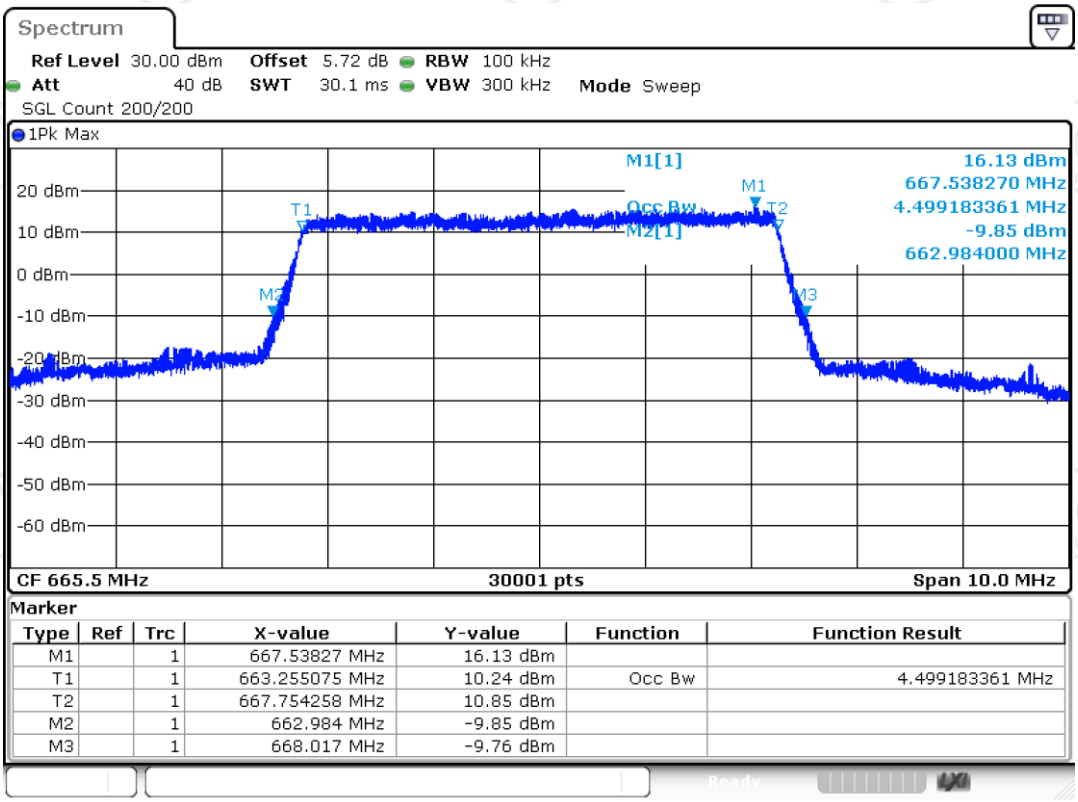
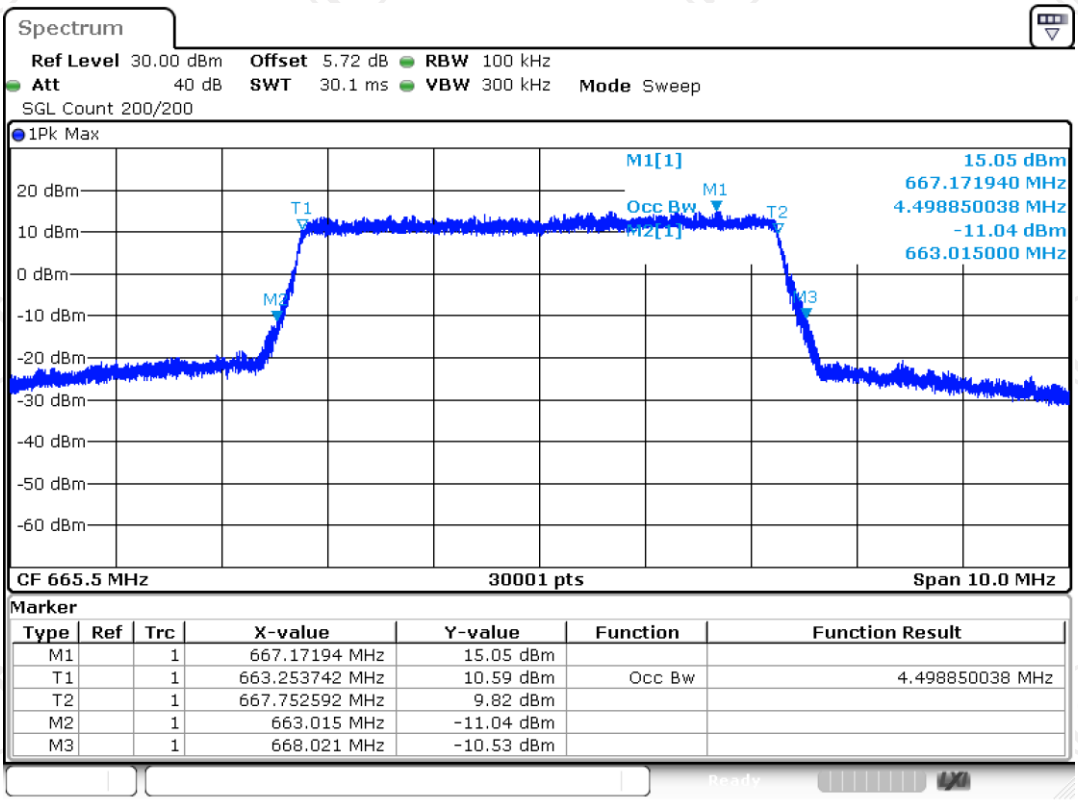
Band71 QPSK BW=5MHz Channel=133147 RB Size=25 Position=#0



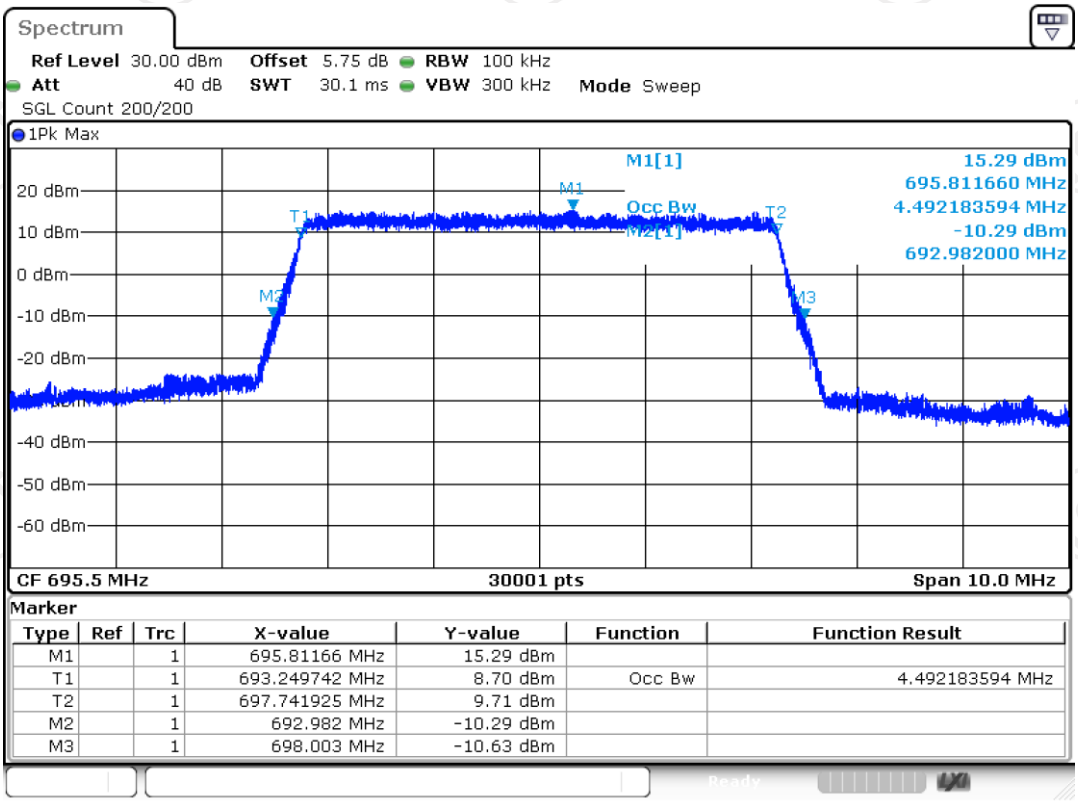
Date: 9.JUN.2023 17:34:53

Band71 16QAM BW=5MHz Channel=133147 RB Size=25 Position=#0



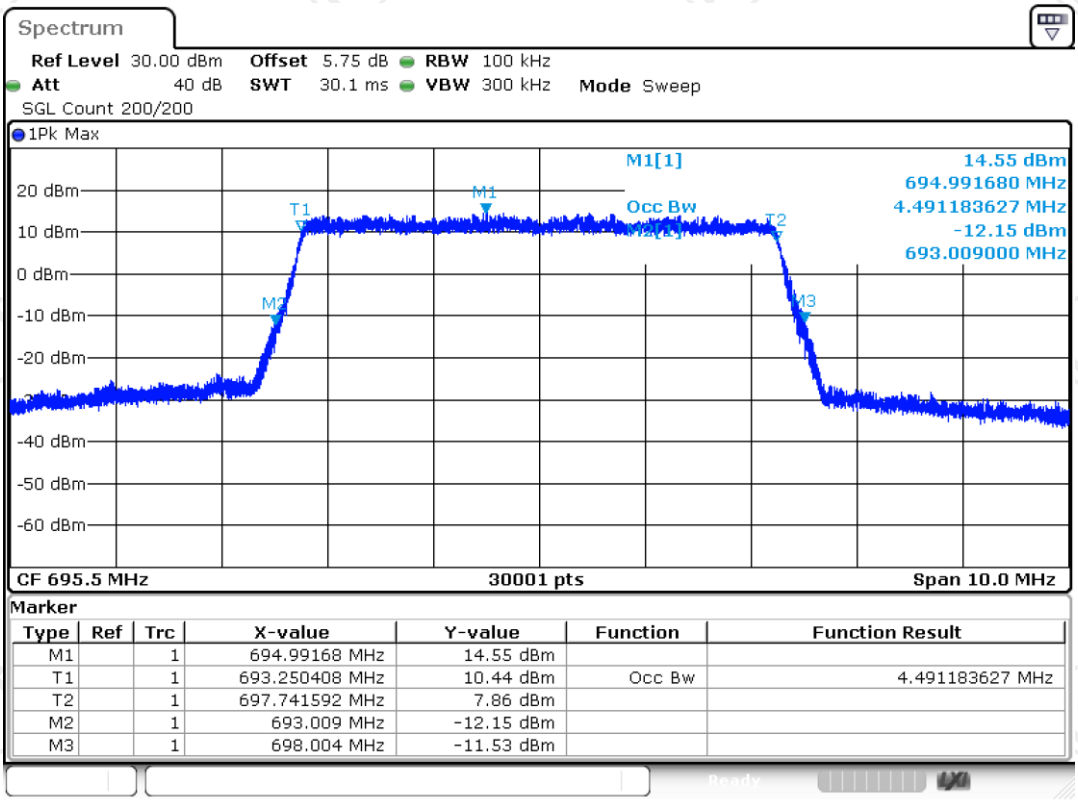
Date: 9.JUN.2023 17:35:10

Band71 QPSK BW=5MHz Channel=133447 RB Size=25 Position=#0



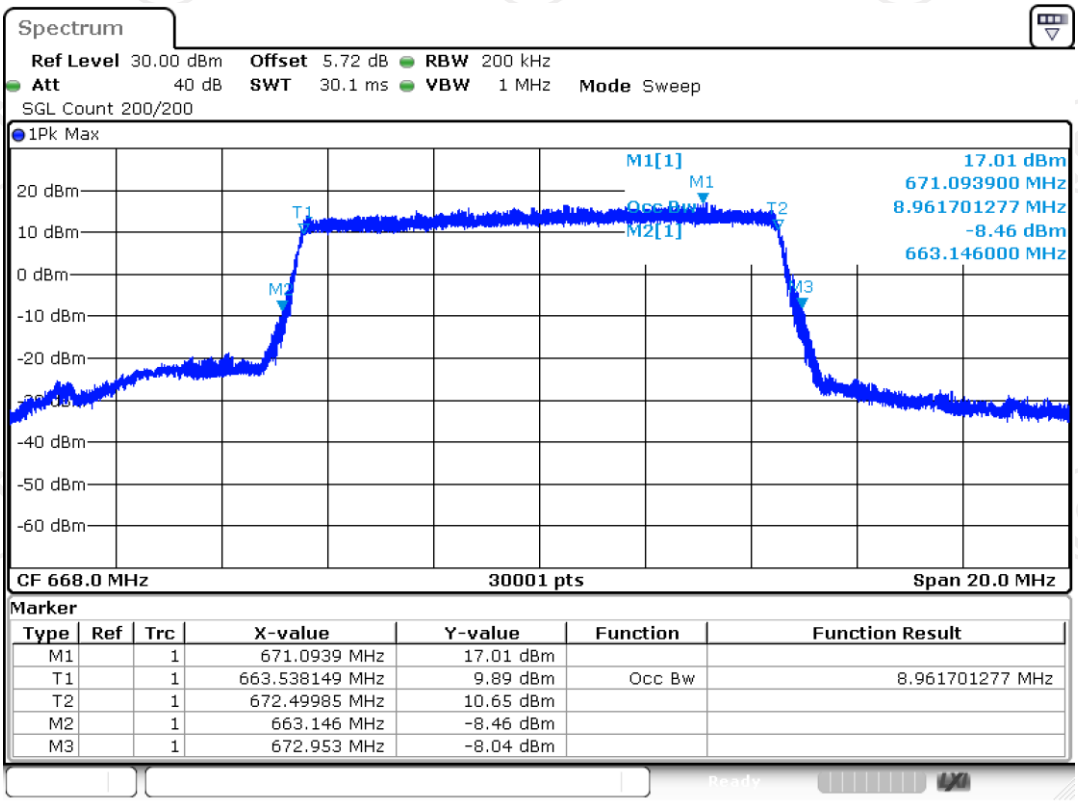
Date: 9.JUN.2023 17:36:03

Band71 16QAM BW=5MHz Channel=133447 RB Size=25 Position=#0



Date: 9.JUN.2023 17:36:21

Band71 QPSK BW=10MHz Channel=133172 RB Size=50 Position=#0

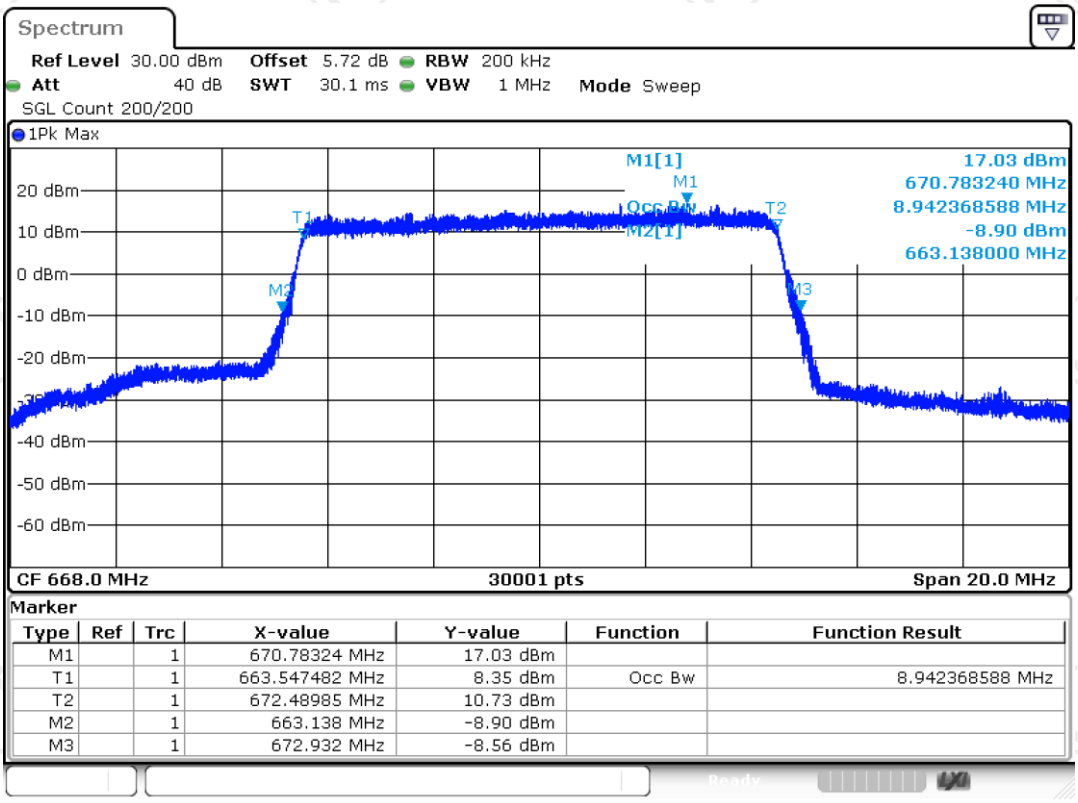


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	671.0939 MHz	17.01 dBm		
T1		1	663.538149 MHz	9.89 dBm	Occ Bw	8.961701277 MHz
T2		1	672.49985 MHz	10.65 dBm		
M2		1	663.146 MHz	-8.46 dBm		
M3		1	672.953 MHz	-8.04 dBm		

