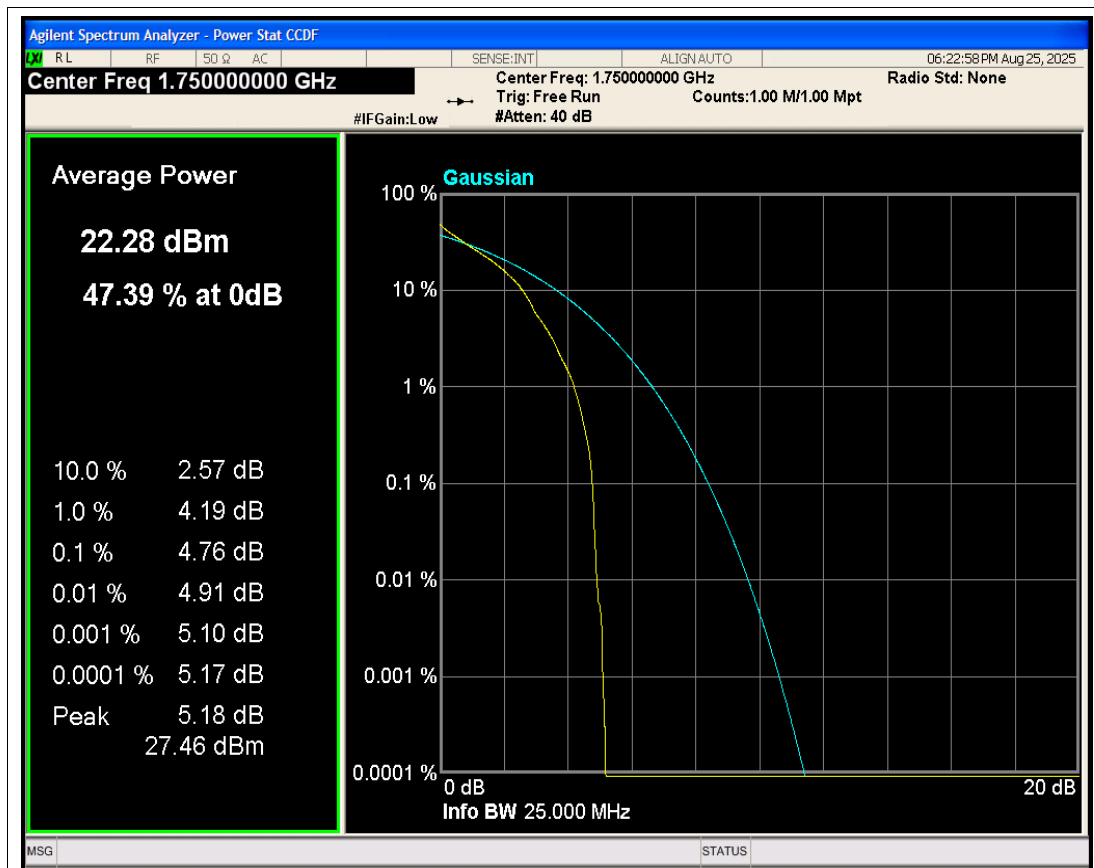
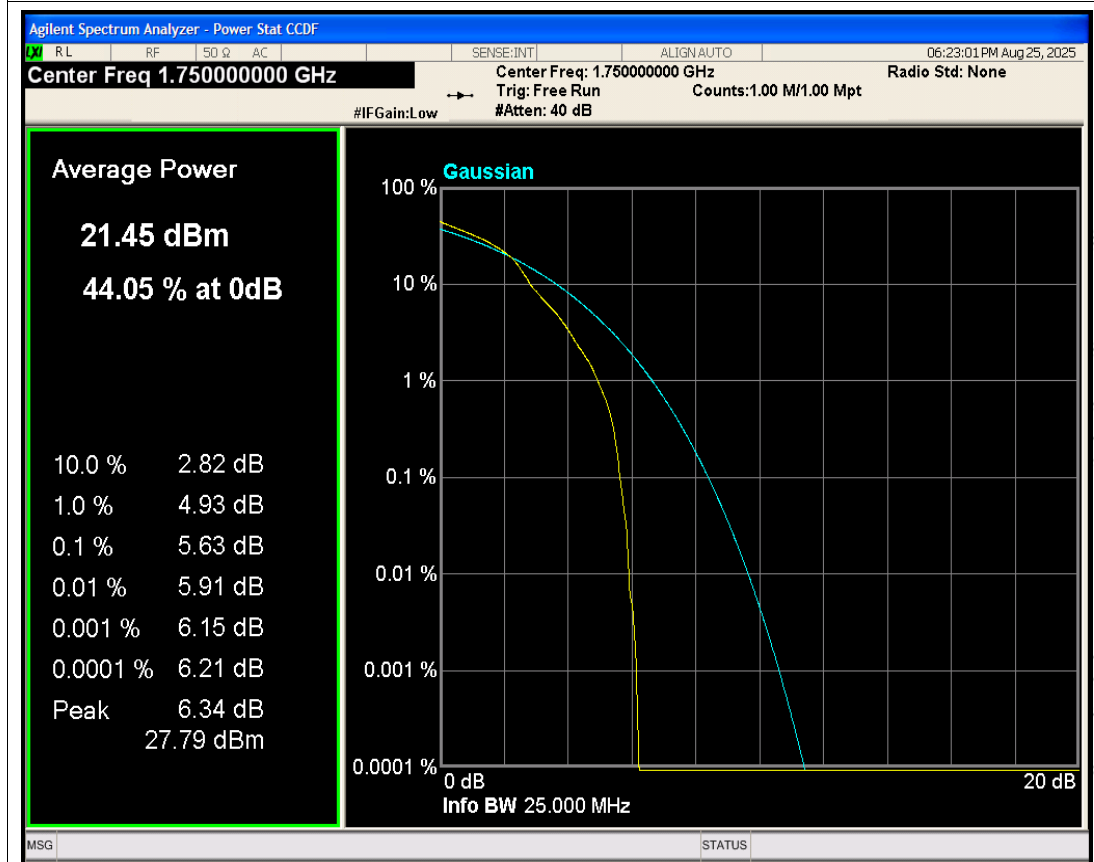
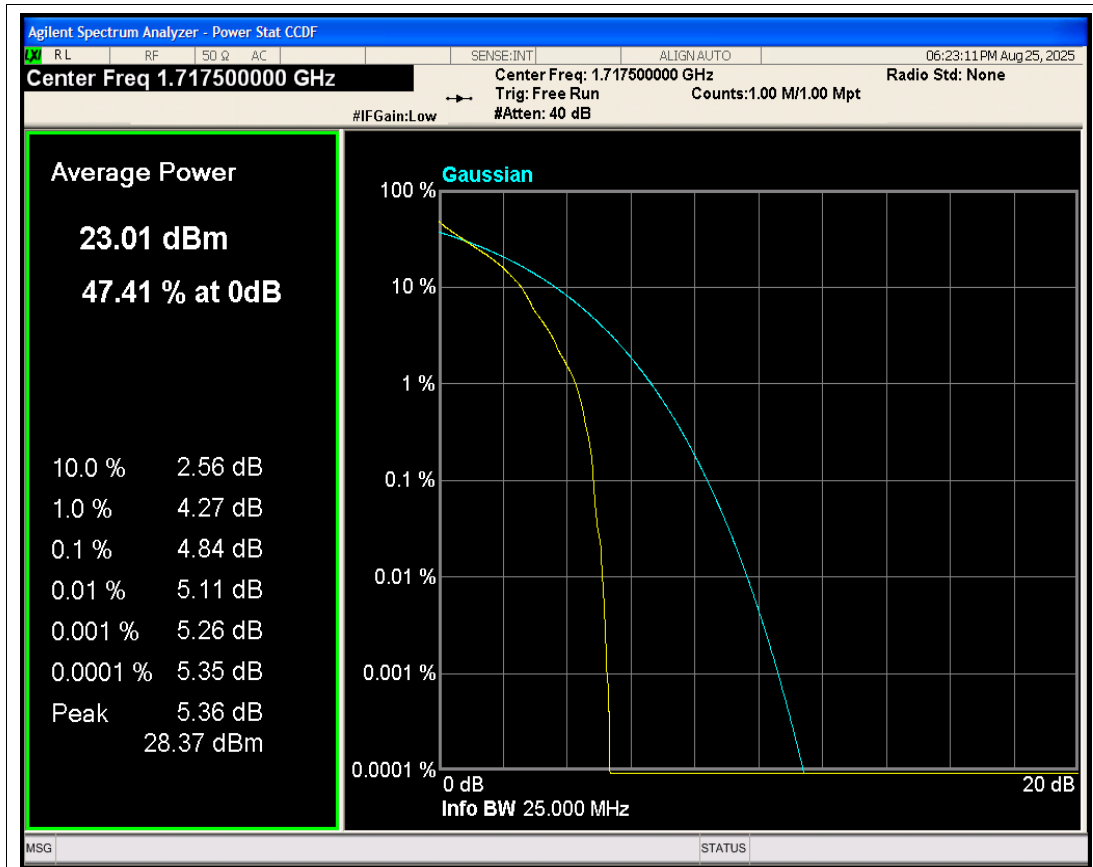




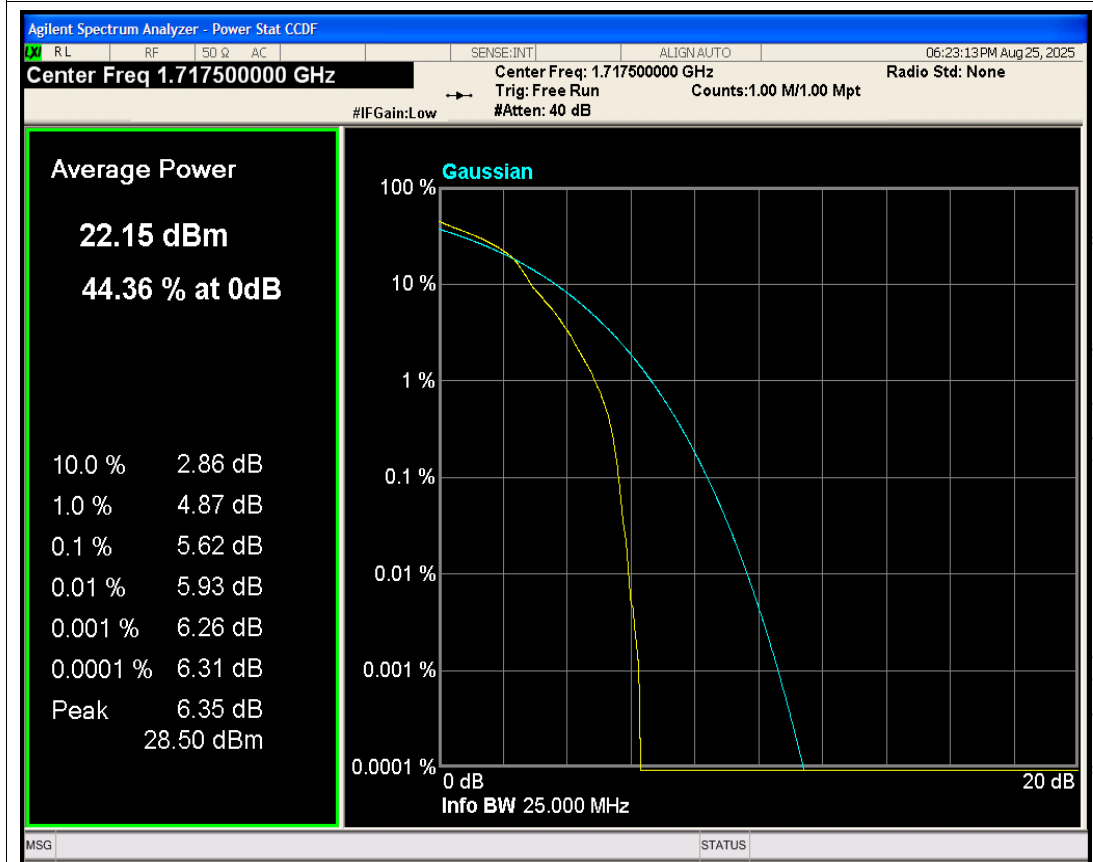
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



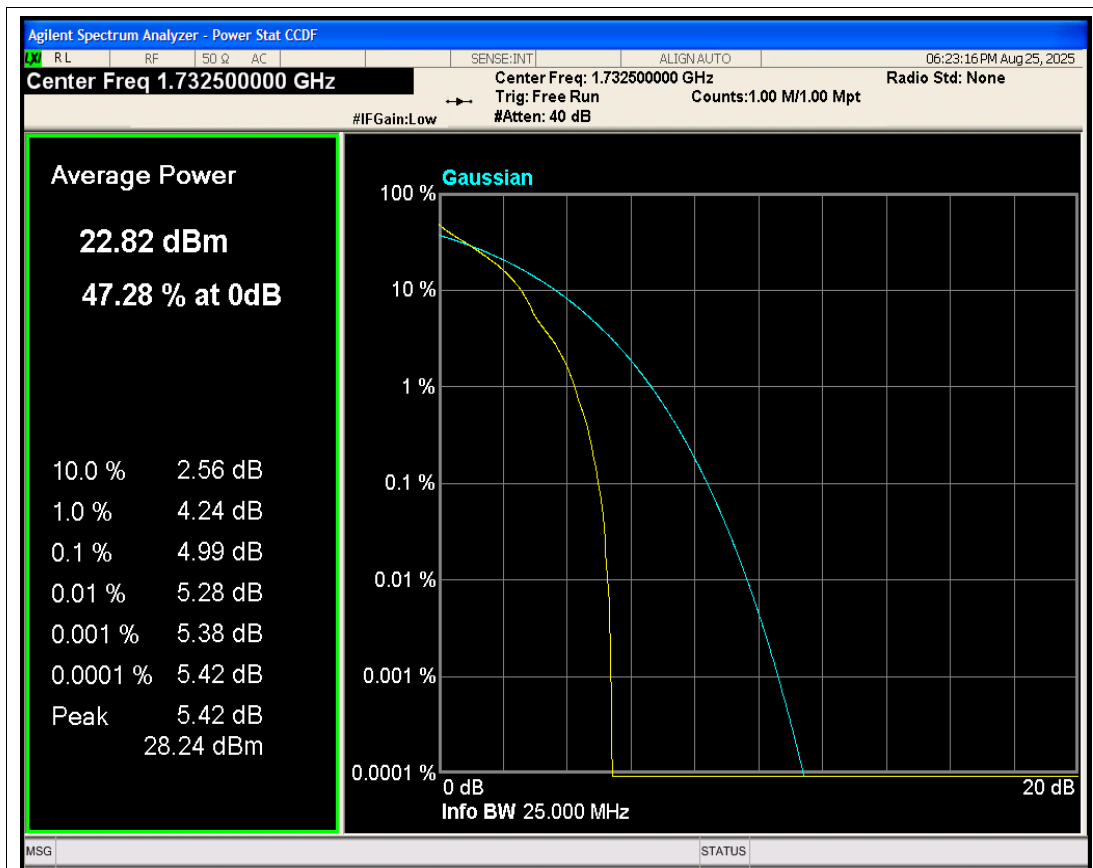
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



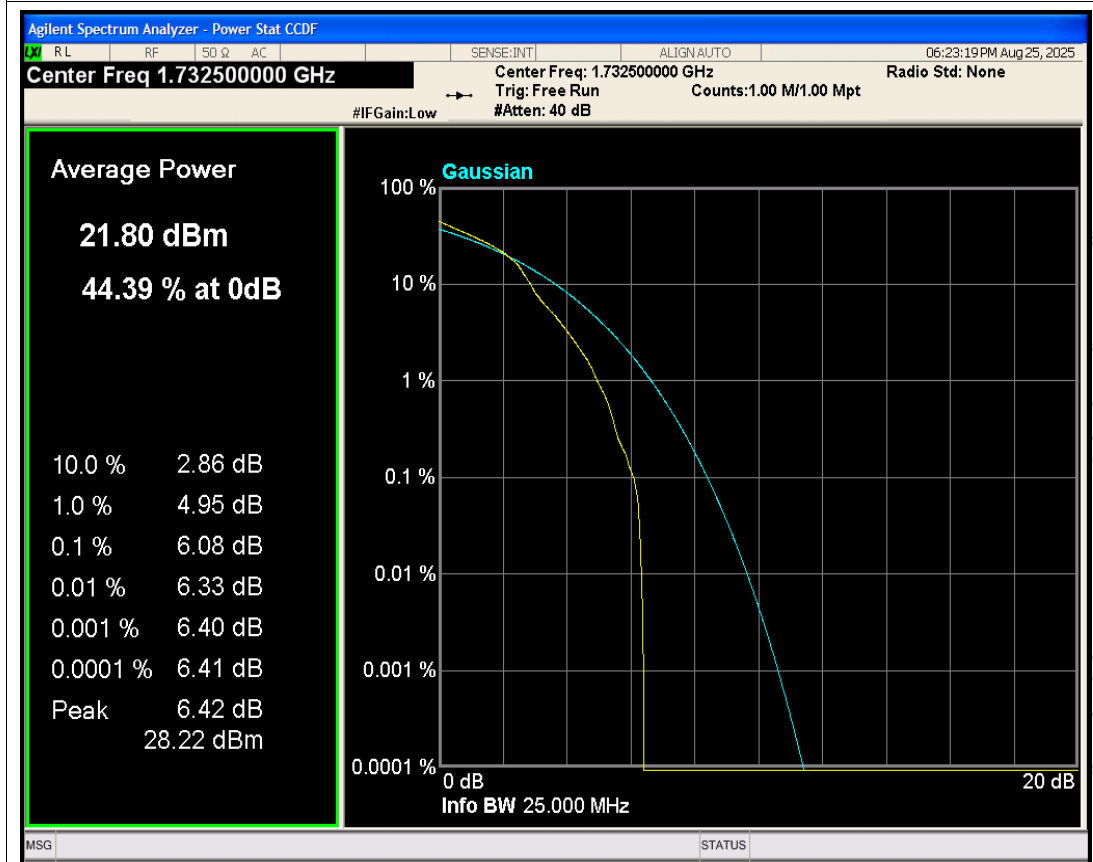
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



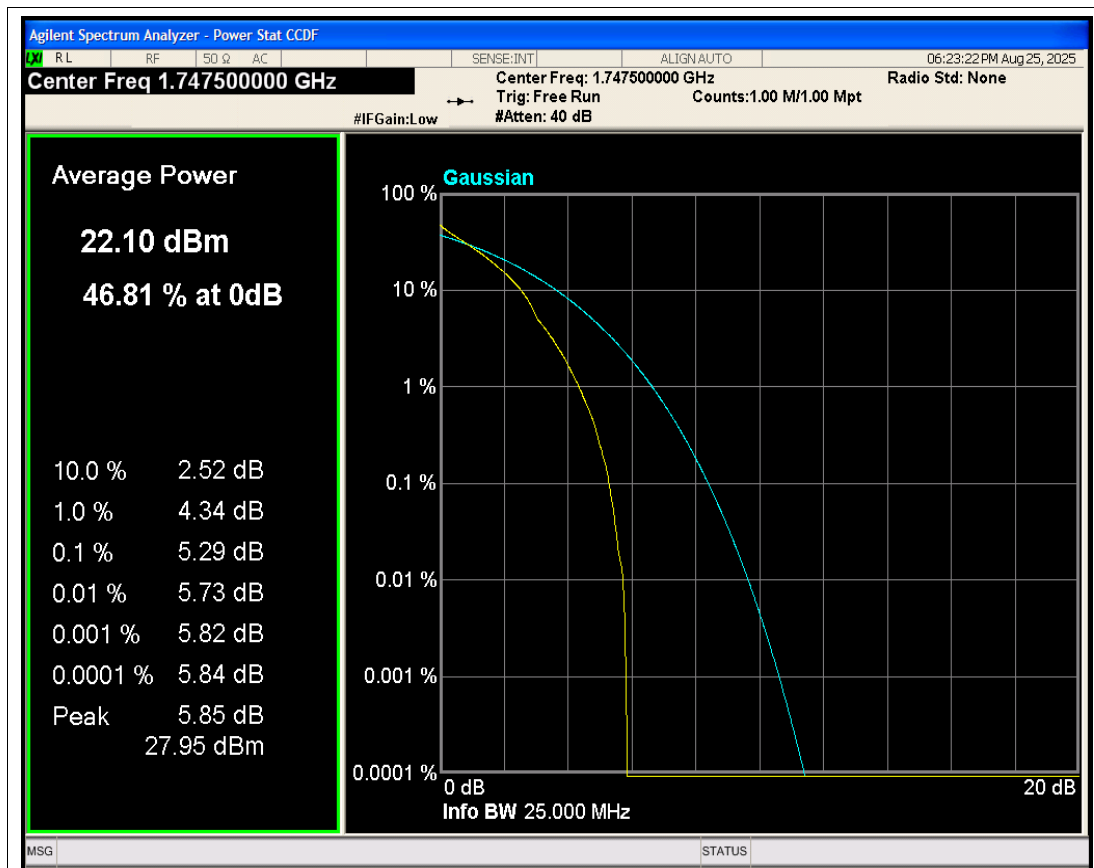
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



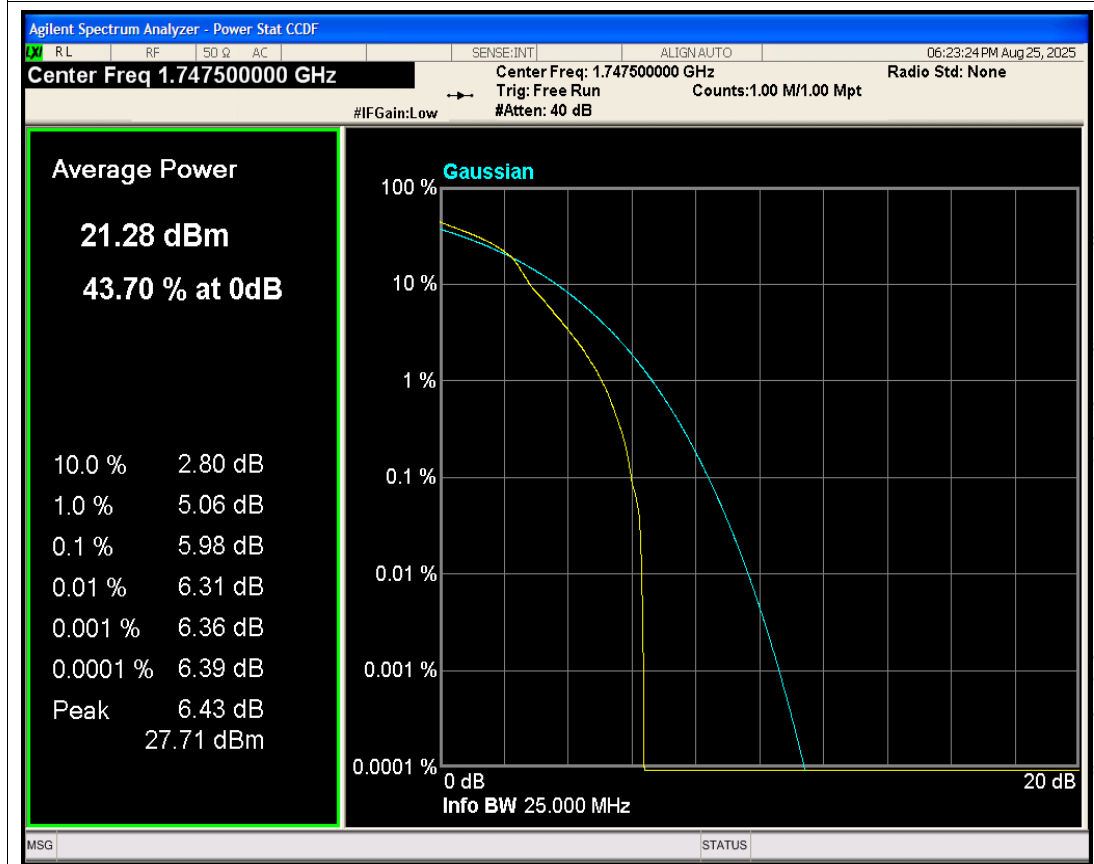
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



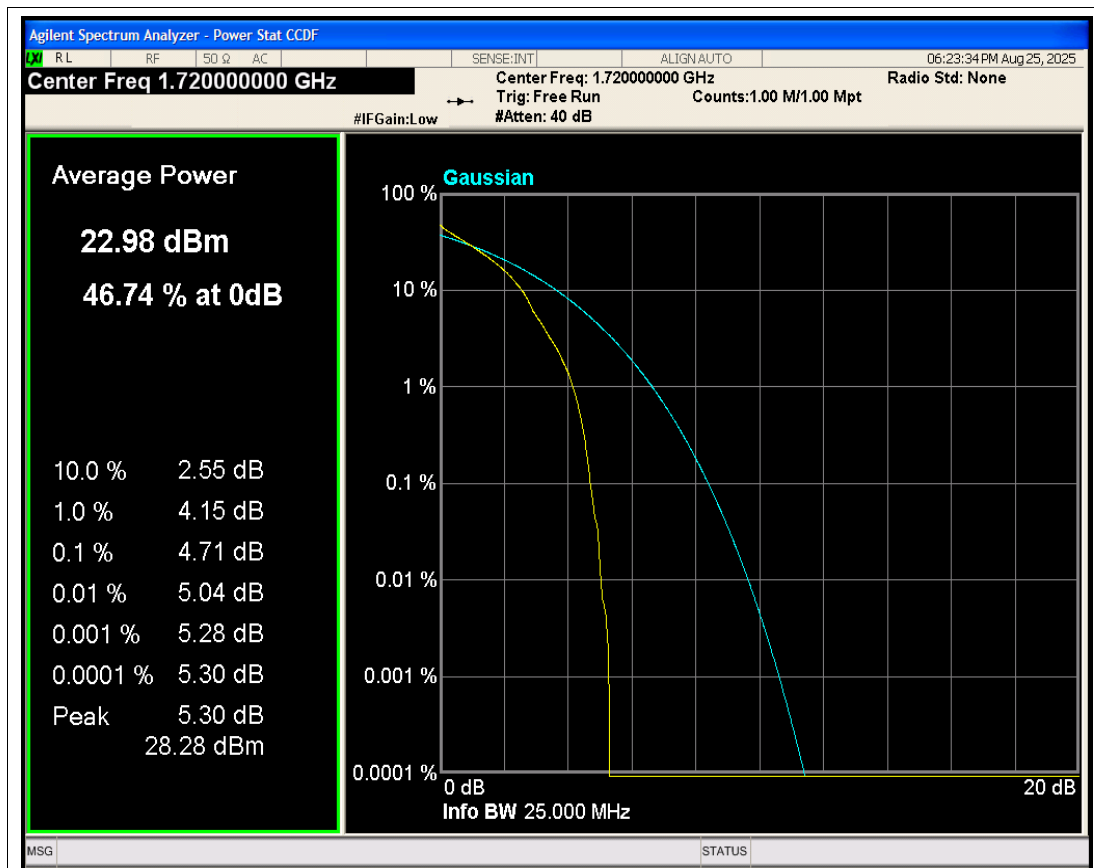
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



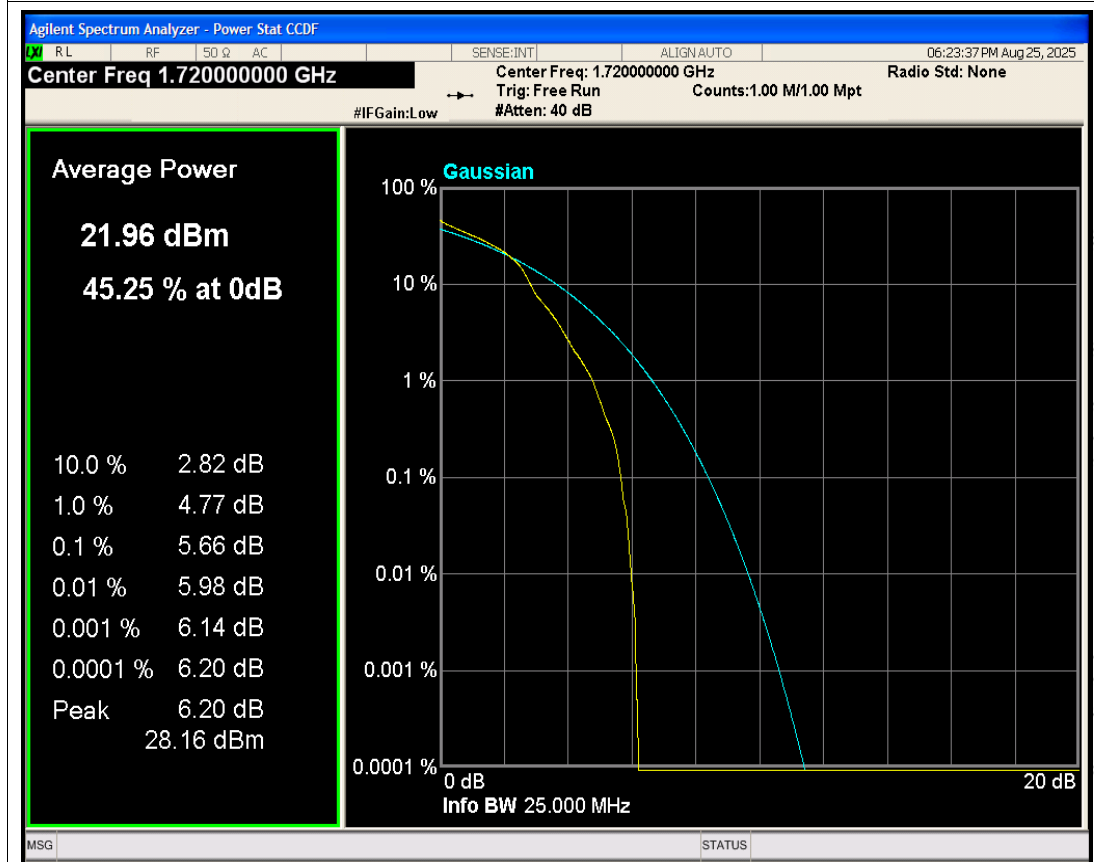
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



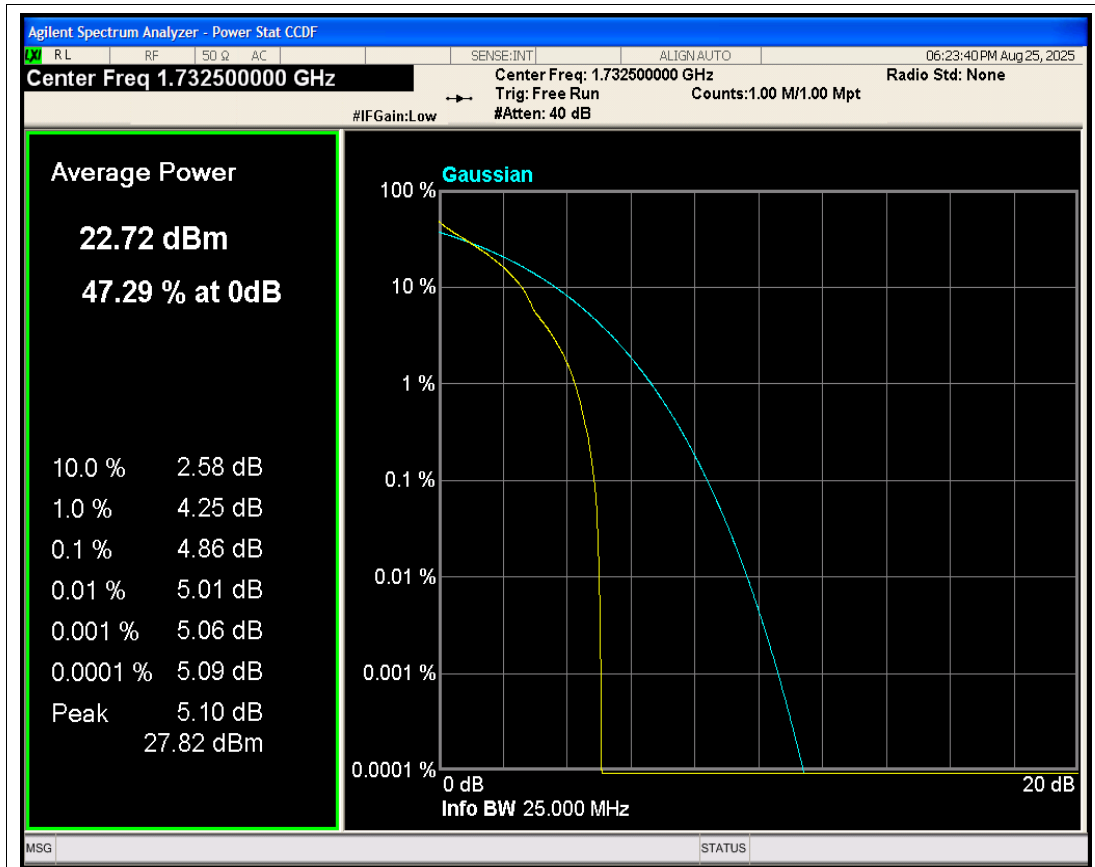
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



