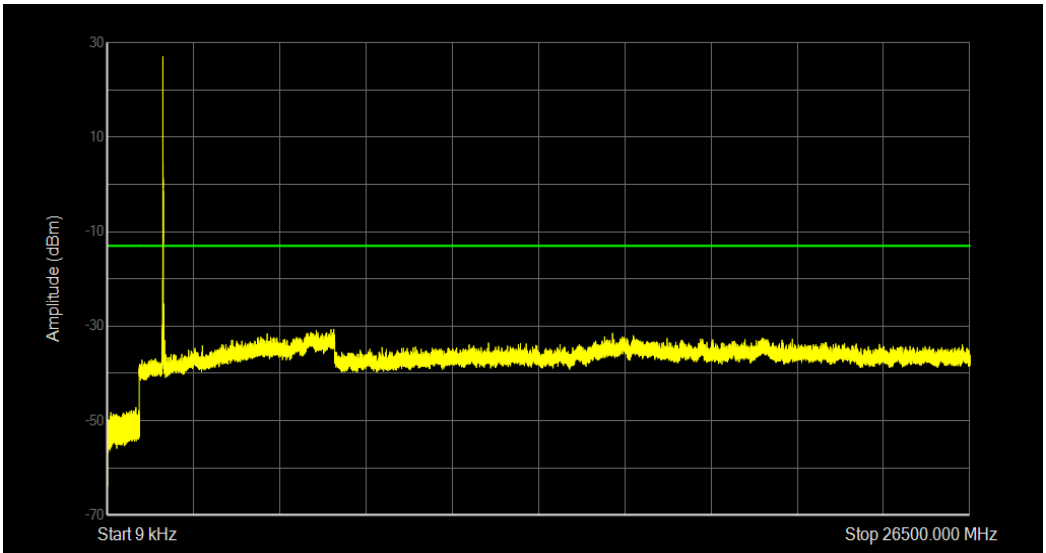
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0137329	-57.61	-13
2	0.15	30	10	0.150995	-55.34	-13
3	30	1000	100	880.625333333333	-46.92	-13
4	1000	26500	1000	6237.7	-30	-13

Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



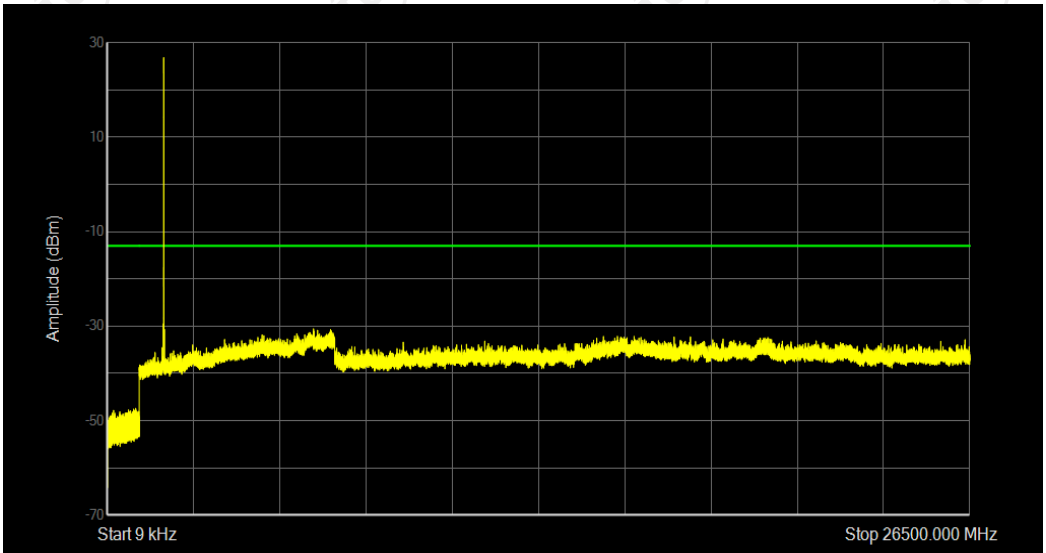
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0139585	-59.69	-13
2	0.15	30	10	0.158955	-56.66	-13
3	30	1000	100	757.694	-46.66	-13
4	1000	26500	1000	6363.5	-29.49	-13

Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



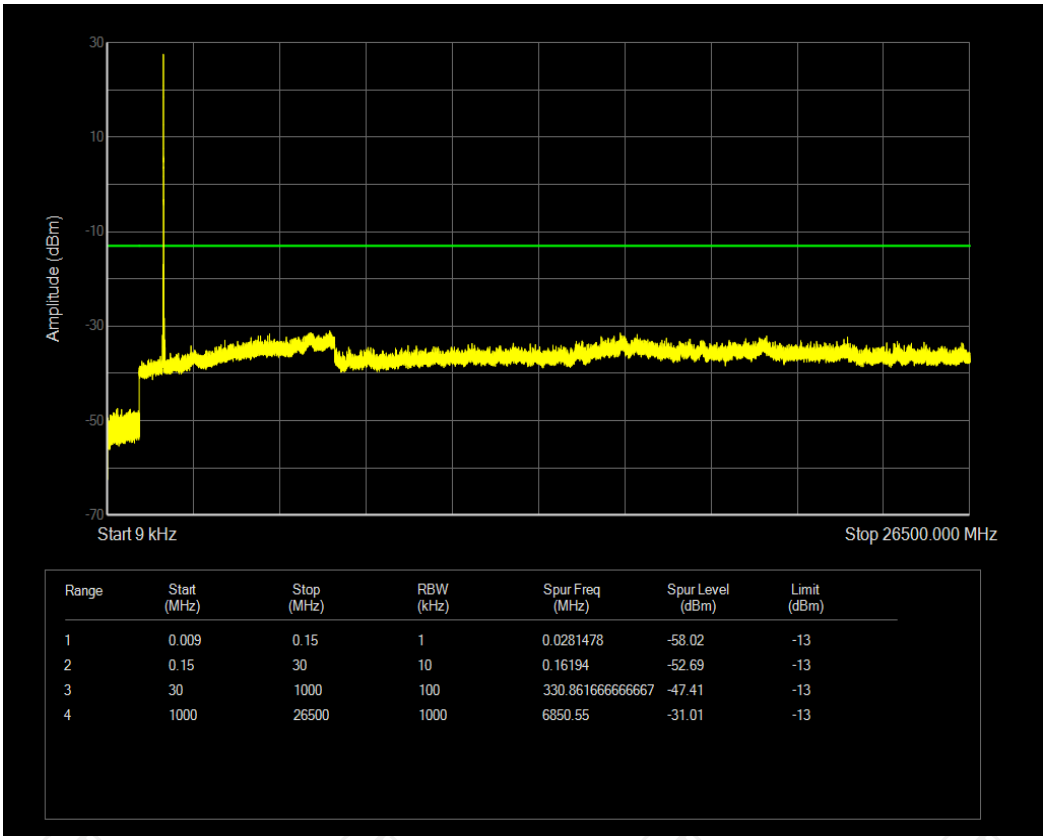
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-60.74	-13
2	0.15	30	10	0.15	-54.55	-13
3	30	1000	100	899.605	-47.21	-13
4	1000	26500	1000	6972.1	-30.66	-13

Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



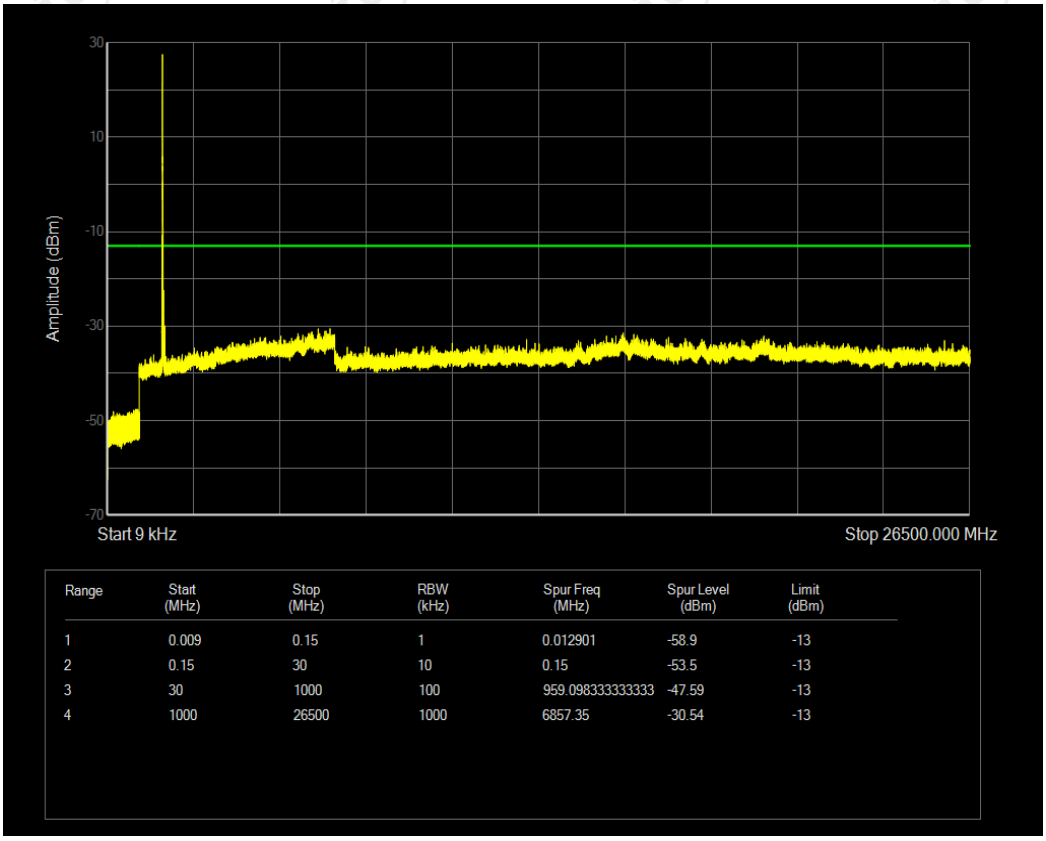
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110727	-59.57	-13
2	0.15	30	10	0.15	-55.43	-13
3	30	1000	100	889.161333333333	-47.39	-13
4	1000	26500	1000	6349.9	-30.57	-13

Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



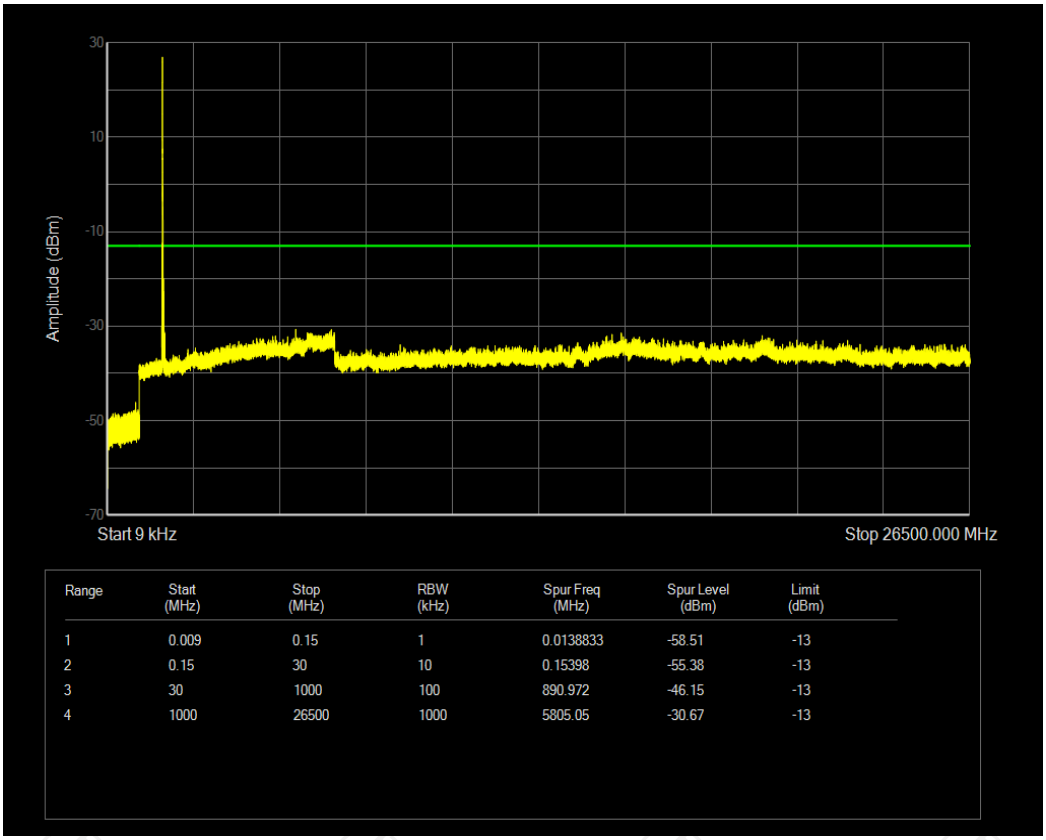
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0281478	-58.02	-13
2	0.15	30	10	0.16194	-52.69	-13
3	30	1000	100	330.861666666667	-47.41	-13
4	1000	26500	1000	6850.55	-31.01	-13

Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



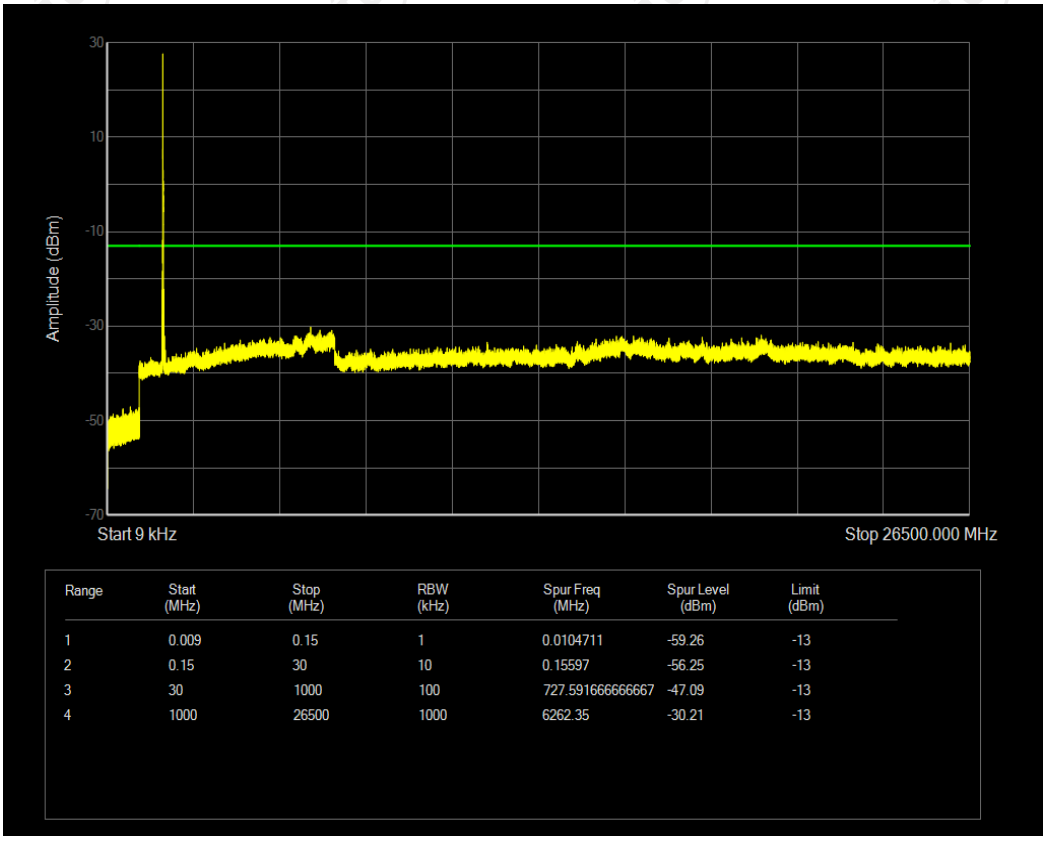
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012901	-58.9	-13
2	0.15	30	10	0.15	-53.5	-13
3	30	1000	100	959.098333333333	-47.59	-13
4	1000	26500	1000	6857.35	-30.54	-13

Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



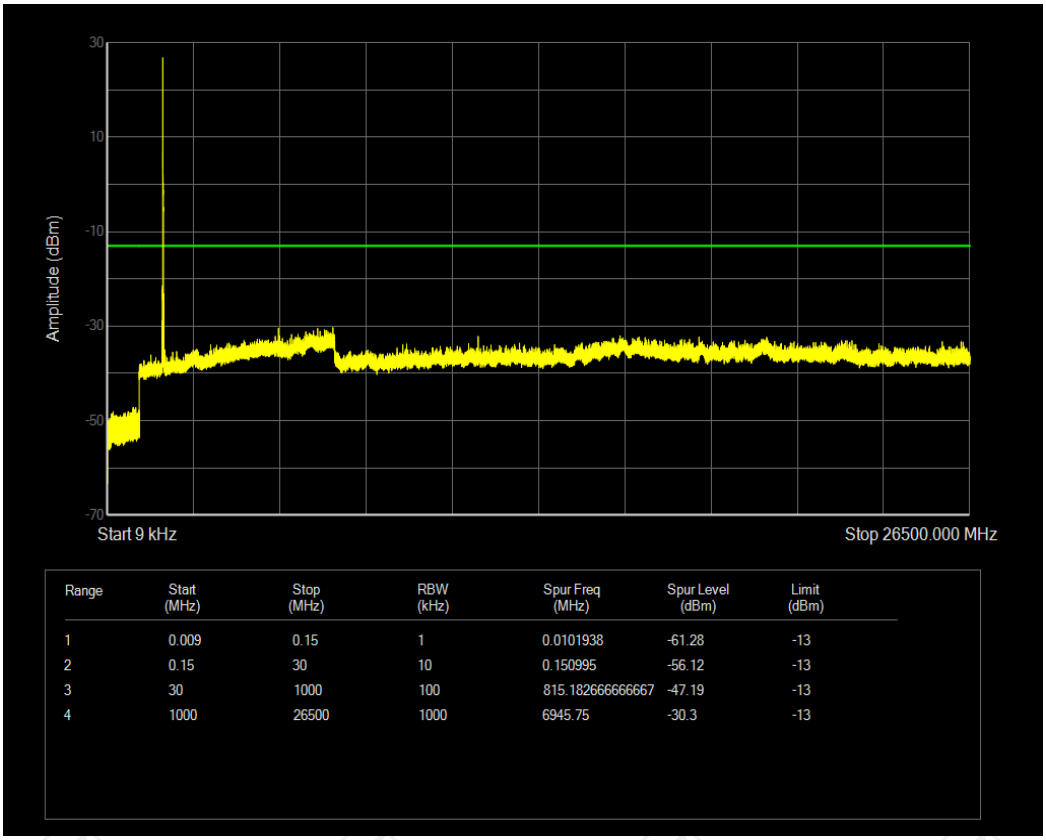
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0138833	-58.51	-13
2	0.15	30	10	0.15398	-55.38	-13
3	30	1000	100	890.972	-46.15	-13
4	1000	26500	1000	5805.05	-30.67	-13

Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



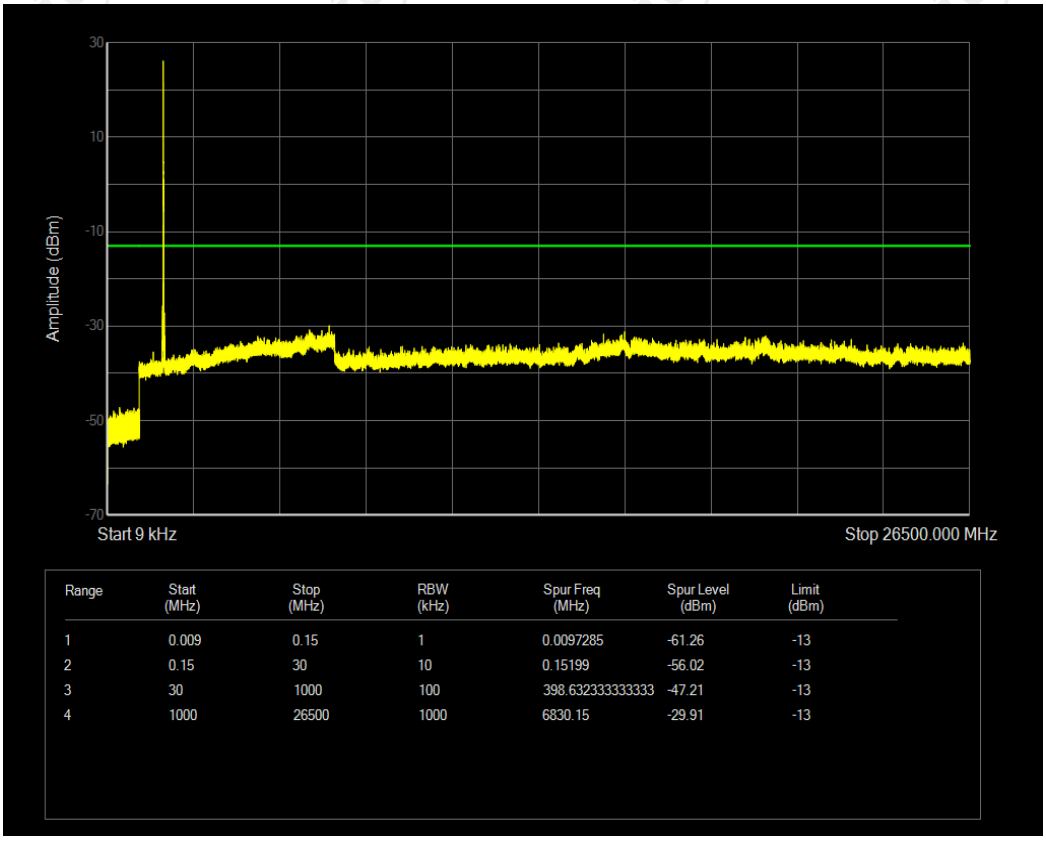
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104711	-59.26	-13
2	0.15	30	10	0.15597	-56.25	-13
3	30	1000	100	727.591666666667	-47.09	-13
4	1000	26500	1000	6262.35	-30.21	-13

Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



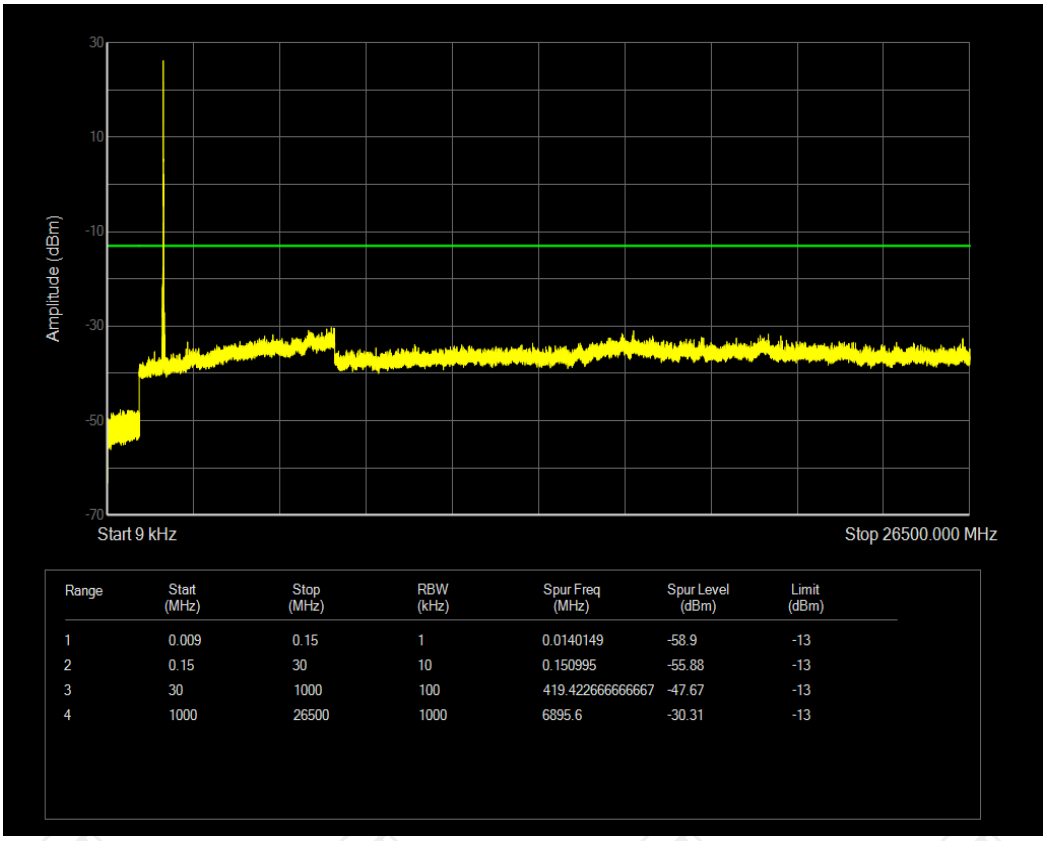
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0101938	-61.28	-13
2	0.15	30	10	0.150995	-56.12	-13
3	30	1000	100	815.182666666667	-47.19	-13
4	1000	26500	1000	6945.75	-30.3	-13

Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0097285	-61.26	-13
2	0.15	30	10	0.15199	-56.02	-13
3	30	1000	100	398.632333333333	-47.21	-13
4	1000	26500	1000	6830.15	-29.91	-13

Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0140149	-58.9	-13
2	0.15	30	10	0.150995	-55.88	-13
3	30	1000	100	419.422666666667	-47.67	-13
4	1000	26500	1000	6895.6	-30.31	-13