Date: 9.JUN.2023 17:36:40

Band71 16QAM BW=10MHz Channel=133172 RB Size=50 Position=#0

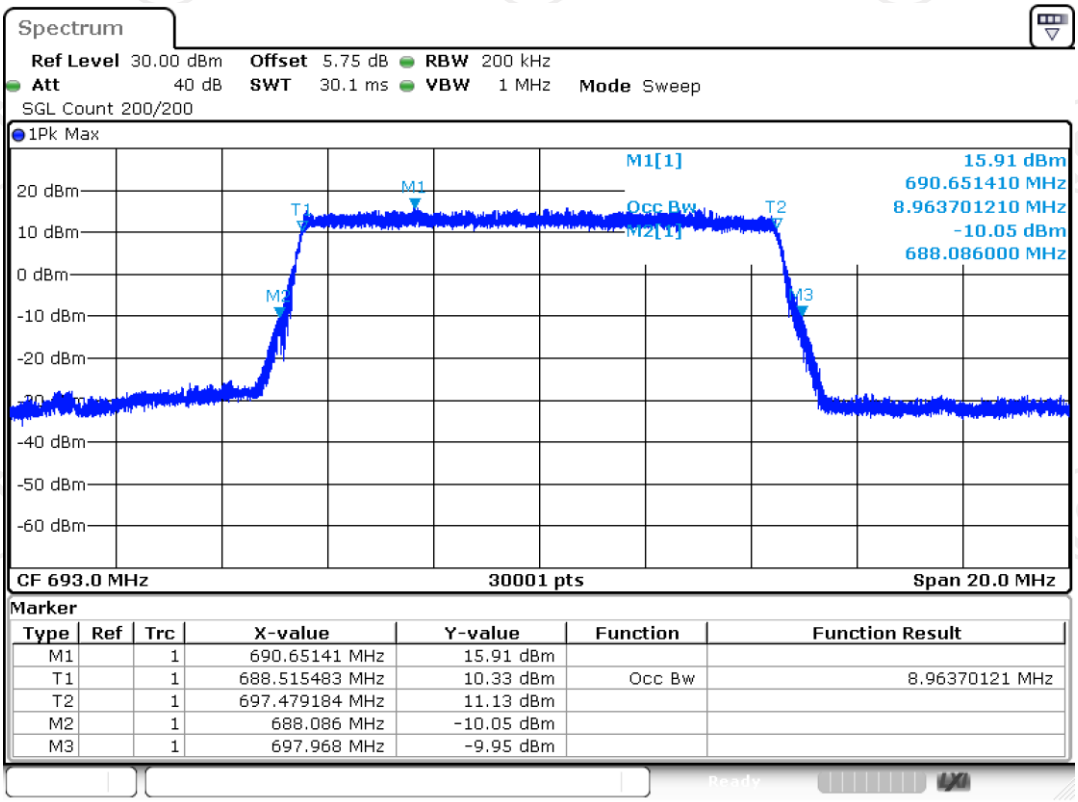


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	670.78324 MHz	17.03 dBm		
T1		1	663.547482 MHz	8.35 dBm	Occ Bw	8.942368588 MHz
T2		1	672.48985 MHz	10.73 dBm		
M2		1	663.138 MHz	-8.90 dBm		
M3		1	672.932 MHz	-8.56 dBm		

Date: 9.JUN.2023 17:36:58

Band71 QPSK BW=10MHz Channel=133422 RB Size=50 Position=#0

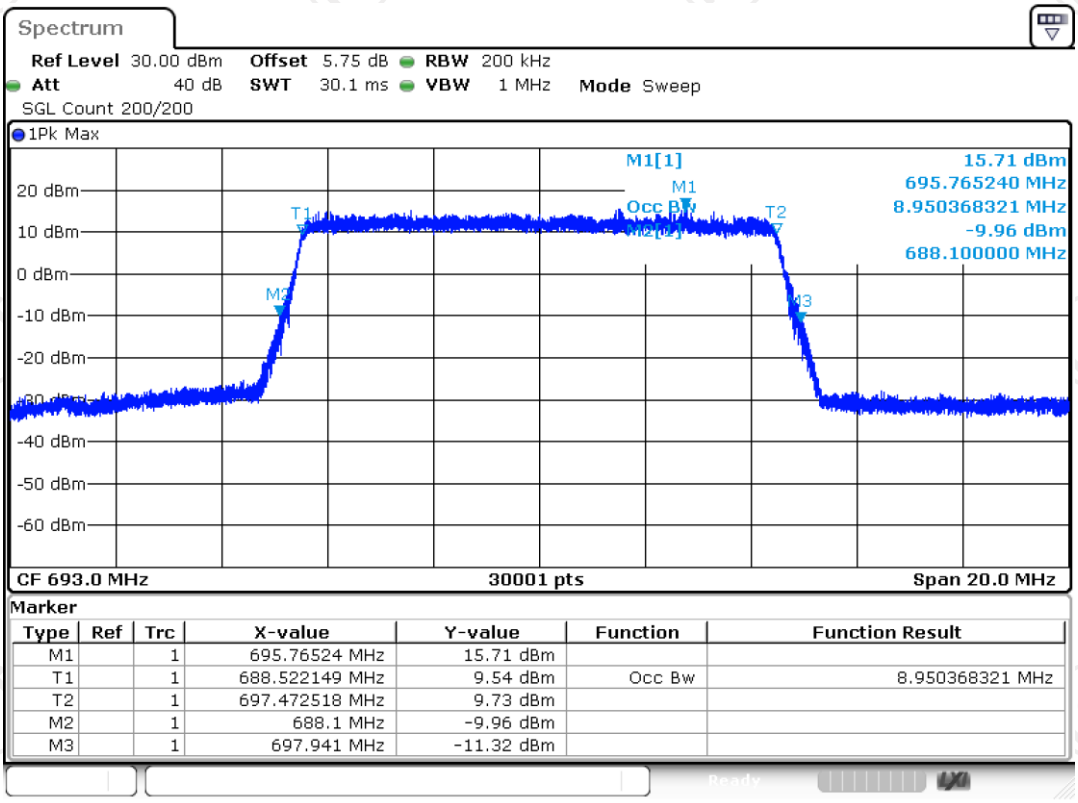


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	690.65141 MHz	15.91 dBm		
T1		1	688.515483 MHz	10.33 dBm	Occ Bw	8.96370121 MHz
T2		1	697.479184 MHz	11.13 dBm		
M2		1	688.086 MHz	-10.05 dBm		
M3		1	697.968 MHz	-9.95 dBm		

Date: 9.JUN.2023 17:37:56

Band71 16QAM BW=10MHz Channel=133422 RB Size=50 Position=#0

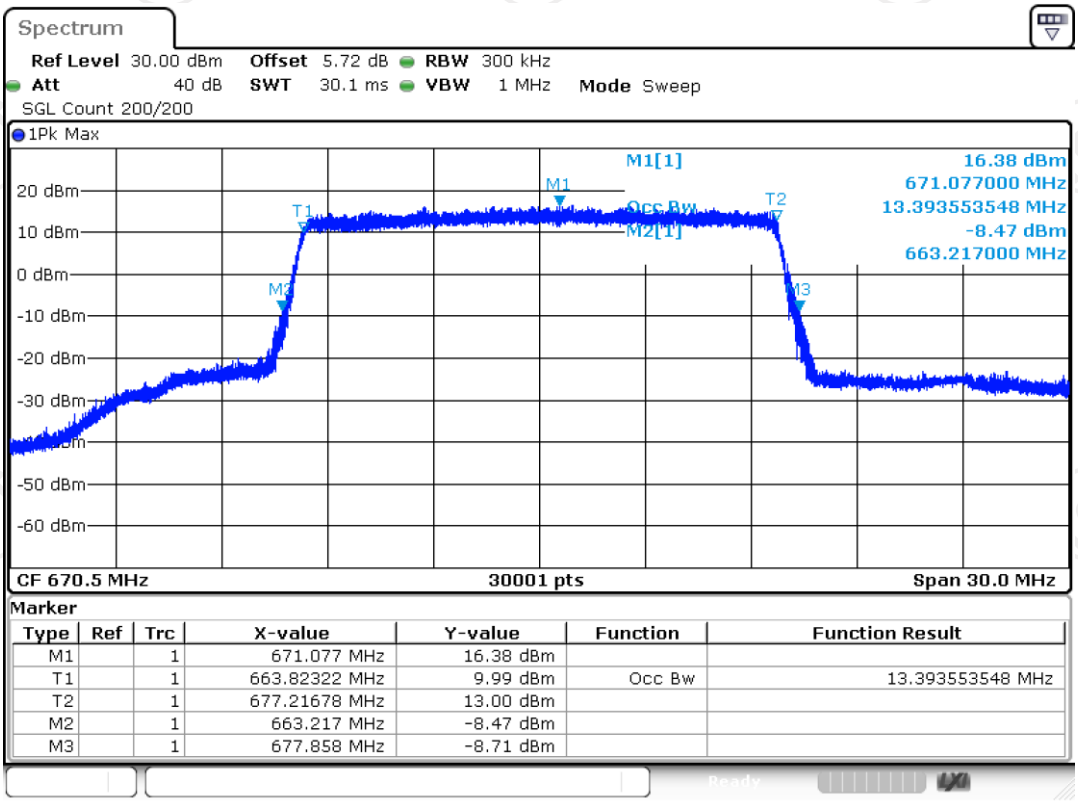


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	695.76524 MHz	15.71 dBm		
T1		1	688.522149 MHz	9.54 dBm	Occ Bw	8.950368321 MHz
T2		1	697.472518 MHz	9.73 dBm		
M2		1	688.1 MHz	-9.96 dBm		
M3		1	697.941 MHz	-11.32 dBm		

Date: 9.JUN.2023 17:38:16

Band71 QPSK BW=15MHz Channel=133197 RB Size=75 Position=#0

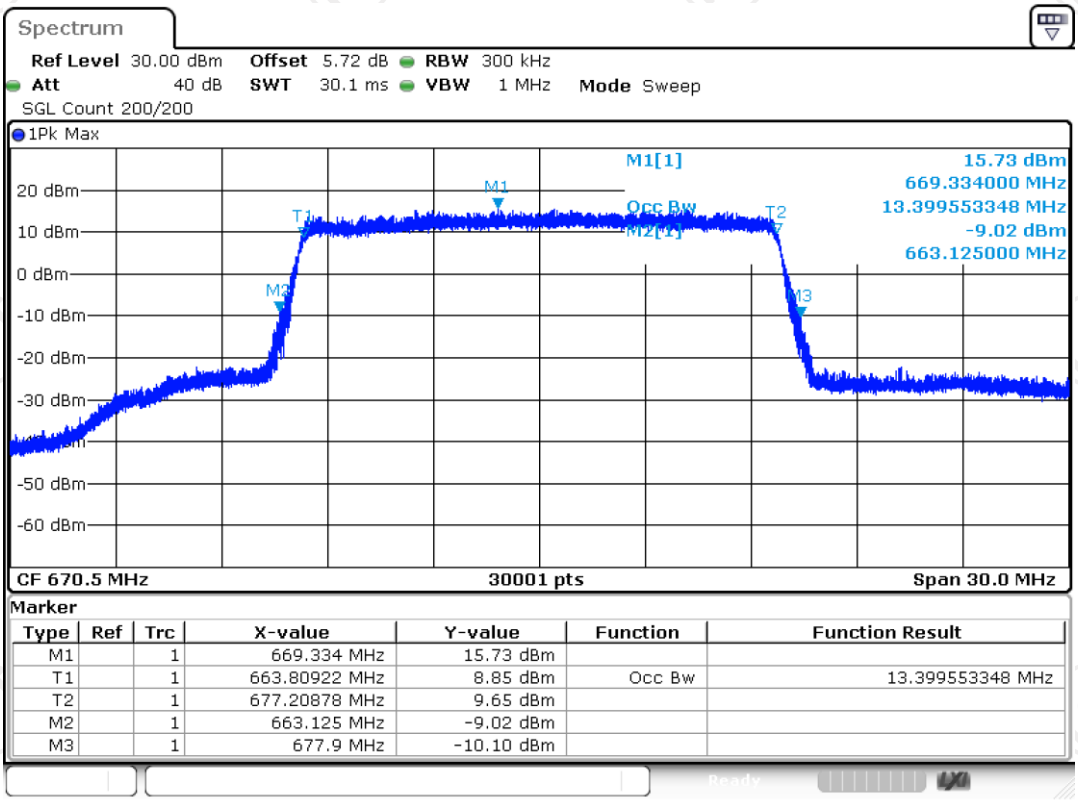


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	671.077 MHz	16.38 dBm		
T1		1	663.82322 MHz	9.99 dBm	Occ Bw	13.393553548 MHz
T2		1	677.21678 MHz	13.00 dBm		
M2		1	663.217 MHz	-8.47 dBm		
M3		1	677.858 MHz	-8.71 dBm		

Date: 9.JUN.2023 17:38:33

Band71 16QAM BW=15MHz Channel=133197 RB Size=75 Position=#0

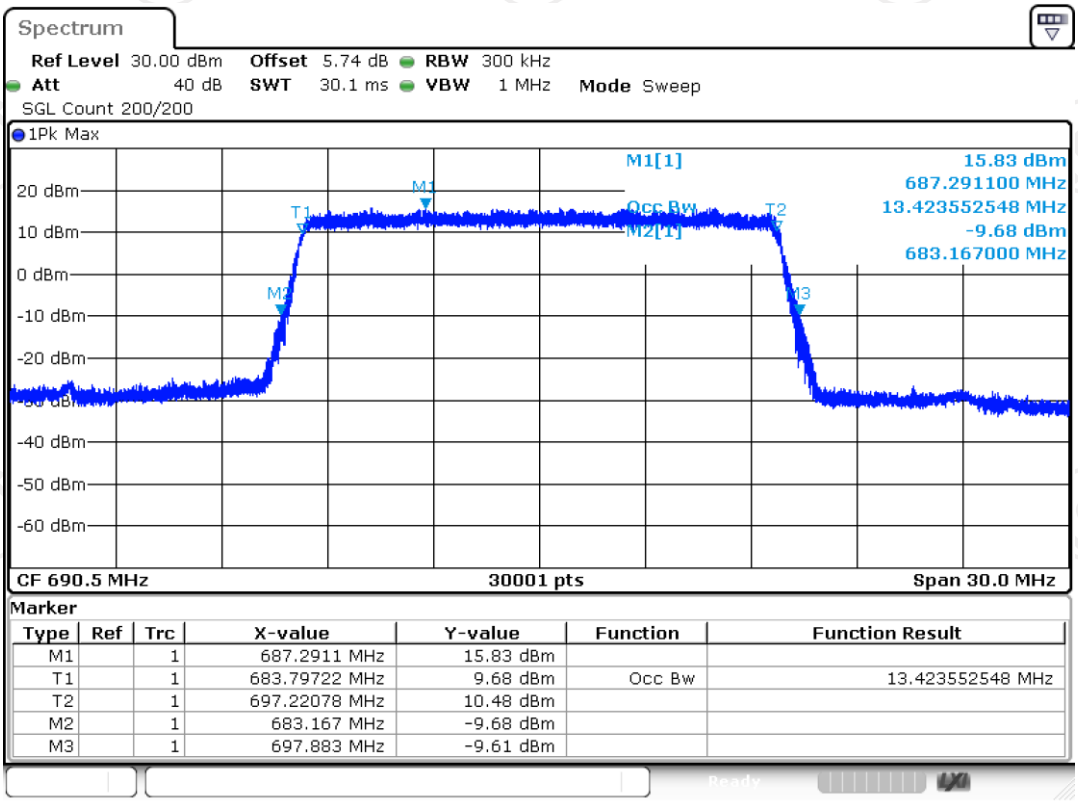


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	669.334 MHz	15.73 dBm		
T1		1	663.80922 MHz	8.85 dBm	Occ Bw	13.399553348 MHz
T2		1	677.20878 MHz	9.65 dBm		
M2		1	663.125 MHz	-9.02 dBm		
M3		1	677.9 MHz	-10.10 dBm		

Date: 9.JUN.2023 17:38:50

Band71 QPSK BW=15MHz Channel=133397 RB Size=75 Position=#0

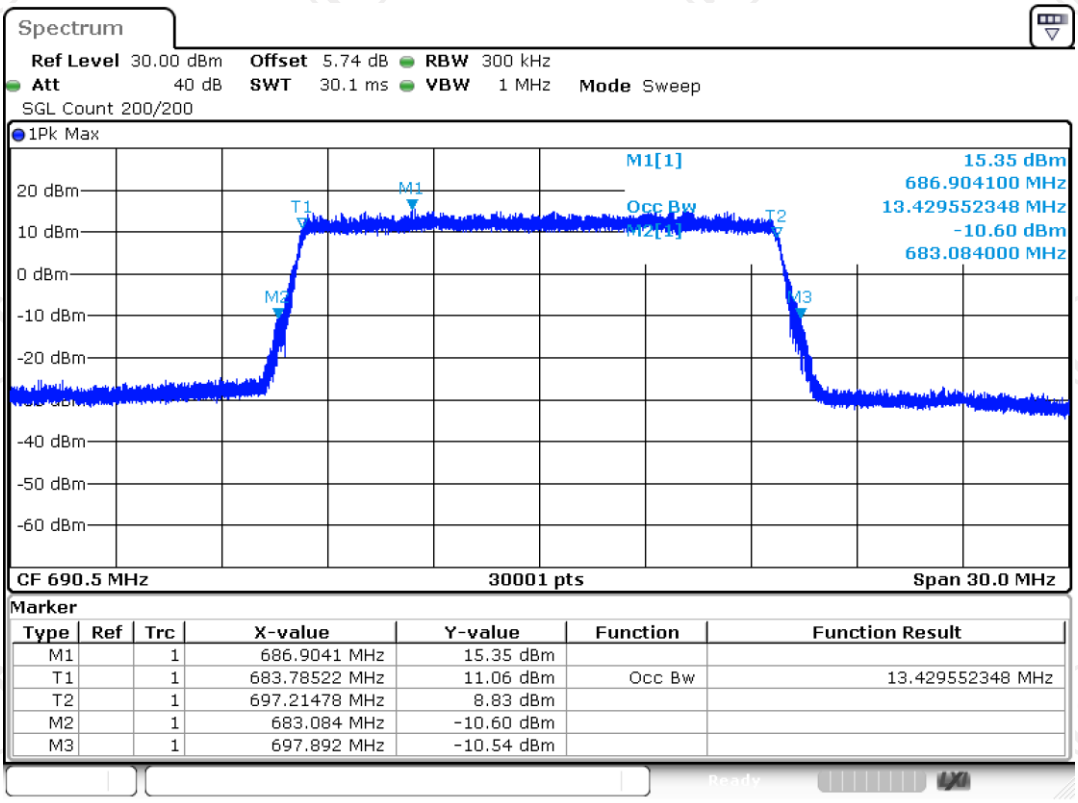


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	687.2911 MHz	15.83 dBm		
T1		1	683.79722 MHz	9.68 dBm	Occ Bw	13.423552548 MHz
T2		1	697.22078 MHz	10.48 dBm		
M2		1	683.167 MHz	-9.68 dBm		
M3		1	697.883 MHz	-9.61 dBm		