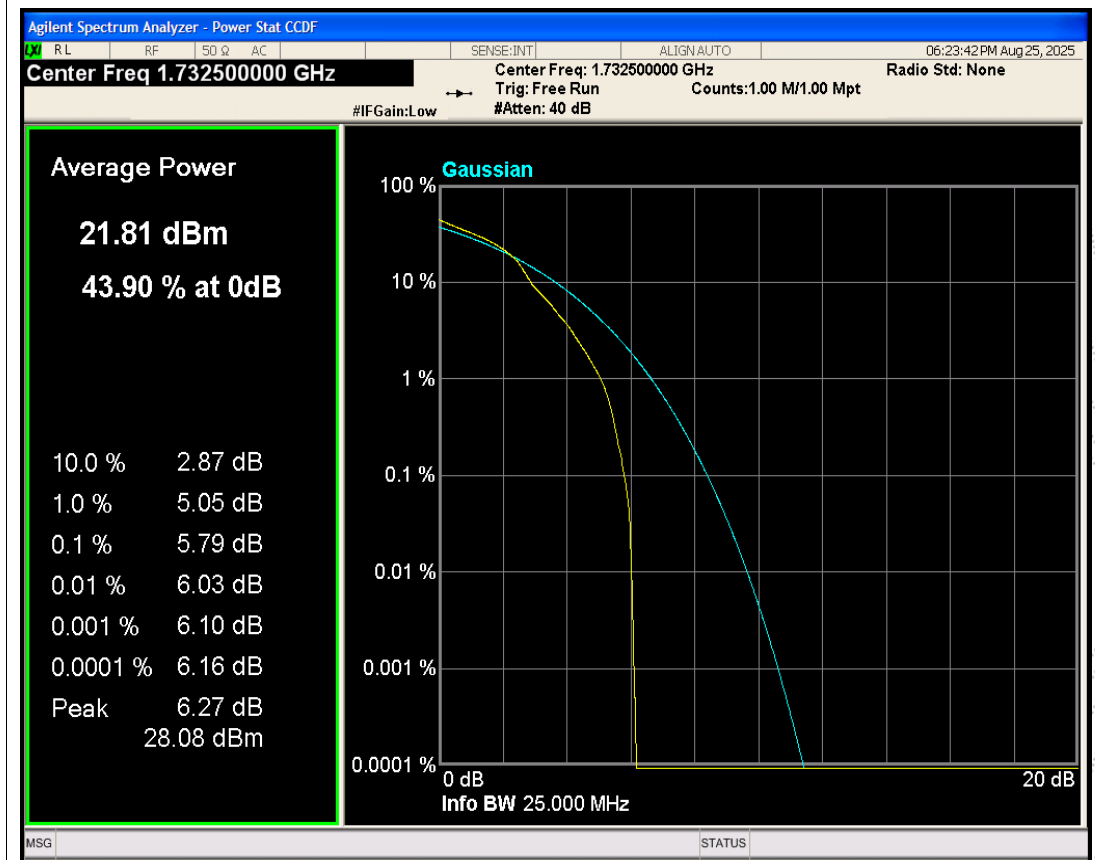
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



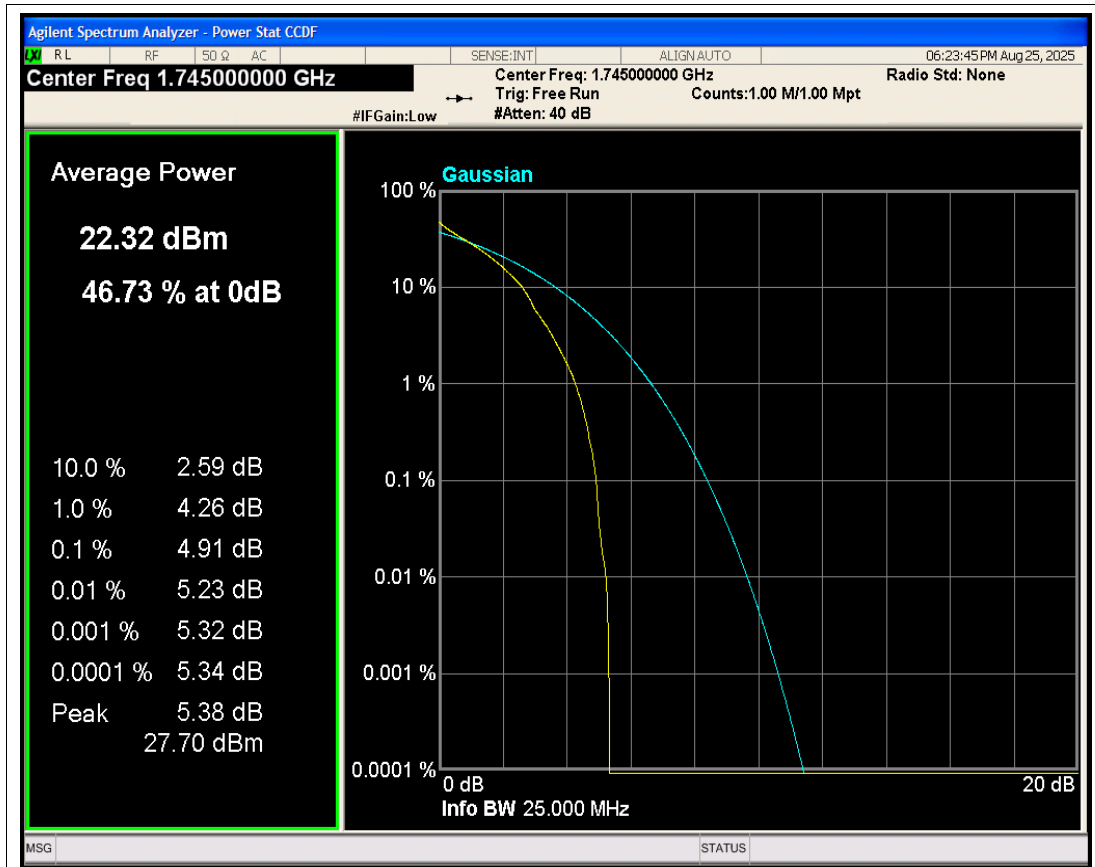
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



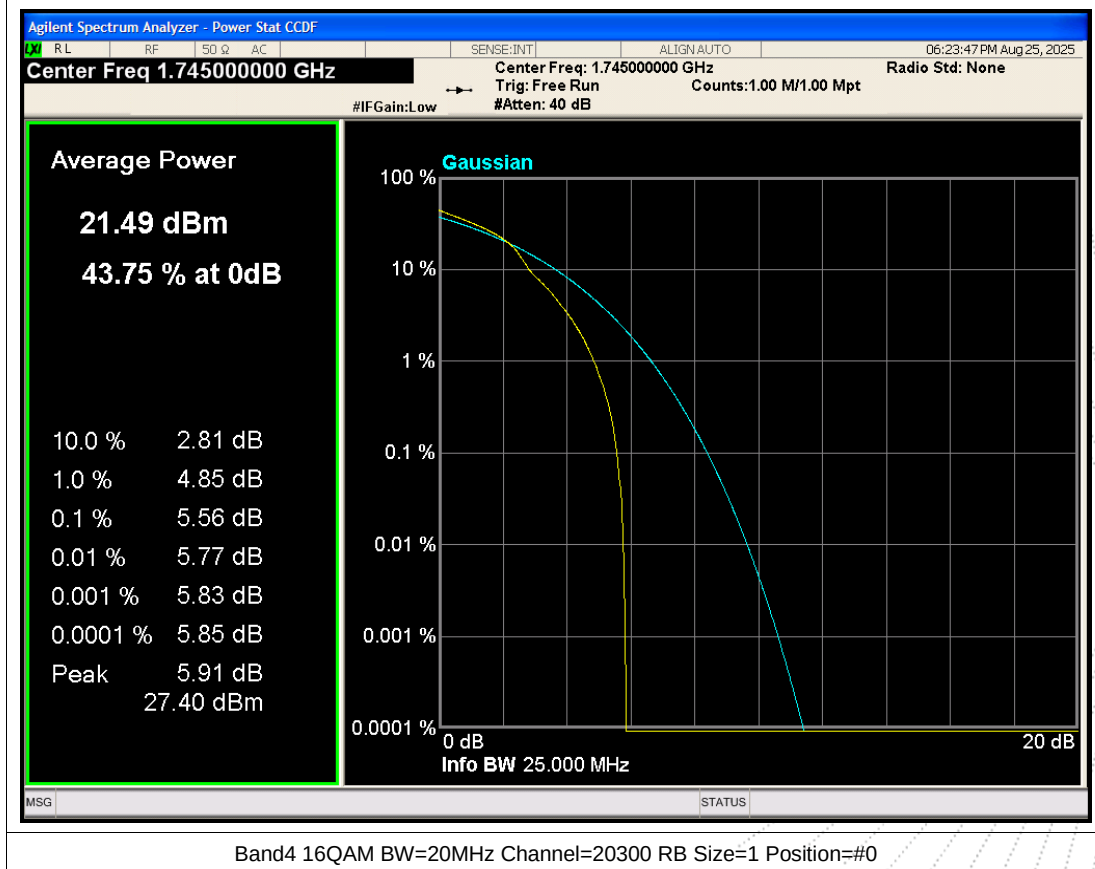
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



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



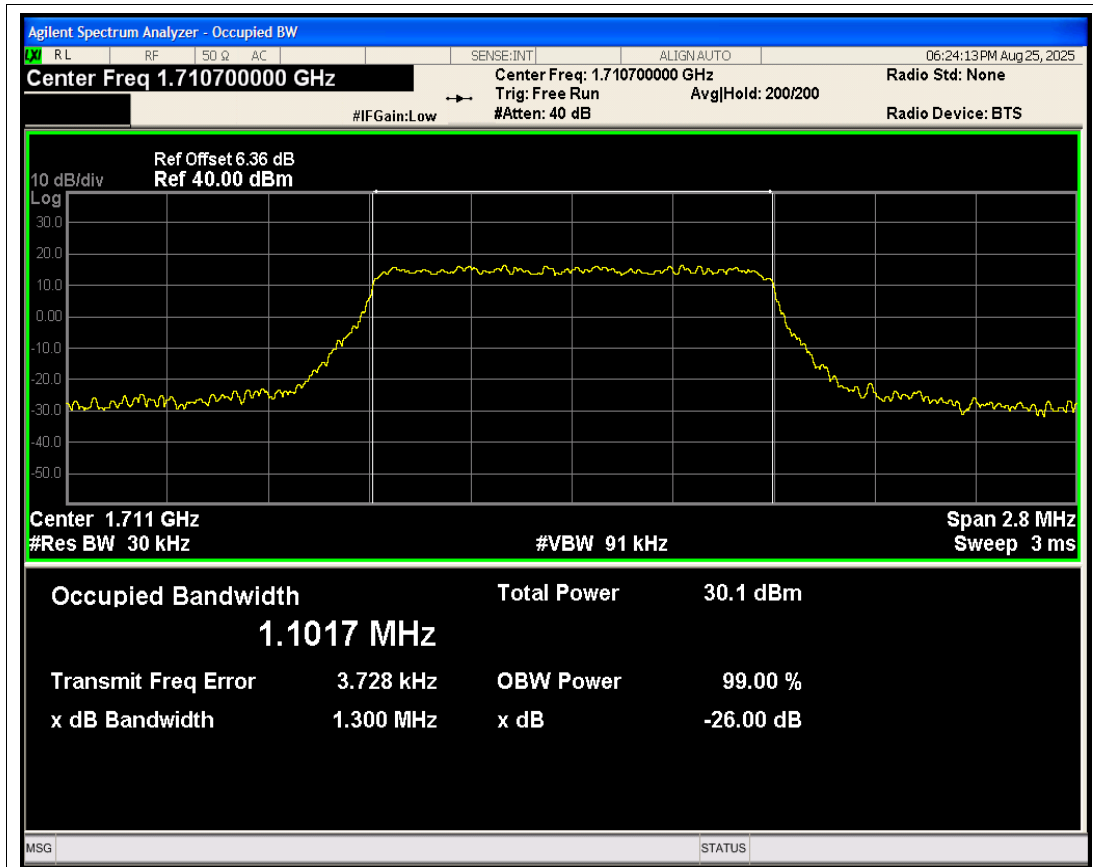
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



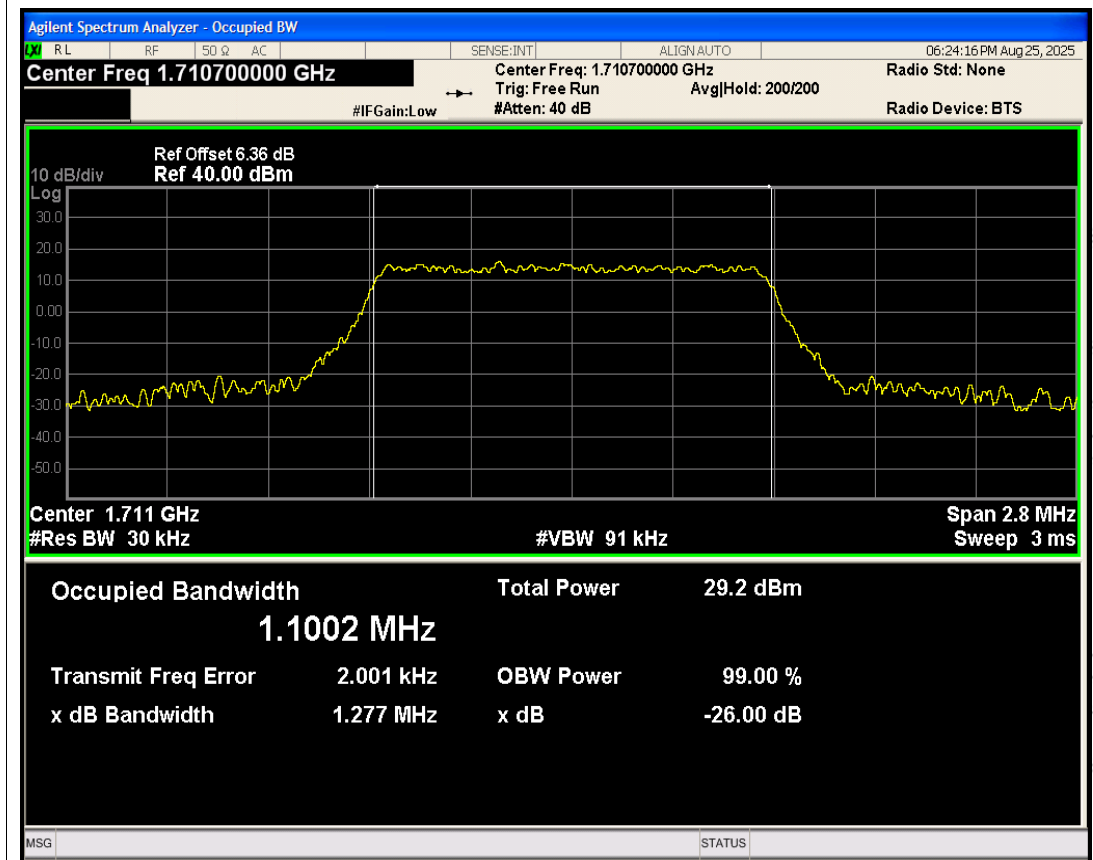
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0

Appendix 4.Occupied bandwidth

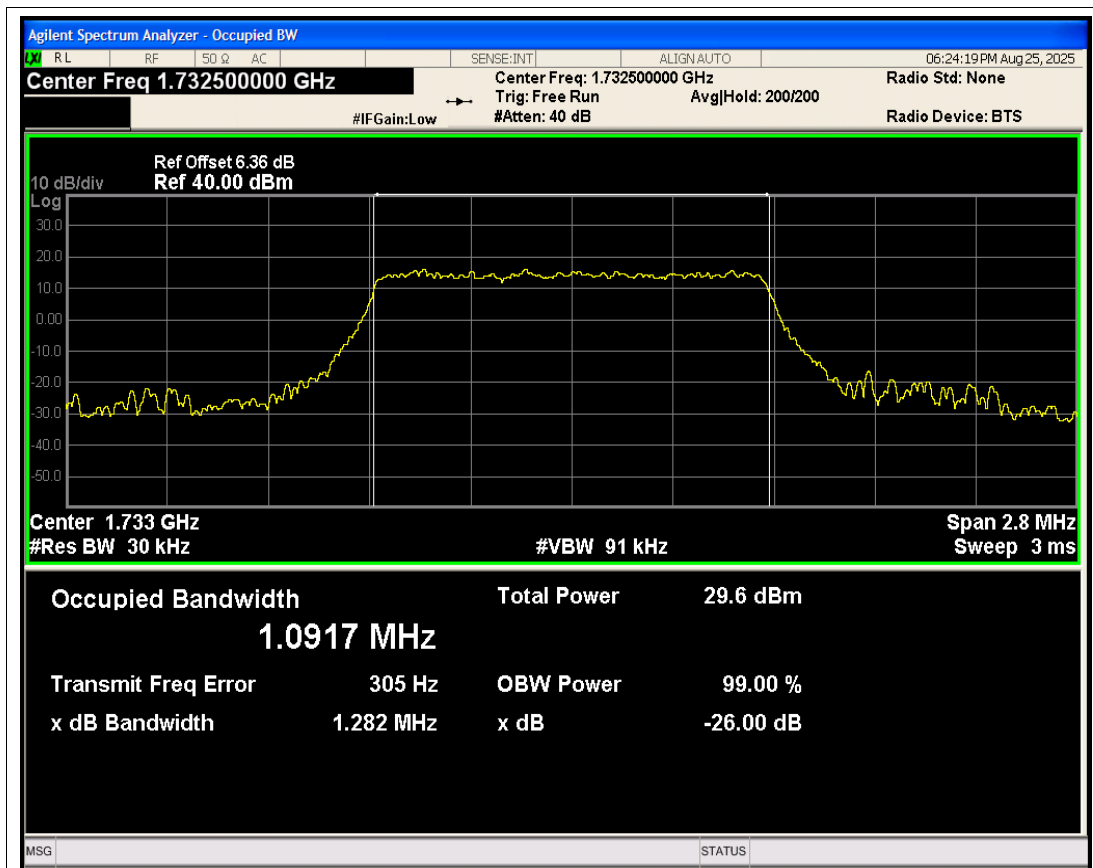
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.102	1.300	PASS
Band4	1.4	19957	6	#0	16QAM	1.100	1.277	PASS
Band4	1.4	20175	6	#0	QPSK	1.092	1.282	PASS
Band4	1.4	20175	6	#0	16QAM	1.098	1.288	PASS
Band4	1.4	20393	6	#0	QPSK	1.093	1.283	PASS
Band4	1.4	20393	6	#0	16QAM	1.094	1.260	PASS
Band4	3	19965	15	#0	QPSK	2.698	2.919	PASS
Band4	3	19965	15	#0	16QAM	2.700	2.911	PASS
Band4	3	20175	15	#0	QPSK	2.696	2.935	PASS
Band4	3	20175	15	#0	16QAM	2.689	2.941	PASS
Band4	3	20385	15	#0	QPSK	2.701	2.920	PASS
Band4	3	20385	15	#0	16QAM	2.689	2.956	PASS
Band4	5	19975	25	#0	QPSK	4.517	4.960	PASS
Band4	5	19975	25	#0	16QAM	4.503	4.894	PASS
Band4	5	20175	25	#0	QPSK	4.504	4.887	PASS
Band4	5	20175	25	#0	16QAM	4.498	4.917	PASS
Band4	5	20375	25	#0	QPSK	4.516	4.931	PASS
Band4	5	20375	25	#0	16QAM	4.515	4.954	PASS
Band4	10	20000	50	#0	QPSK	8.964	9.797	PASS
Band4	10	20000	50	#0	16QAM	8.969	9.682	PASS
Band4	10	20175	50	#0	QPSK	8.985	9.597	PASS
Band4	10	20175	50	#0	16QAM	8.993	9.812	PASS
Band4	10	20350	50	#0	QPSK	8.976	9.736	PASS
Band4	10	20350	50	#0	16QAM	8.980	9.710	PASS
Band4	15	20025	75	#0	QPSK	13.455	14.464	PASS
Band4	15	20025	75	#0	16QAM	13.413	14.607	PASS
Band4	15	20175	75	#0	QPSK	13.421	14.534	PASS
Band4	15	20175	75	#0	16QAM	13.431	14.605	PASS
Band4	15	20325	75	#0	QPSK	13.441	14.578	PASS
Band4	15	20325	75	#0	16QAM	13.430	14.573	PASS
Band4	20	20050	100	#0	QPSK	17.937	19.124	PASS
Band4	20	20050	100	#0	16QAM	17.945	19.262	PASS
Band4	20	20175	100	#0	QPSK	17.933	19.299	PASS
Band4	20	20175	100	#0	16QAM	17.911	19.102	PASS
Band4	20	20300	100	#0	QPSK	17.944	19.137	PASS
Band4	20	20300	100	#0	16QAM	17.938	19.247	PASS



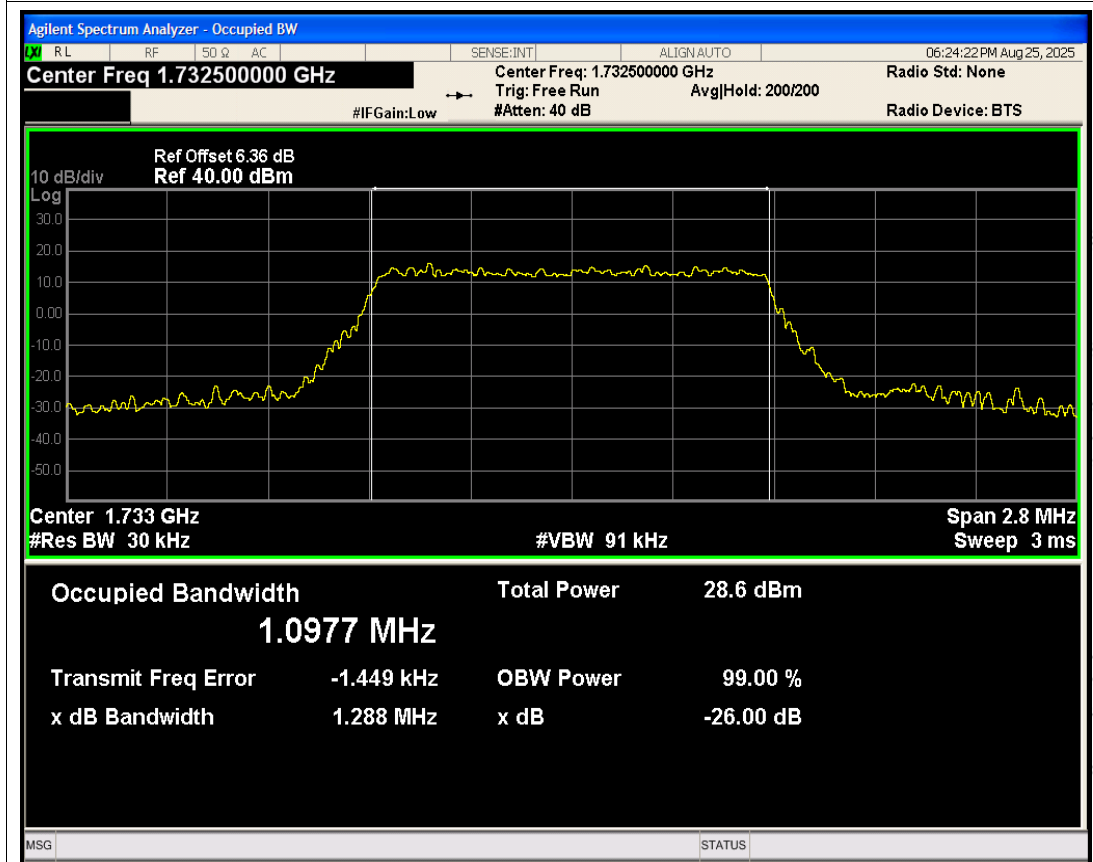
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



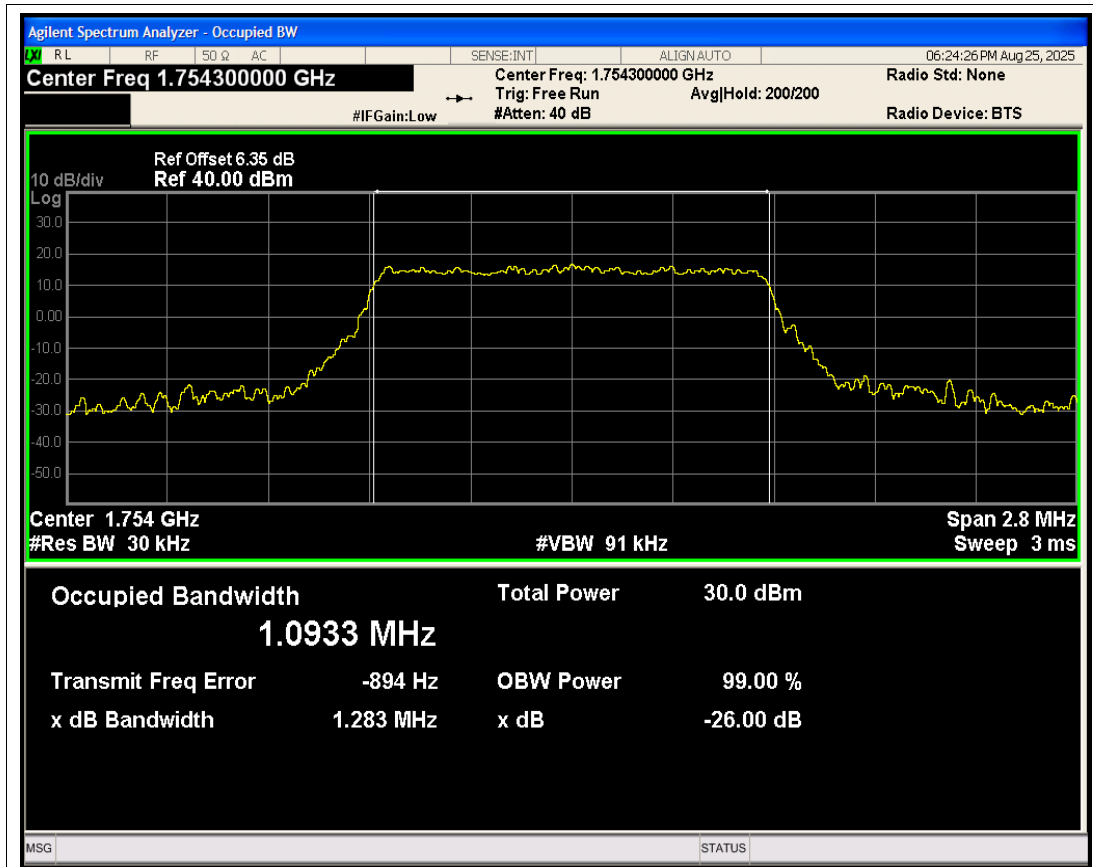
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



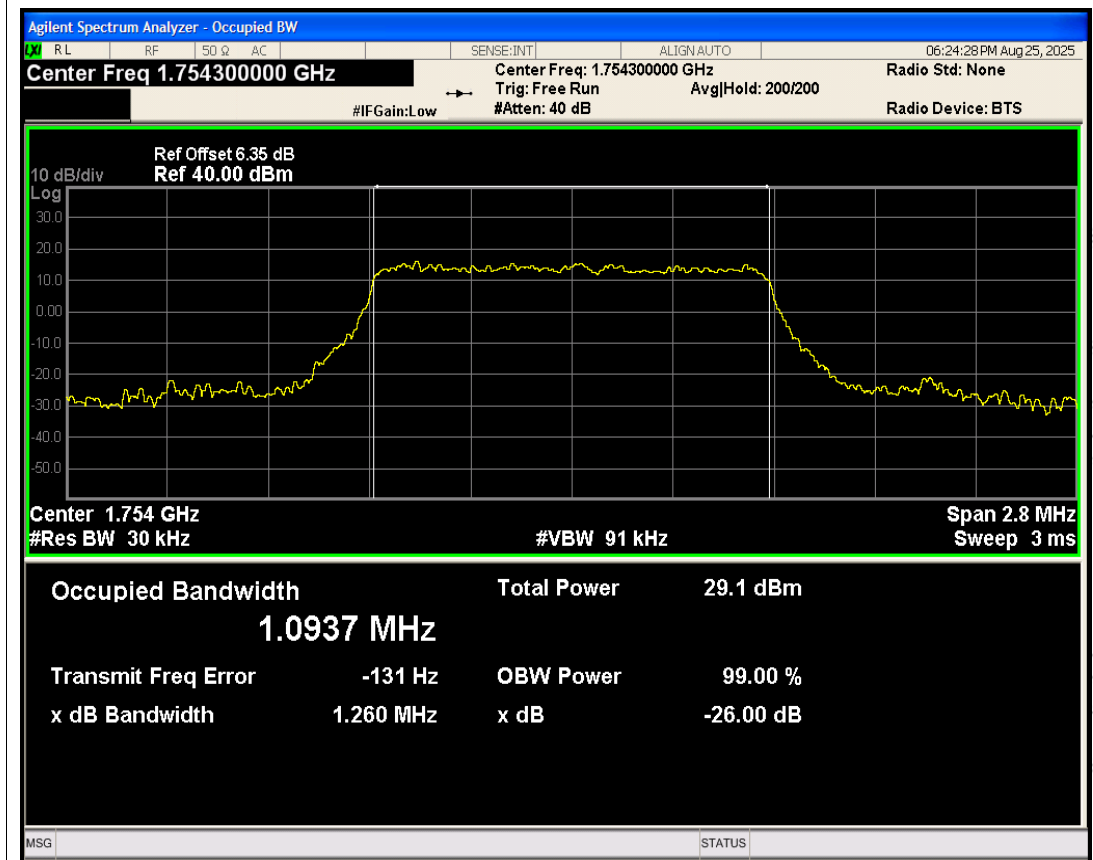
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



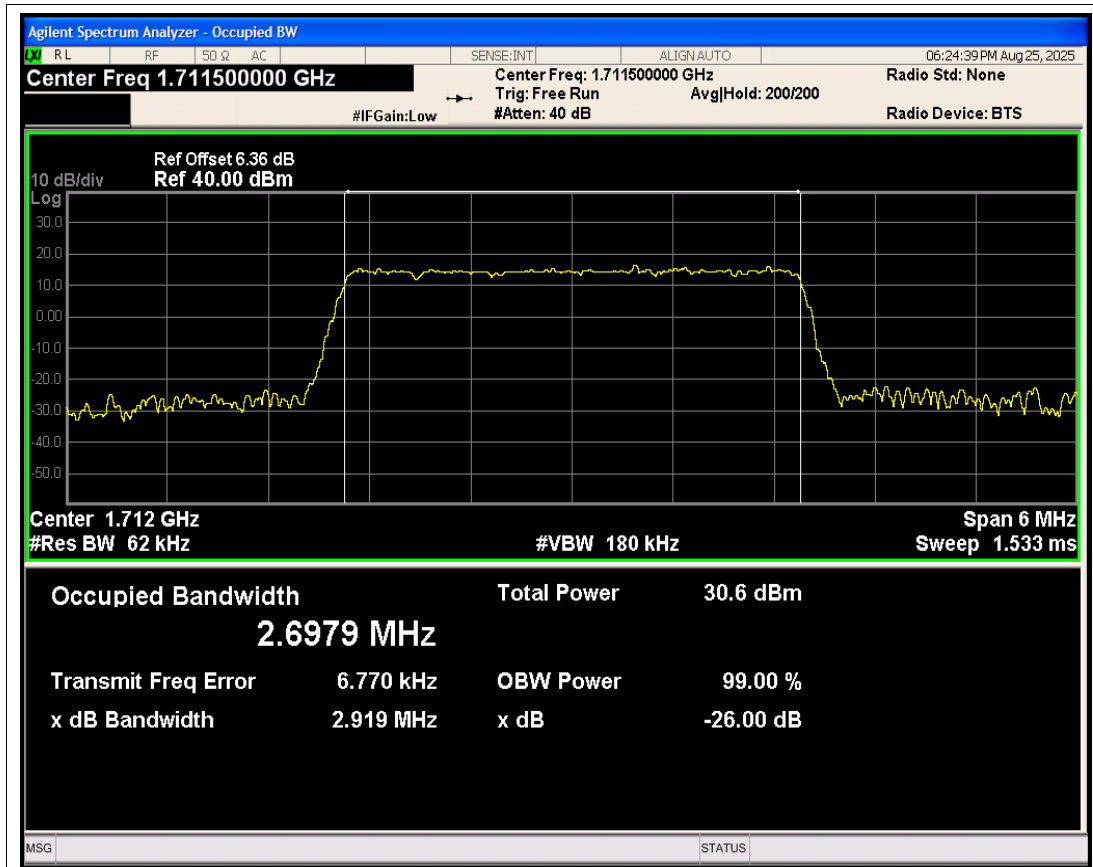
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



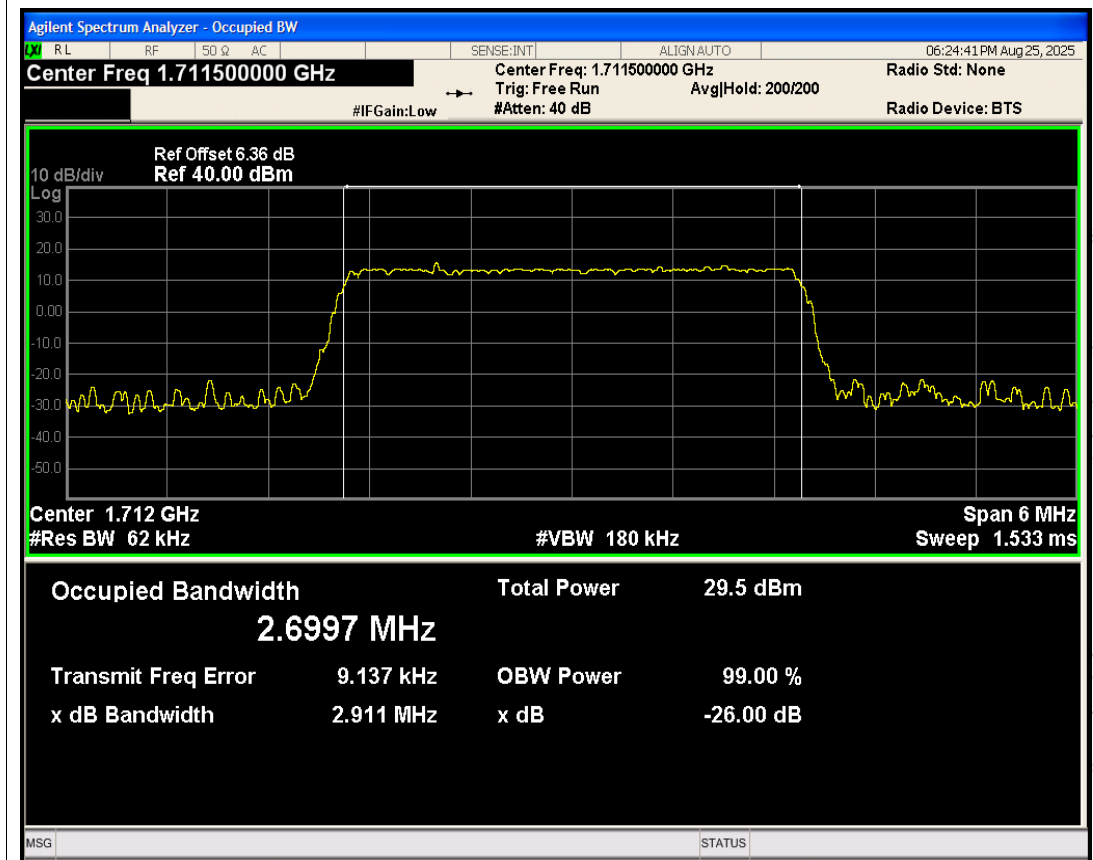
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