Date: 9.JUN.2023 17:39:40

Band71 16QAM BW=15MHz Channel=133397 RB Size=75 Position=#0

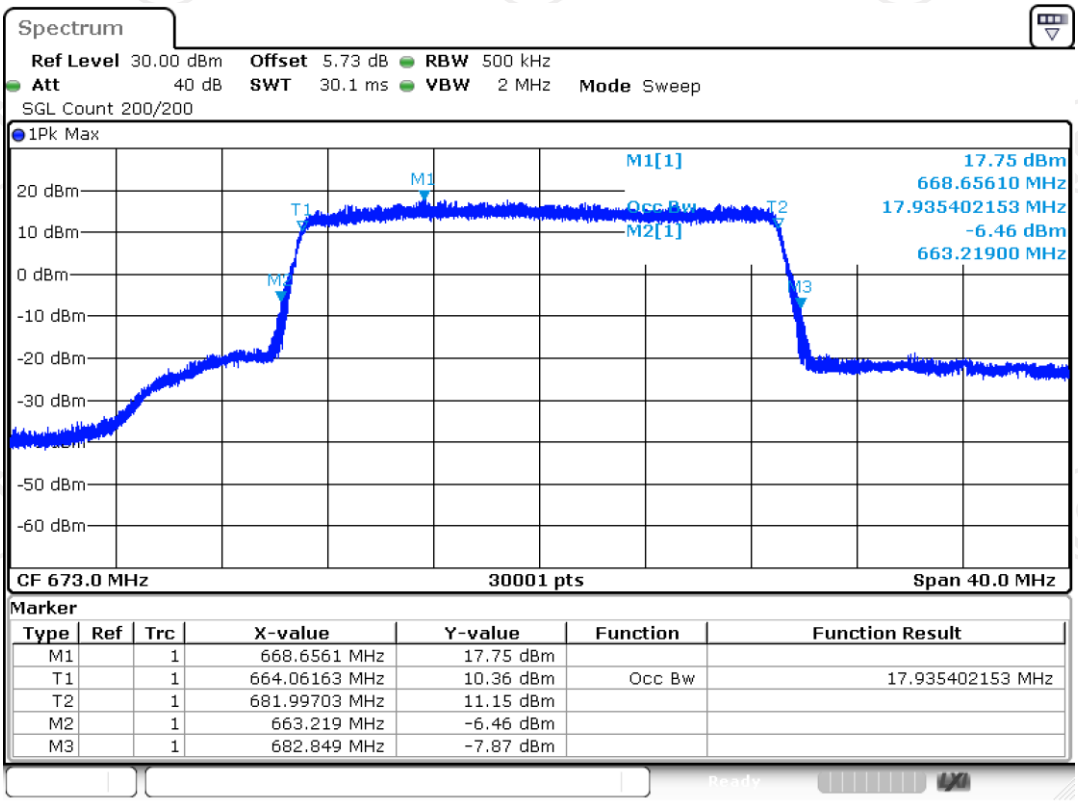


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	686.9041 MHz	15.35 dBm		
T1		1	683.78522 MHz	11.06 dBm	Occ Bw	13.429552348 MHz
T2		1	697.21478 MHz	8.83 dBm		
M2		1	683.084 MHz	-10.60 dBm		
M3		1	697.892 MHz	-10.54 dBm		

Date: 9.JUN.2023 17:39:57

Band71 QPSK BW=20MHz Channel=133222 RB Size=100 Position=#0

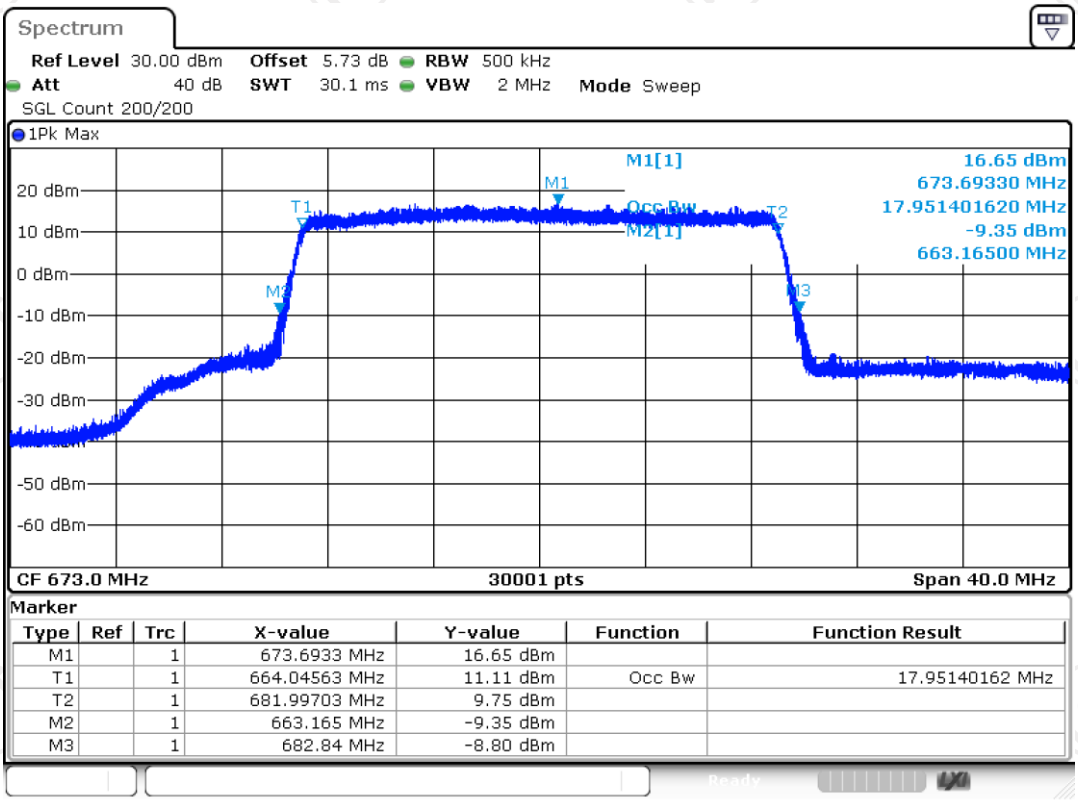


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	668.6561 MHz	17.75 dBm		
T1		1	664.06163 MHz	10.36 dBm	Occ Bw	17.935402153 MHz
T2		1	681.99703 MHz	11.15 dBm		
M2		1	663.219 MHz	-6.46 dBm		
M3		1	682.849 MHz	-7.87 dBm		

Date: 9.JUN.2023 17:40:15

Band71 16QAM BW=20MHz Channel=133222 RB Size=100 Position=#0

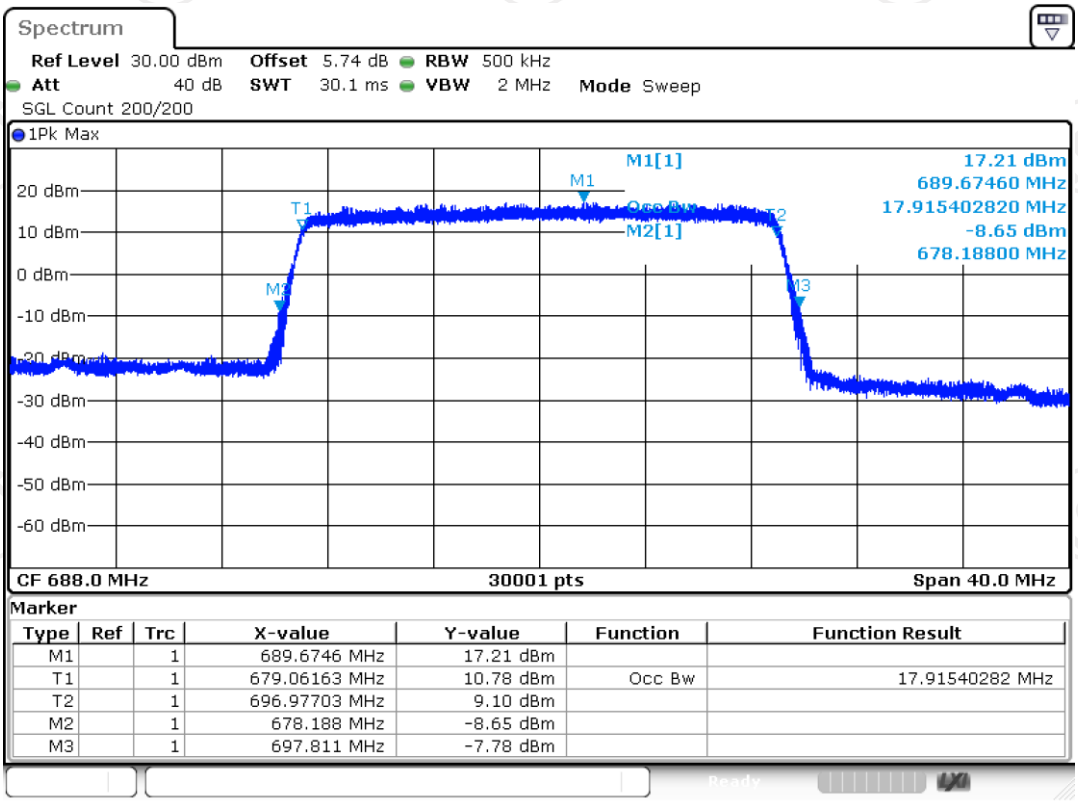


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	673.6933 MHz	16.65 dBm		
T1		1	664.04563 MHz	11.11 dBm	Occ Bw	17.95140162 MHz
T2		1	681.99703 MHz	9.75 dBm		
M2		1	663.165 MHz	-9.35 dBm		
M3		1	682.84 MHz	-8.80 dBm		

Date: 9.JUN.2023 17:40:33

Band71 QPSK BW=20MHz Channel=133372 RB Size=100 Position=#0

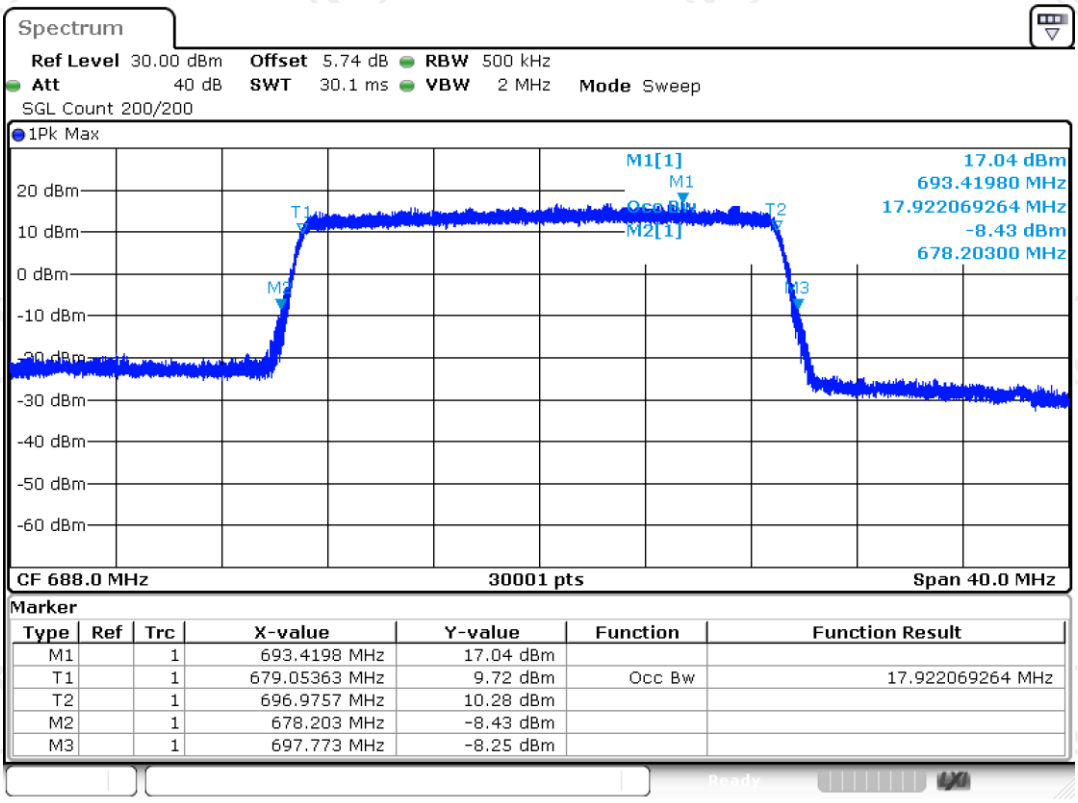


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	689.6746 MHz	17.21 dBm		
T1		1	679.06163 MHz	10.78 dBm	Occ Bw	17.91540282 MHz
T2		1	696.97703 MHz	9.10 dBm		
M2		1	678.188 MHz	-8.65 dBm		
M3		1	697.811 MHz	-7.78 dBm		

Date: 9.JUN.2023 17:41:24

Band71 16QAM BW=20MHz Channel=133372 RB Size=100 Position=#0



Marker

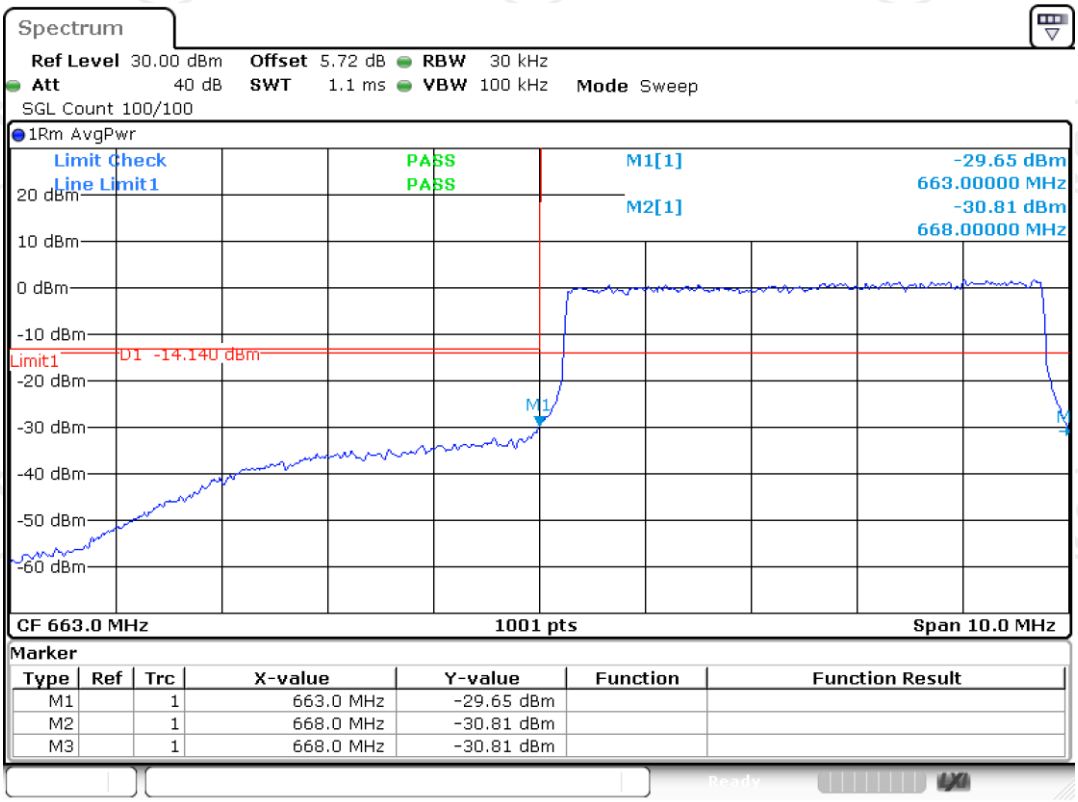
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	693.4198 MHz	17.04 dBm		
T1		1	679.05363 MHz	9.72 dBm	Occ Bw	17.922069264 MHz
T2		1	696.9757 MHz	10.28 dBm		
M2		1	678.203 MHz	-8.43 dBm		
M3		1	697.773 MHz	-8.25 dBm		

Date: 9.JUN.2023 17:41:41

5 Band edge

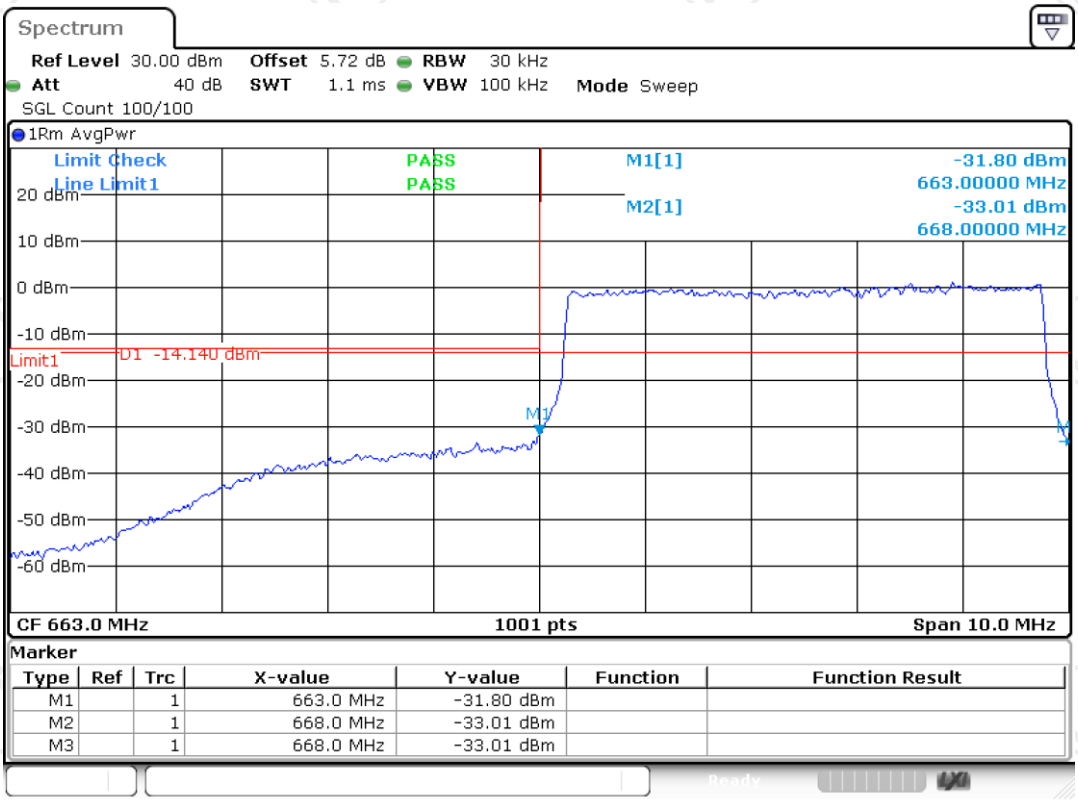
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band71	5	133147	25	#0	QPSK	663.00	-29.64	-13	PASS
Band71	5	133147	25	#0	16QAM	663.00	-31.79	-13	PASS
Band71	5	133447	25	#0	QPSK	698.00	-33.46	-13	PASS
Band71	5	133447	25	#0	16QAM	698.00	-36.27	-13	PASS
Band71	10	133172	50	#0	QPSK	662.94	-36.70	-13	PASS
Band71	10	133172	50	#0	16QAM	662.84	-37.99	-13	PASS
Band71	10	133422	50	#0	QPSK	698.00	-40.99	-13	PASS
Band71	10	133422	50	#0	16QAM	698.00	-42.04	-13	PASS
Band71	15	133197	75	#0	QPSK	663.00	-39.58	-13	PASS
Band71	15	133197	75	#0	16QAM	662.91	-41.69	-13	PASS
Band71	15	133397	75	#0	QPSK	698.06	-44.45	-13	PASS
Band71	15	133397	75	#0	16QAM	698.00	-44.62	-13	PASS
Band71	20	133222	100	#0	QPSK	661.96	-39.46	-13	PASS
Band71	20	133222	100	#0	16QAM	662.52	-41.06	-13	PASS
Band71	20	133372	100	#0	QPSK	698.00	-44.36	-13	PASS
Band71	20	133372	100	#0	16QAM	698.00	-45.91	-13	PASS

Band71 QPSK BW=5MHz Channel=133147 RB Size=25 Position=#0



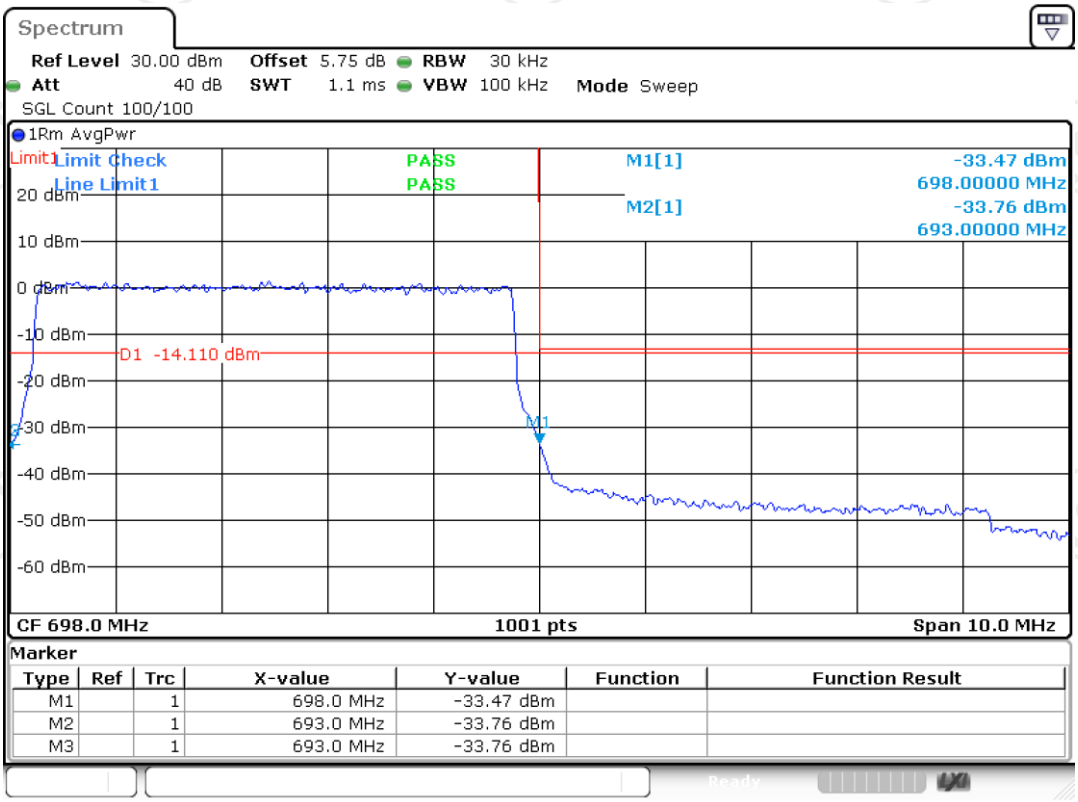
Date: 9.JUN.2023 17:41:54

Band71 16QAM BW=5MHz Channel=133147 RB Size=25 Position=#0



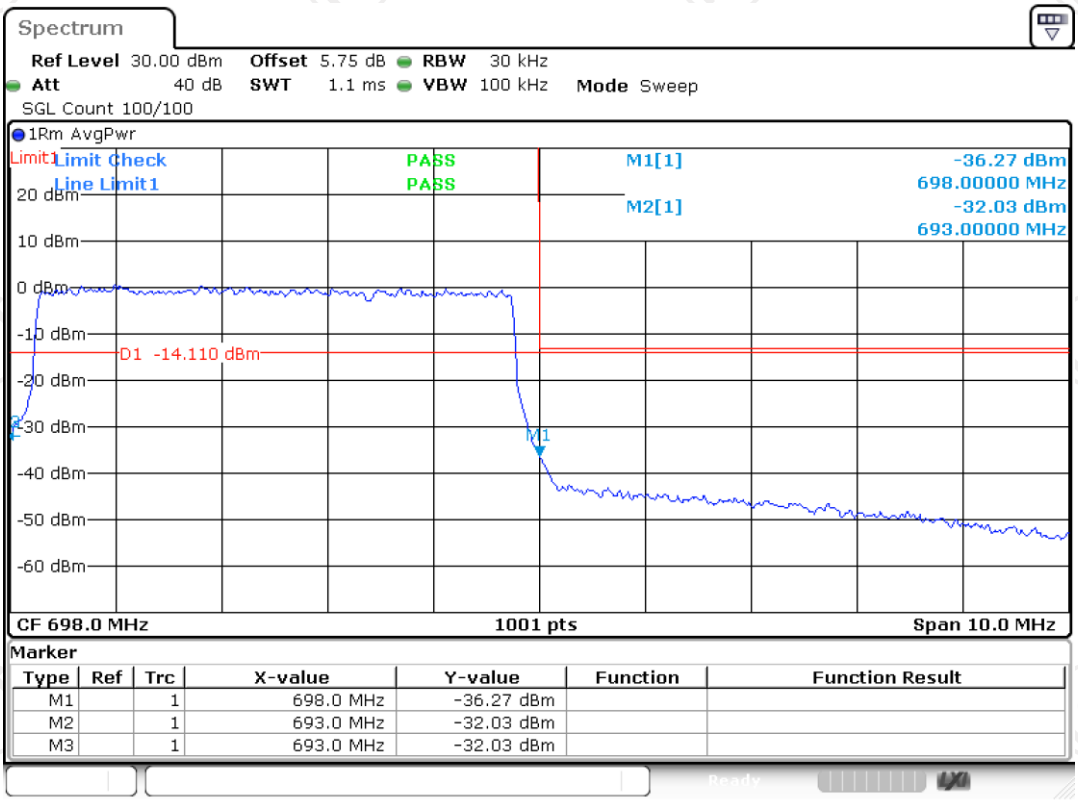
Date: 9.JUN.2023 17:41:59

Band71 QPSK BW=5MHz Channel=133447 RB Size=25 Position=#0



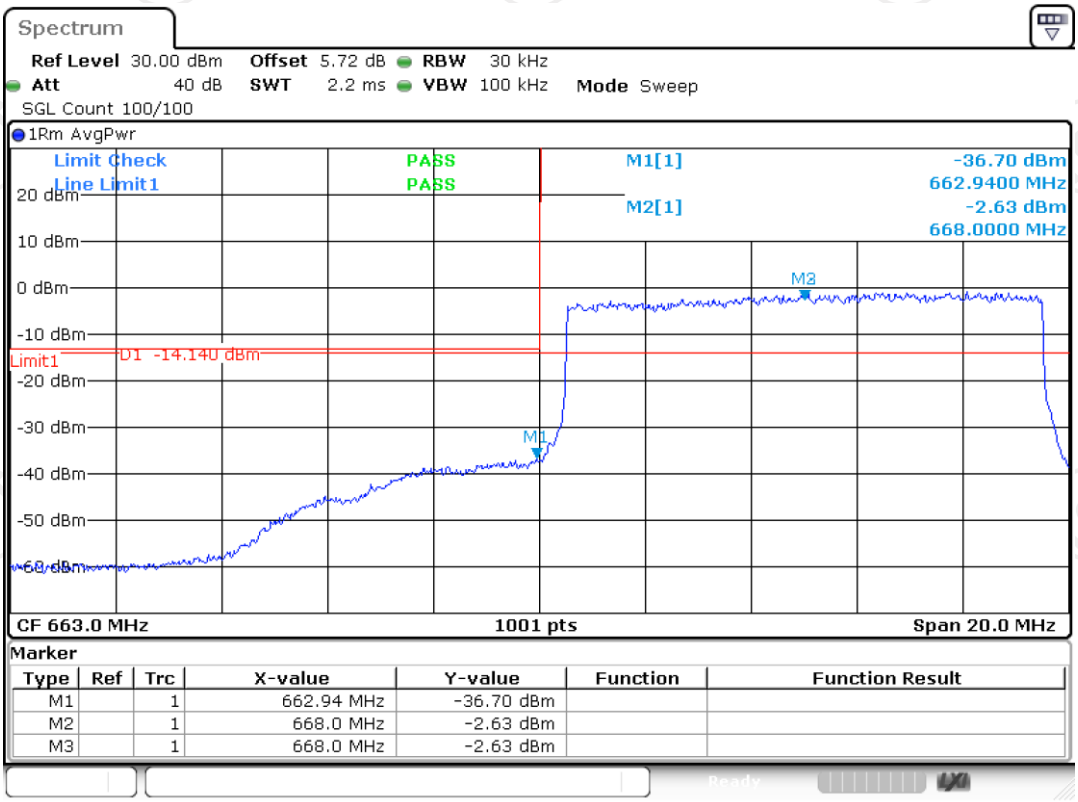
Date: 9.JUN.2023 17:42:05

Band71 16QAM BW=5MHz Channel=133447 RB Size=25 Position=#0



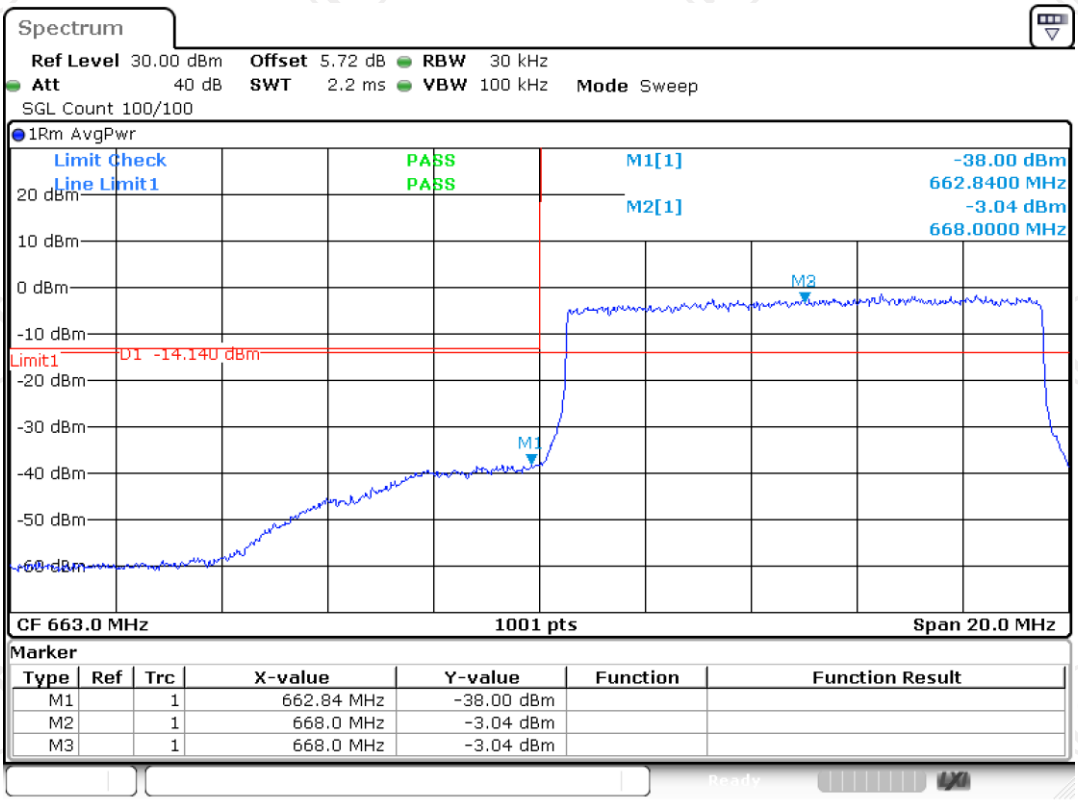
Date: 9.JUN.2023 17:42:10

Band71 QPSK BW=10MHz Channel=133172 RB Size=50 Position=#0



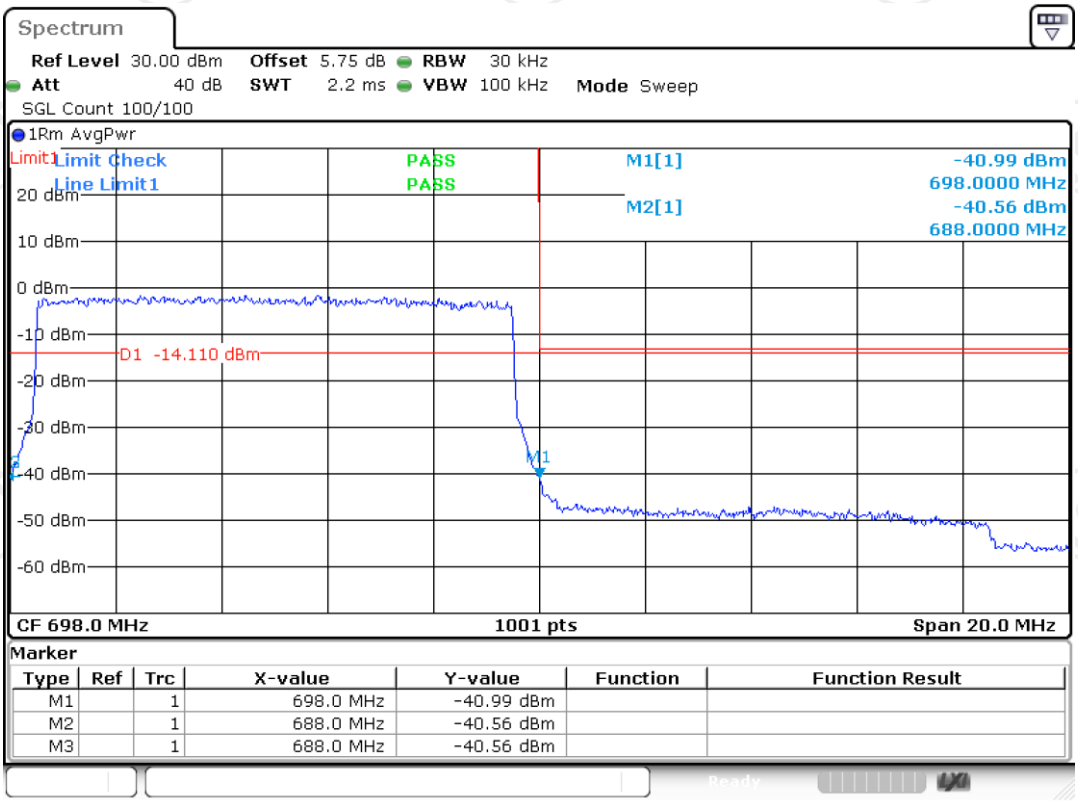
Date: 9.JUN.2023 17:42:16

Band71 16QAM BW=10MHz Channel=133172 RB Size=50 Position=#0



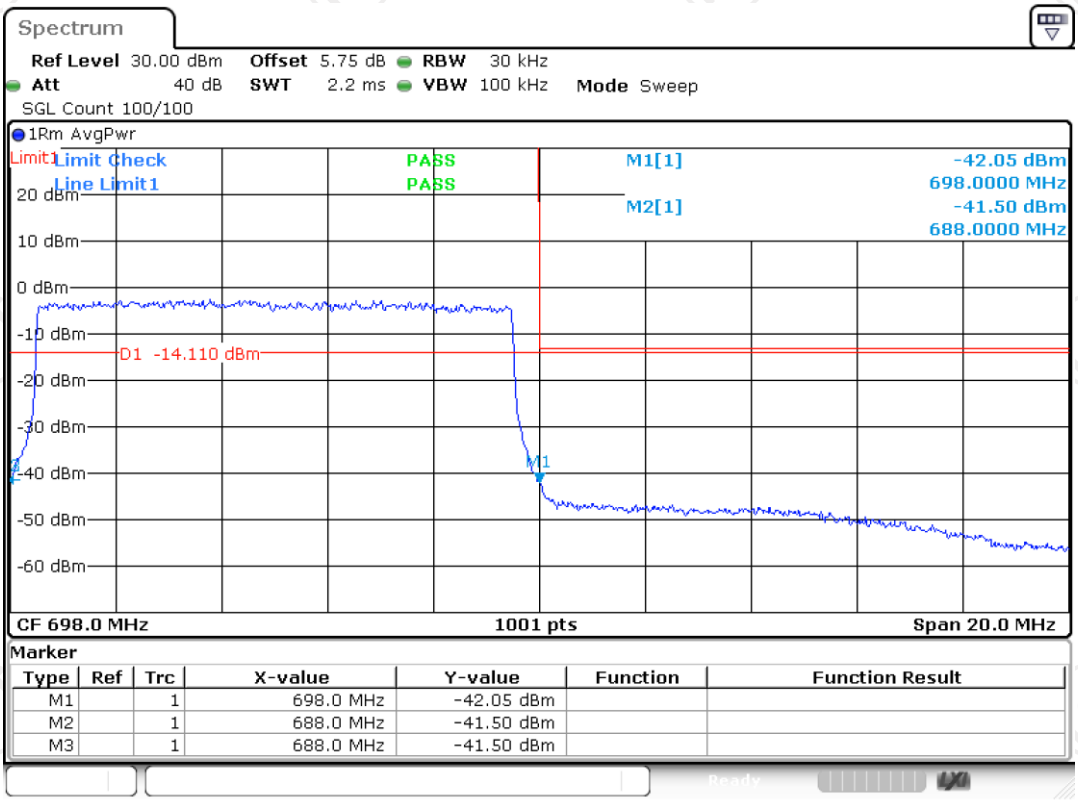
Date: 9.JUN.2023 17:42:20

Band71 QPSK BW=10MHz Channel=133422 RB Size=50 Position=#0



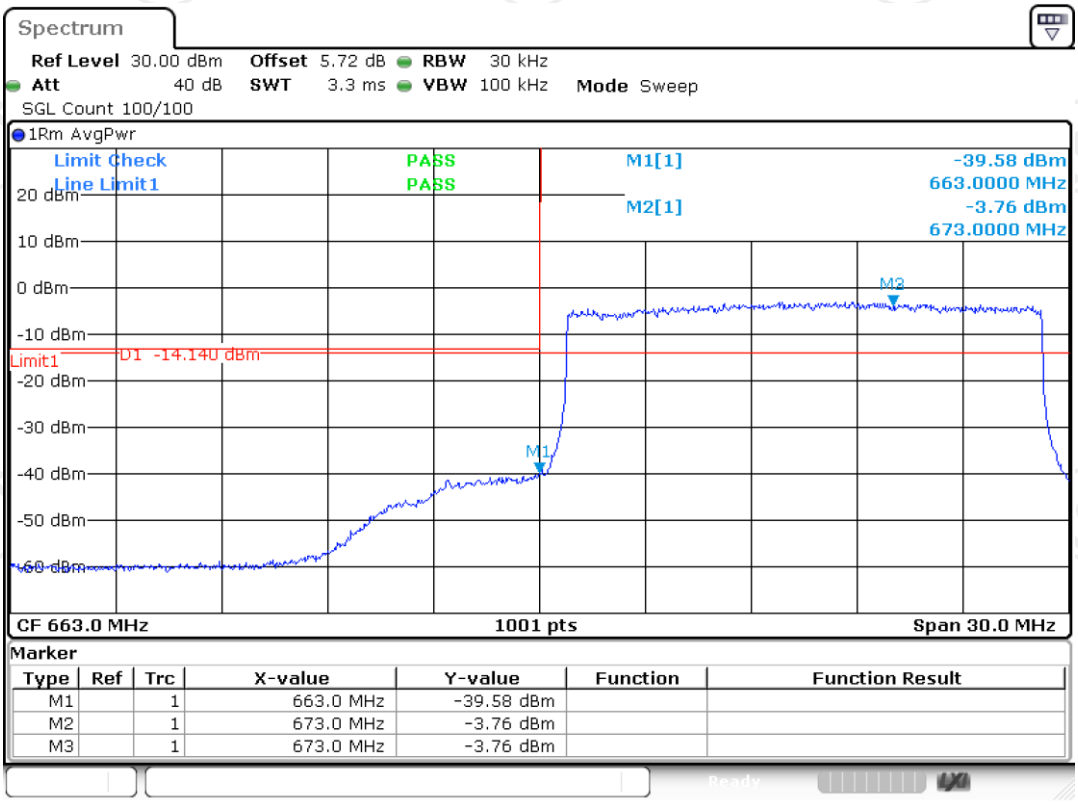
Date: 9.JUN.2023 17:42:27

Band71 16QAM BW=10MHz Channel=133422 RB Size=50 Position=#0



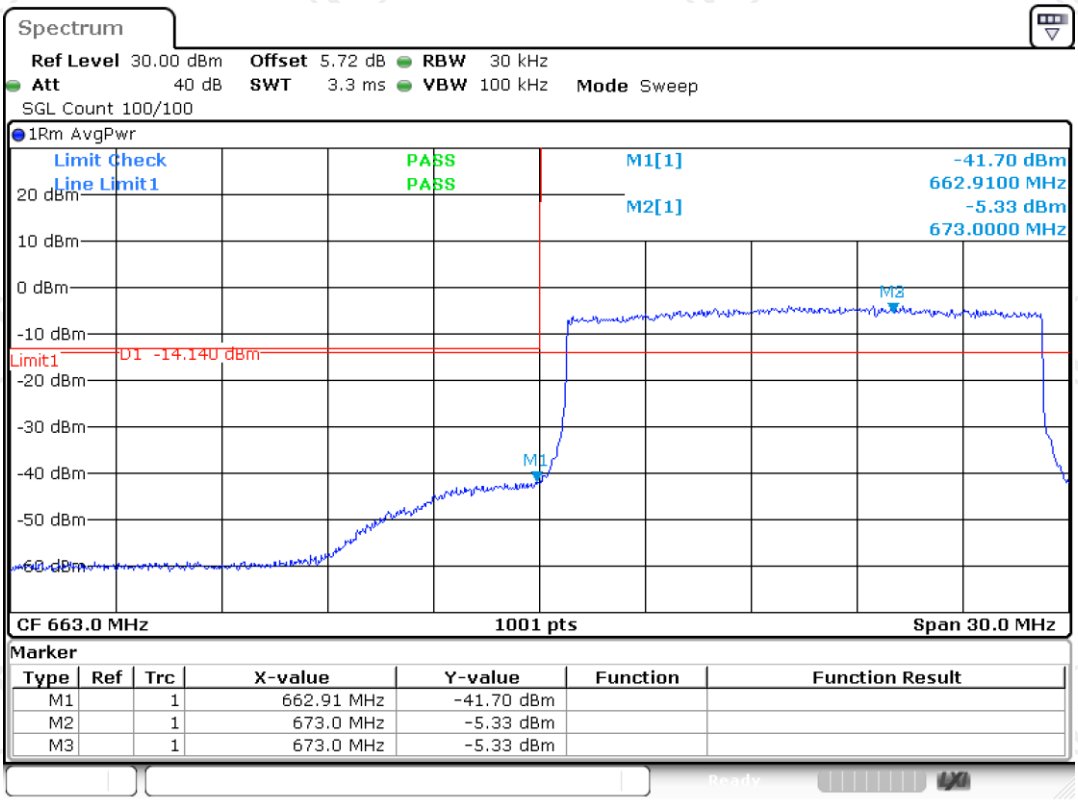
Date: 9.JUN.2023 17:42:33

Band71 QPSK BW=15MHz Channel=133197 RB Size=75 Position=#0



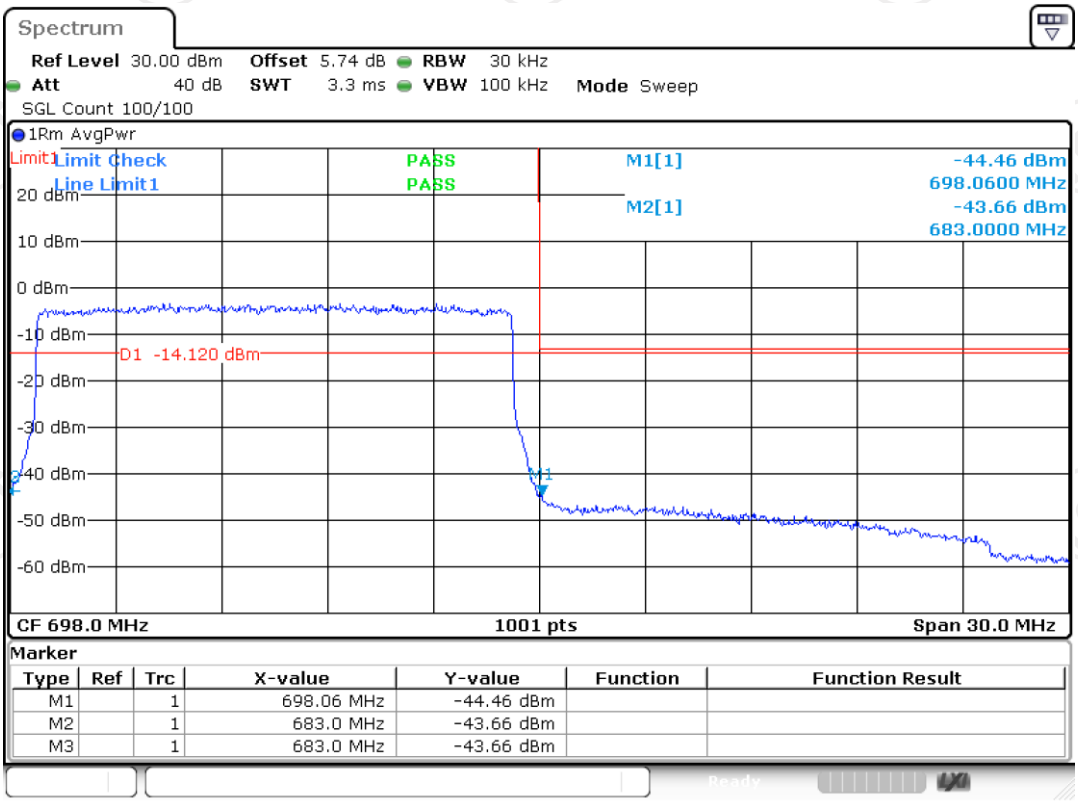
Date: 9.JUN.2023 17:42:39