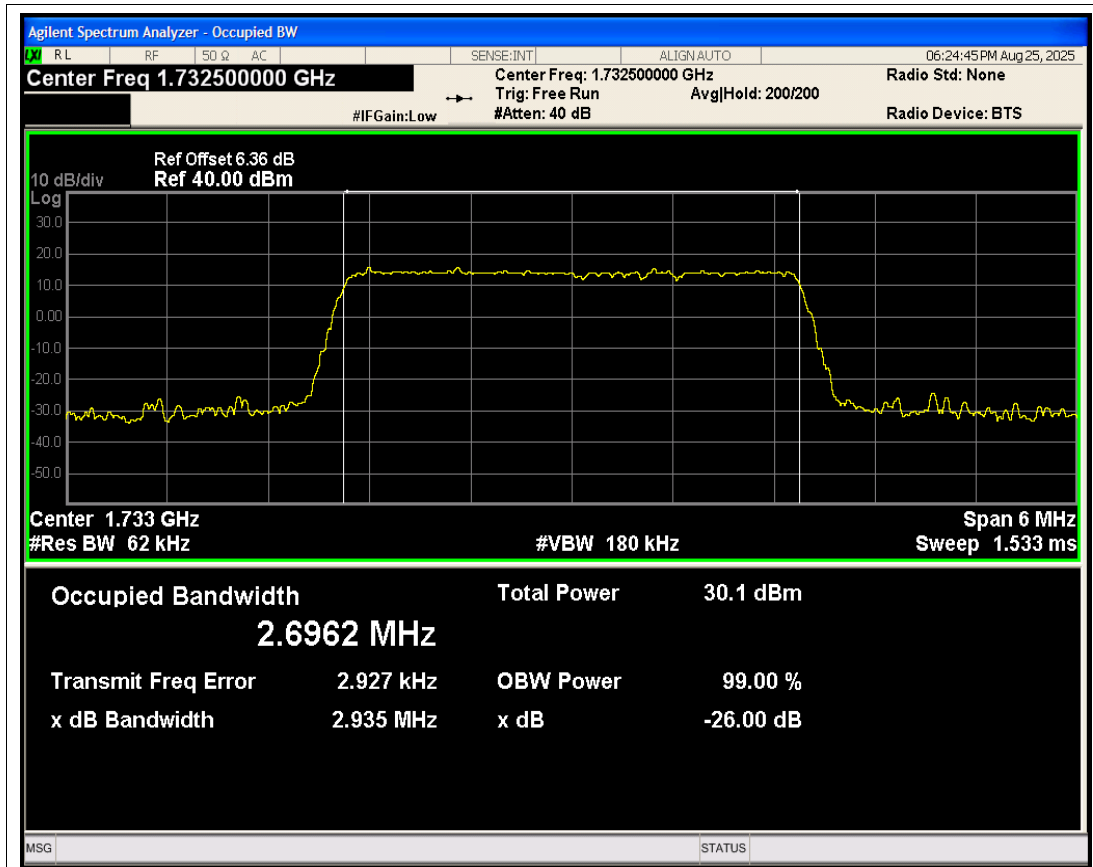
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



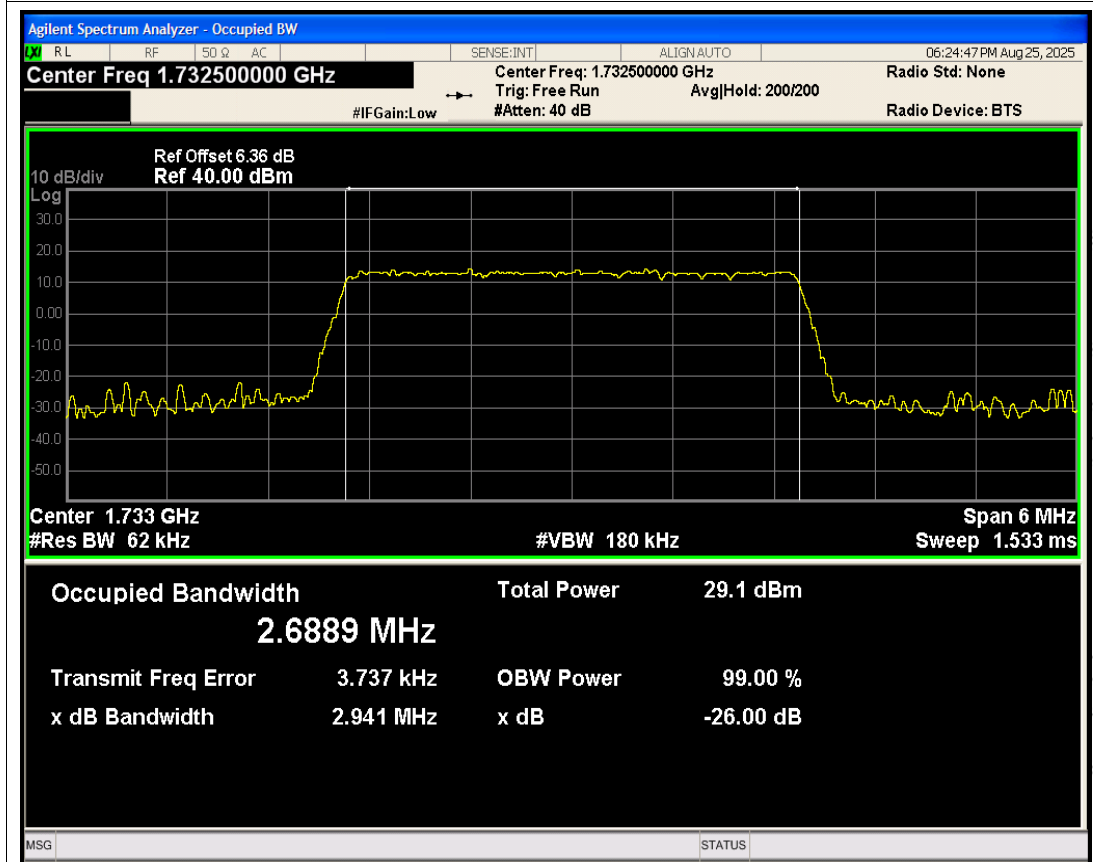
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



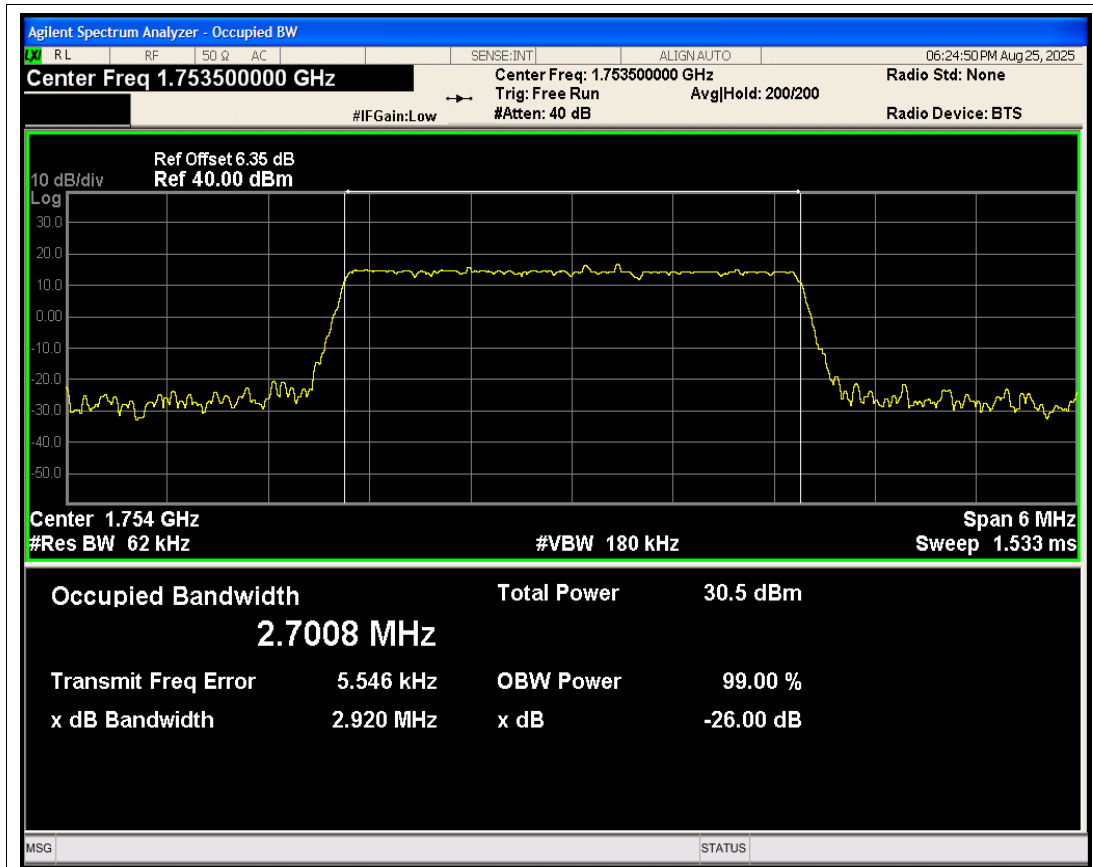
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



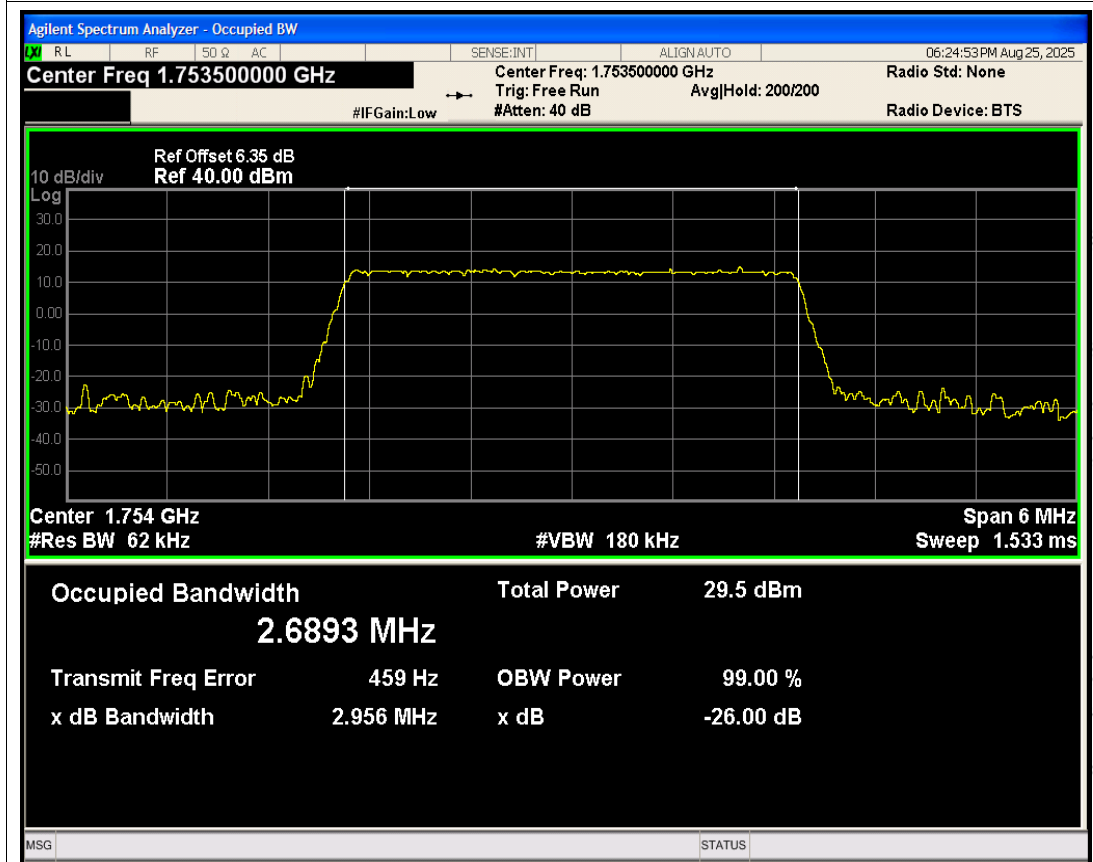
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



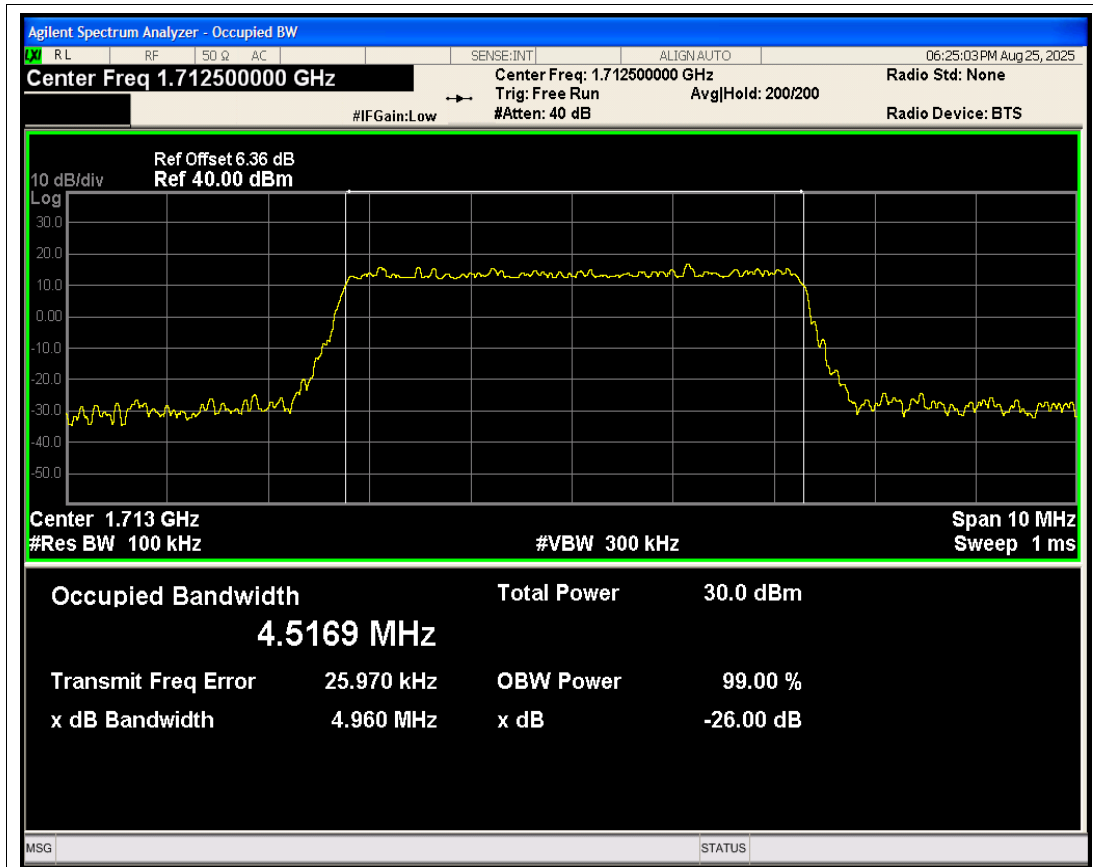
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



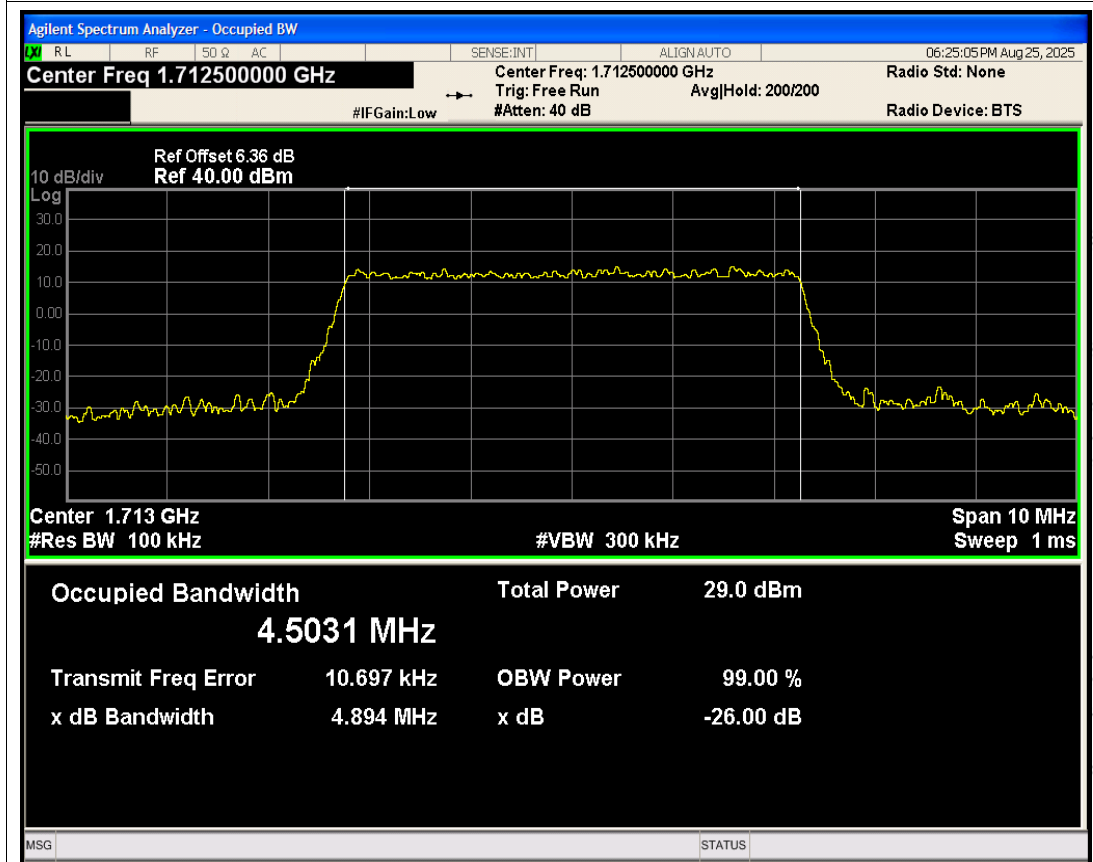
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



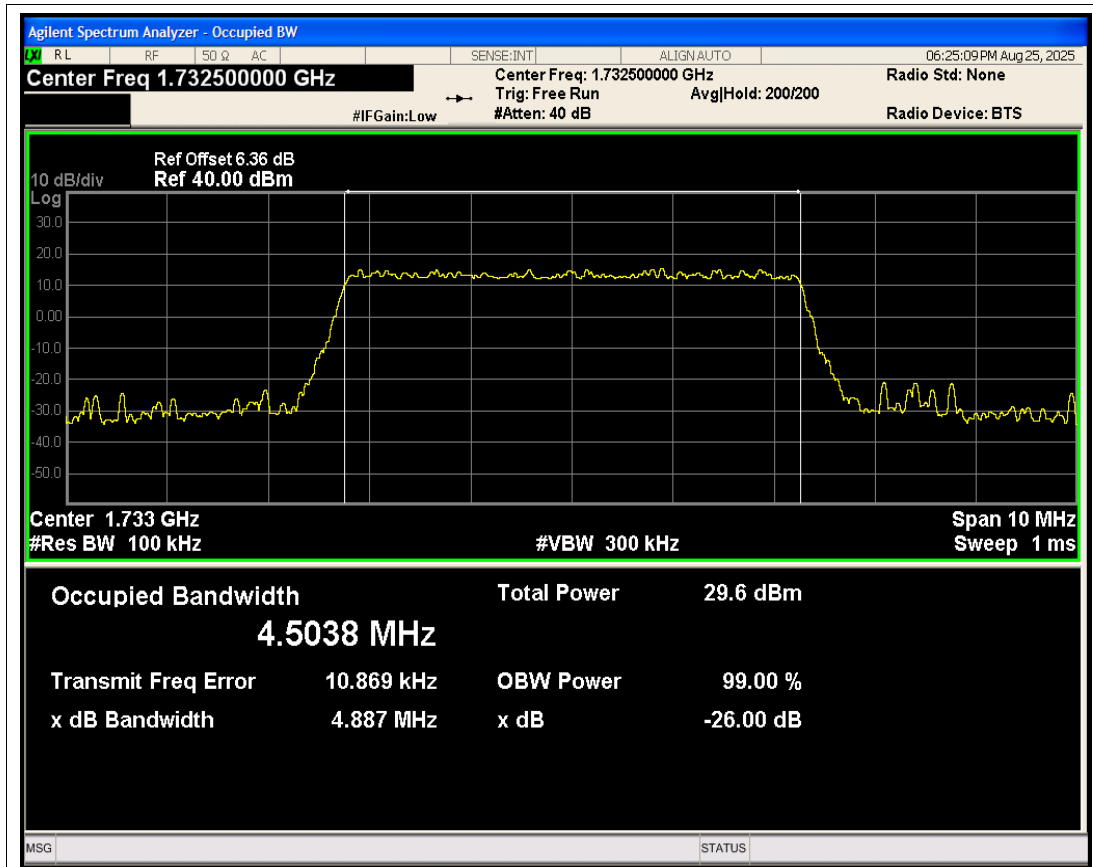
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



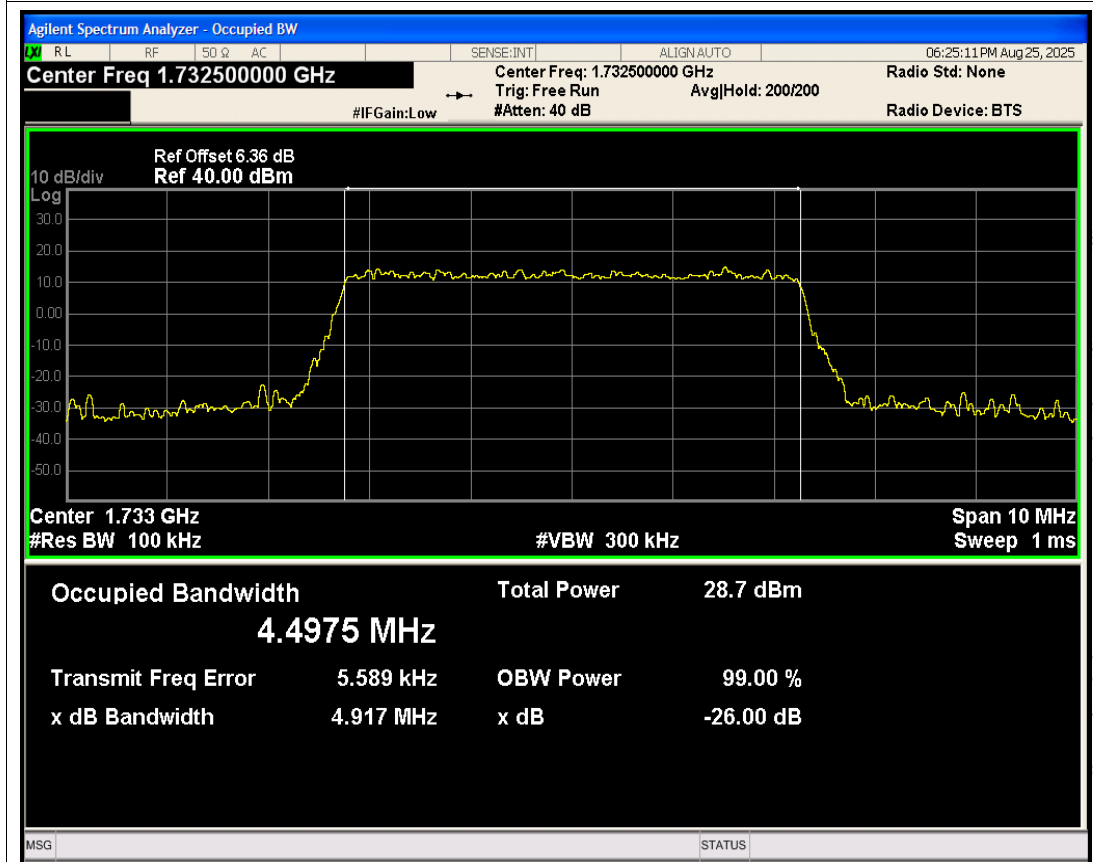
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



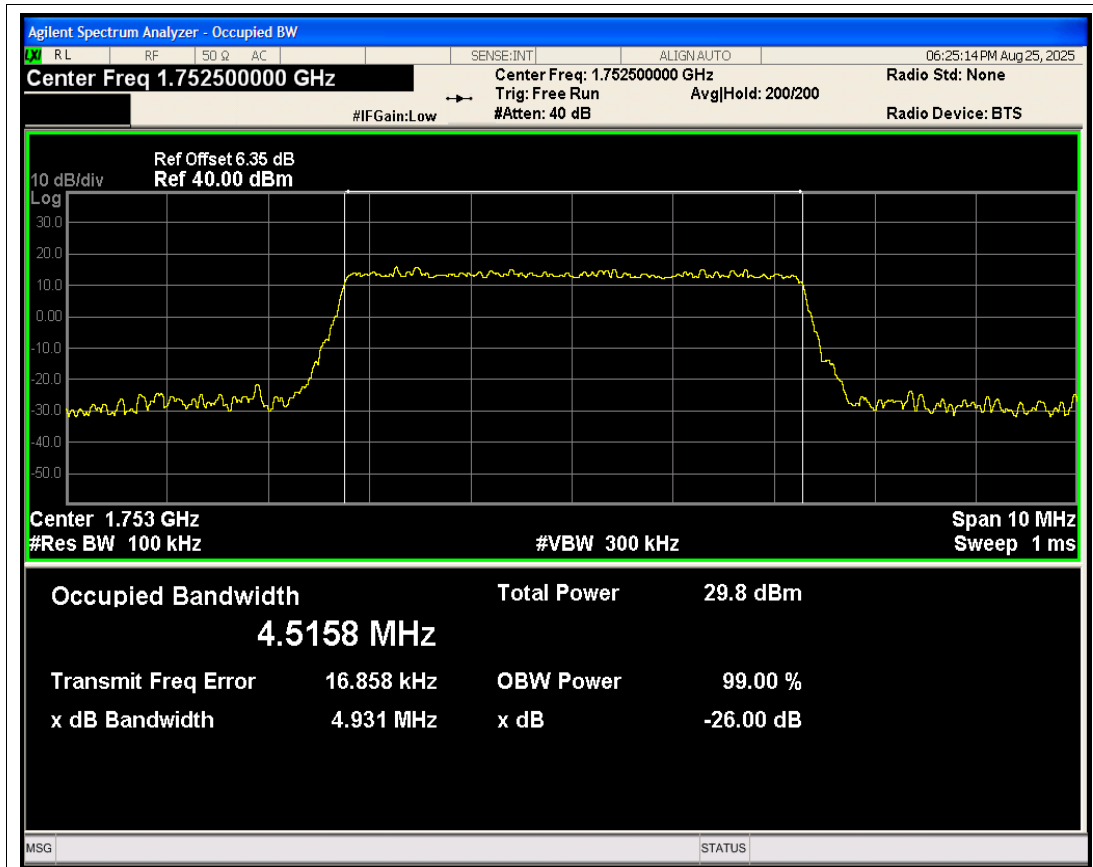
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



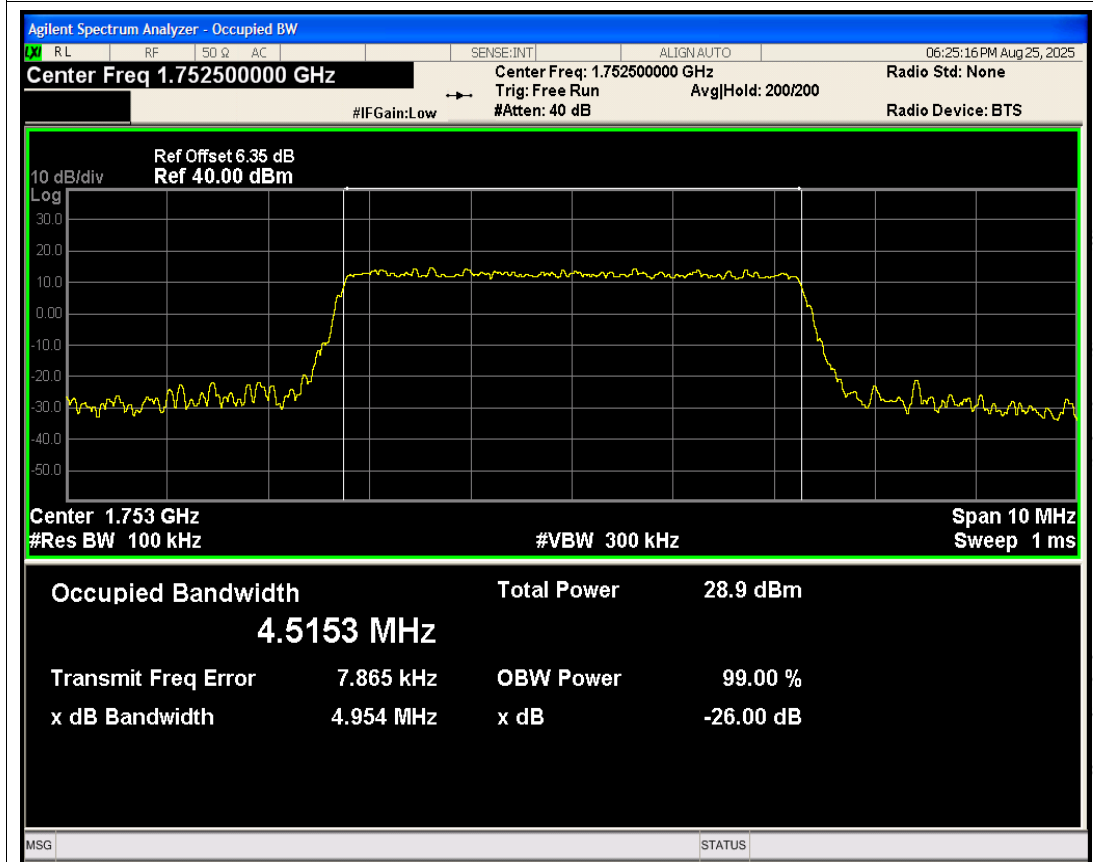
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



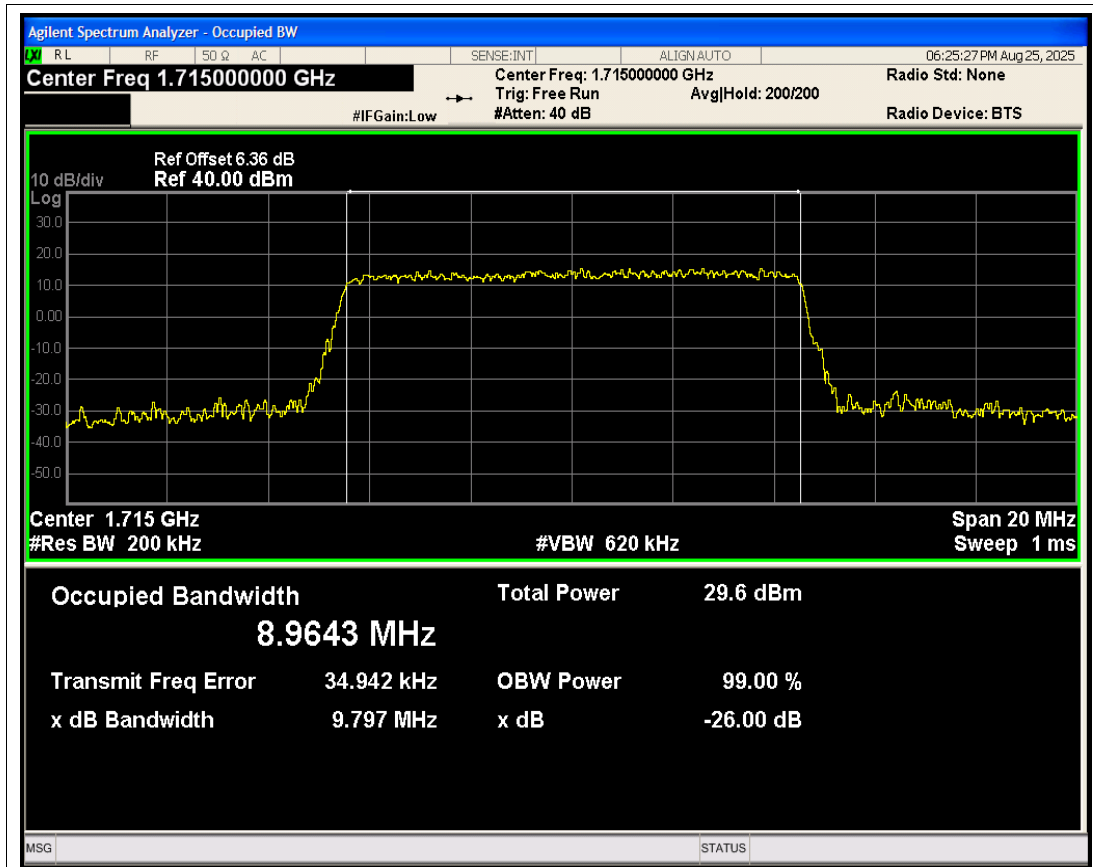
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