Band71 16QAM BW=15MHz Channel=133197 RB Size=75 Position=#0



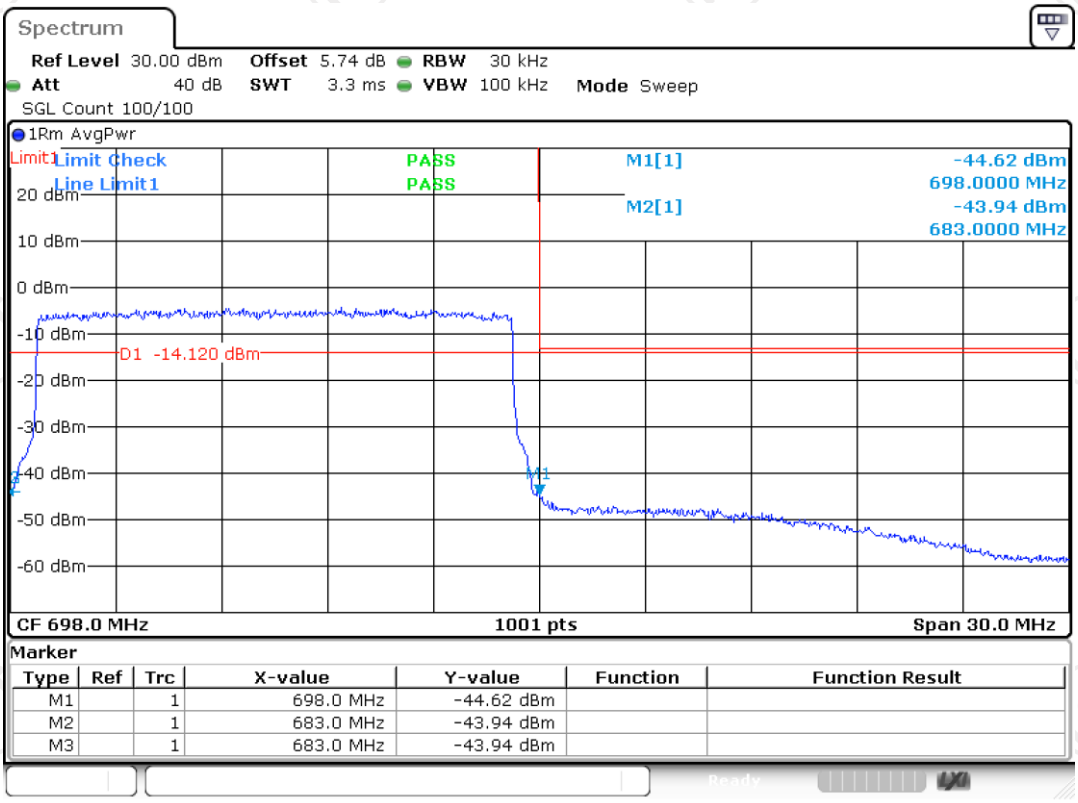
Date: 9.JUN.2023 17:42:45

Band71 QPSK BW=15MHz Channel=133397 RB Size=75 Position=#0



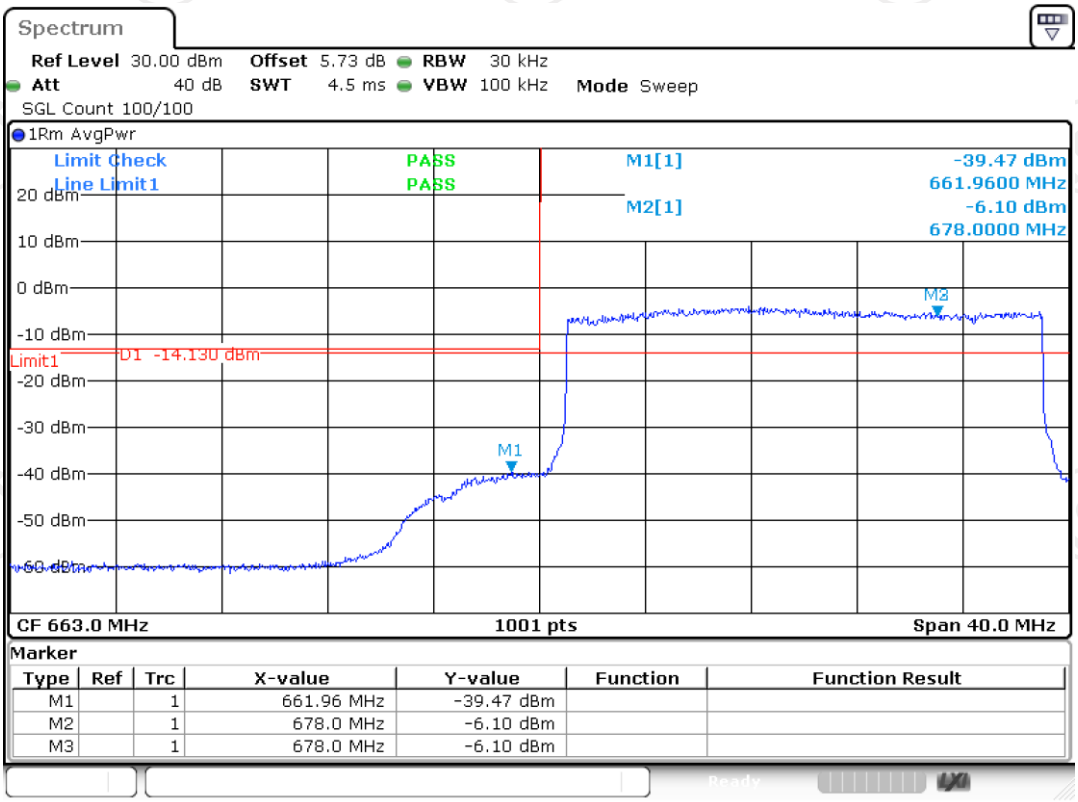
Date: 9.JUN.2023 17:42:51

Band71 16QAM BW=15MHz Channel=133397 RB Size=75 Position=#0



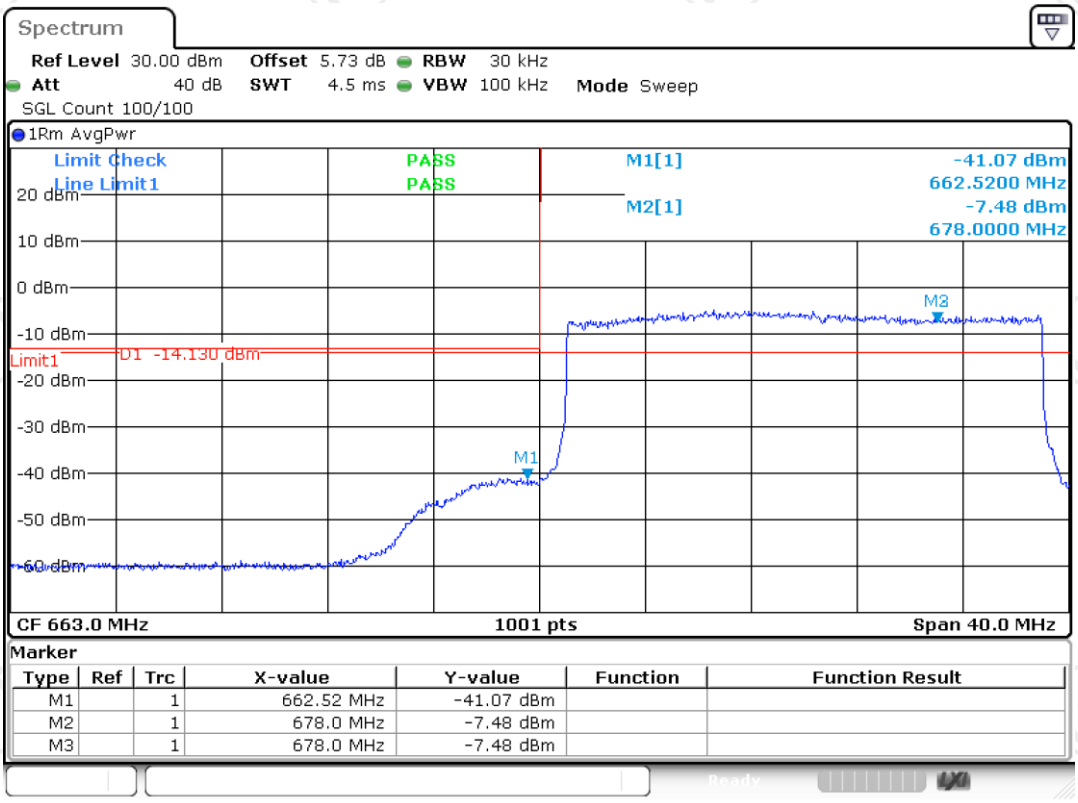
Date: 9.JUN.2023 17:42:58

Band71 QPSK BW=20MHz Channel=133222 RB Size=100 Position=#0



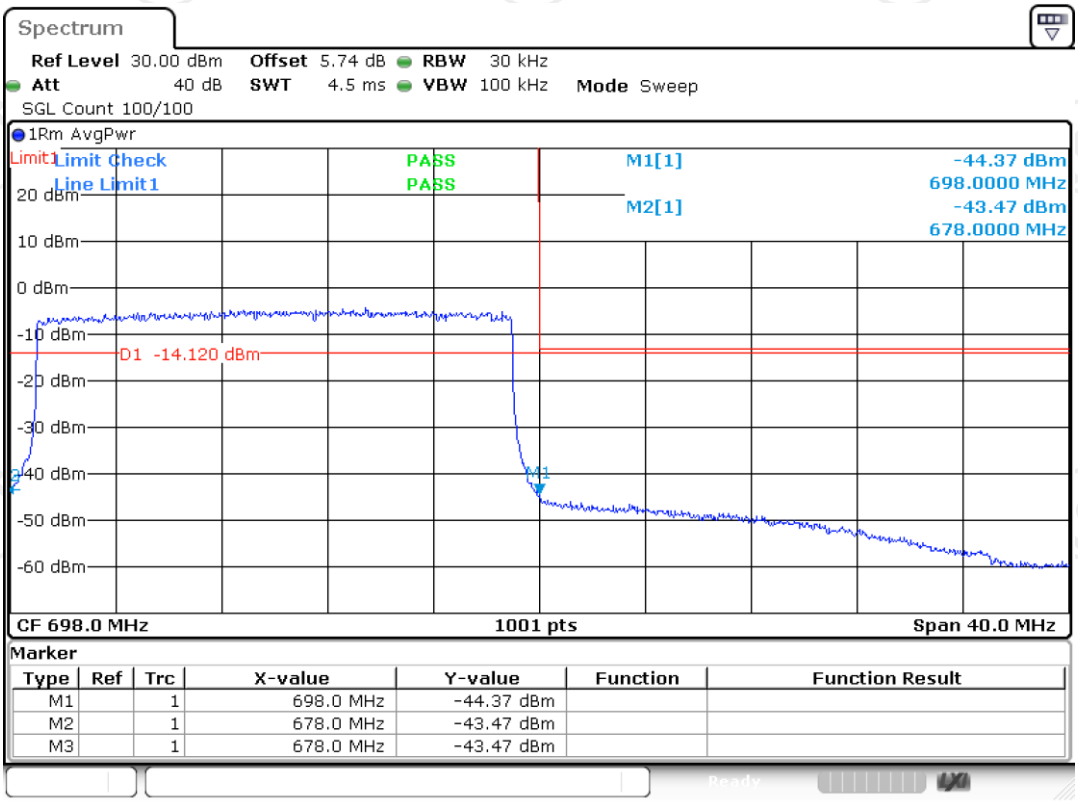
Date: 9.JUN.2023 17:43:04

Band71 16QAM BW=20MHz Channel=133222 RB Size=100 Position=#0



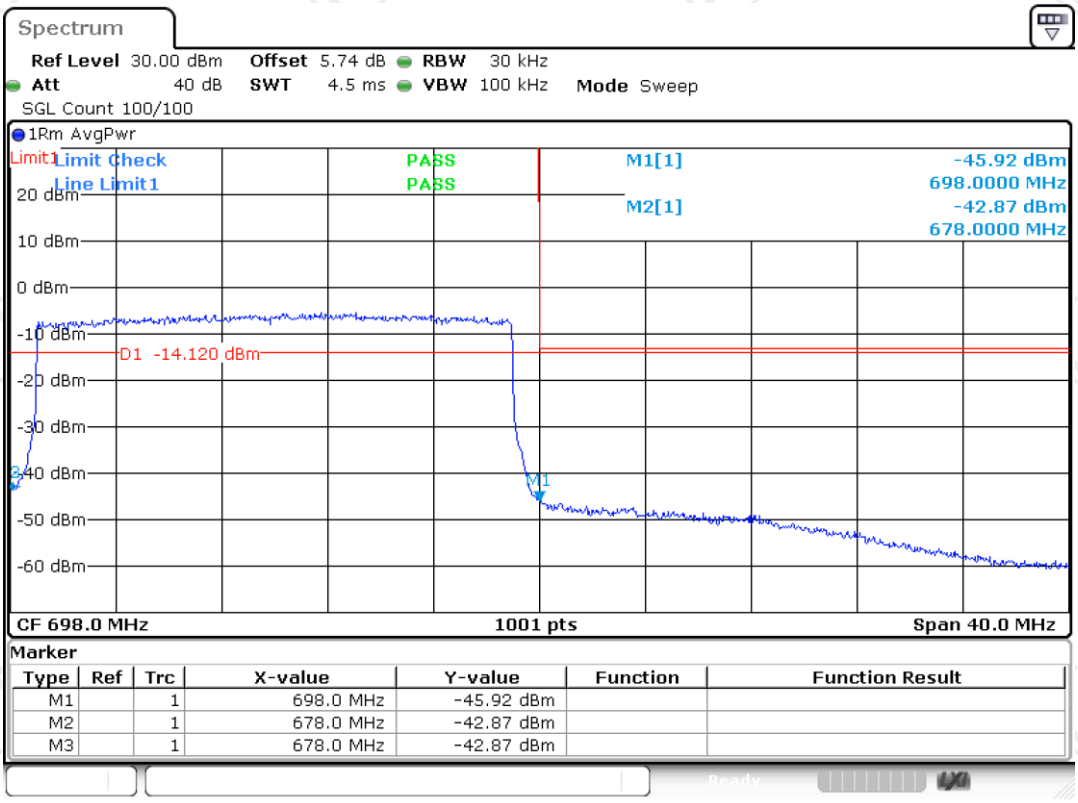
Date: 9.JUN.2023 17:43:10

Band71 QPSK BW=20MHz Channel=133372 RB Size=100 Position=#0



Date: 9.JUN.2023 17:43:17

Band71 16QAM BW=20MHz Channel=133372 RB Size=100 Position=#0

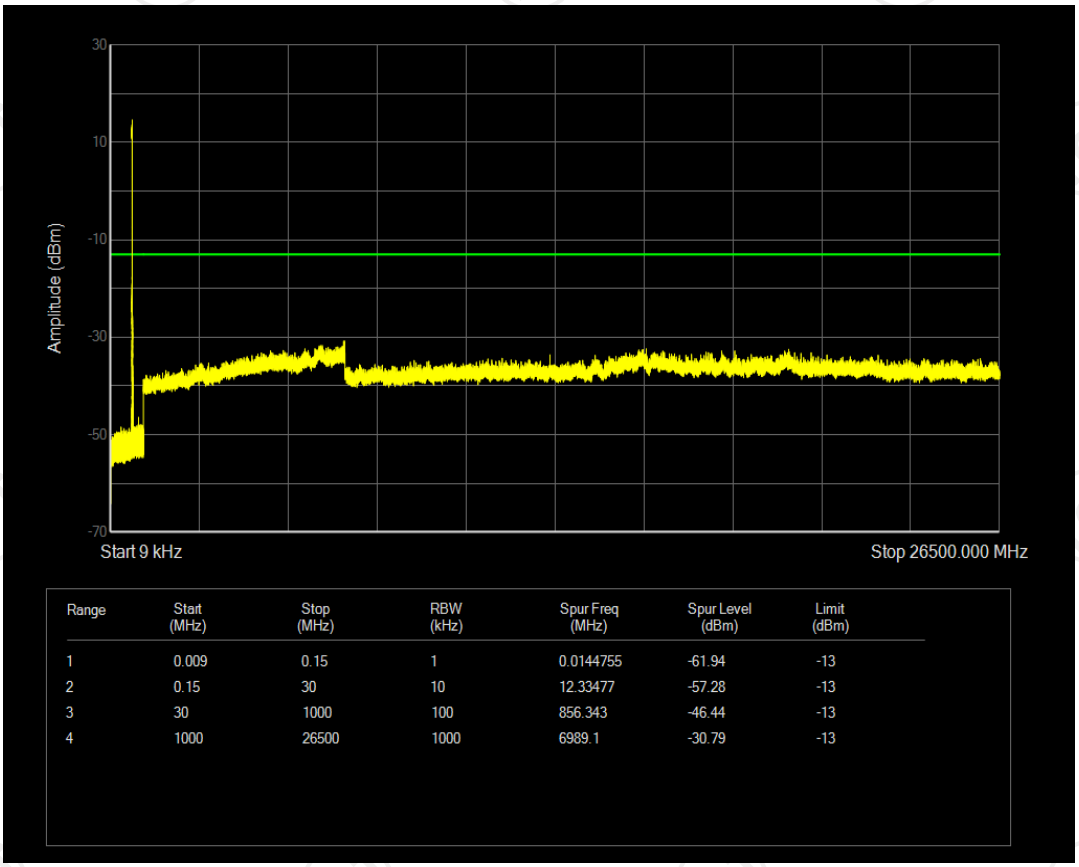


Date: 9.JUN.2023 17:43:24

6 Out-of-band emissions

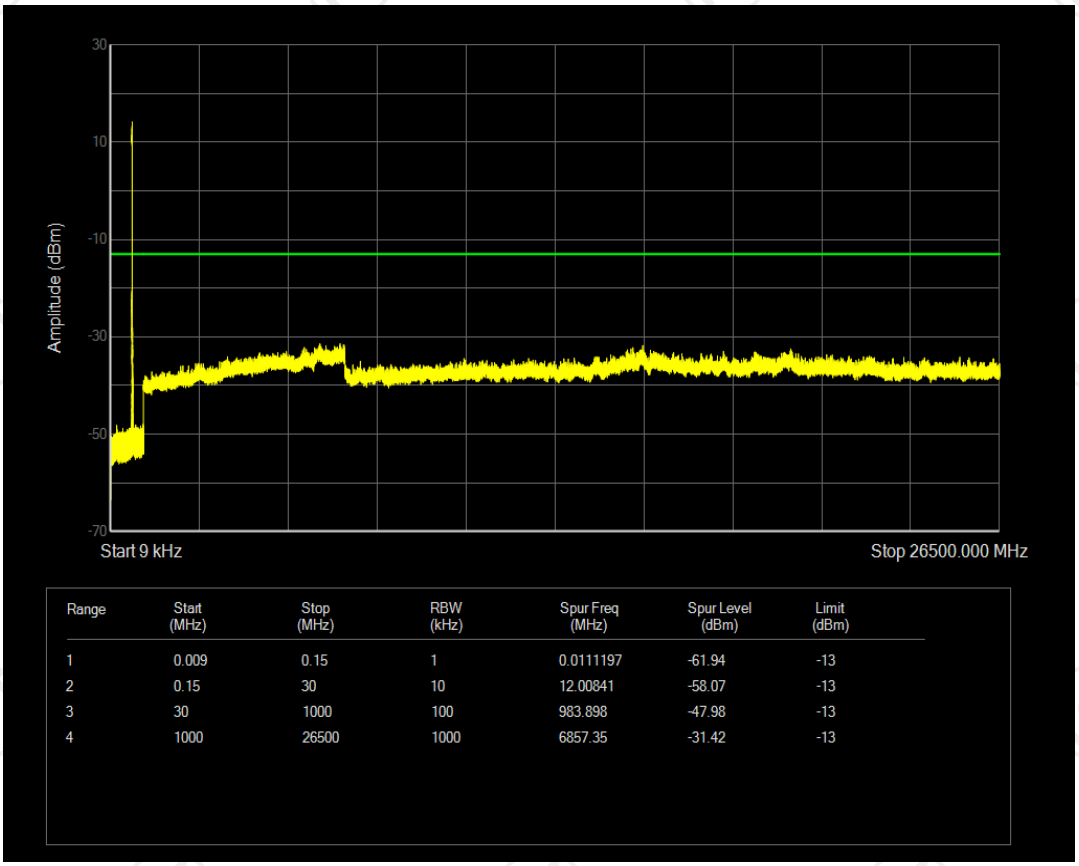
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band71	5	133147	25	#0	QPSK	6989.10	-30.79	-13	PASS
Band71	5	133147	25	#0	16QAM	6857.35	-31.42	-13	PASS
Band71	5	133447	25	#0	QPSK	5860.30	-31.55	-13	PASS
Band71	5	133447	25	#0	16QAM	6274.25	-31.15	-13	PASS