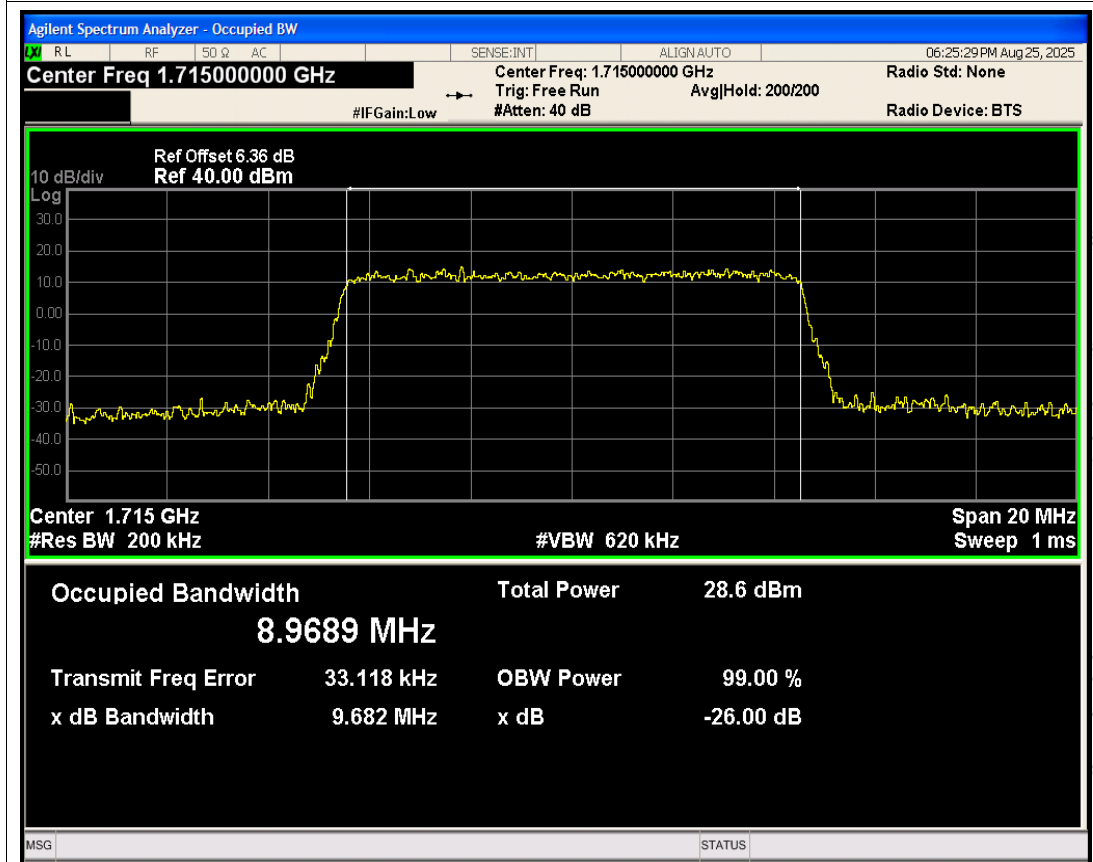
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



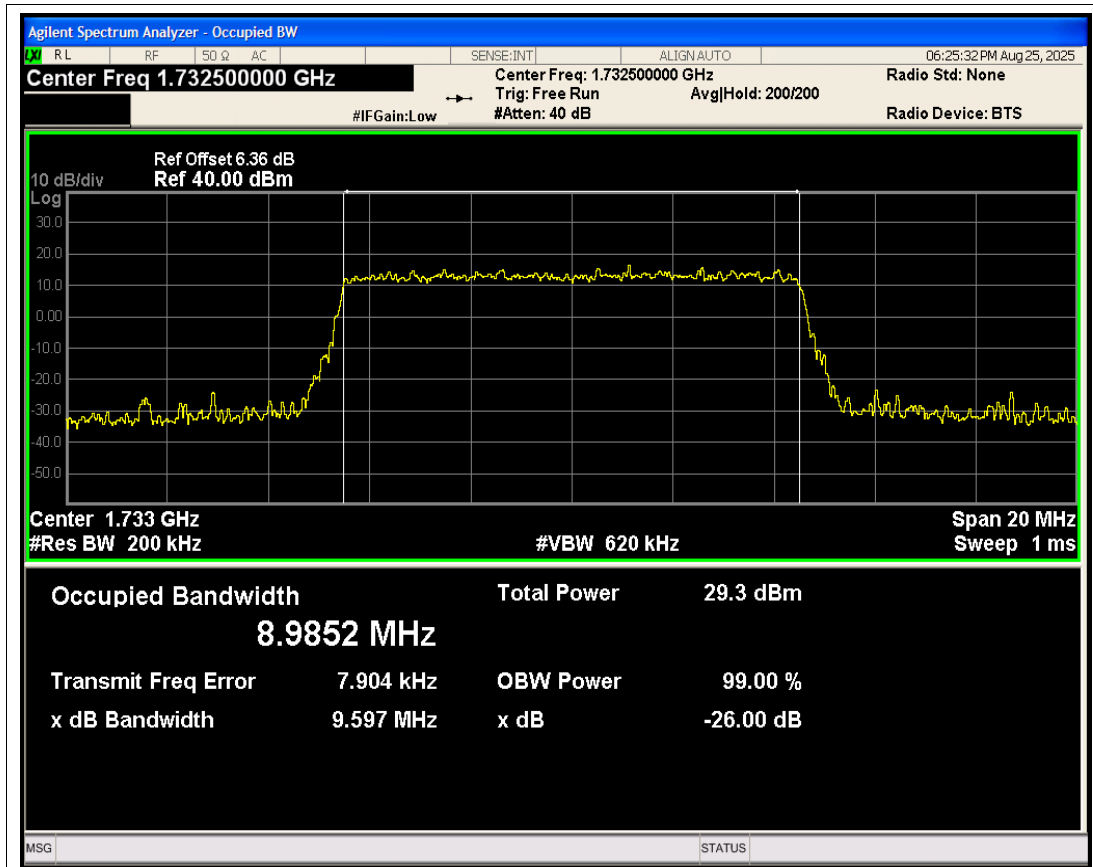
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



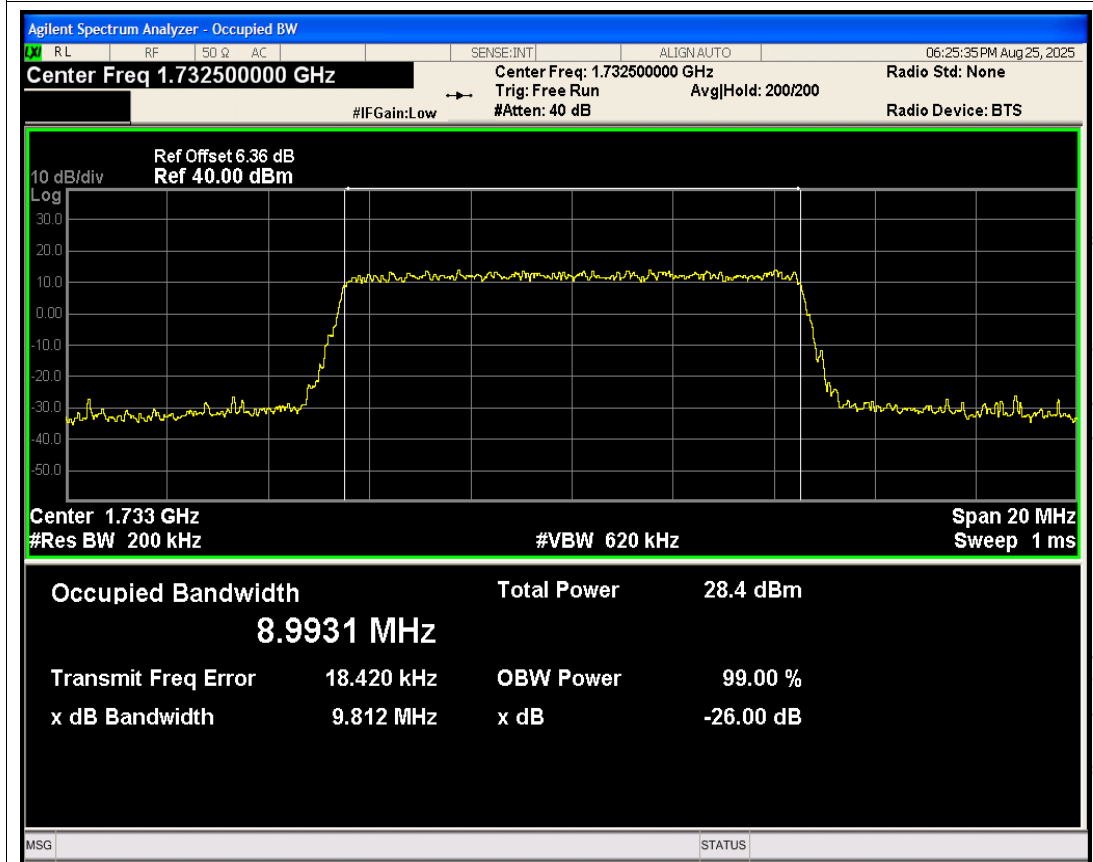
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



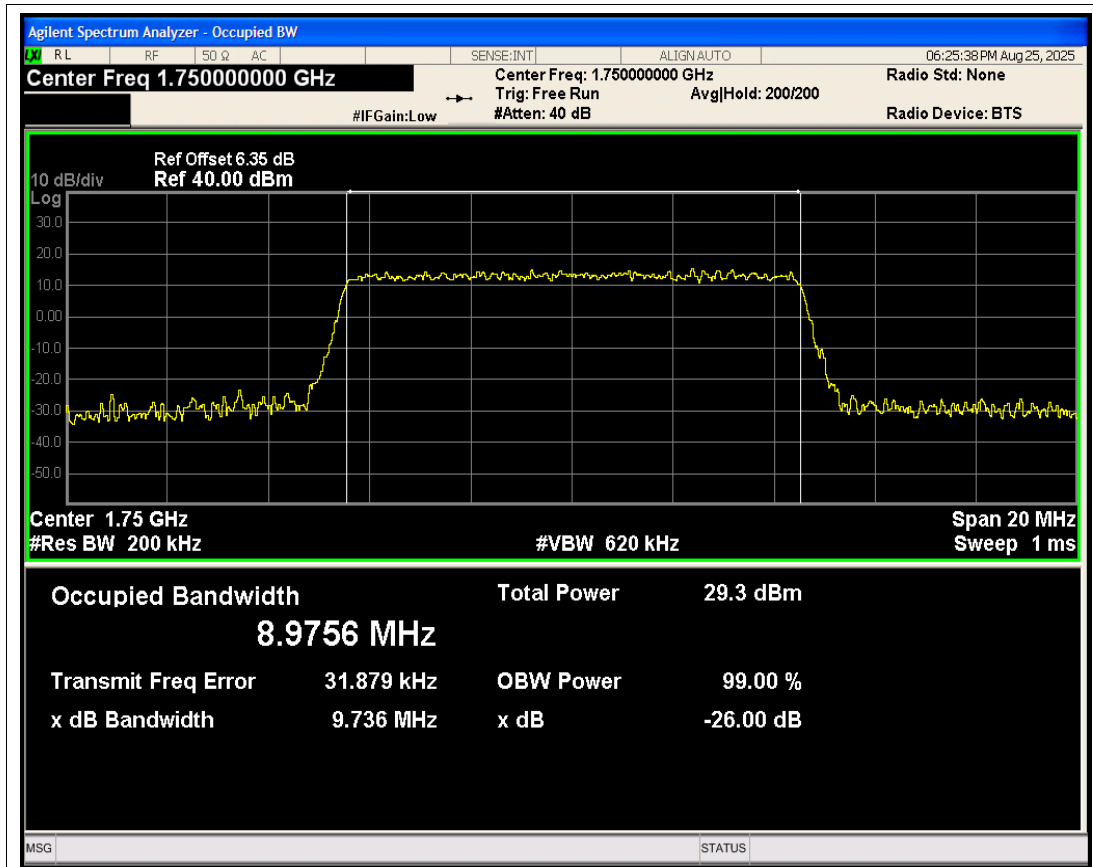
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



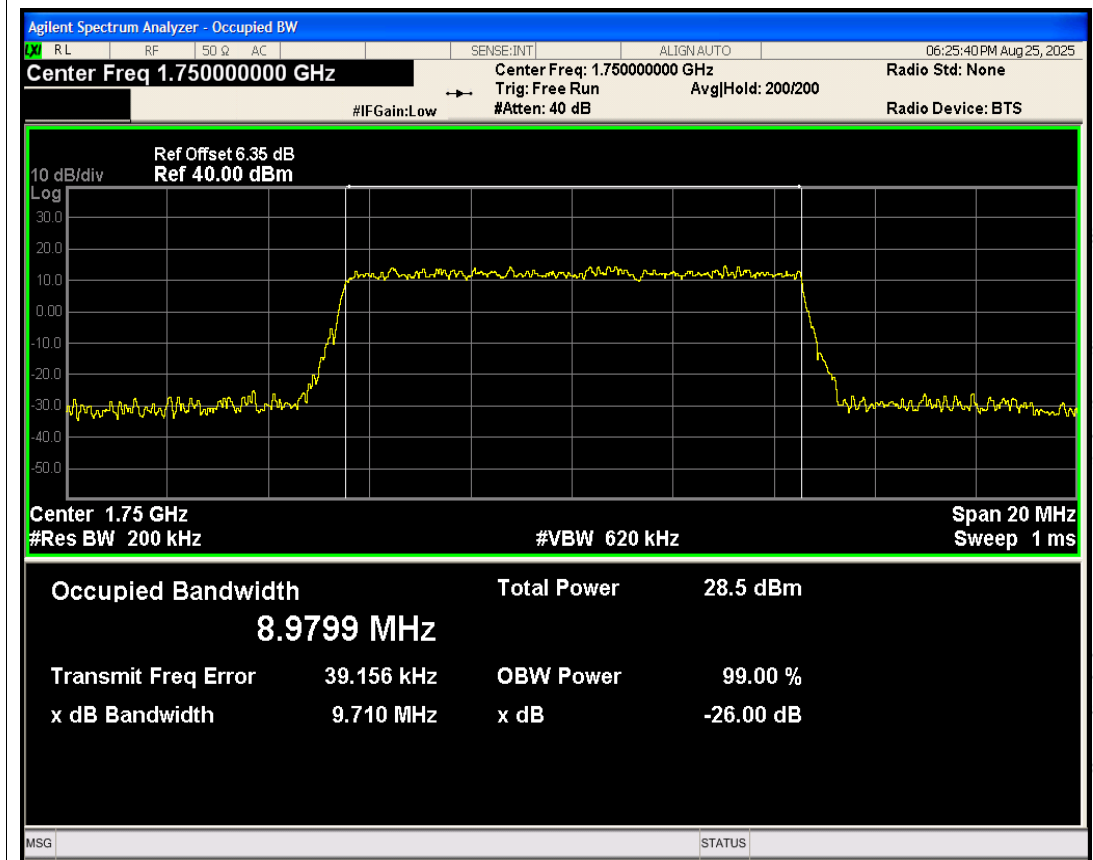
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



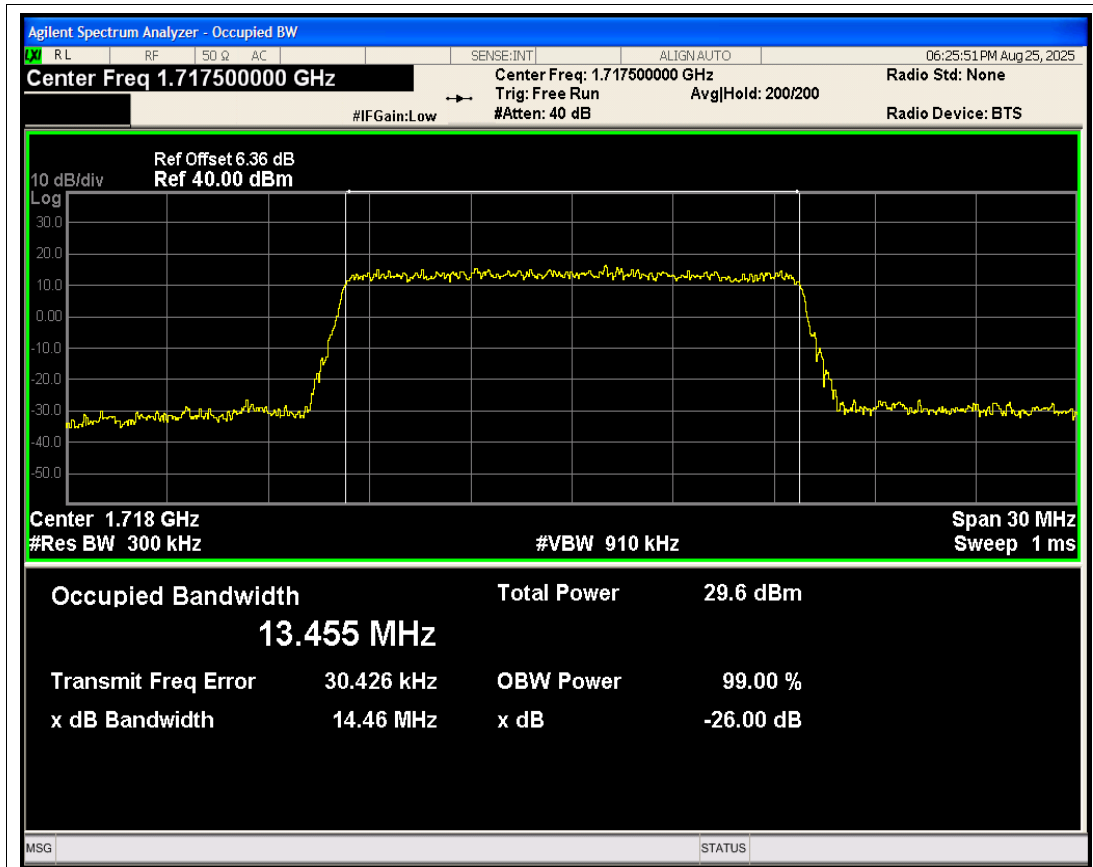
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



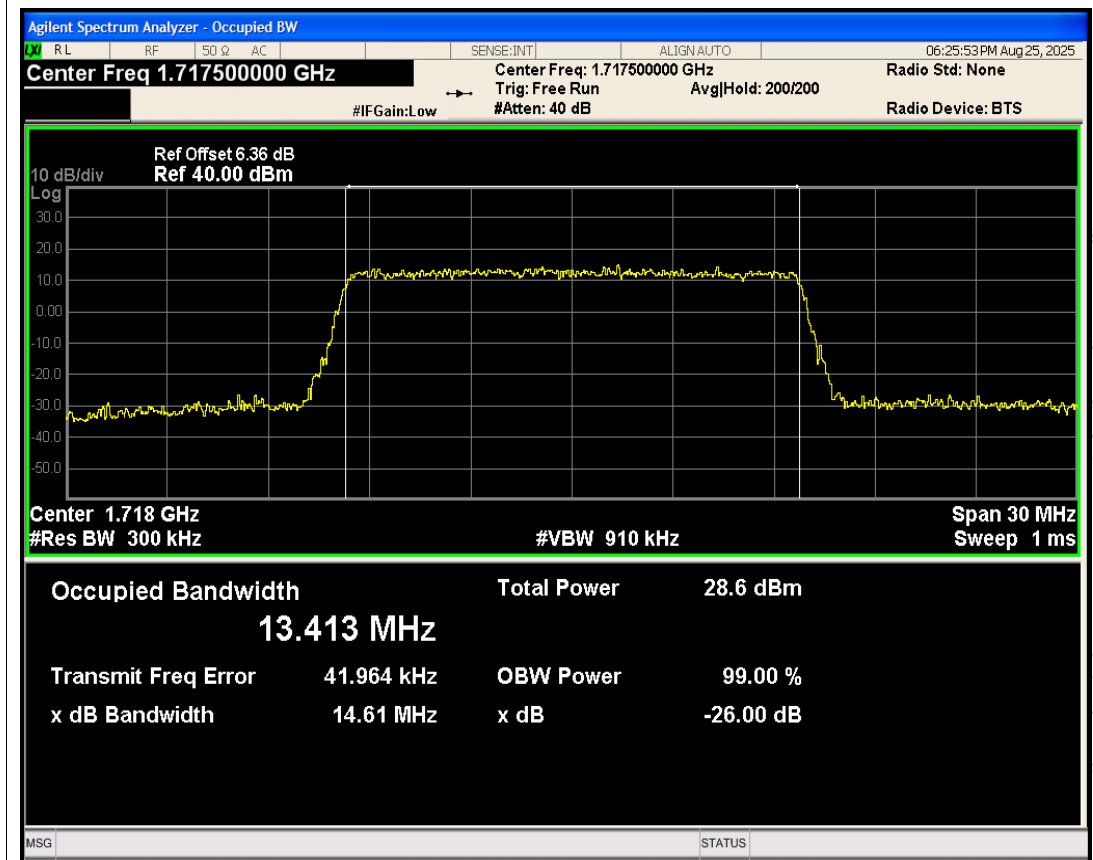
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



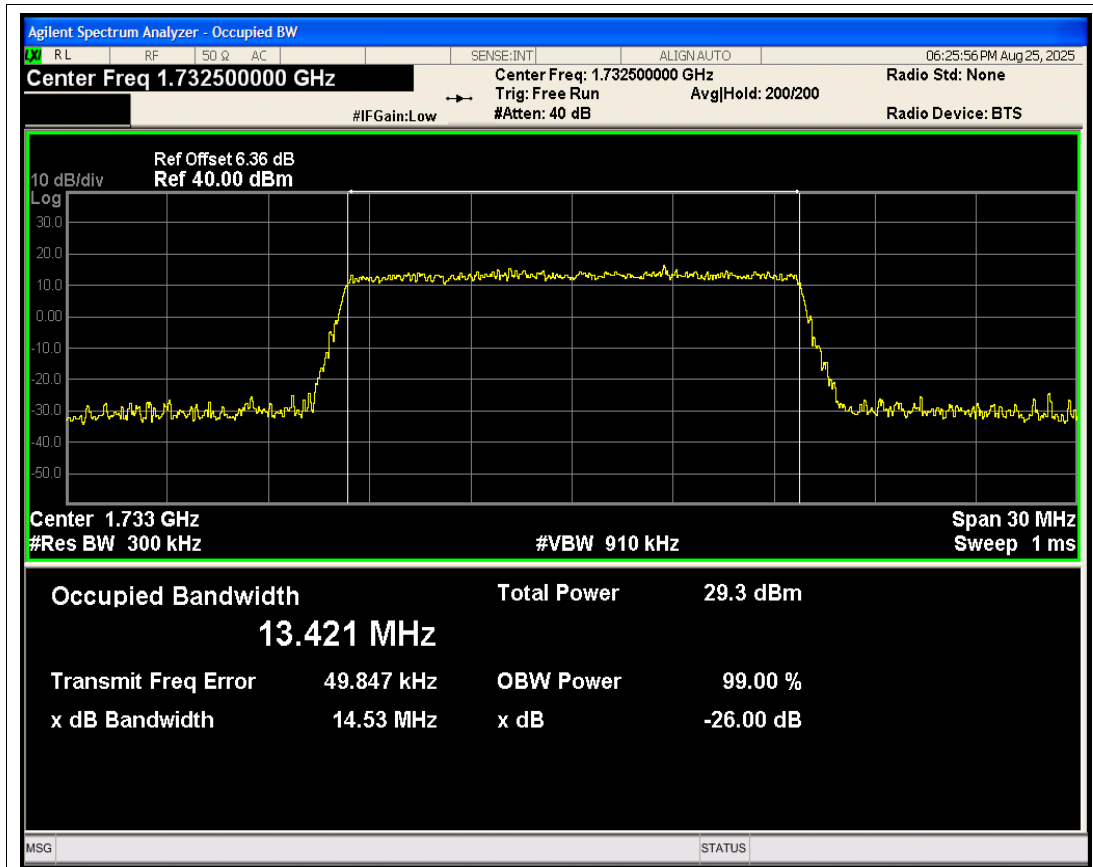
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



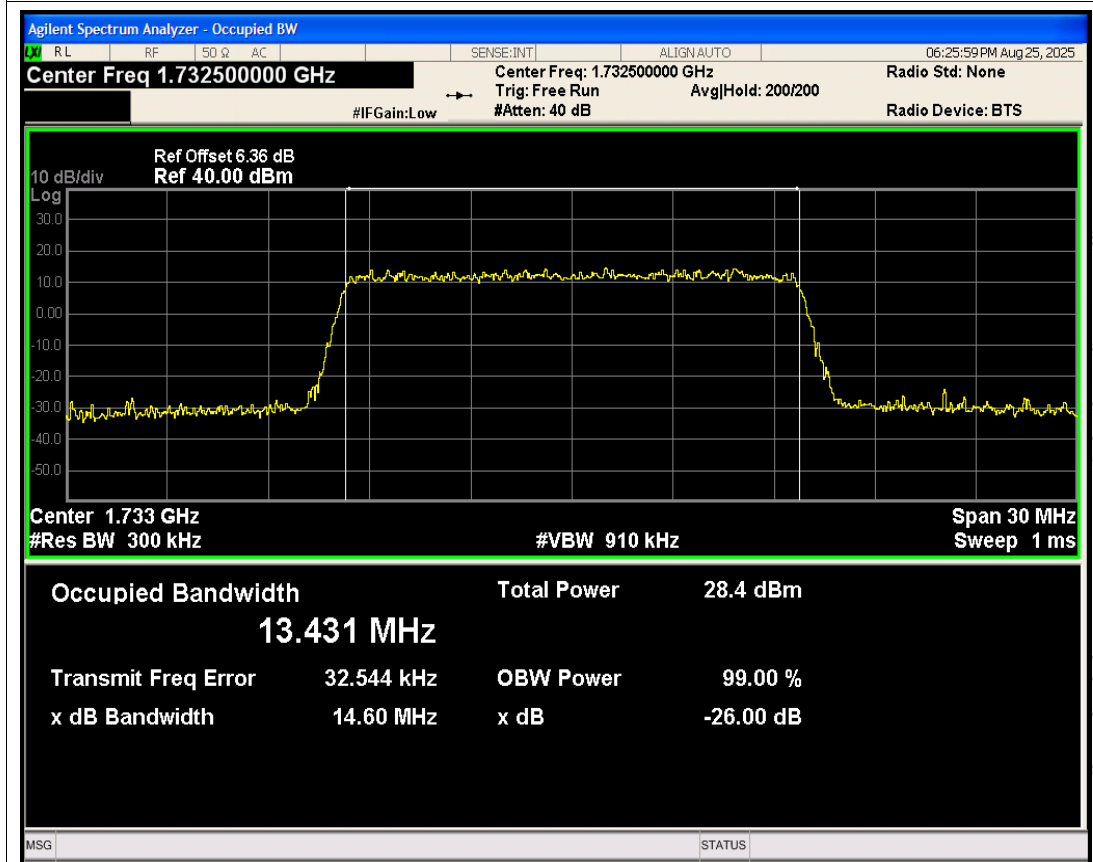
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



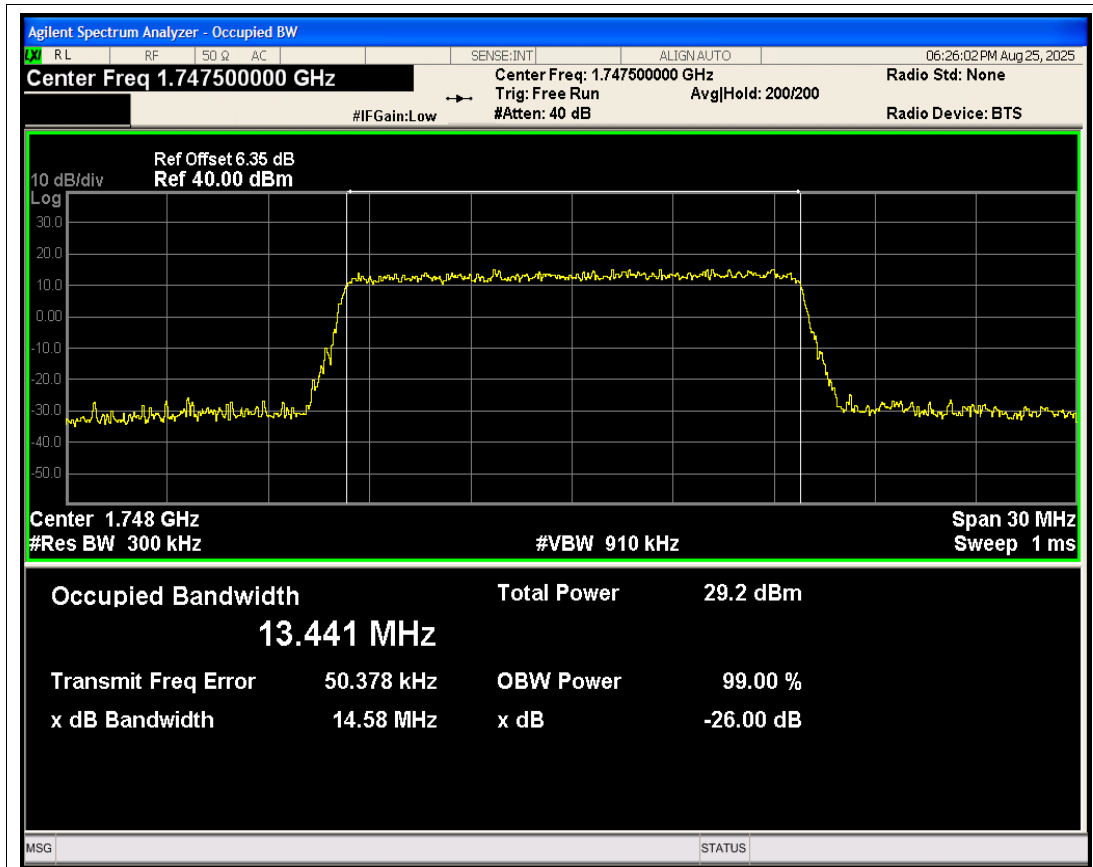
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



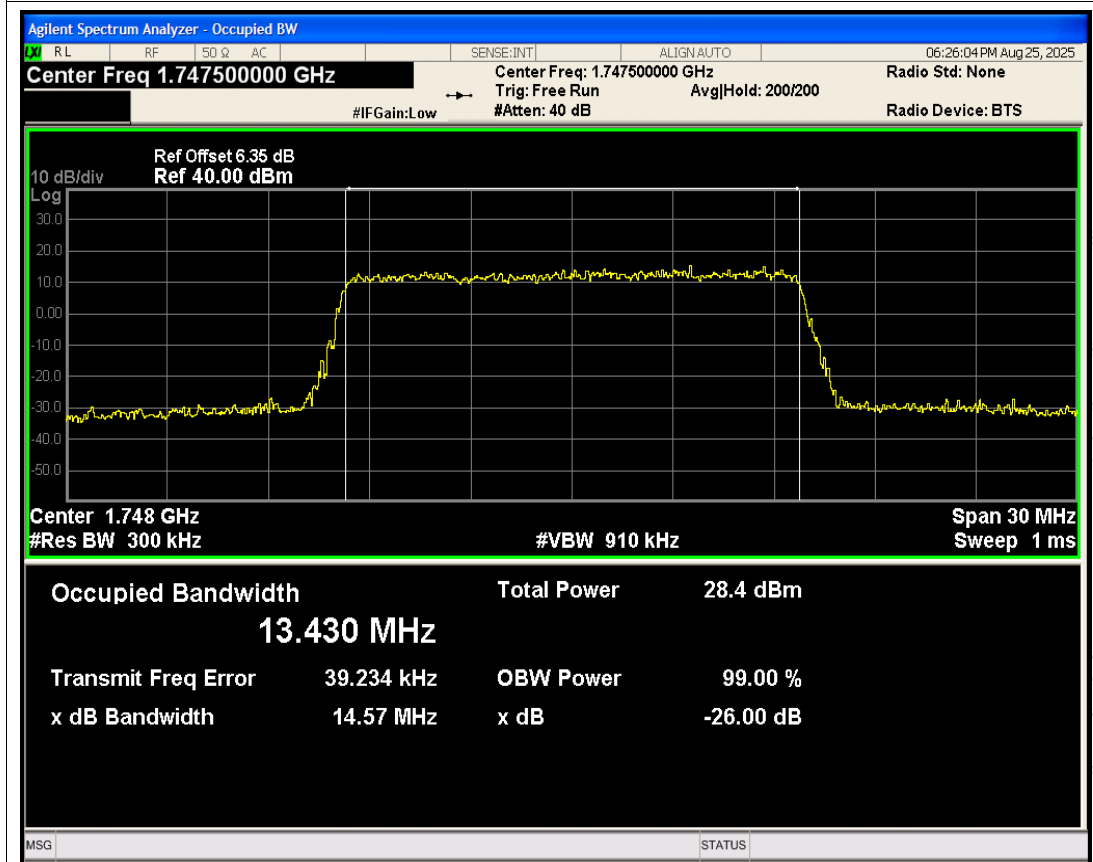
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