Band71	10	133172	50	#0	QPSK	6303.15	-31.22	-13	PASS
Band71	10	133172	50	#0	16QAM	6453.60	-30.89	-13	PASS
Band71	10	133422	50	#0	QPSK	6757.90	-31.33	-13	PASS
Band71	10	133422	50	#0	16QAM	6180.75	-31.06	-13	PASS
Band71	15	133197	75	#0	QPSK	6861.60	-30.77	-13	PASS
Band71	15	133197	75	#0	16QAM	6349.05	-30.90	-13	PASS
Band71	15	133397	75	#0	QPSK	6315.05	-29.96	-13	PASS
Band71	15	133397	75	#0	16QAM	6196.05	-31.27	-13	PASS
Band71	20	133222	100	#0	QPSK	6813.15	-31.14	-13	PASS
Band71	20	133222	100	#0	16QAM	6293.80	-31.36	-13	PASS
Band71	20	133372	100	#0	QPSK	6212.20	-31.24	-13	PASS
Band71	20	133372	100	#0	16QAM	6293.80	-31.13	-13	PASS

Band71 QPSK BW=5MHz Channel=133147 RB Size=25 Position=#0



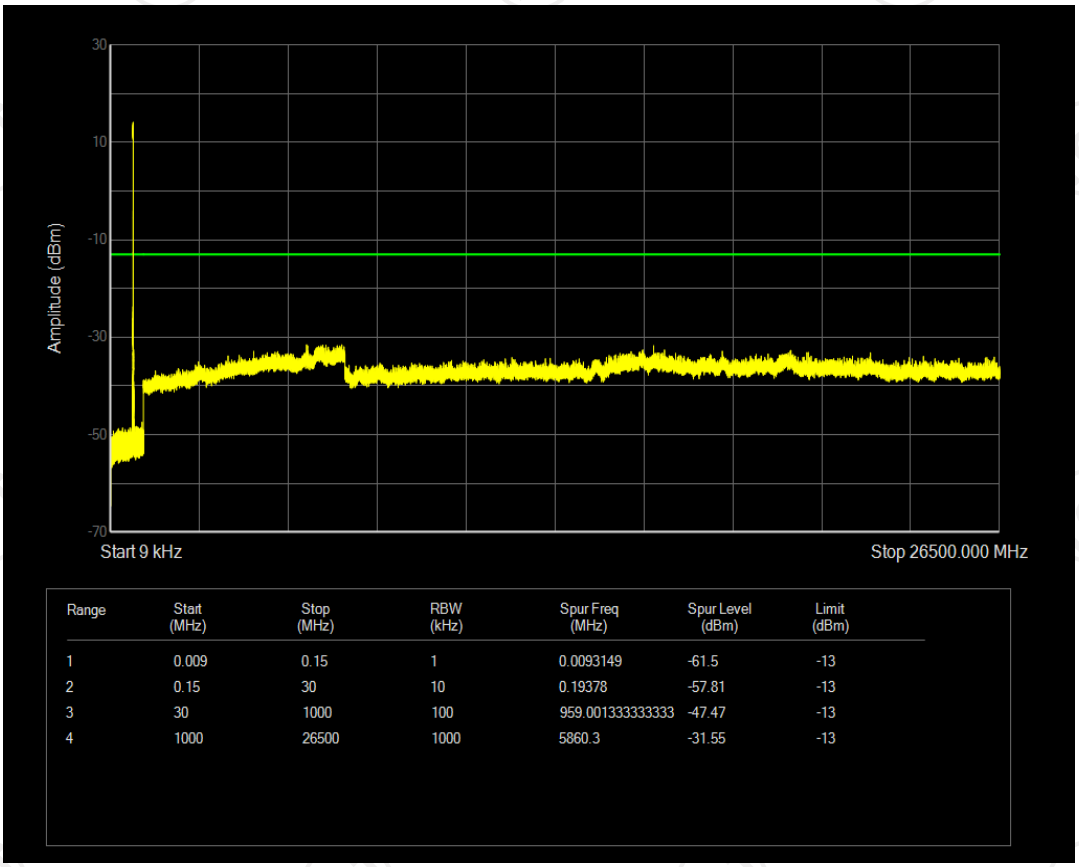
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0144755	-61.94	-13
2	0.15	30	10	12.33477	-57.28	-13
3	30	1000	100	856.343	-46.44	-13
4	1000	26500	1000	6989.1	-30.79	-13

Band71 16QAM BW=5MHz Channel=133147 RB Size=25 Position=#0



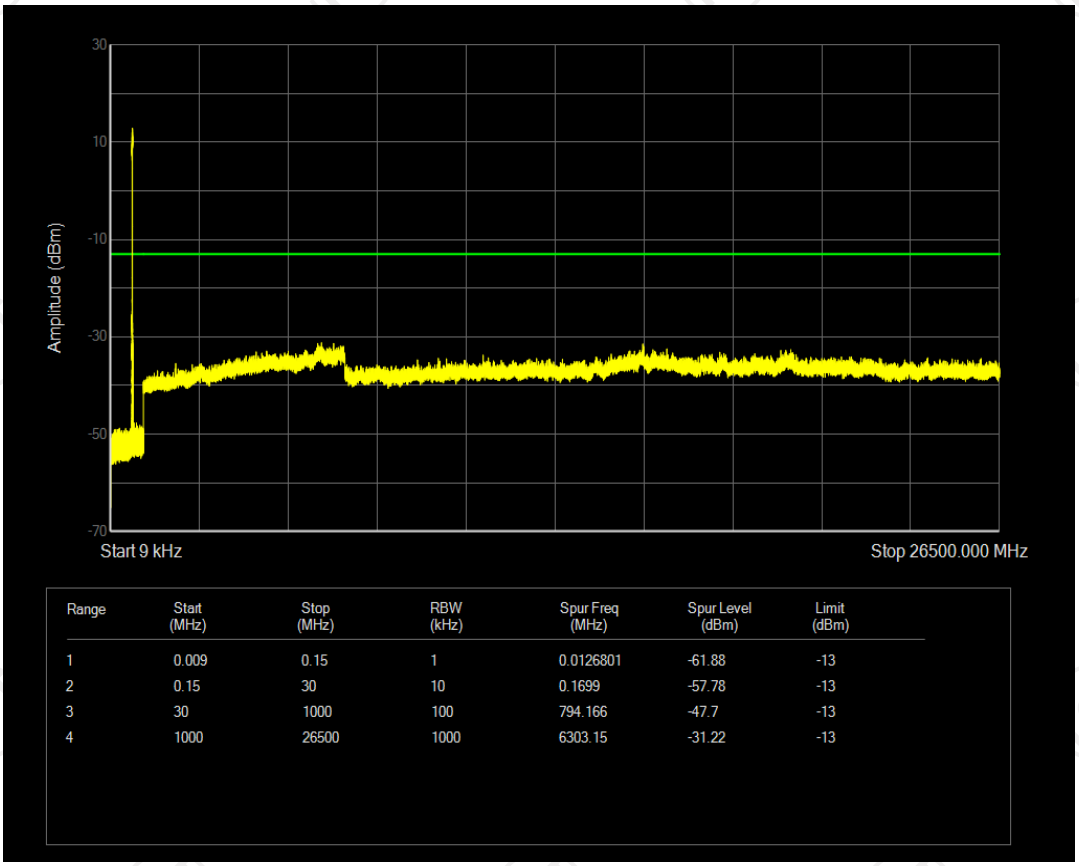
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0111197	-61.94	-13
2	0.15	30	10	12.00841	-58.07	-13
3	30	1000	100	983.898	-47.98	-13
4	1000	26500	1000	6857.35	-31.42	-13