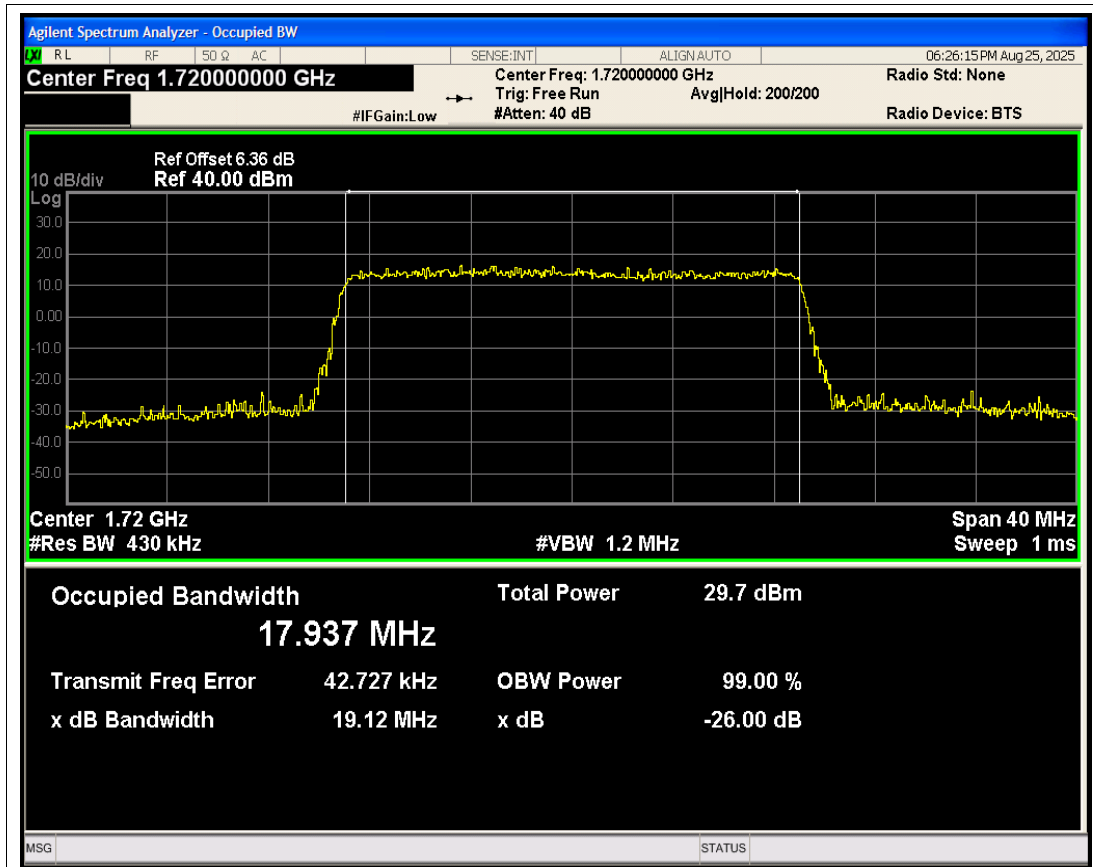
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



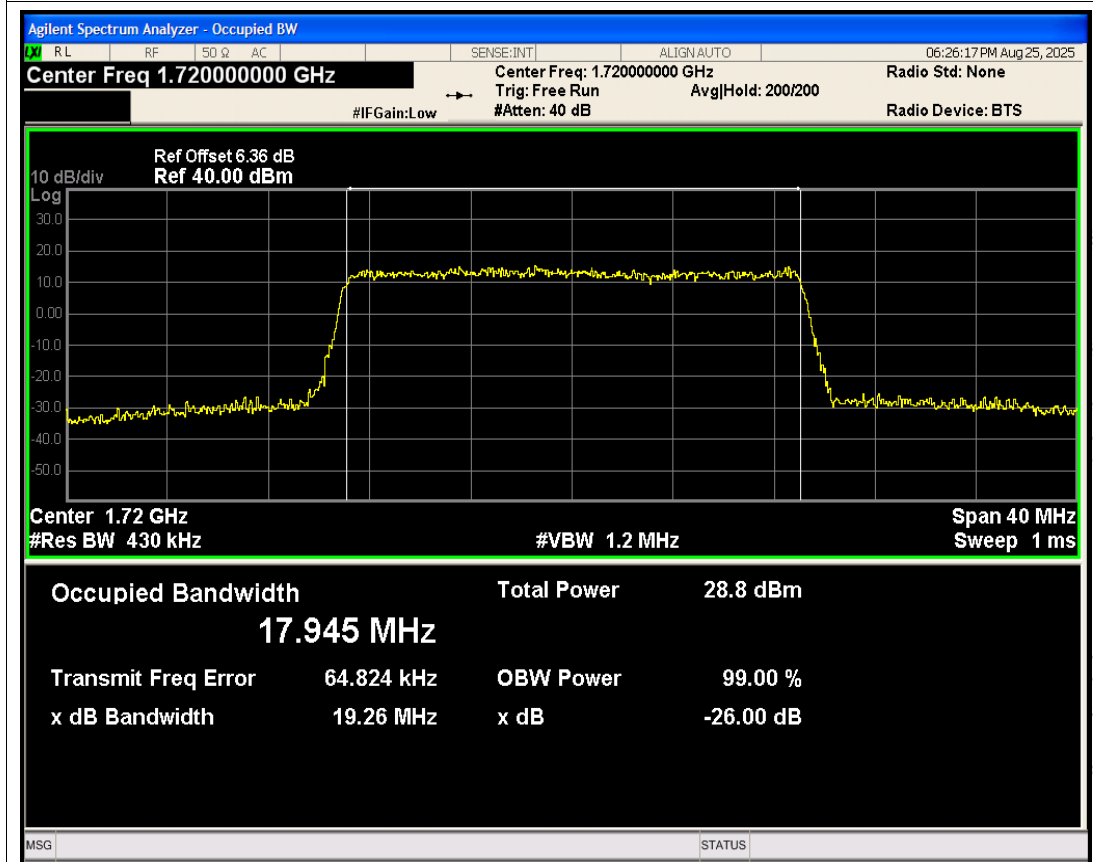
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



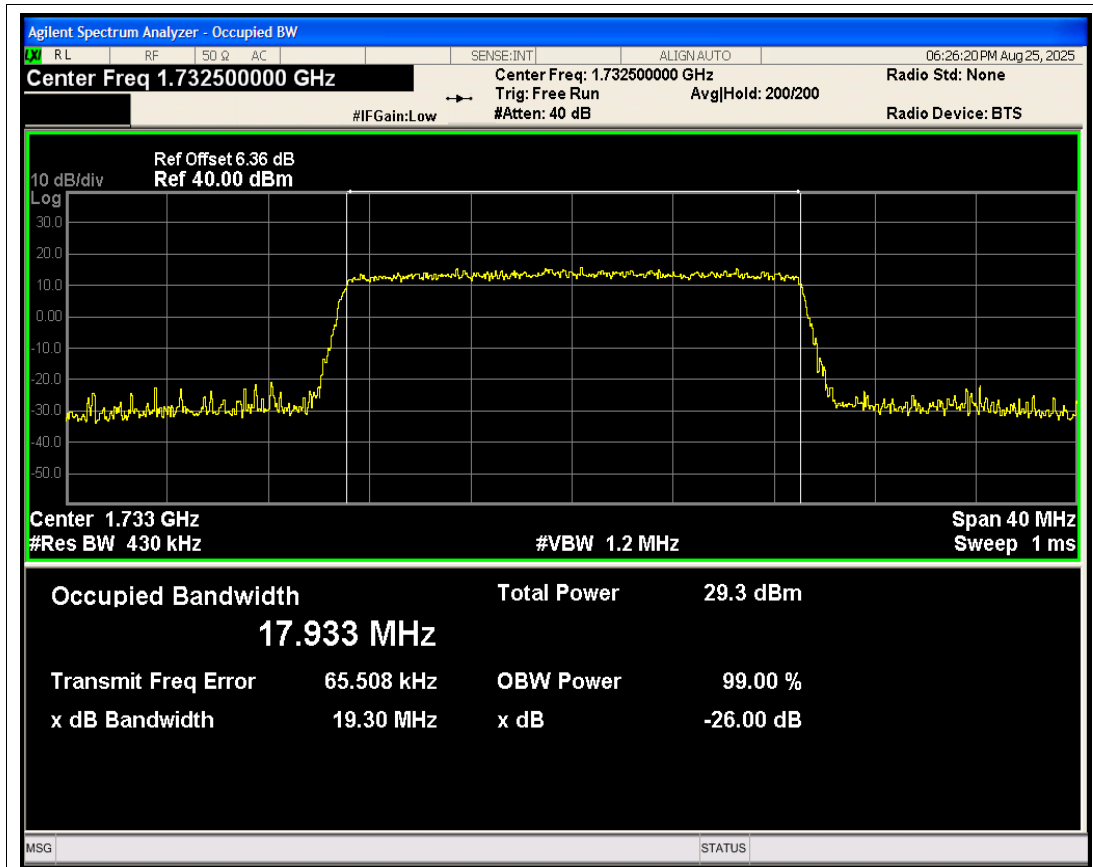
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



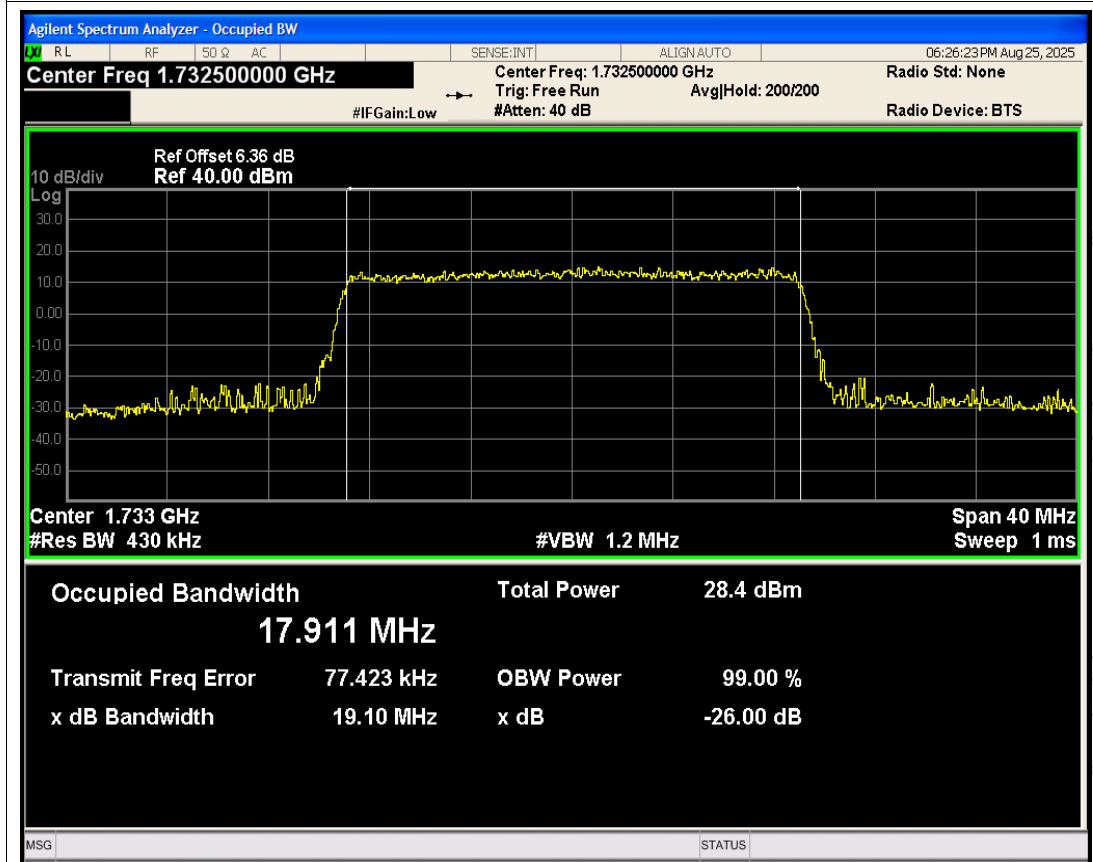
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



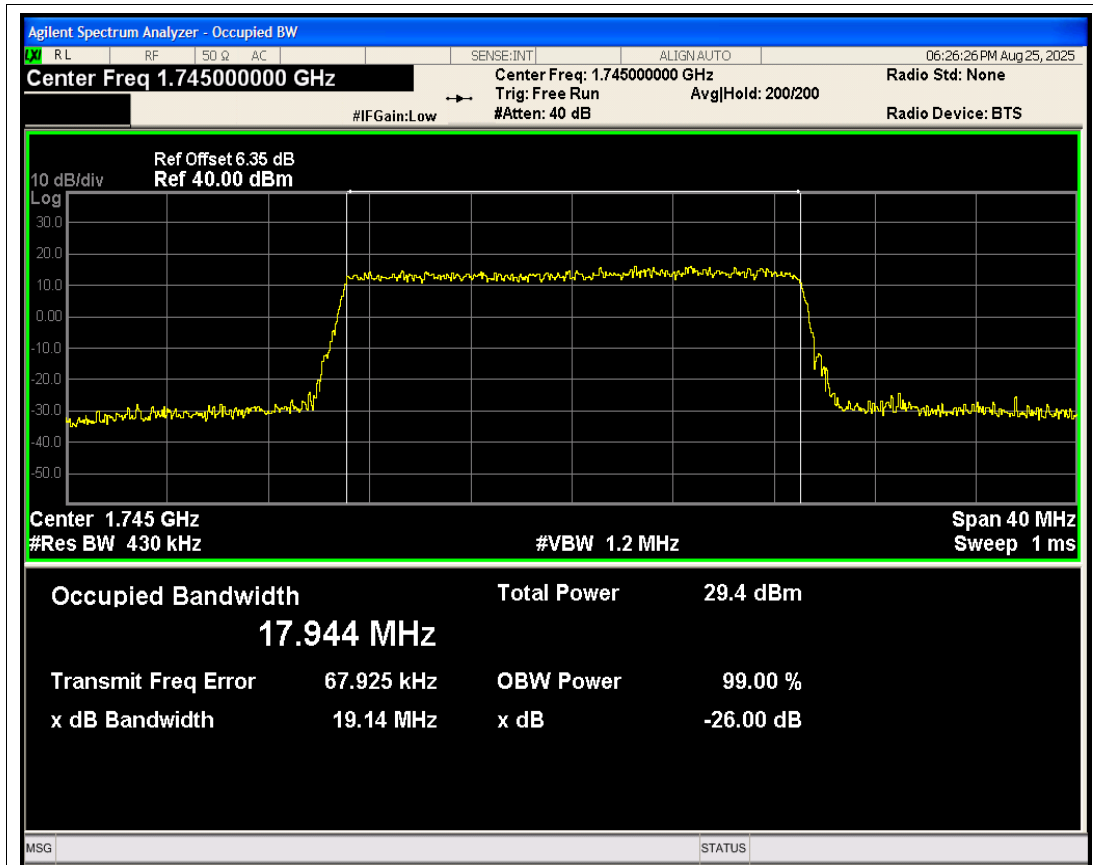
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



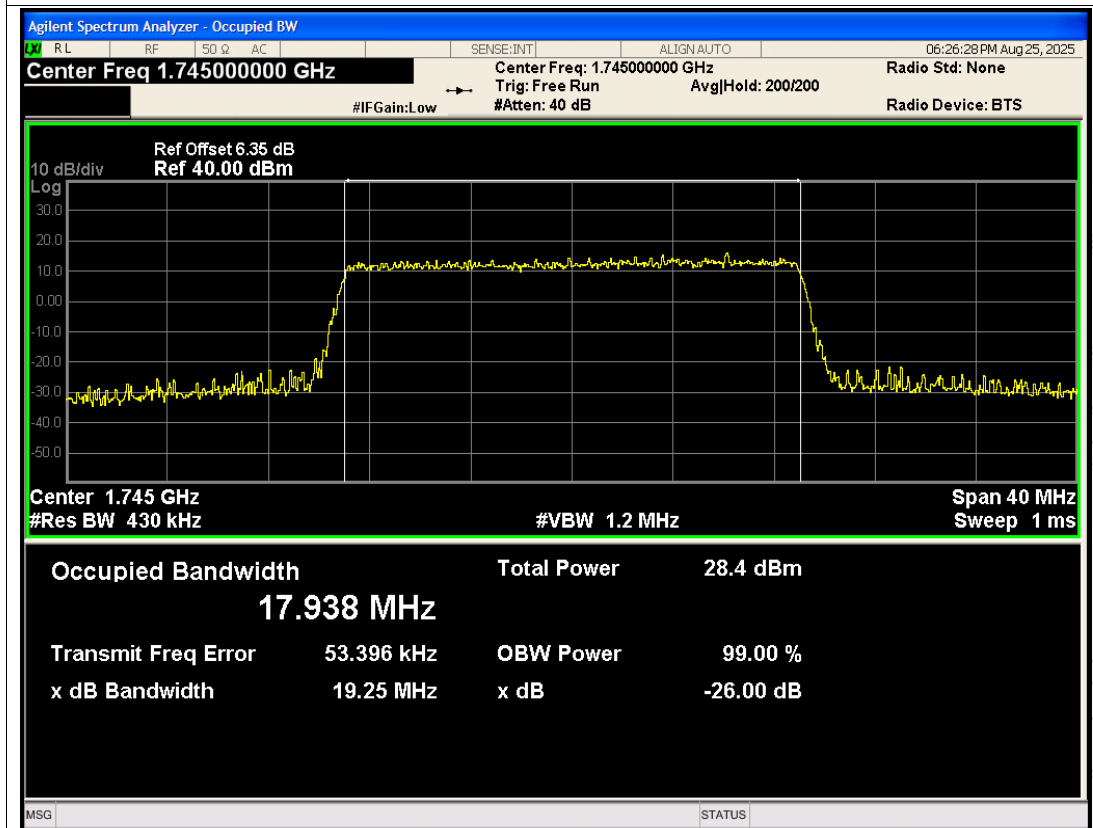
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



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



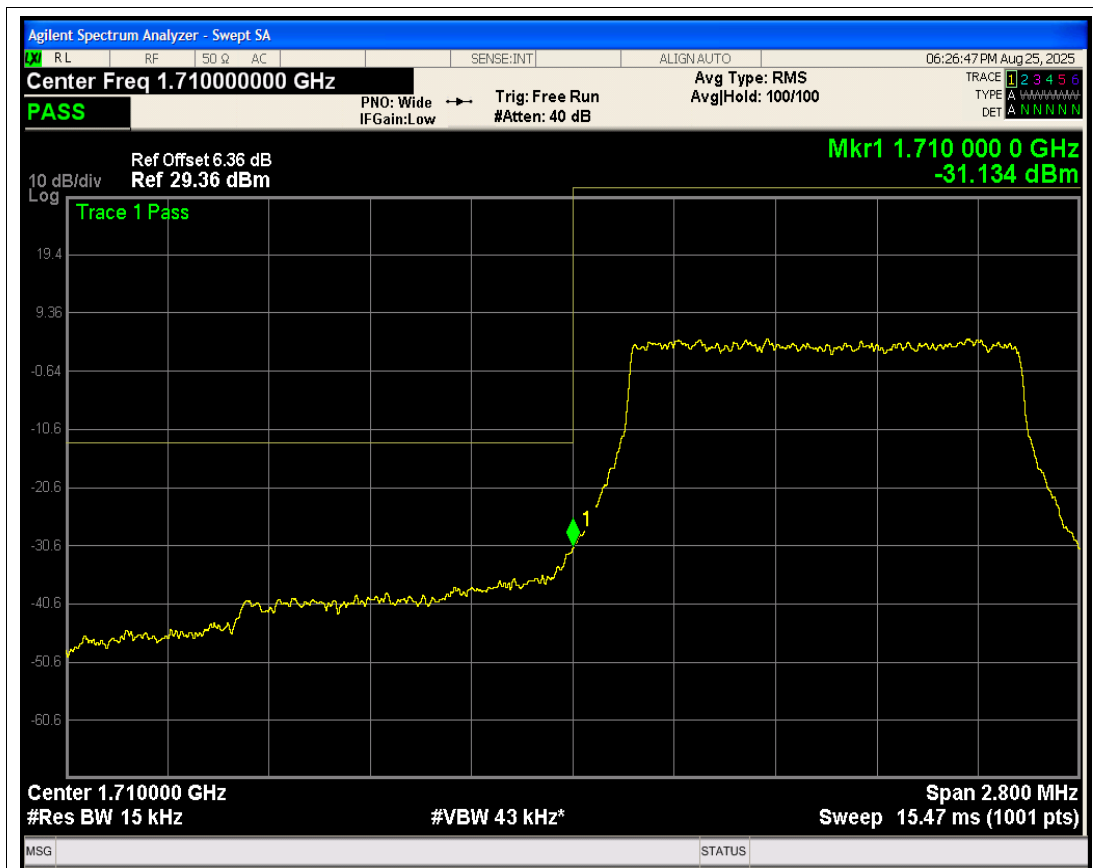
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



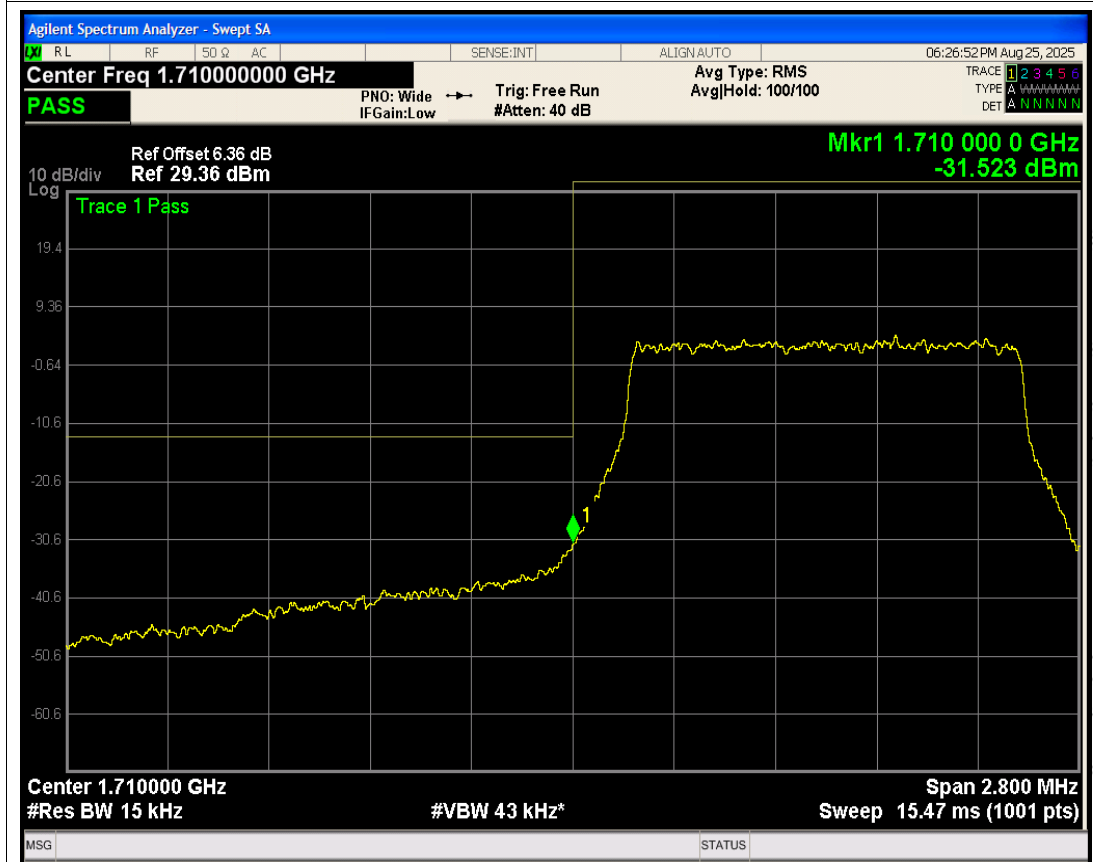
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0

Appendix 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	-31.13	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-31.52	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.01	-30.93	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-31.74	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-31.32	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-33.94	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-32.23	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-34.50	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.99	-30.88	-13	PASS
Band4	5	19975	25	#0	16QAM	1709.95	-34.29	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-33.14	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.01	-31.77	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-37.51	-13	PASS
Band4	10	20000	50	#0	16QAM	1709.96	-37.95	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.04	-36.45	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-38.14	-13	PASS
Band4	15	20025	75	#0	QPSK	1710.00	-38.45	-13	PASS
Band4	15	20025	75	#0	16QAM	1710.00	-37.74	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.09	-38.85	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.00	-37.54	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-39.34	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.92	-39.38	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.00	-37.16	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.04	-37.24	-13	PASS



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



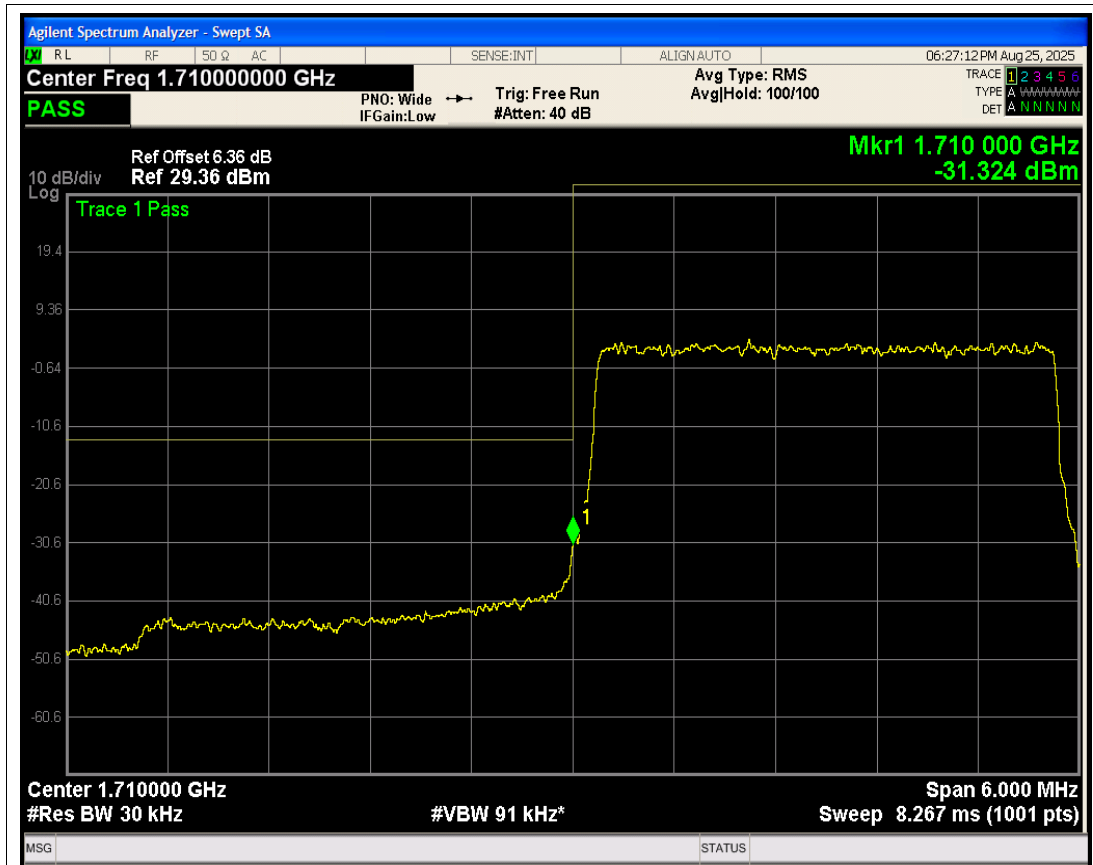
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



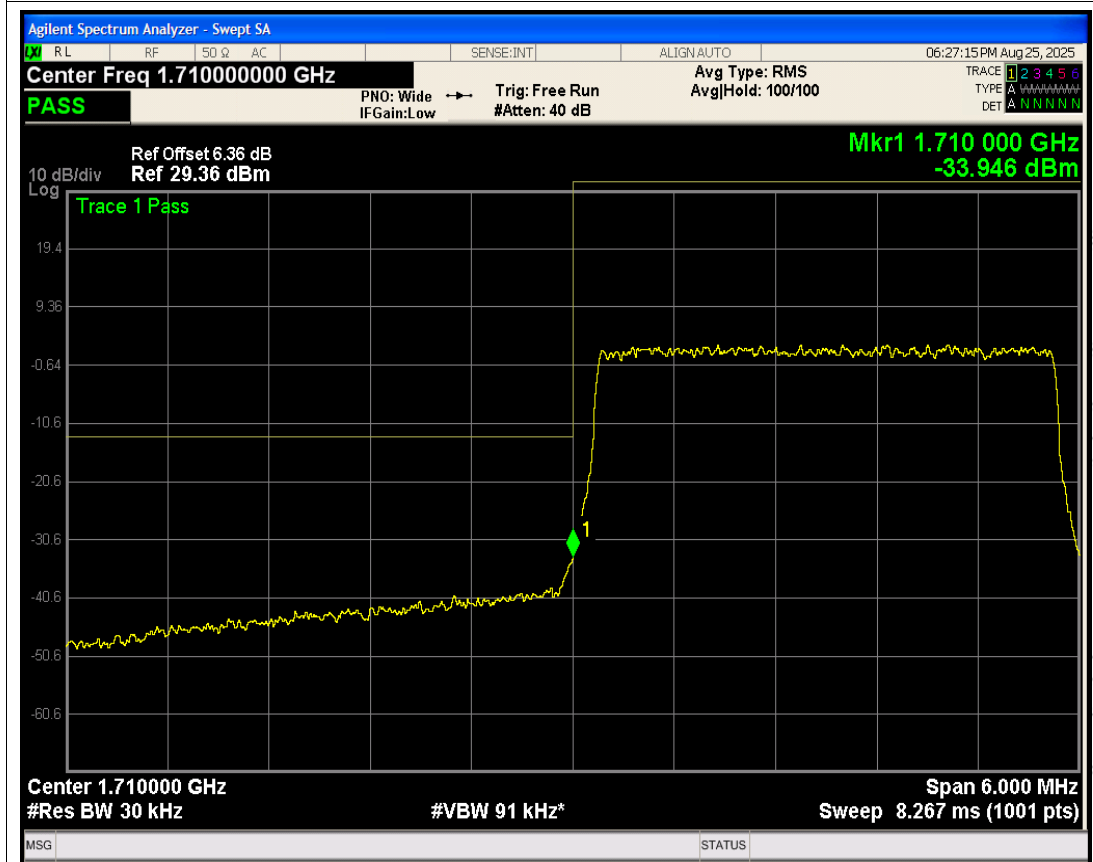
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



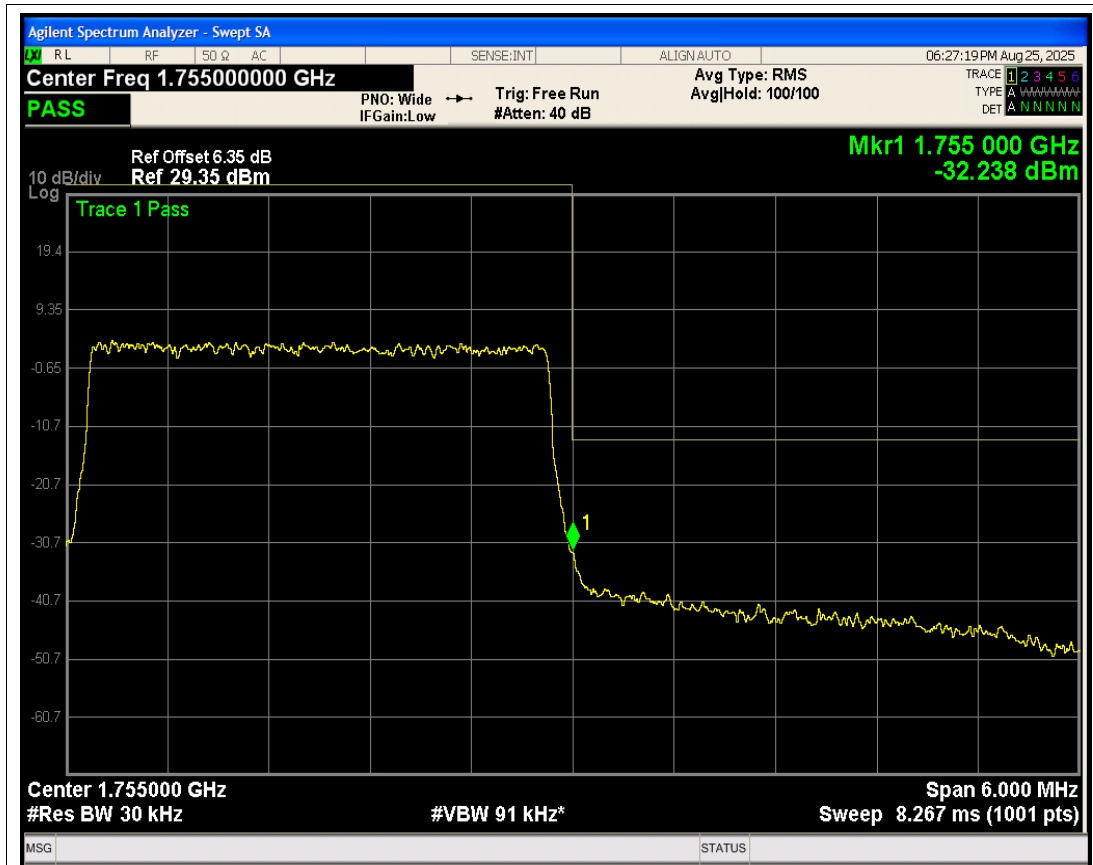
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



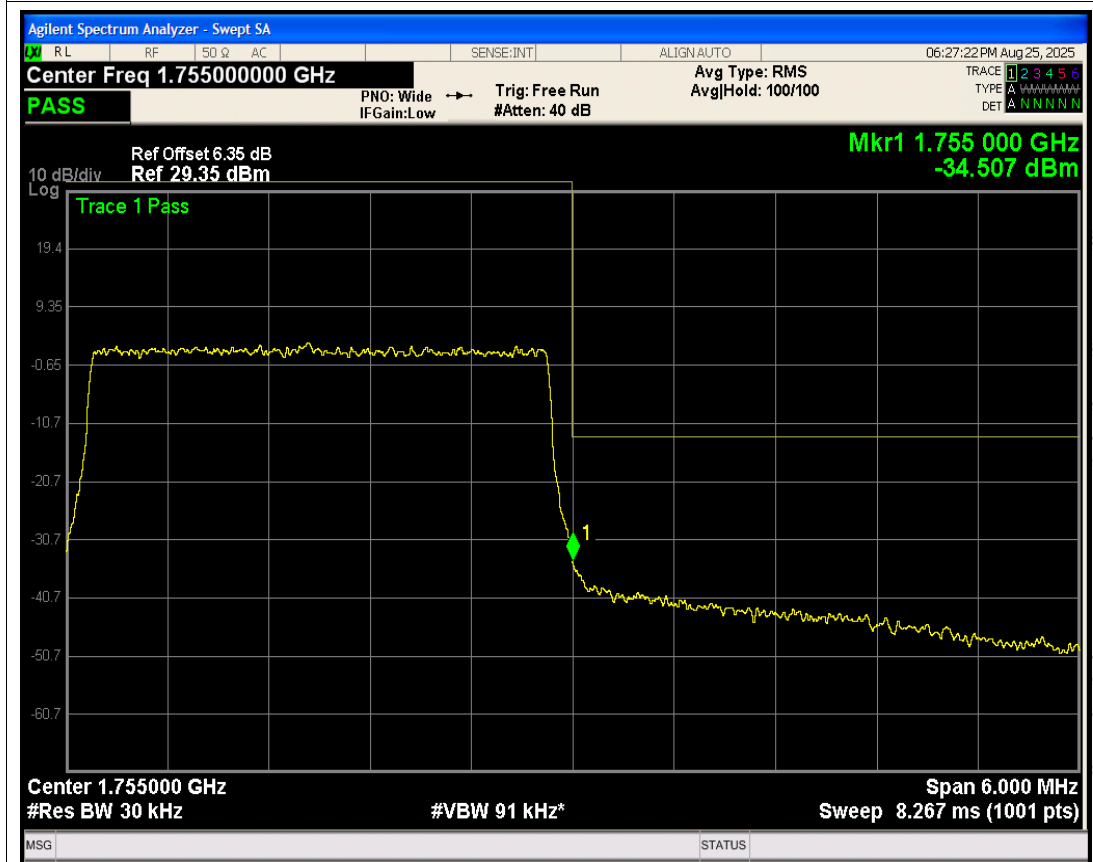
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



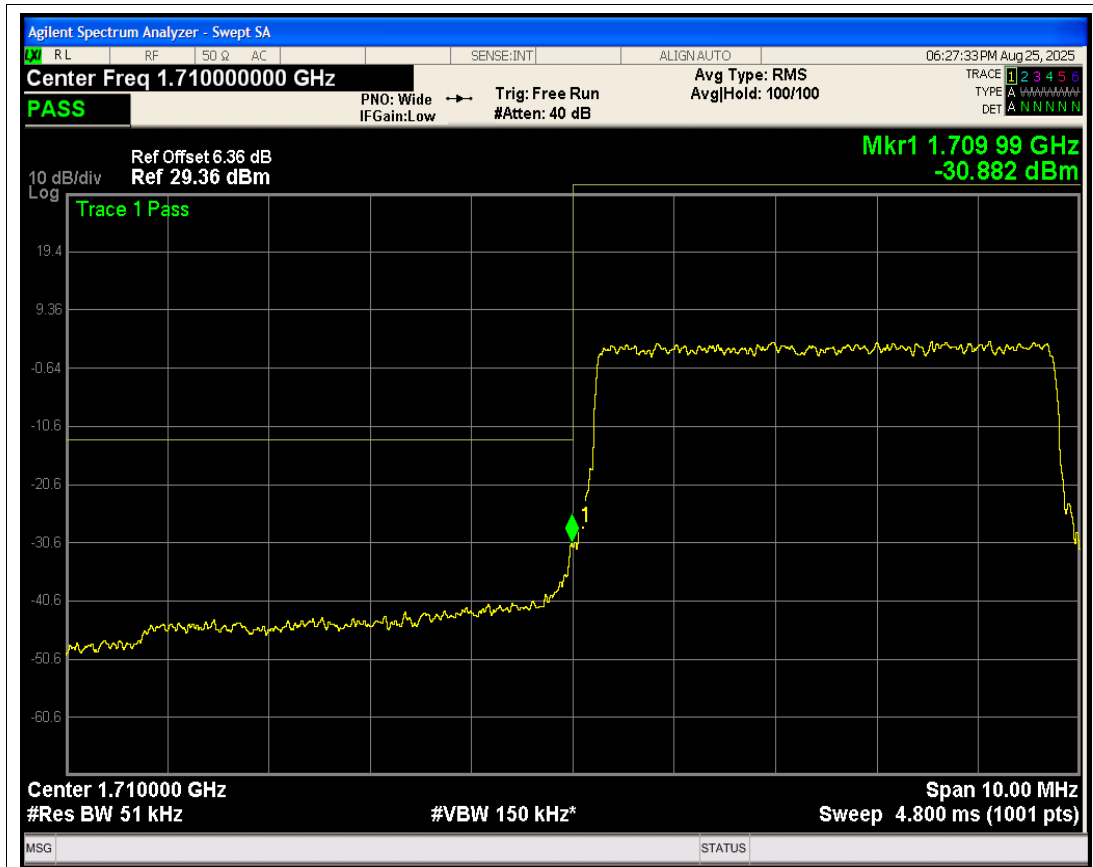
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



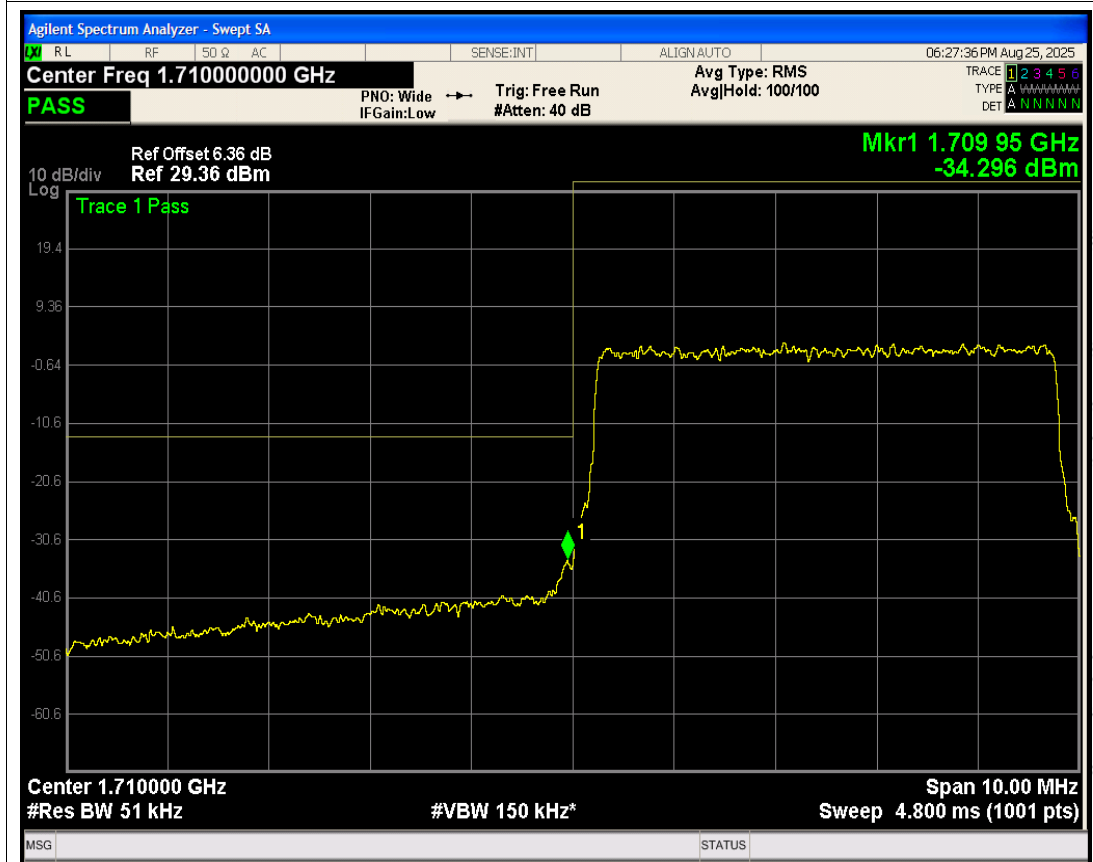
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



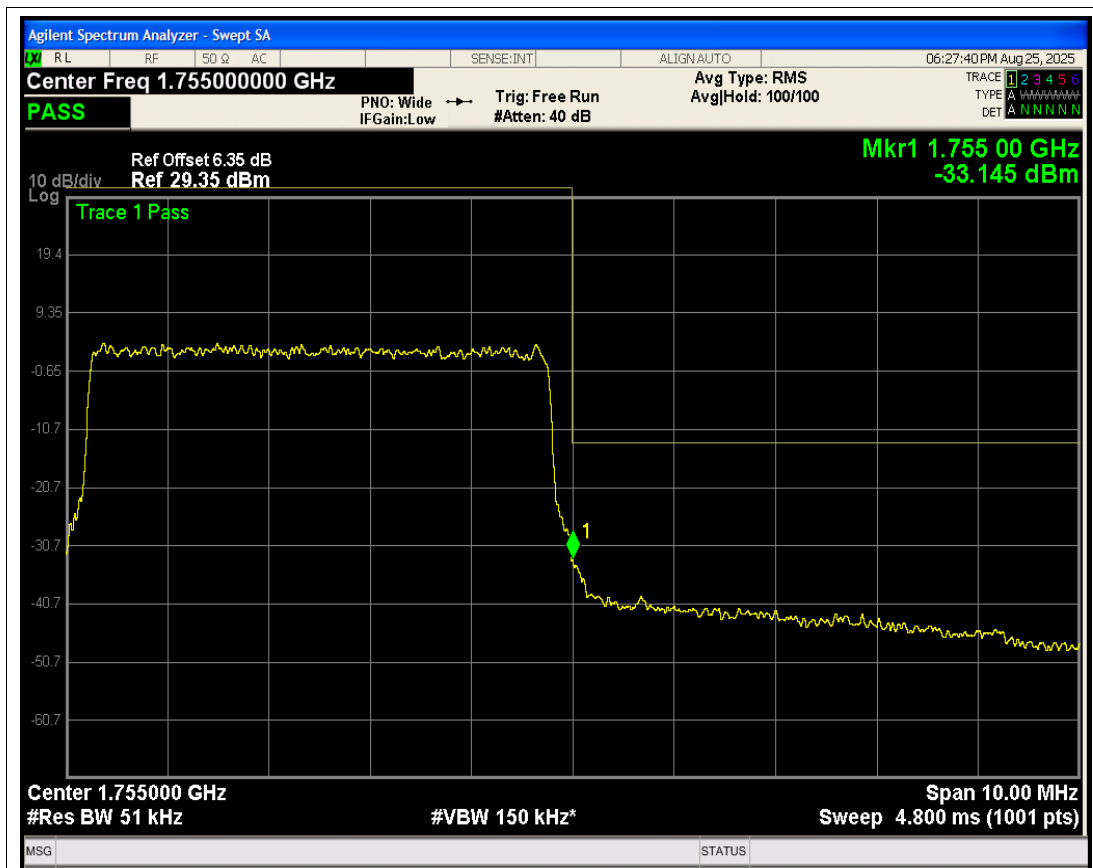
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



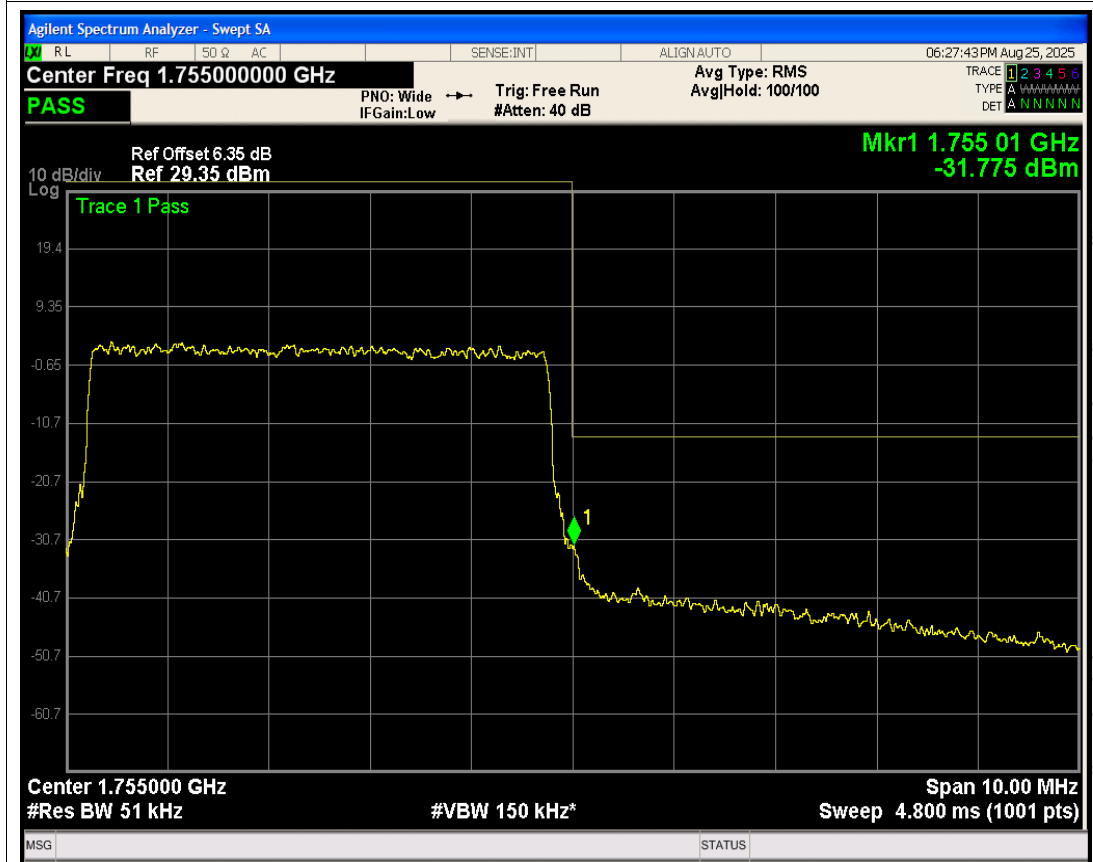
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



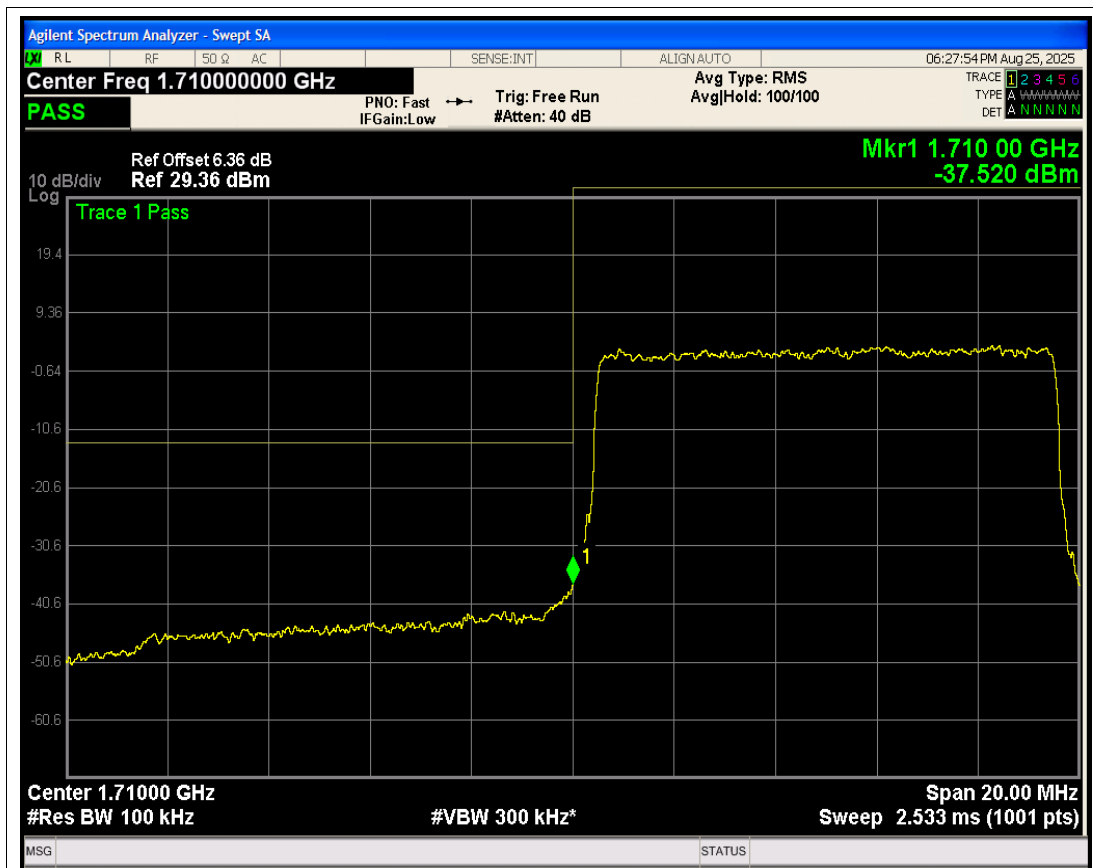
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



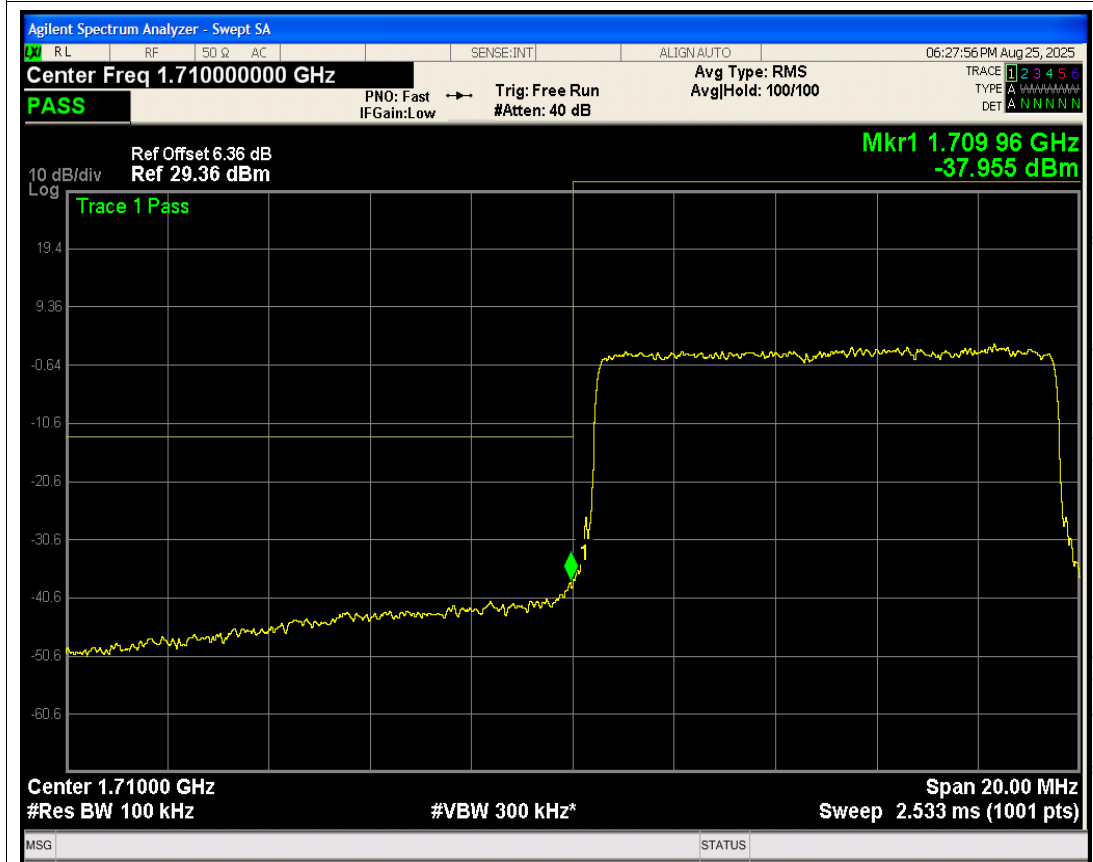
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



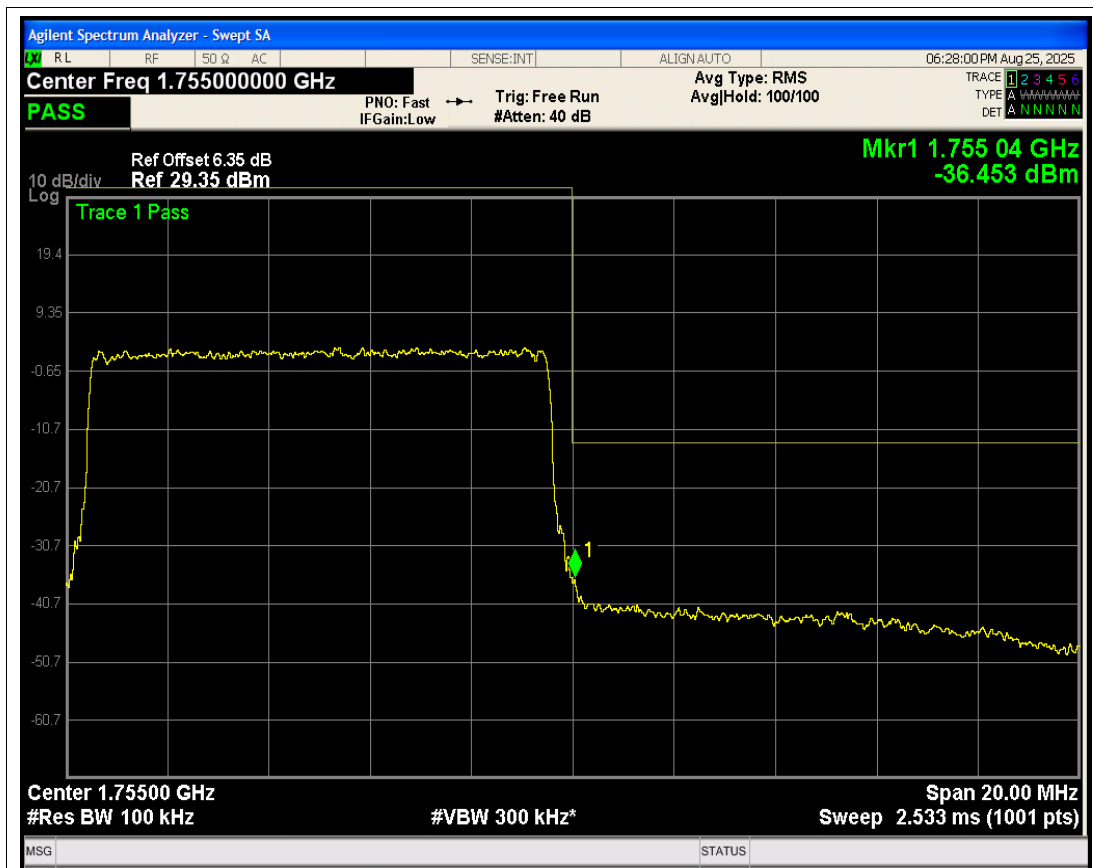
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



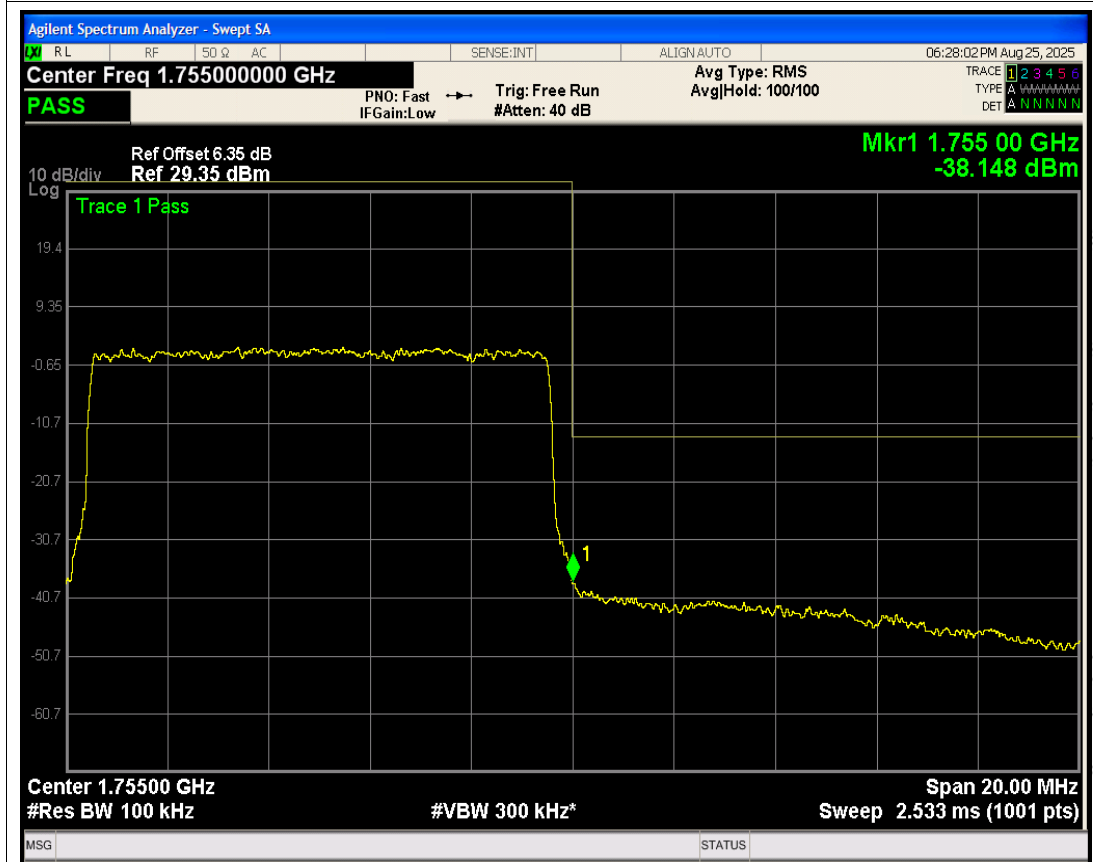
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



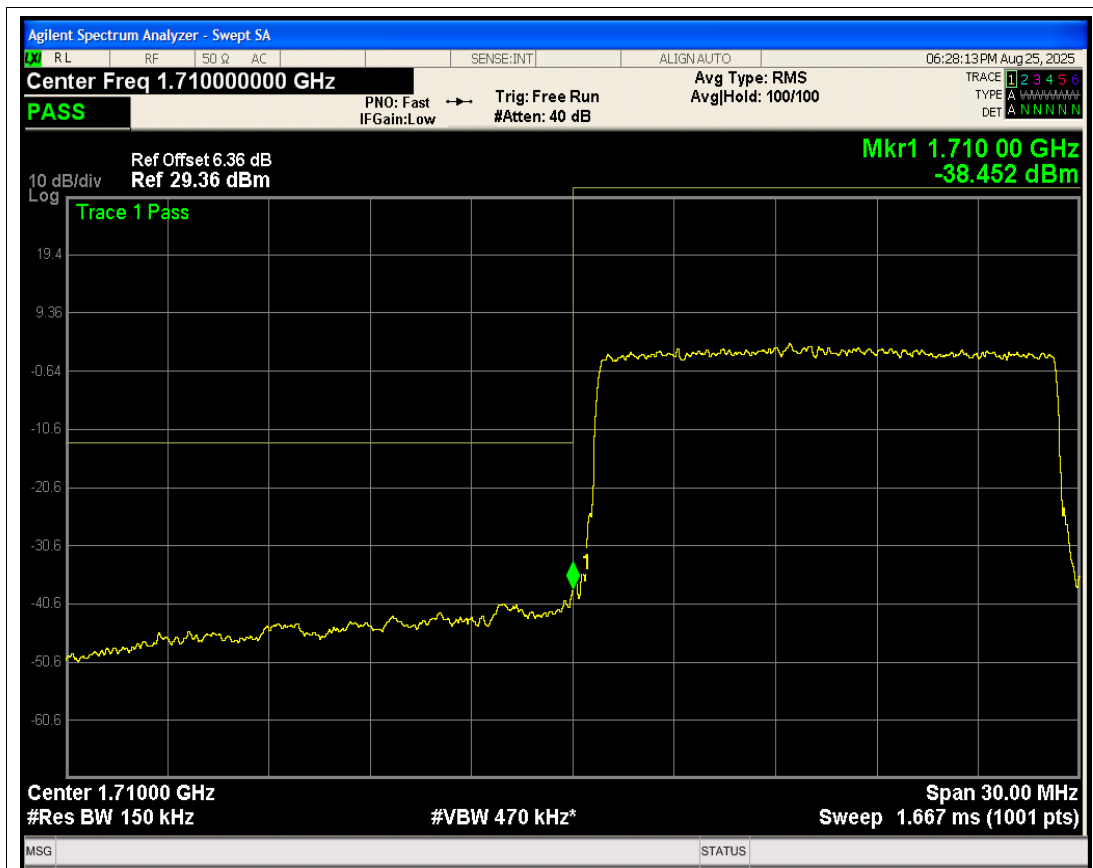
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



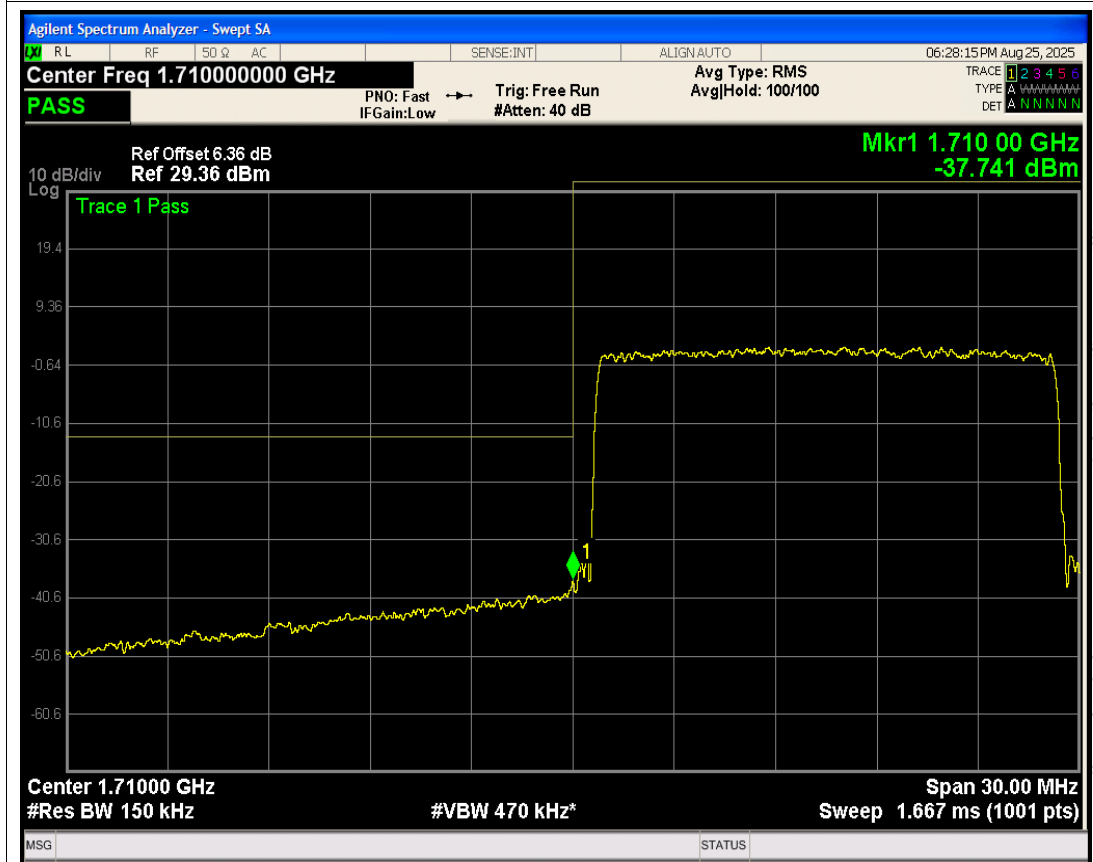
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