Band71 QPSK BW=5MHz Channel=133447 RB Size=25 Position=#0



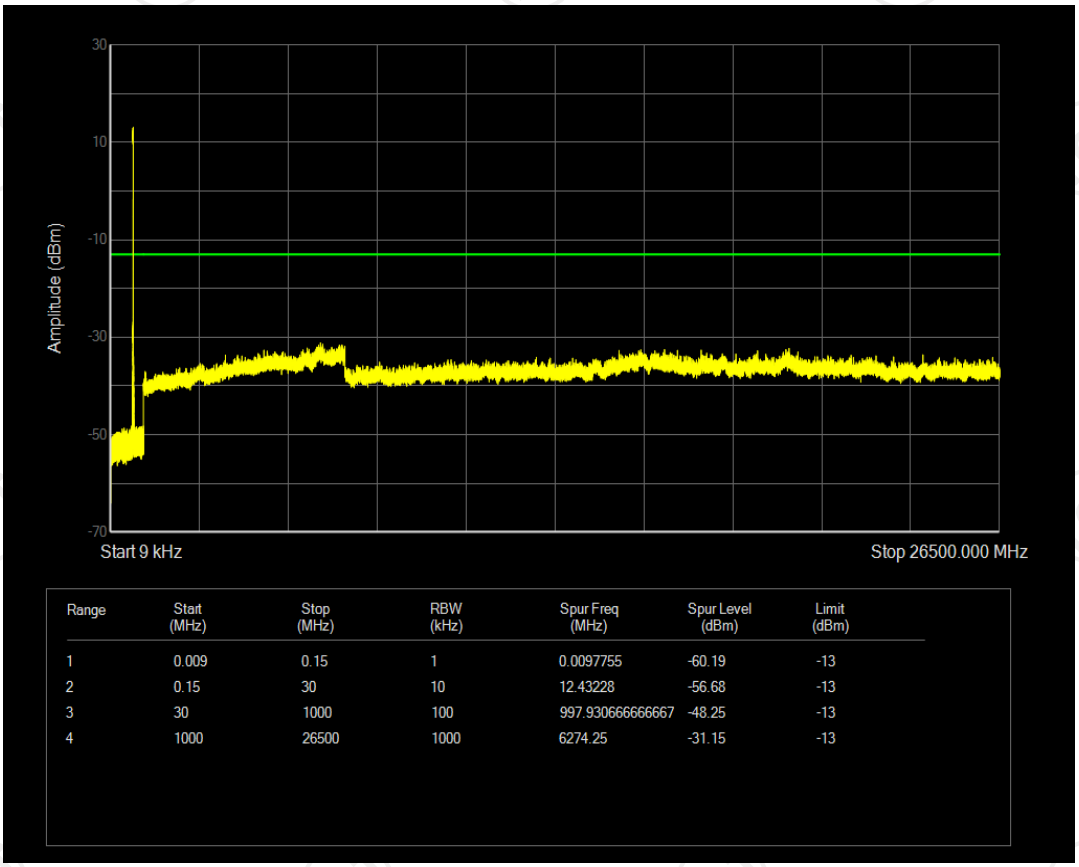
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093149	-61.5	-13
2	0.15	30	10	0.19378	-57.81	-13
3	30	1000	100	959.001333333333	-47.47	-13
4	1000	26500	1000	5860.3	-31.55	-13

Band71 QPSK BW=10MHz Channel=133172 RB Size=50 Position=#0



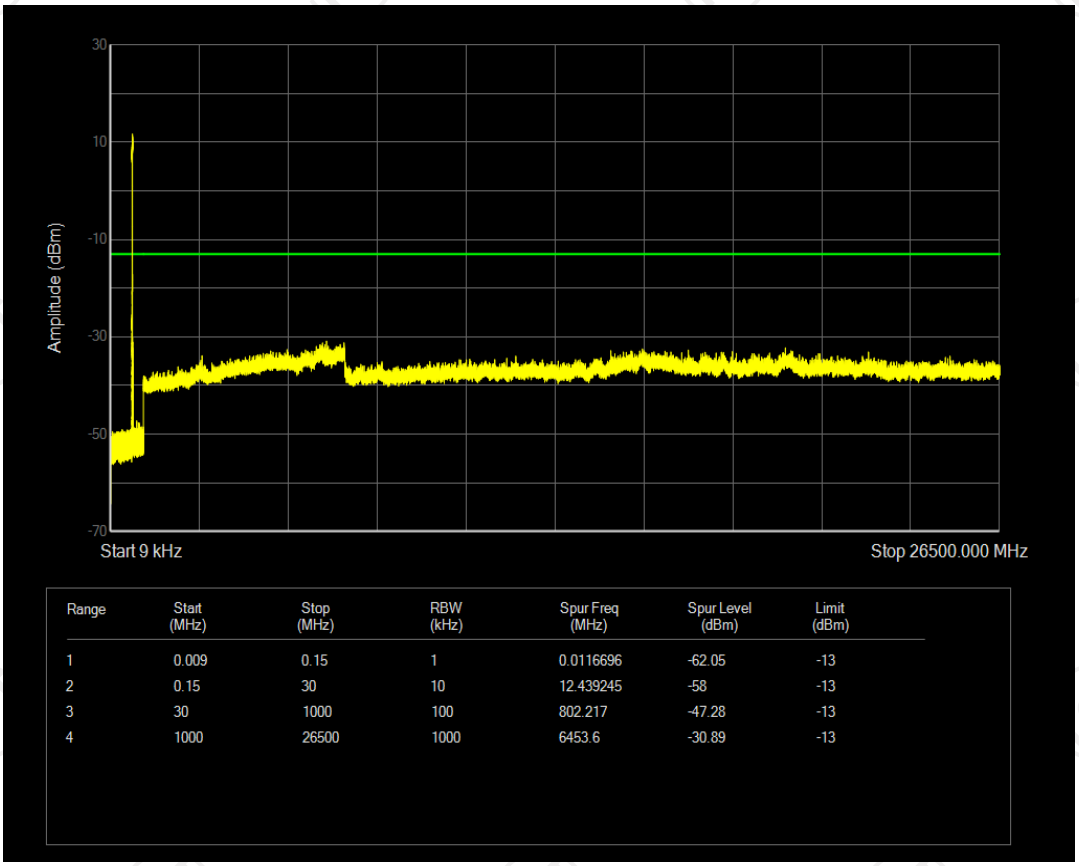
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0126801	-61.88	-13
2	0.15	30	10	0.1699	-57.78	-13
3	30	1000	100	794.166	-47.7	-13
4	1000	26500	1000	6303.15	-31.22	-13

Band71 16QAM BW=5MHz Channel=133447 RB Size=25 Position=#0



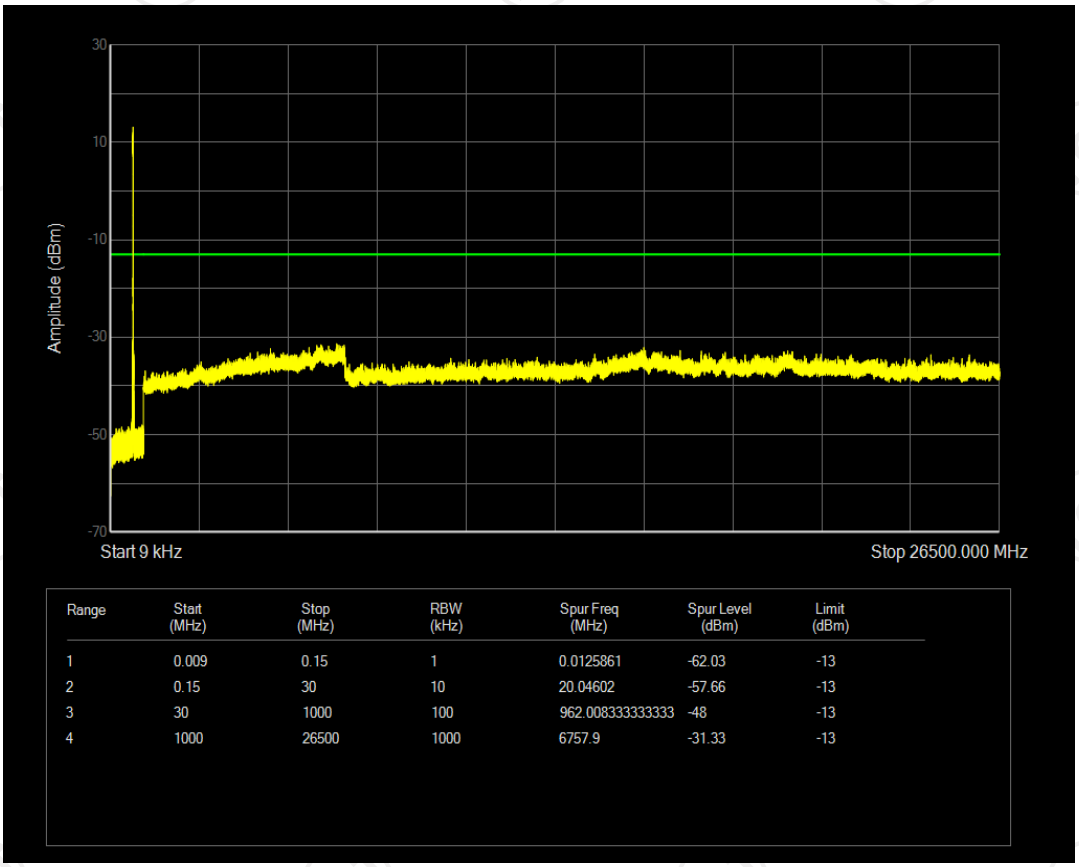
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0097755	-60.19	-13
2	0.15	30	10	12.43228	-56.68	-13
3	30	1000	100	997.930666666667	-48.25	-13
4	1000	26500	1000	6274.25	-31.15	-13

Band71 16QAM BW=10MHz Channel=133172 RB Size=50 Position=#0



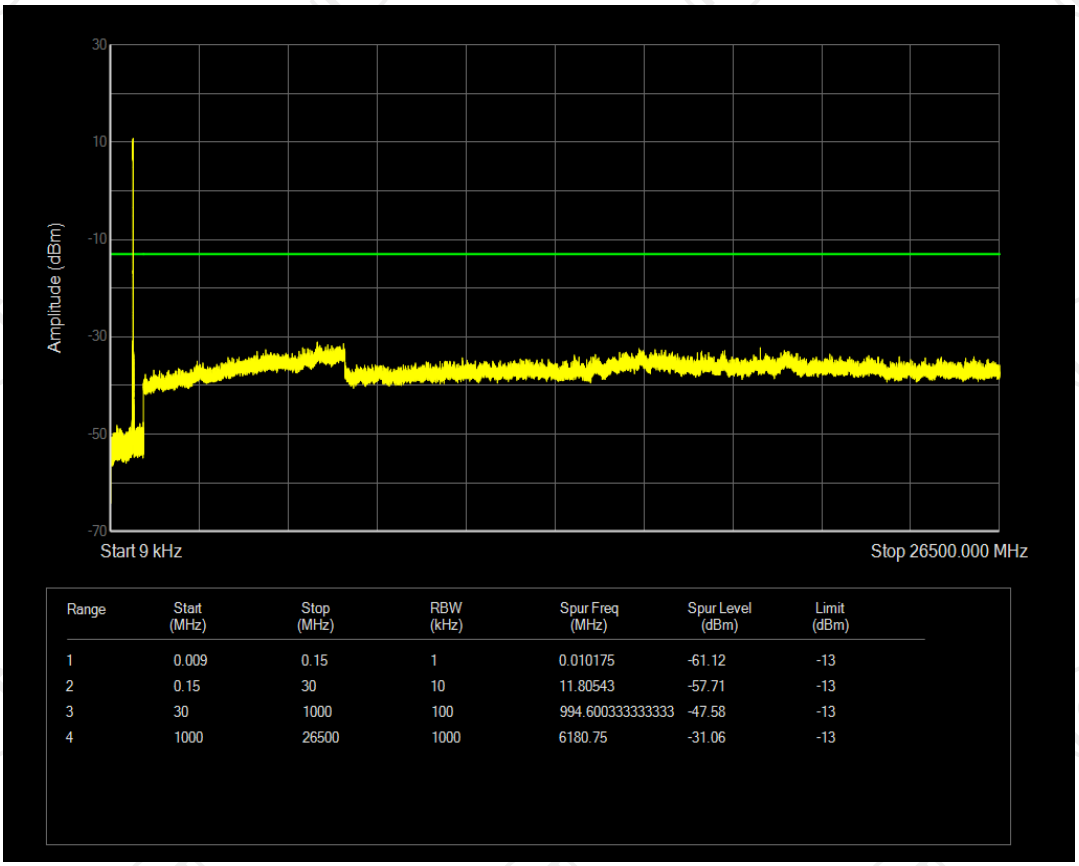
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0116696	-62.05	-13
2	0.15	30	10	12.439245	-58	-13
3	30	1000	100	802.217	-47.28	-13
4	1000	26500	1000	6453.6	-30.89	-13

Band71 QPSK BW=10MHz Channel=133422 RB Size=50 Position=#0



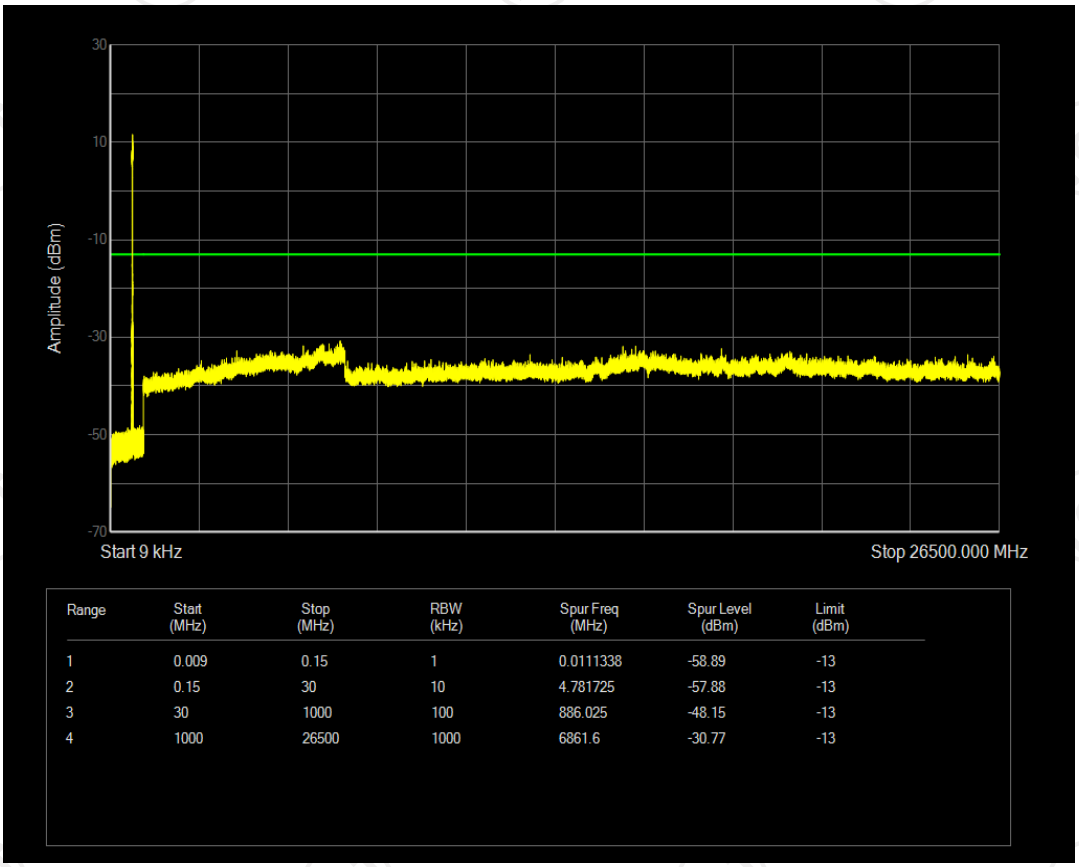
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0125861	-62.03	-13
2	0.15	30	10	20.04602	-57.66	-13
3	30	1000	100	962.008333333333	-48	-13
4	1000	26500	1000	6757.9	-31.33	-13