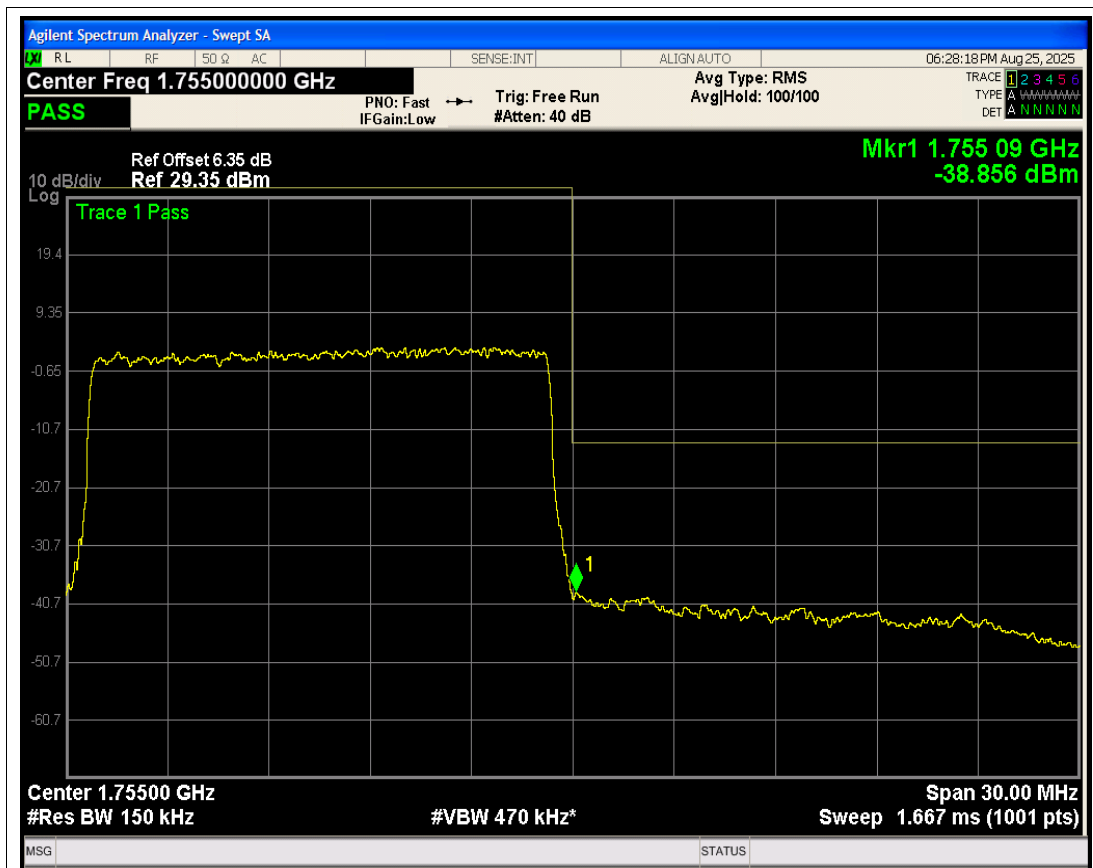
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



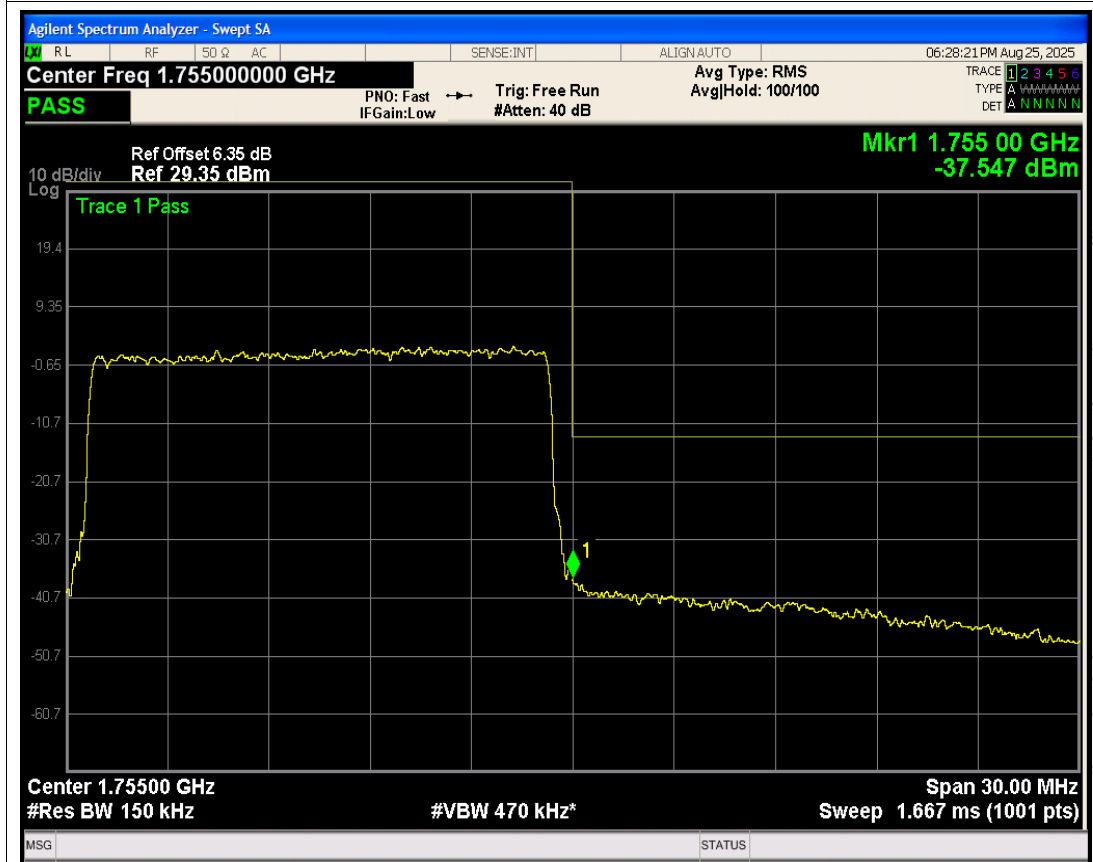
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



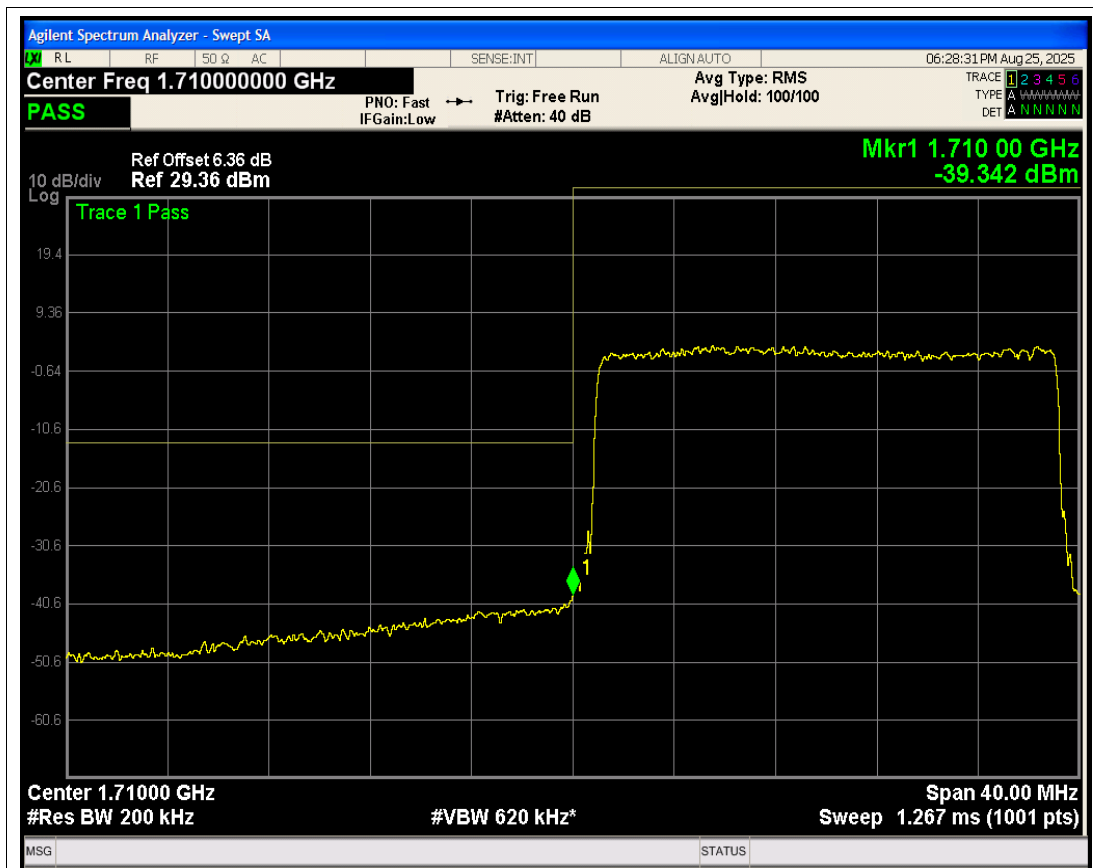
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



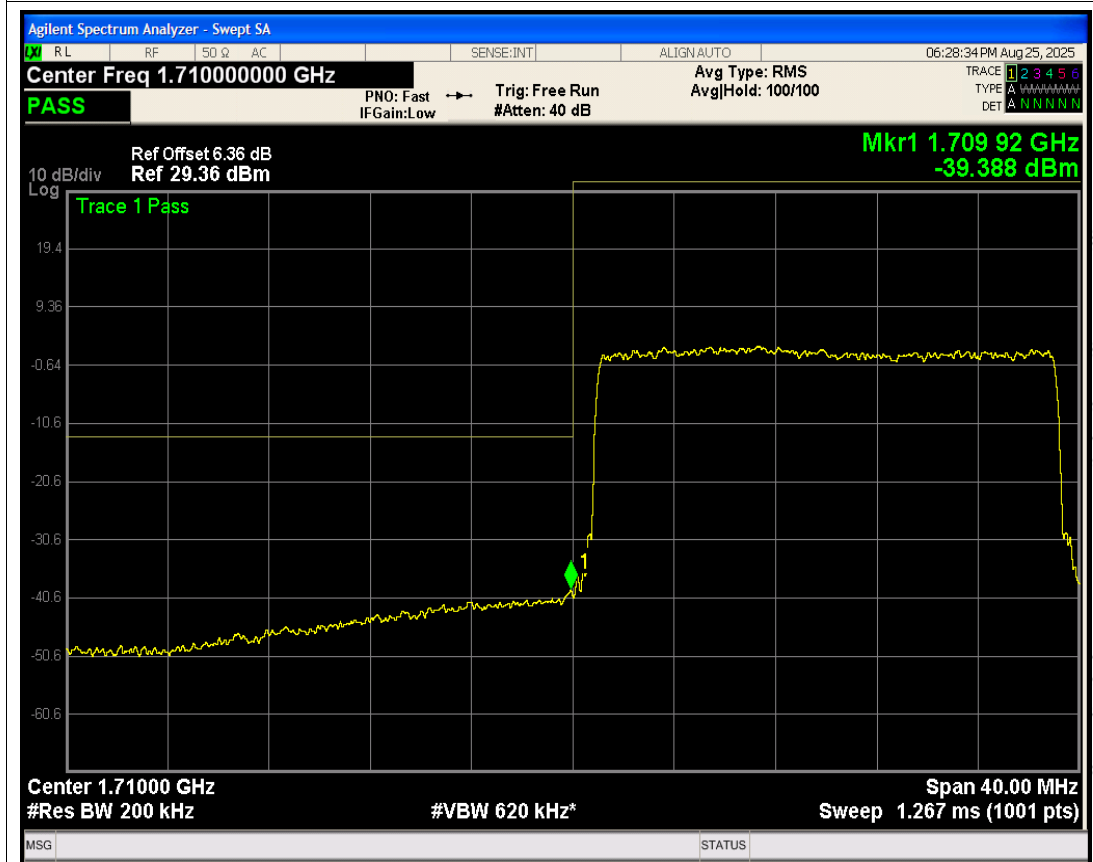
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



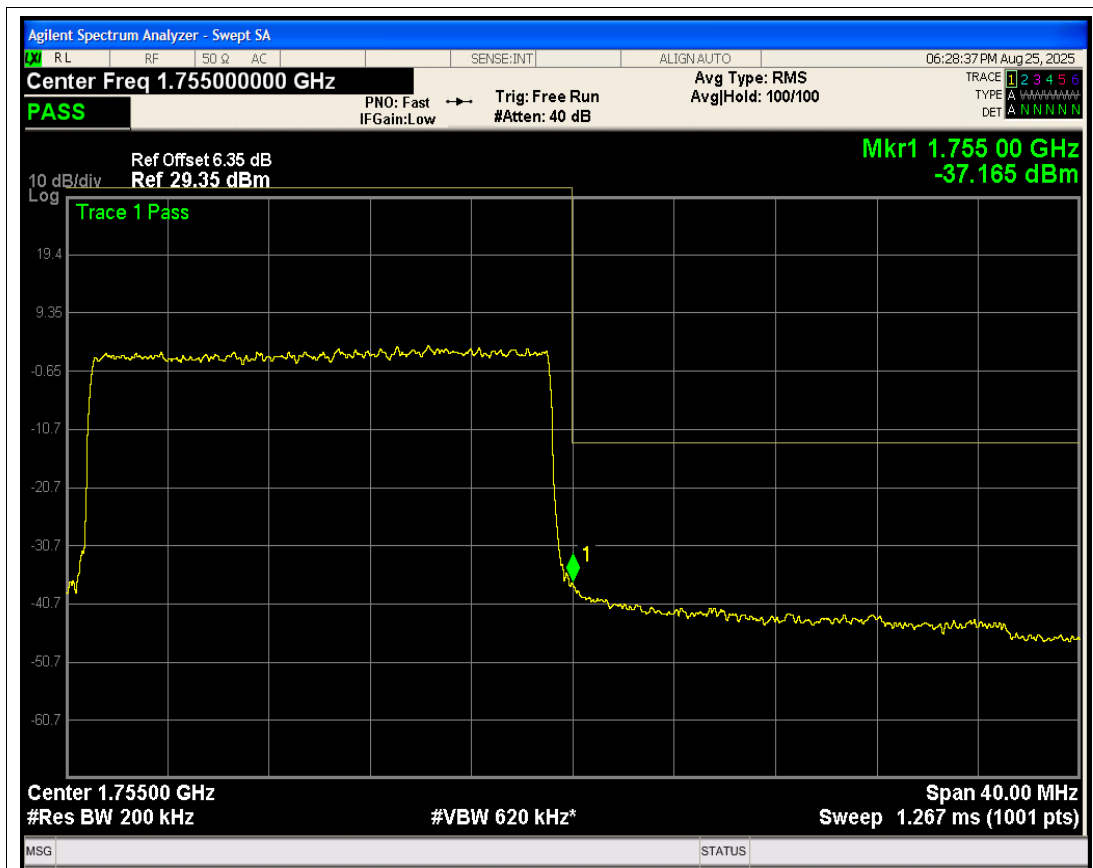
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



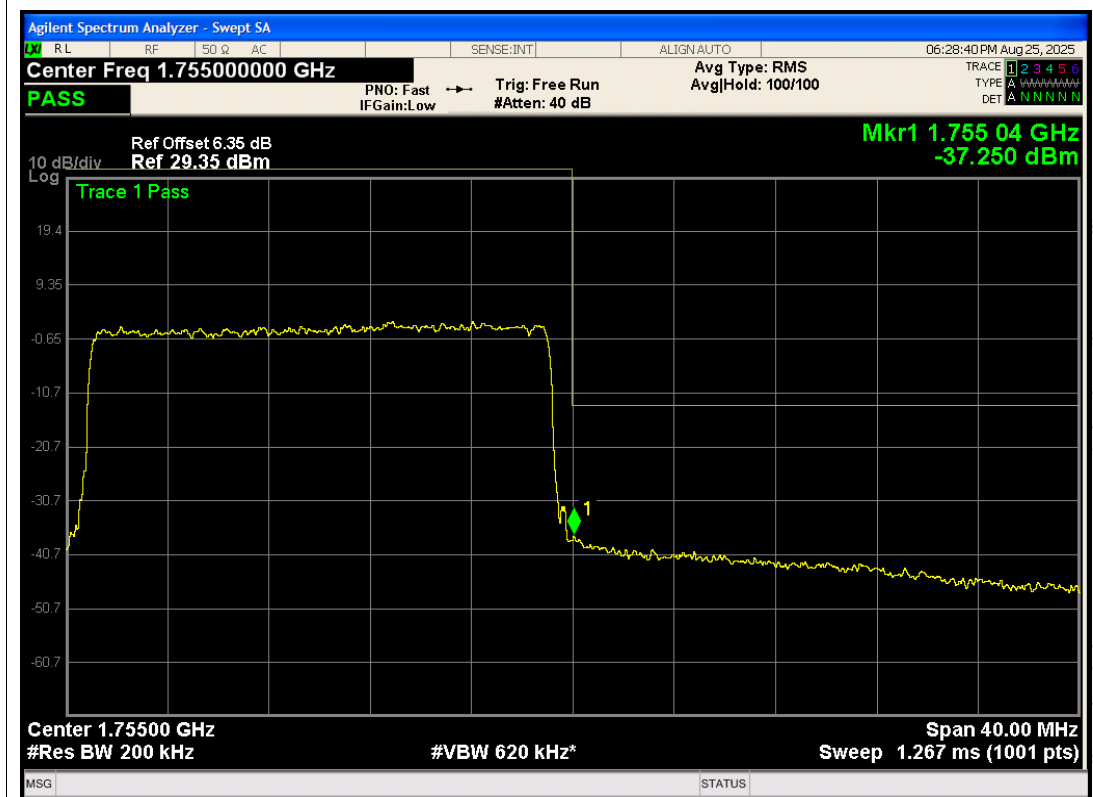
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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



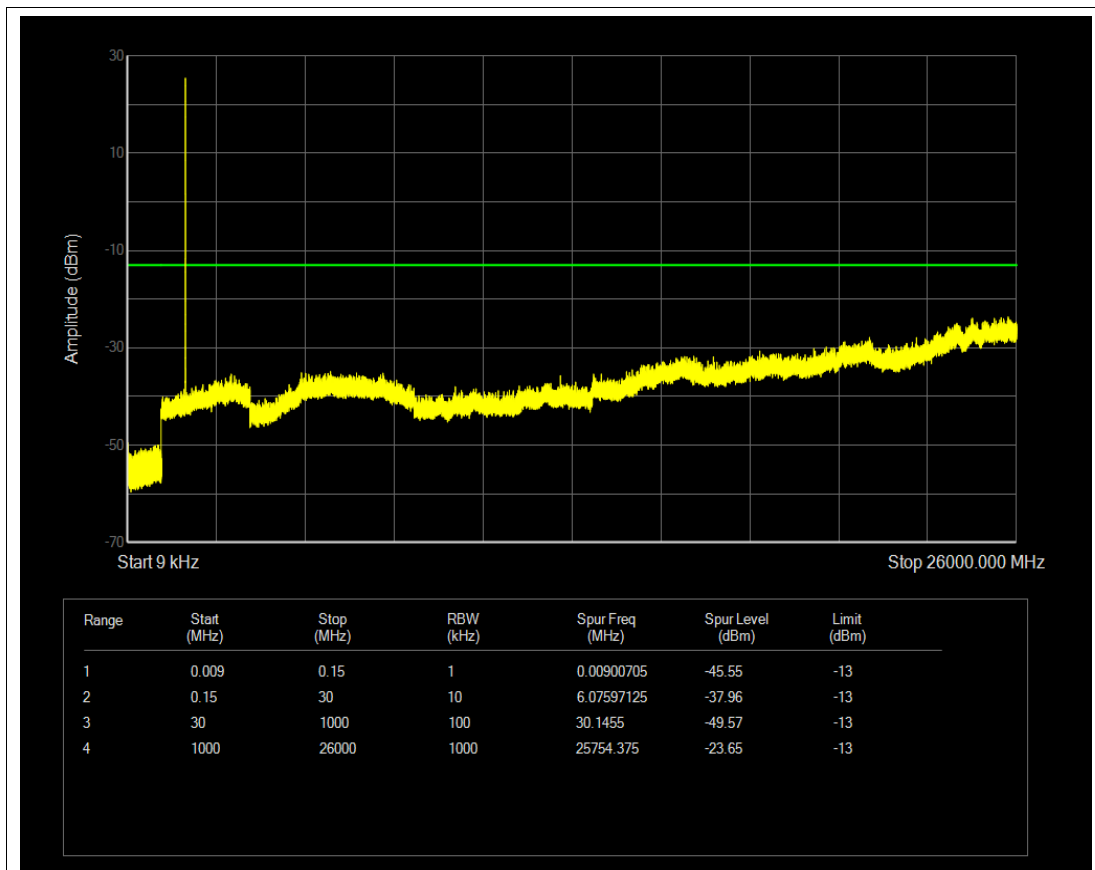
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



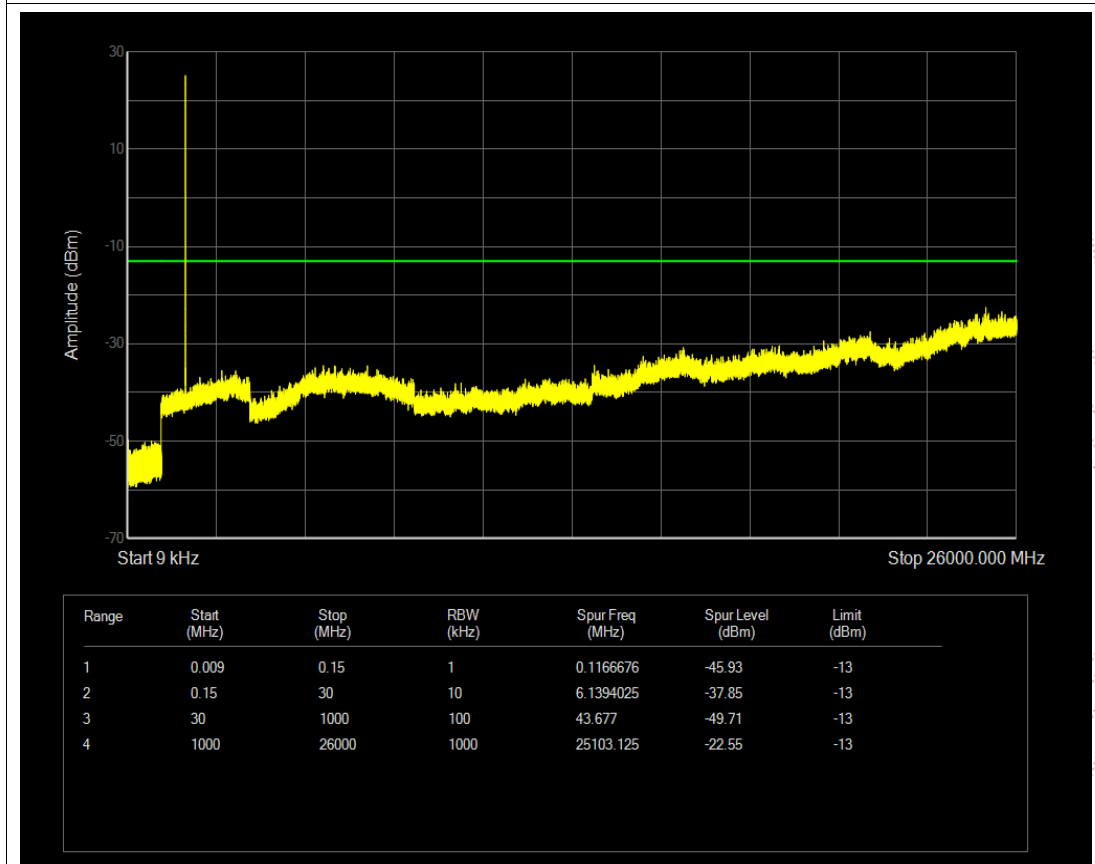
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0

Appendix 6.Out-of-band emissions

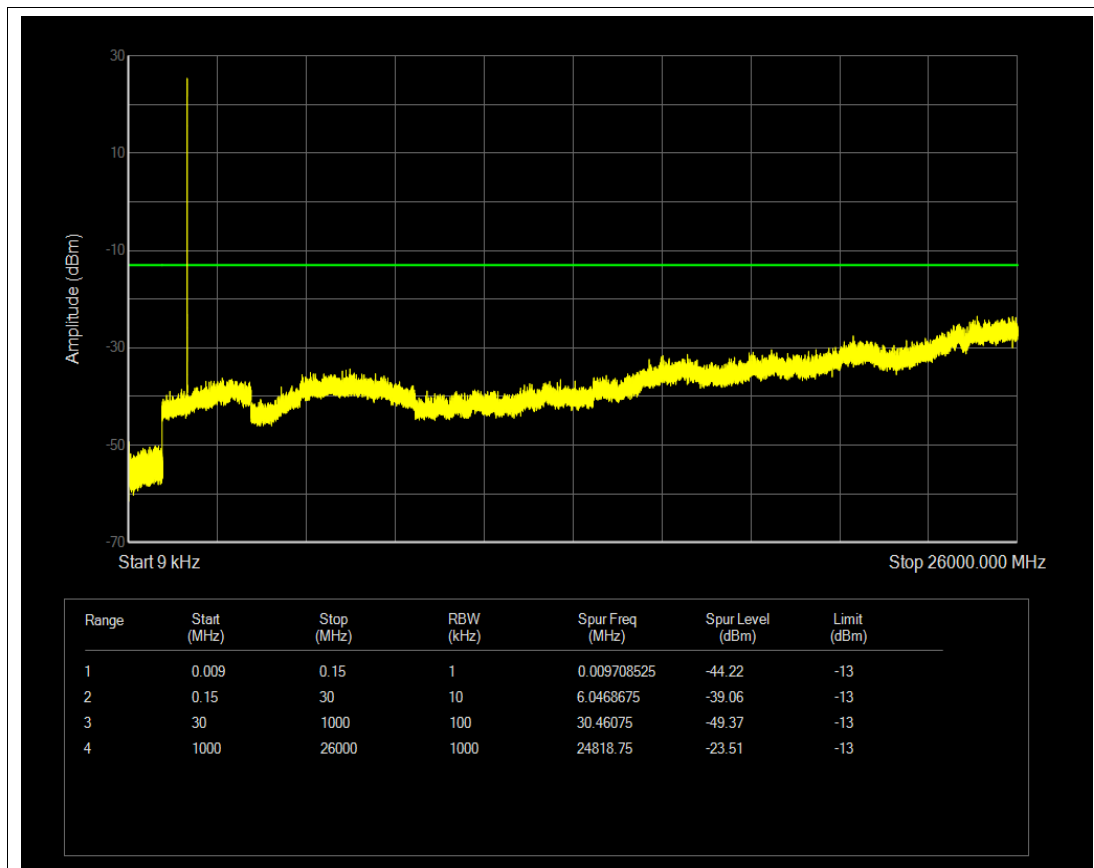
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	25754.38	-23.65	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25103.13	-22.55	-13	PASS
Band4	1.4	20175	6	#0	QPSK	24818.75	-23.51	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25976.25	-23.68	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25766.25	-22.28	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25994.38	-22.66	-13	PASS
Band4	3	19965	15	#0	QPSK	25106.25	-23.79	-13	PASS
Band4	3	19965	15	#0	16QAM	25671.88	-23.25	-13	PASS
Band4	3	20175	15	#0	QPSK	25155.00	-23.78	-13	PASS
Band4	3	20175	15	#0	16QAM	25366.88	-22.79	-13	PASS
Band4	3	20385	15	#0	QPSK	25635.00	-23.47	-13	PASS
Band4	3	20385	15	#0	16QAM	25925.63	-23.36	-13	PASS
Band4	5	19975	25	#0	QPSK	25857.50	-23.47	-13	PASS
Band4	5	19975	25	#0	16QAM	25451.88	-23.64	-13	PASS
Band4	5	20175	25	#0	QPSK	25888.13	-23.54	-13	PASS
Band4	5	20175	25	#0	16QAM	25751.88	-23.43	-13	PASS
Band4	5	20375	25	#0	QPSK	25316.25	-23.26	-13	PASS
Band4	5	20375	25	#0	16QAM	24711.88	-22.17	-13	PASS
Band4	10	20000	50	#0	QPSK	25123.13	-22.87	-13	PASS
Band4	10	20000	50	#0	16QAM	25087.50	-23.48	-13	PASS
Band4	10	20175	50	#0	QPSK	25933.75	-23.33	-13	PASS
Band4	10	20175	50	#0	16QAM	25458.13	-23.06	-13	PASS
Band4	10	20350	50	#0	QPSK	25740.63	-22.76	-13	PASS
Band4	10	20350	50	#0	16QAM	24643.75	-23.72	-13	PASS
Band4	15	20025	75	#0	QPSK	25583.75	-23.40	-13	PASS
Band4	15	20025	75	#0	16QAM	24999.38	-23.44	-13	PASS
Band4	15	20175	75	#0	QPSK	25088.75	-22.84	-13	PASS
Band4	15	20175	75	#0	16QAM	25503.13	-22.99	-13	PASS
Band4	15	20325	75	#0	QPSK	24701.25	-22.91	-13	PASS
Band4	15	20325	75	#0	16QAM	25751.25	-22.64	-13	PASS
Band4	20	20050	100	#0	QPSK	25995.63	-22.95	-13	PASS
Band4	20	20050	100	#0	16QAM	25471.25	-22.57	-13	PASS
Band4	20	20175	100	#0	QPSK	25720.63	-23.76	-13	PASS
Band4	20	20175	100	#0	16QAM	24873.13	-22.75	-13	PASS
Band4	20	20300	100	#0	QPSK	25623.13	-23.31	-13	PASS
Band4	20	20300	100	#0	16QAM	24756.25	-22.98	-13	PASS



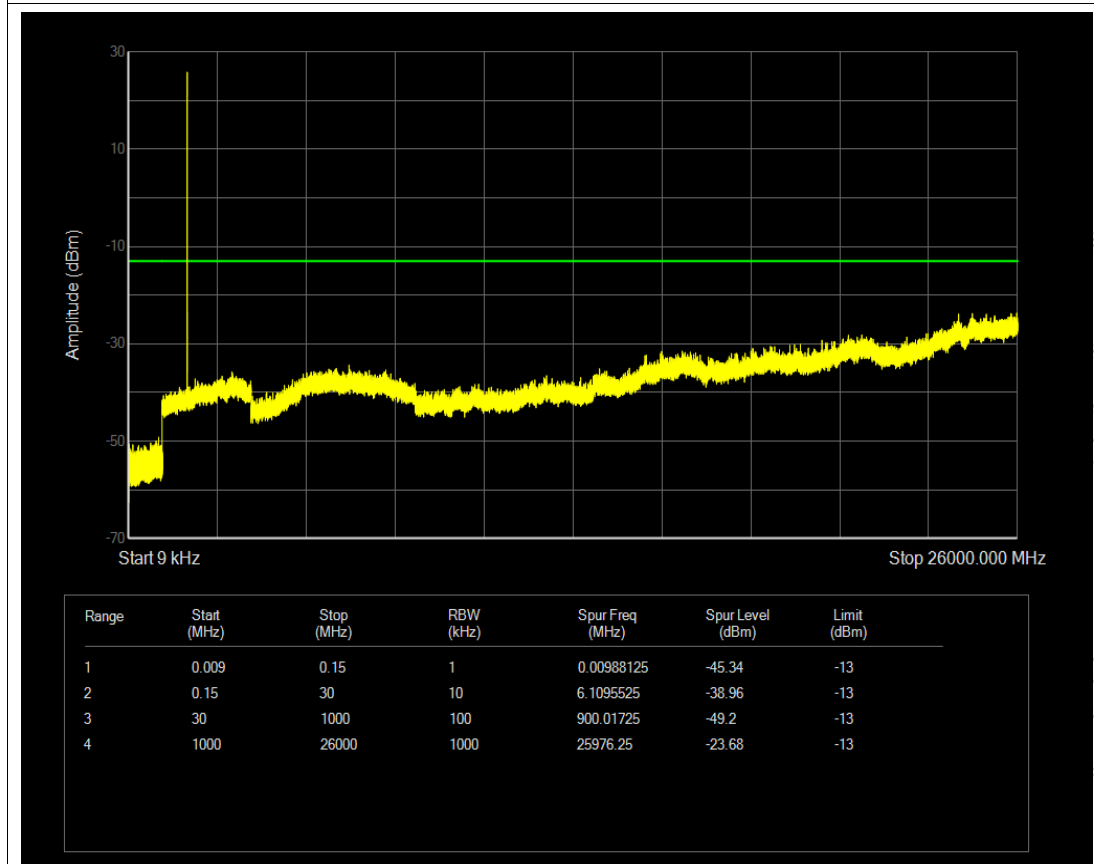
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



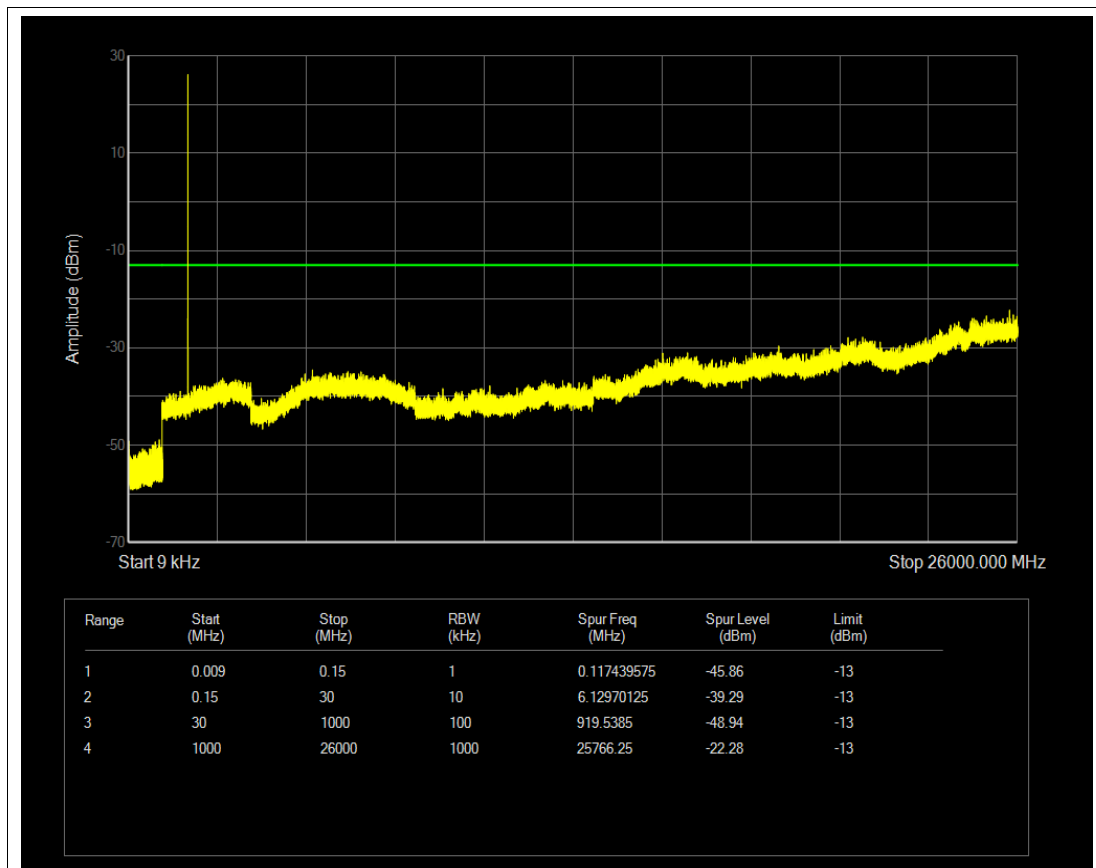
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