Band71 16QAM BW=10MHz Channel=133422 RB Size=50 Position=#0



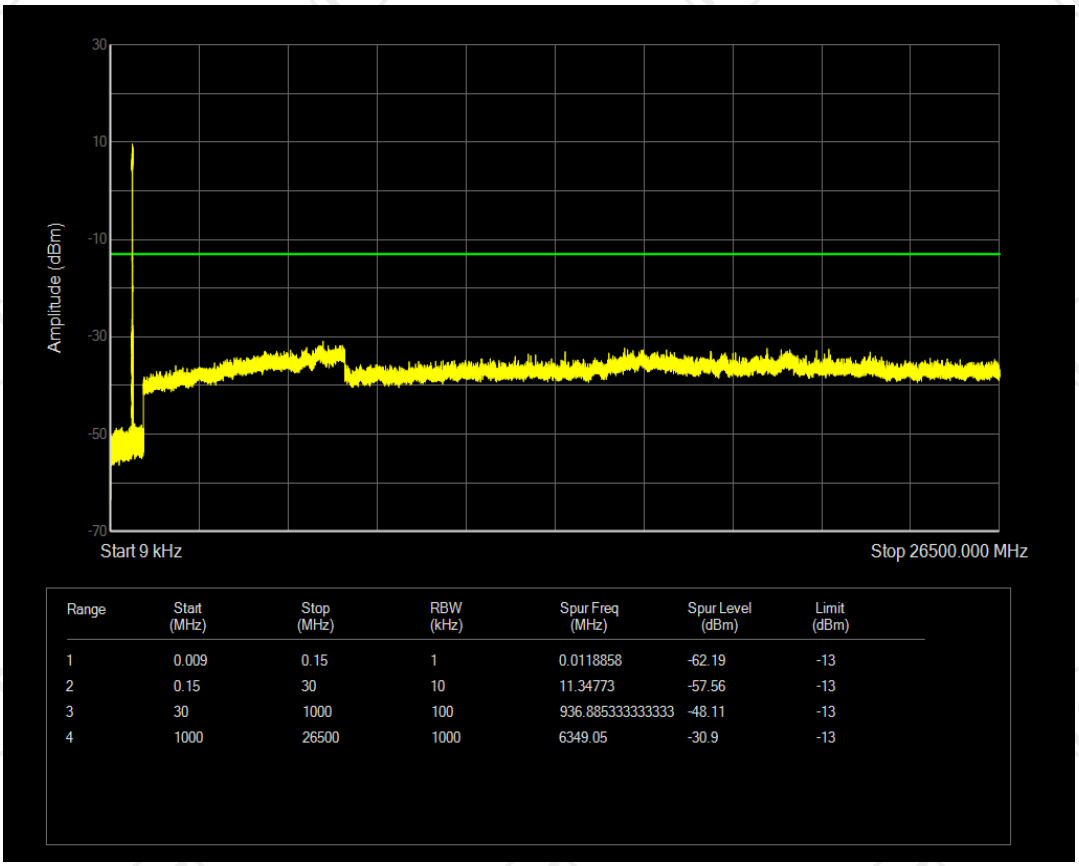
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010175	-61.12	-13
2	0.15	30	10	11.80543	-57.71	-13
3	30	1000	100	994.600333333333	-47.58	-13
4	1000	26500	1000	6180.75	-31.06	-13

Band71 QPSK BW=15MHz Channel=133197 RB Size=75 Position=#0



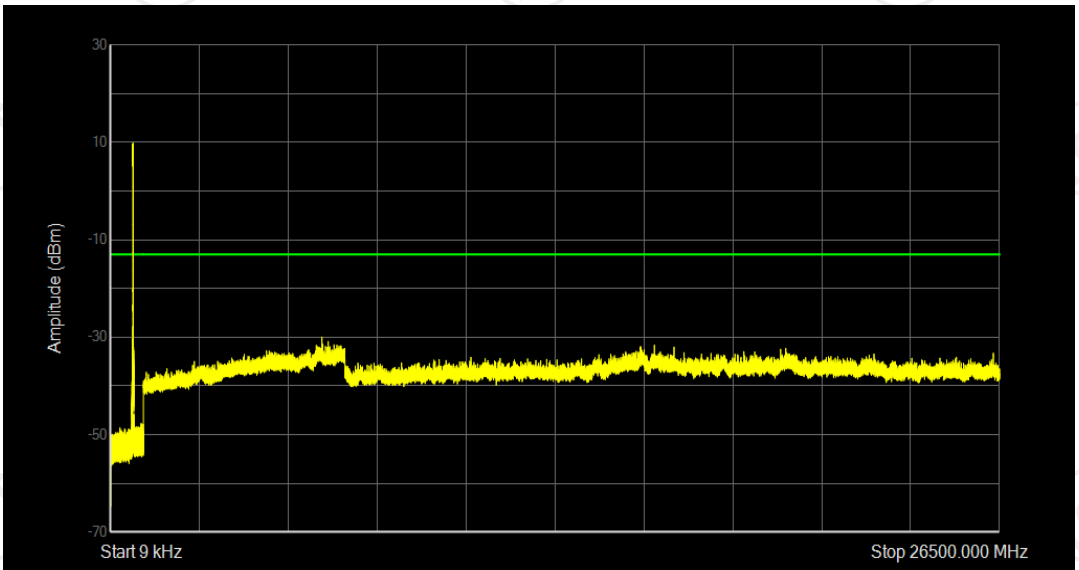
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0111338	-58.89	-13
2	0.15	30	10	4.781725	-57.88	-13
3	30	1000	100	886.025	-48.15	-13
4	1000	26500	1000	6861.6	-30.77	-13

Band71 16QAM BW=15MHz Channel=133197 RB Size=75 Position=#0



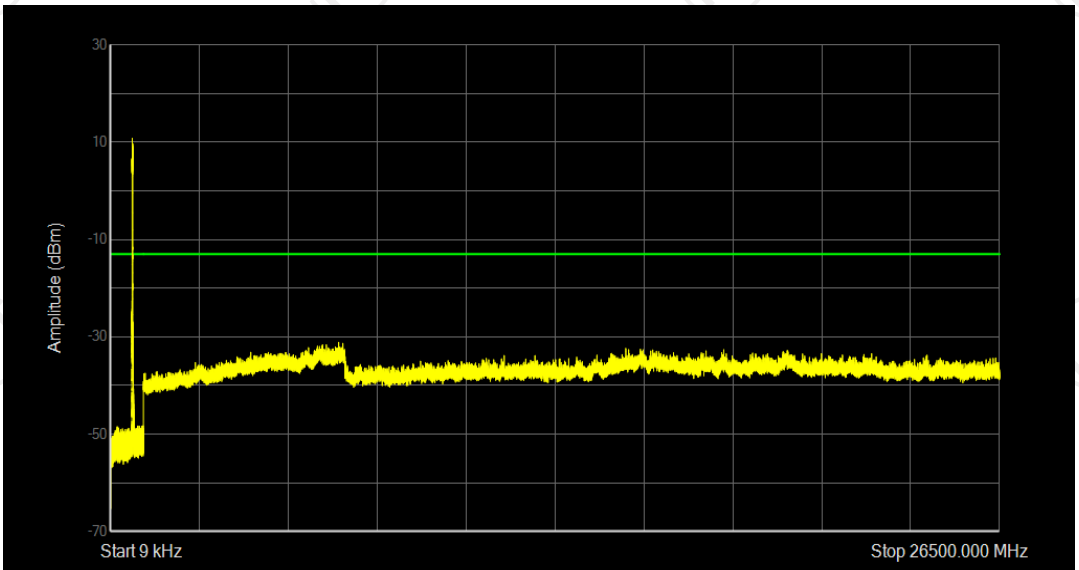
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0118858	-62.19	-13
2	0.15	30	10	11.34773	-57.56	-13
3	30	1000	100	936.885333333333	-48.11	-13
4	1000	26500	1000	6349.05	-30.9	-13

Band71 QPSK BW=15MHz Channel=133397 RB Size=75 Position=#0



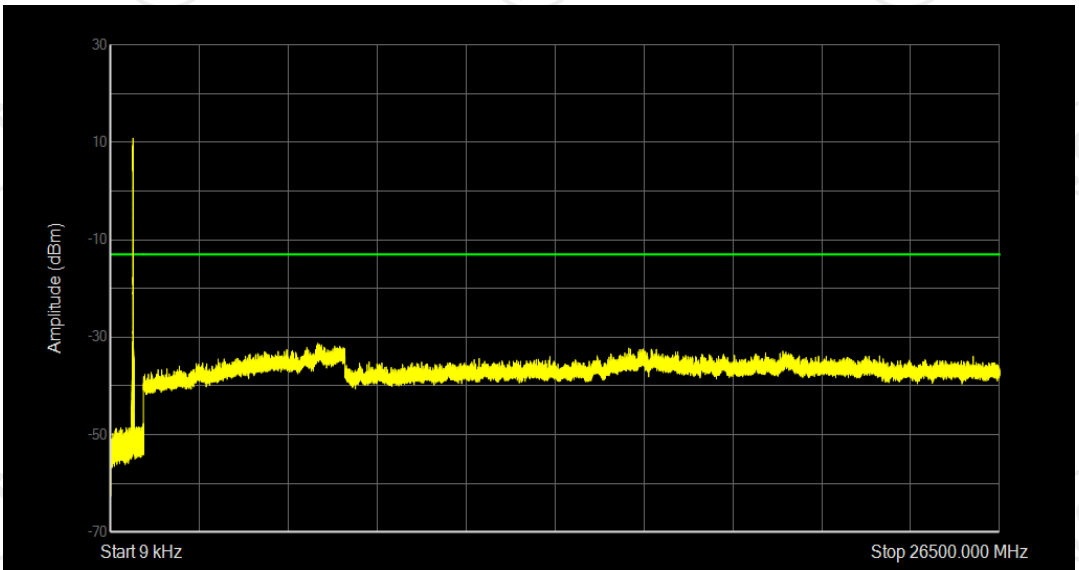
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0090282	-60.13	-13
2	0.15	30	10	11.6323	-57.53	-13
3	30	1000	100	933.813666666667	-47.66	-13
4	1000	26500	1000	6315.05	-29.96	-13

Band71 QPSK BW=20MHz Channel=133222 RB Size=100 Position=#0



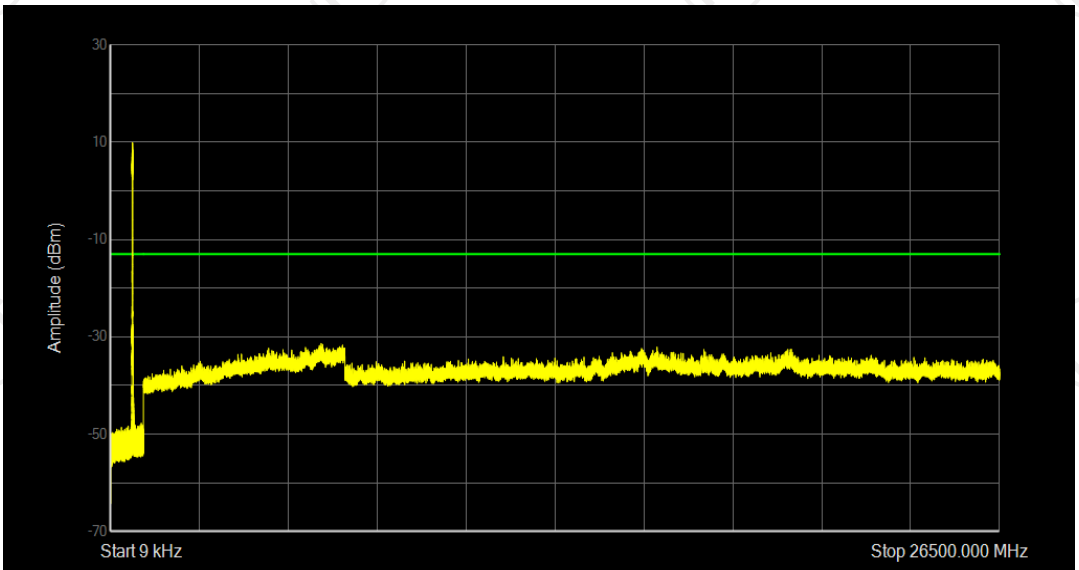
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-61.64	-13
2	0.15	30	10	6.46029	-56.86	-13
3	30	1000	100	991.981333333333	-48.27	-13
4	1000	26500	1000	6813.15	-31.14	-13

Band71 16QAM BW=15MHz Channel=133397 RB Size=75 Position=#0



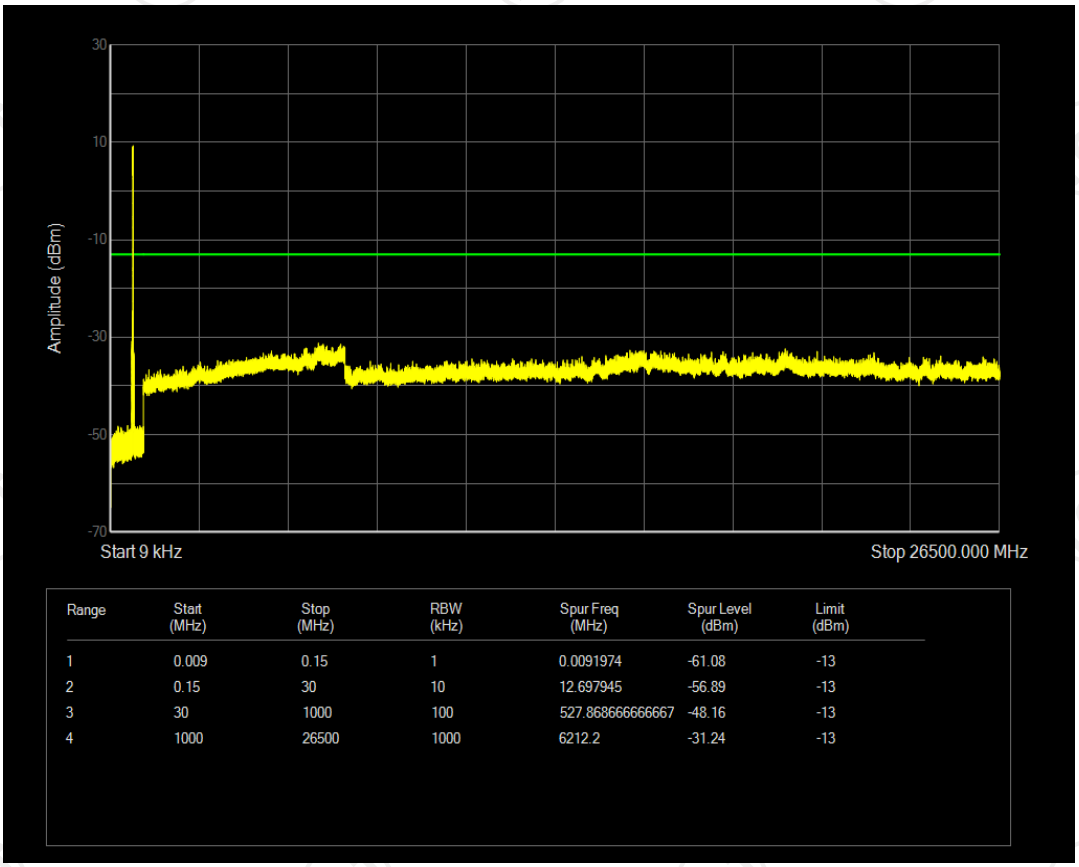
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0153497	-60	-13
2	0.15	30	10	12.51984	-57.22	-13
3	30	1000	100	997.898333333333	-47.73	-13
4	1000	26500	1000	6196.05	-31.27	-13

Band71 16QAM BW=20MHz Channel=133222 RB Size=100 Position=#0



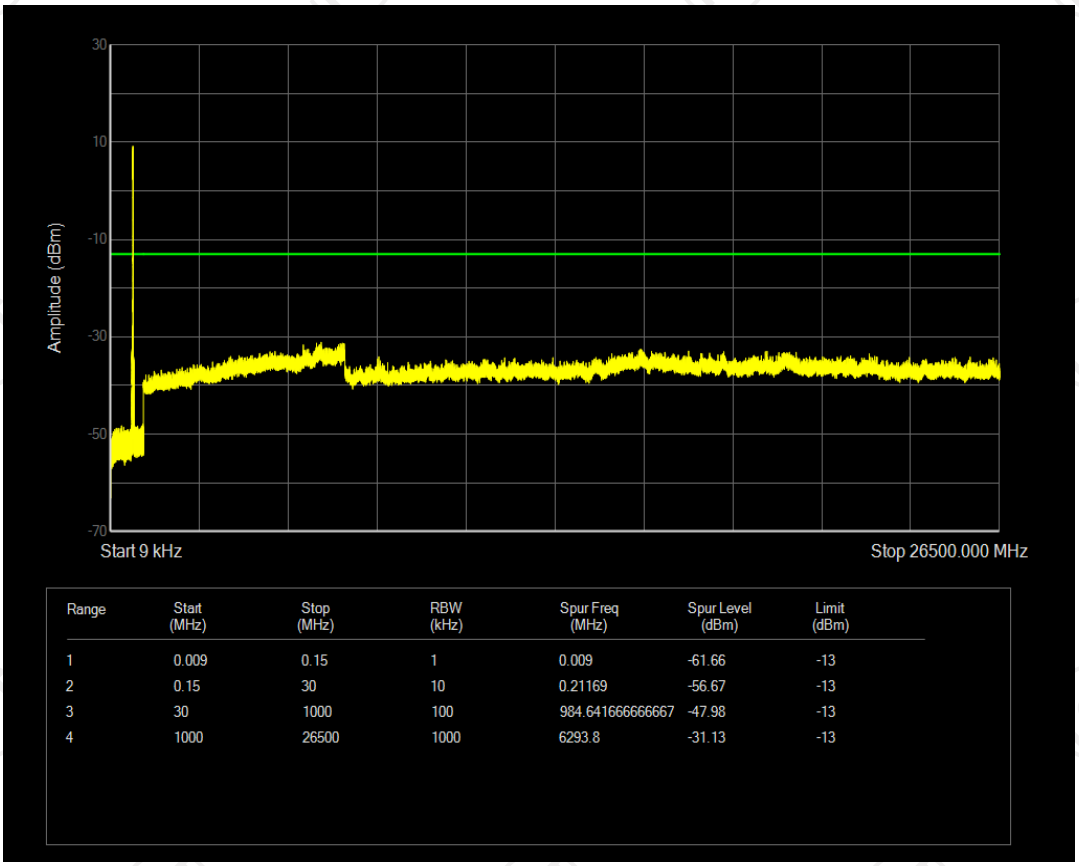
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0127271	-62.11	-13
2	0.15	30	10	6.46228	-57.04	-13
3	30	1000	100	934.104666666667	-47.76	-13
4	1000	26500	1000	6293.8	-31.36	-13

Band71 QPSK BW=20MHz Channel=133372 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091974	-61.08	-13
2	0.15	30	10	12.697945	-56.89	-13
3	30	1000	100	527.868666666667	-48.16	-13
4	1000	26500	1000	6212.2	-31.24	-13

Band71 16QAM BW=20MHz Channel=133372 RB Size=100 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	-61.66	-13
2	0.15	30	10	0.21169	-56.67	-13
3	30	1000	100	984.641666666667	-47.98	-13
4	1000	26500	1000	6293.8	-31.13	-13