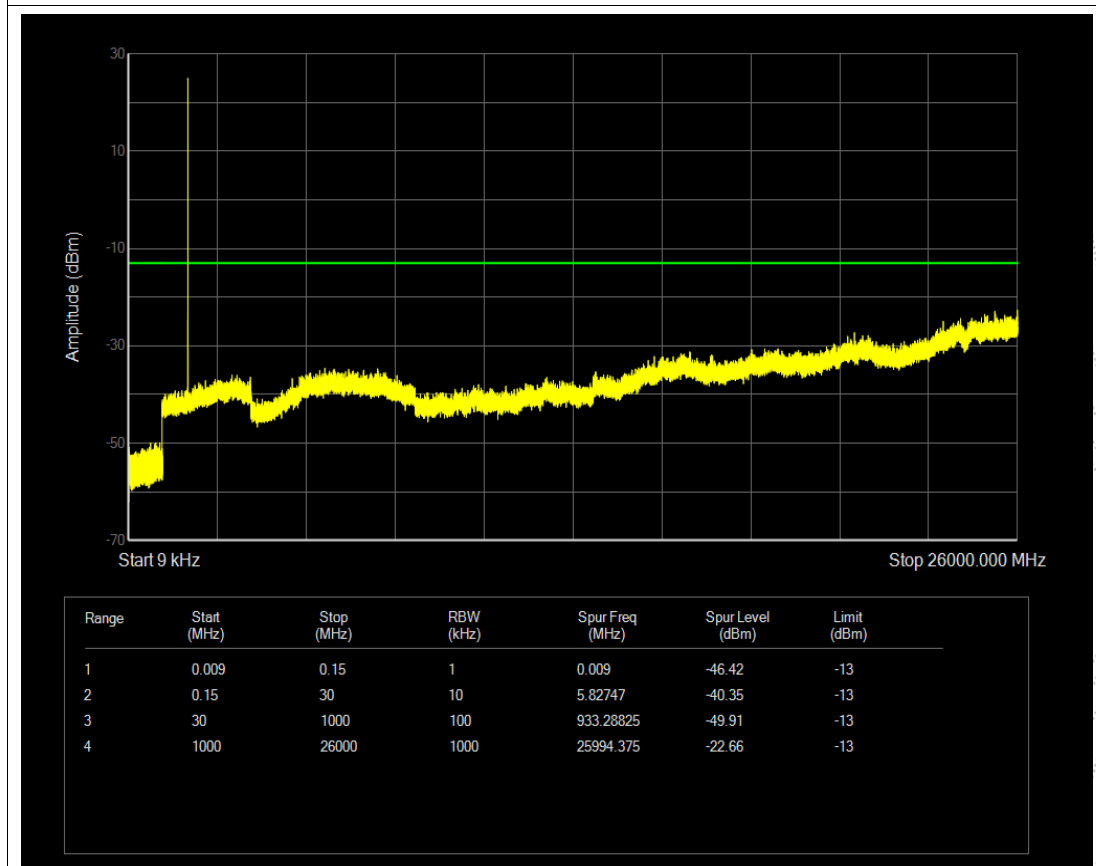
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



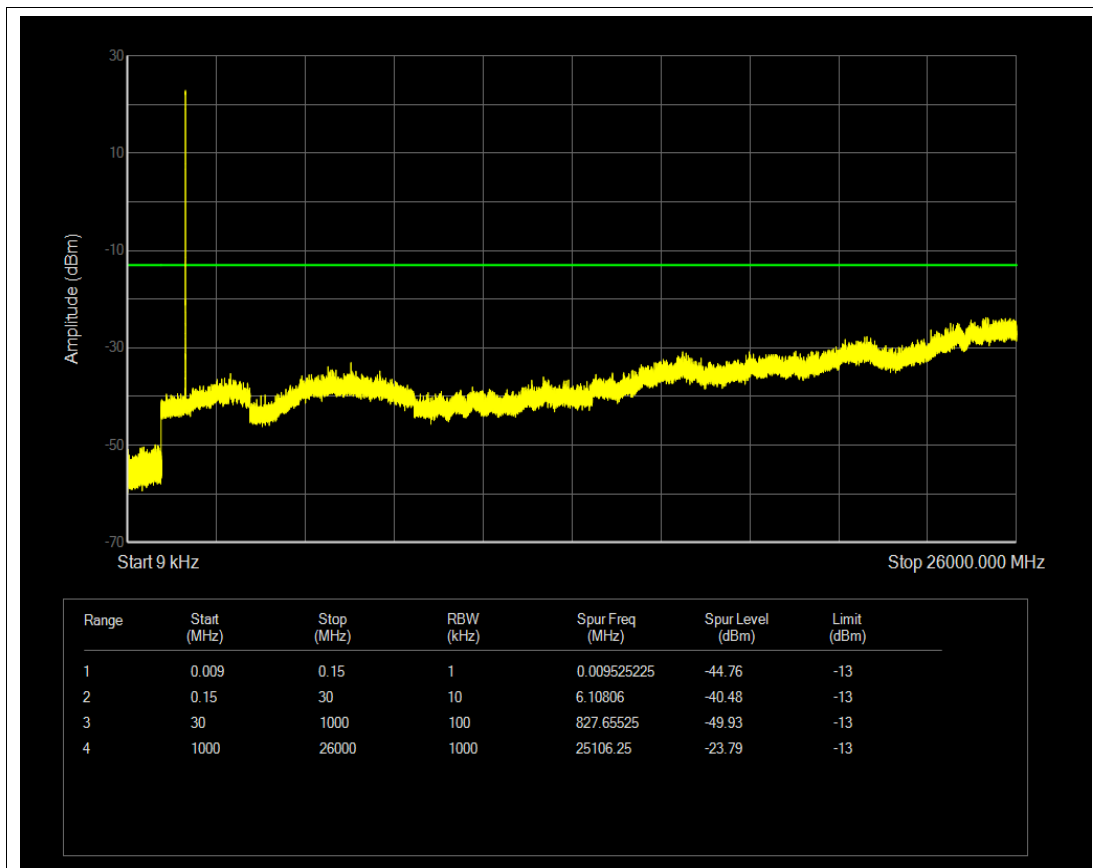
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



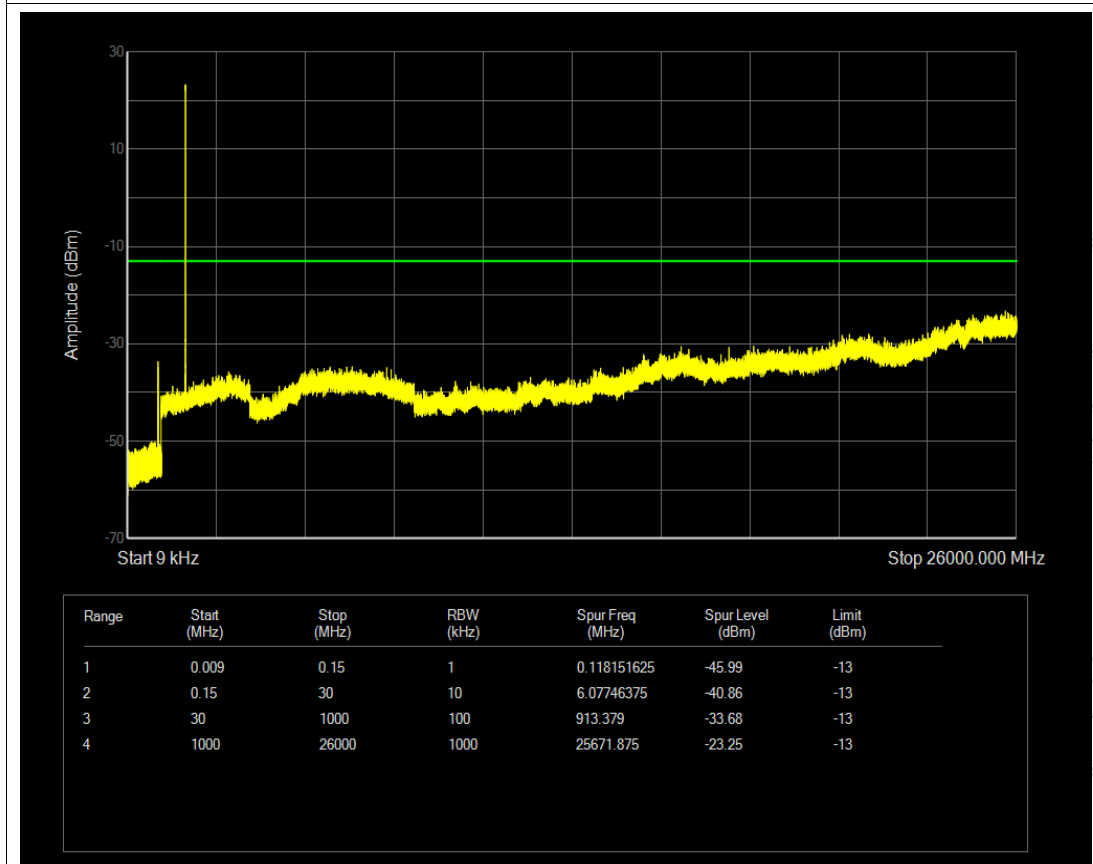
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



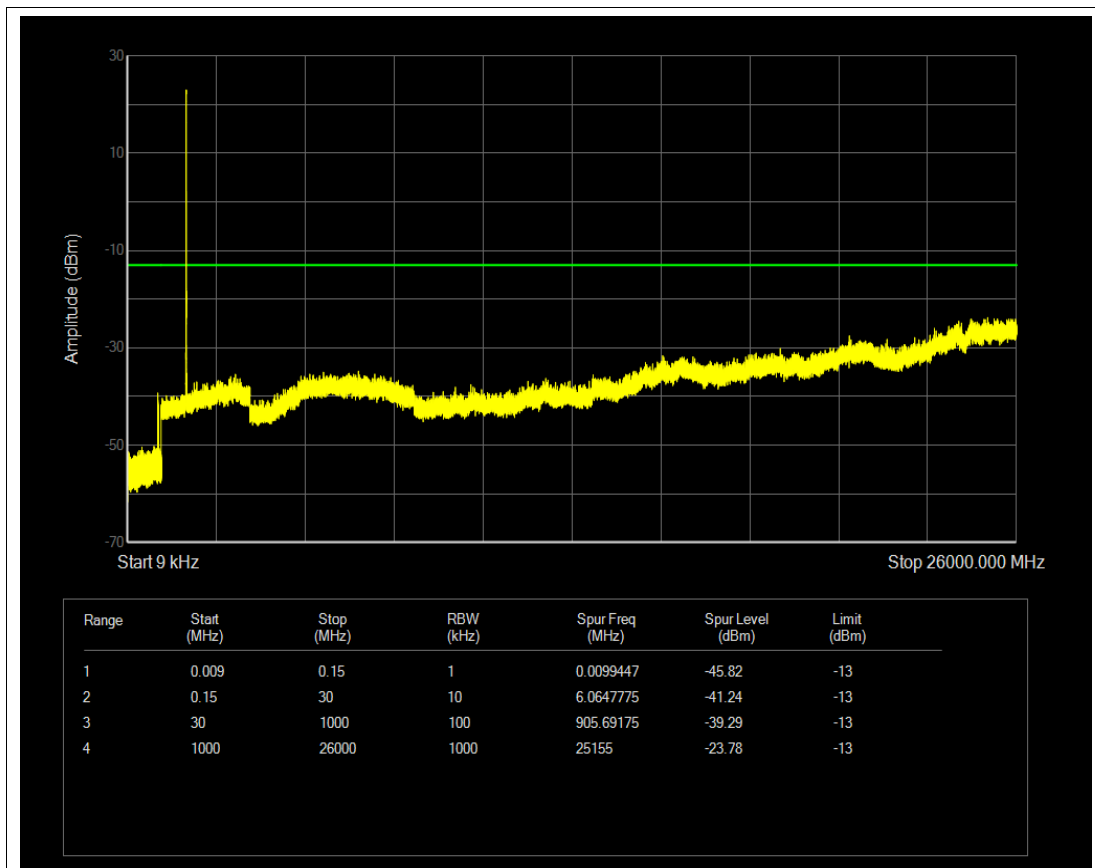
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



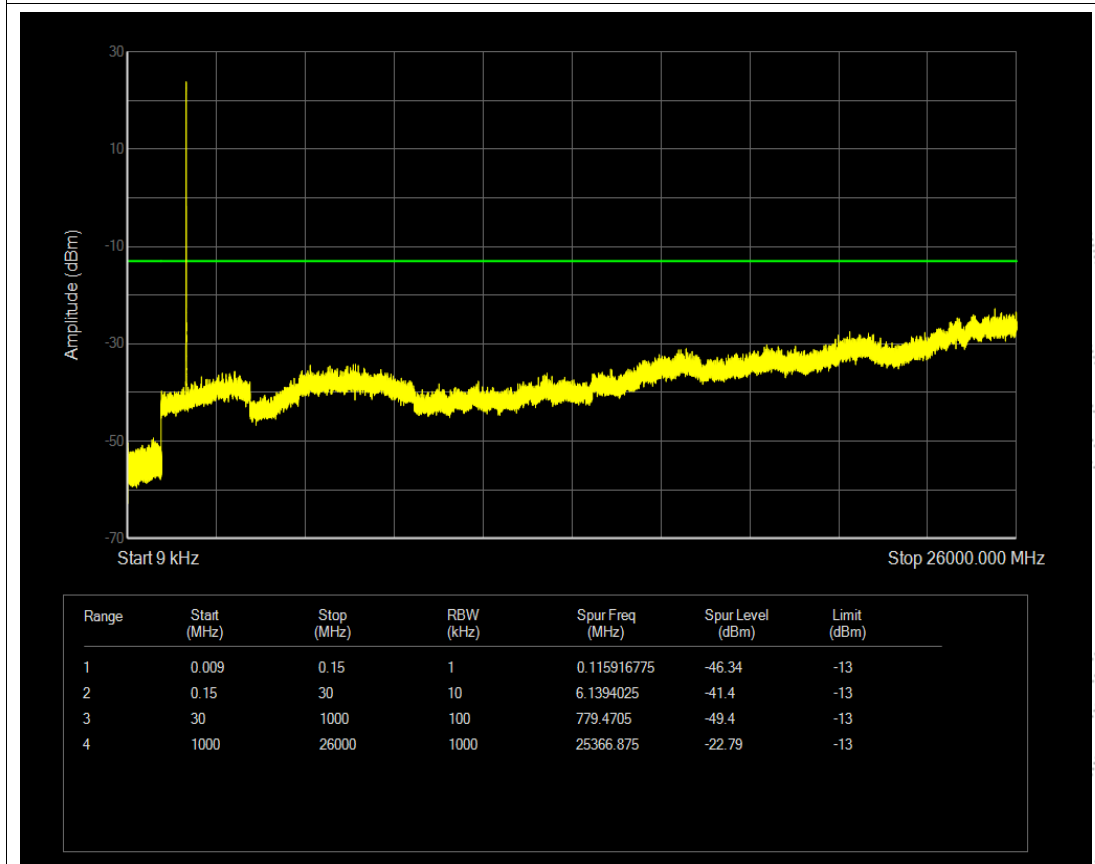
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



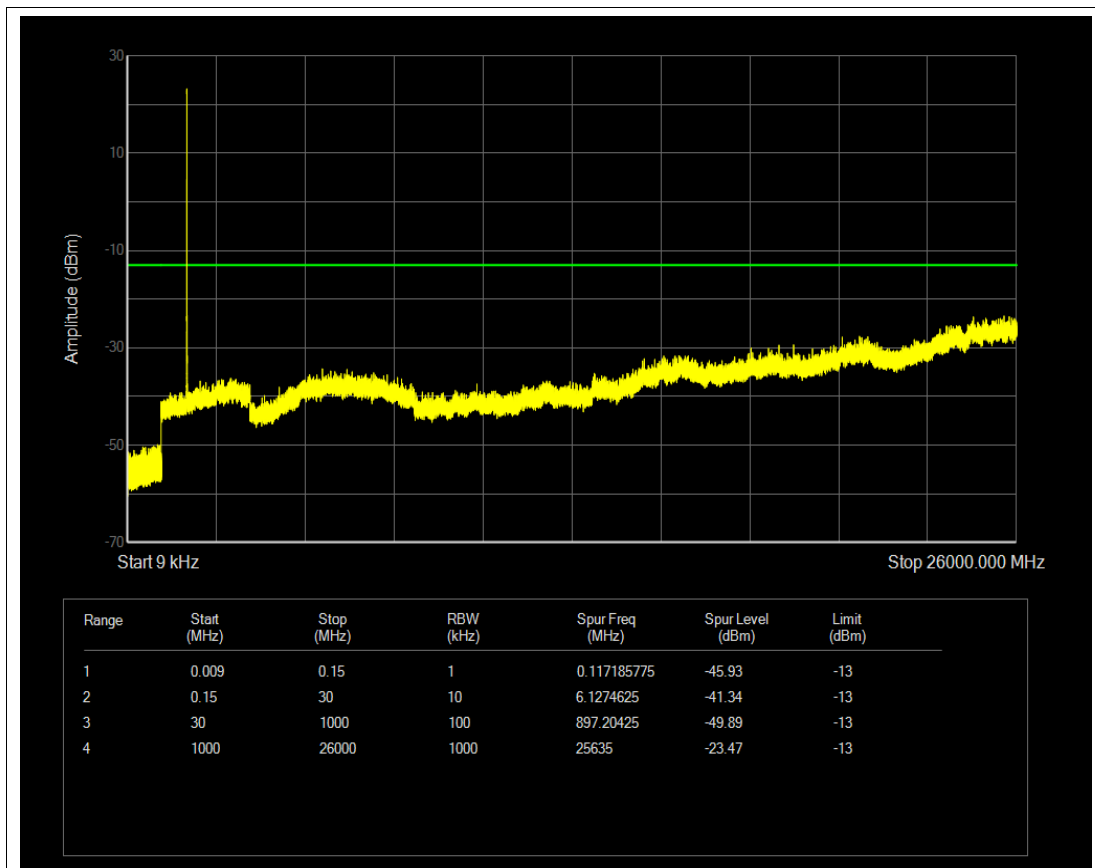
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



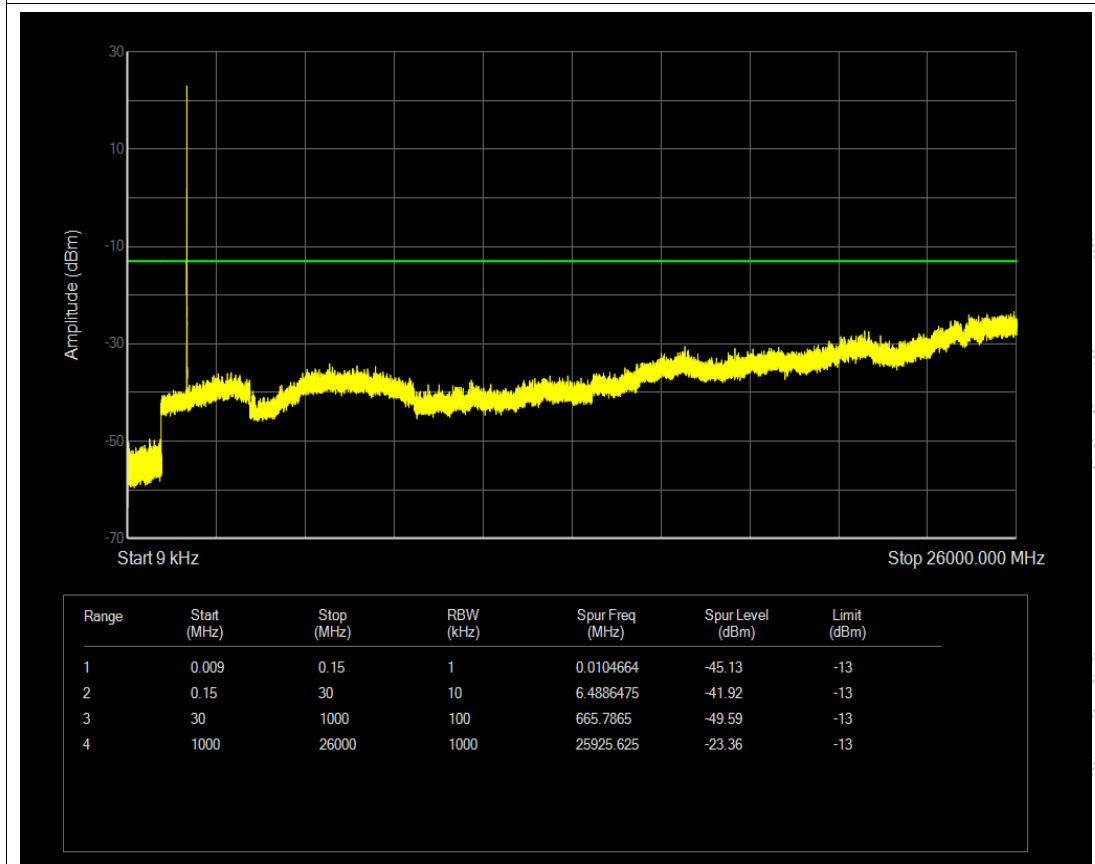
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



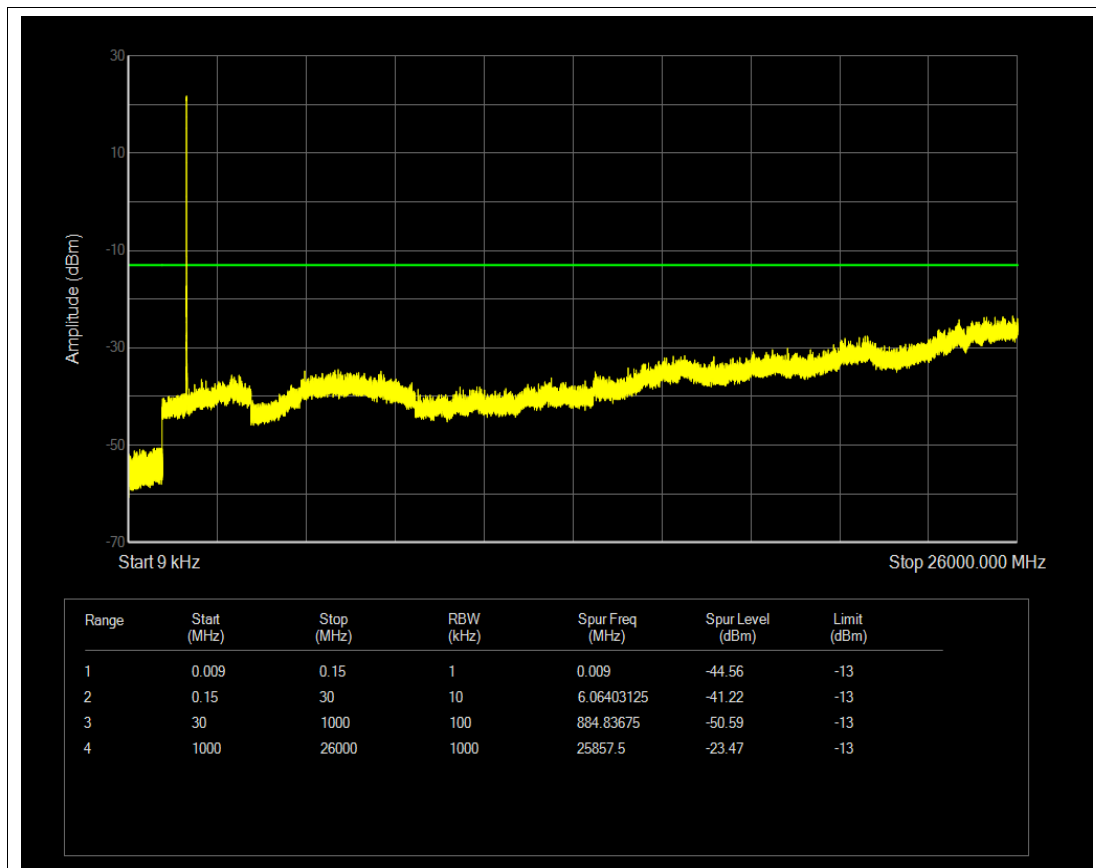
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



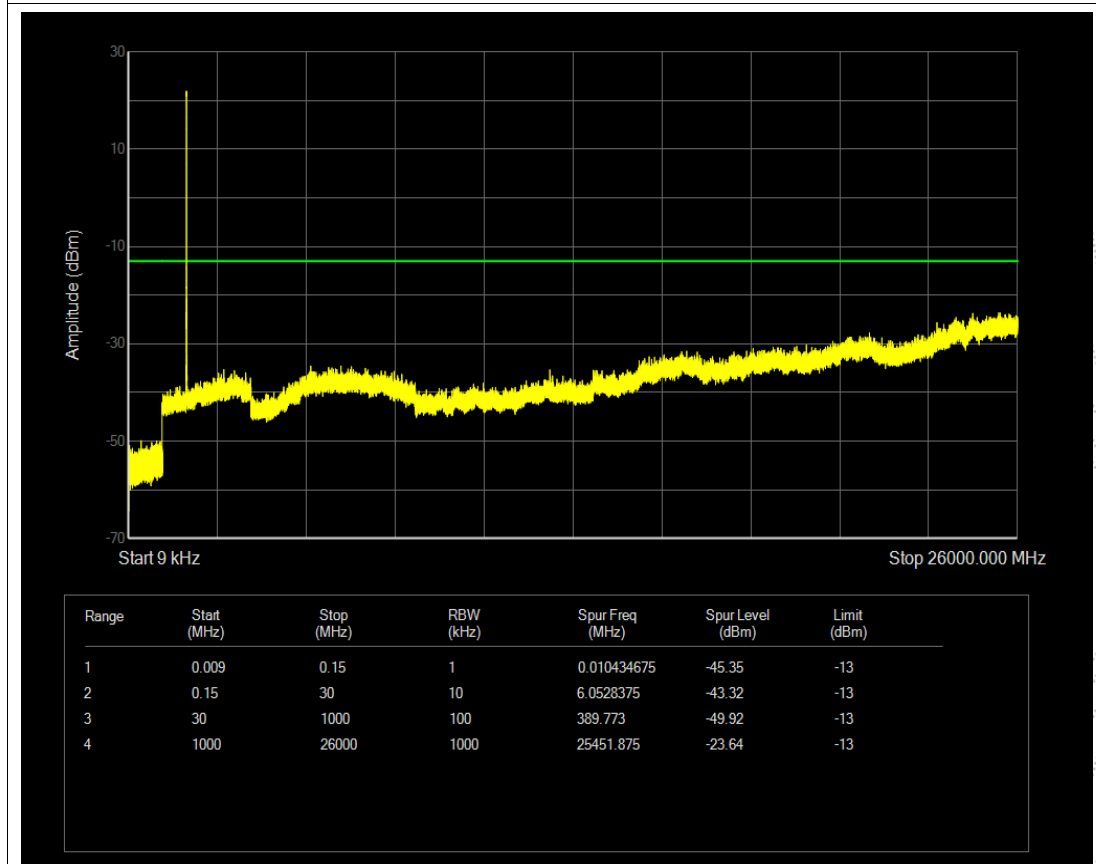
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



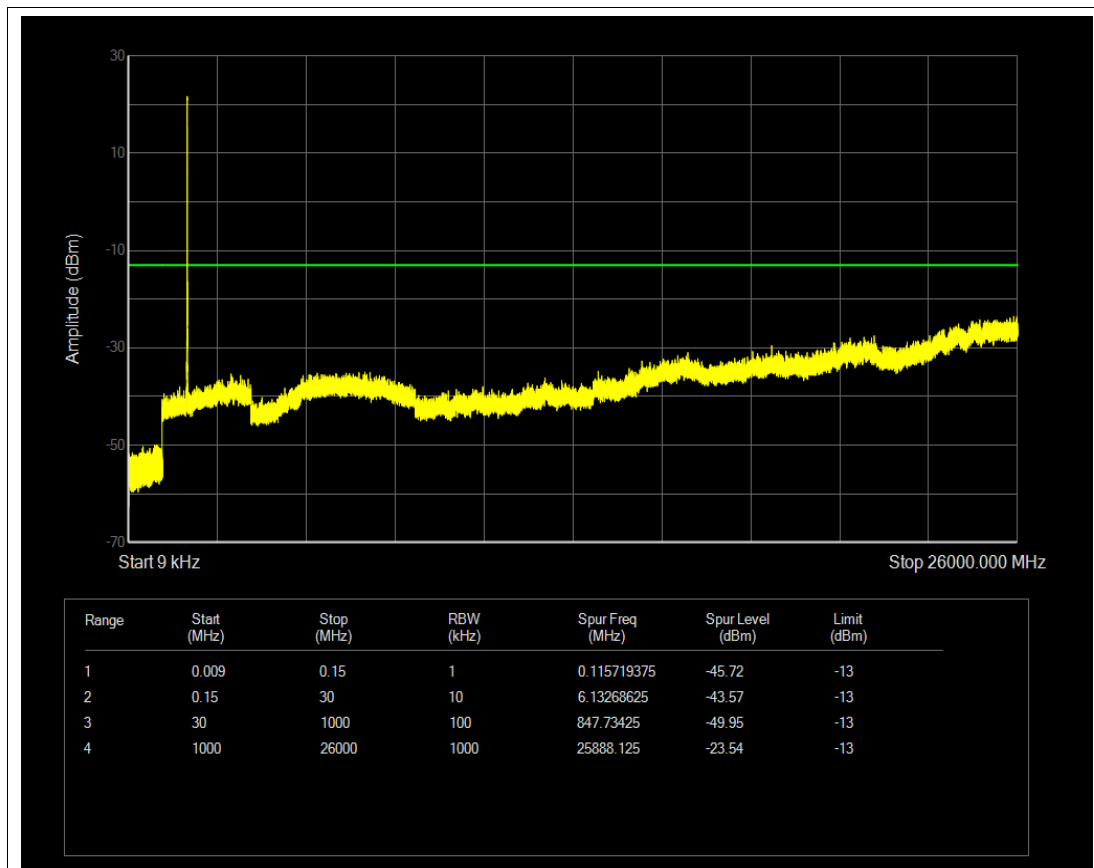
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



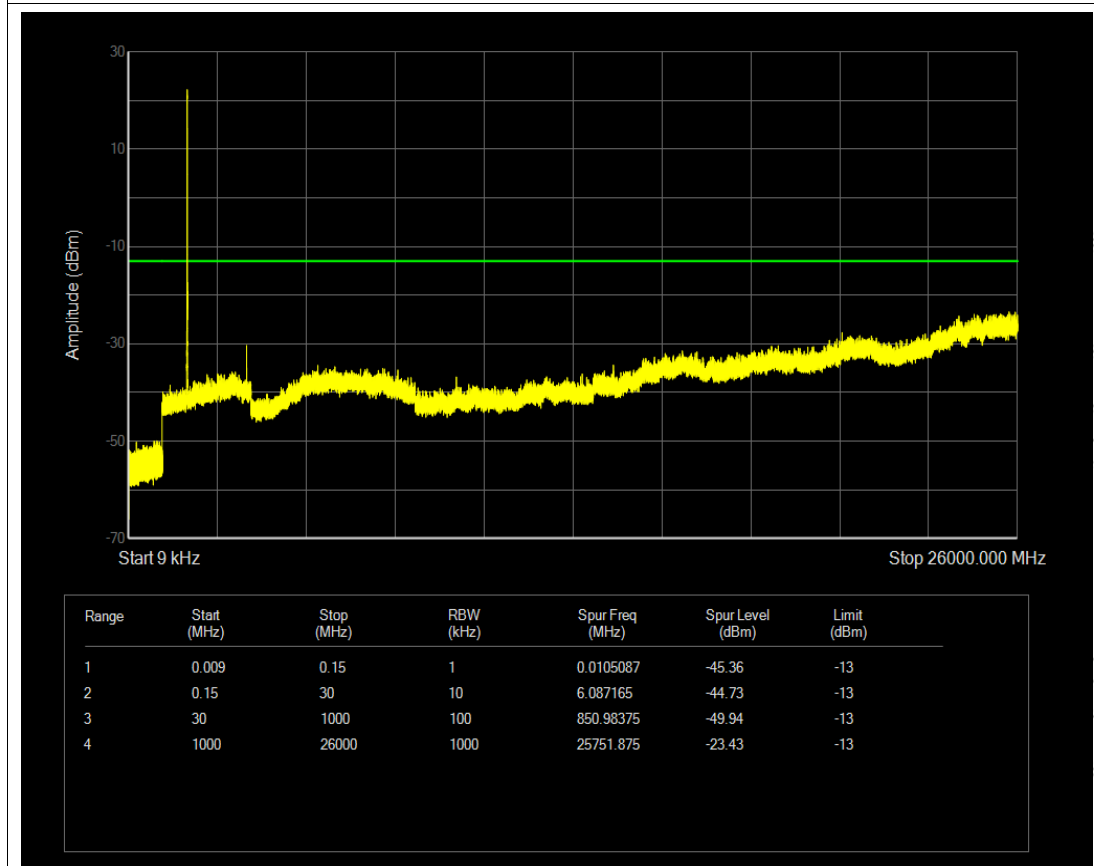
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



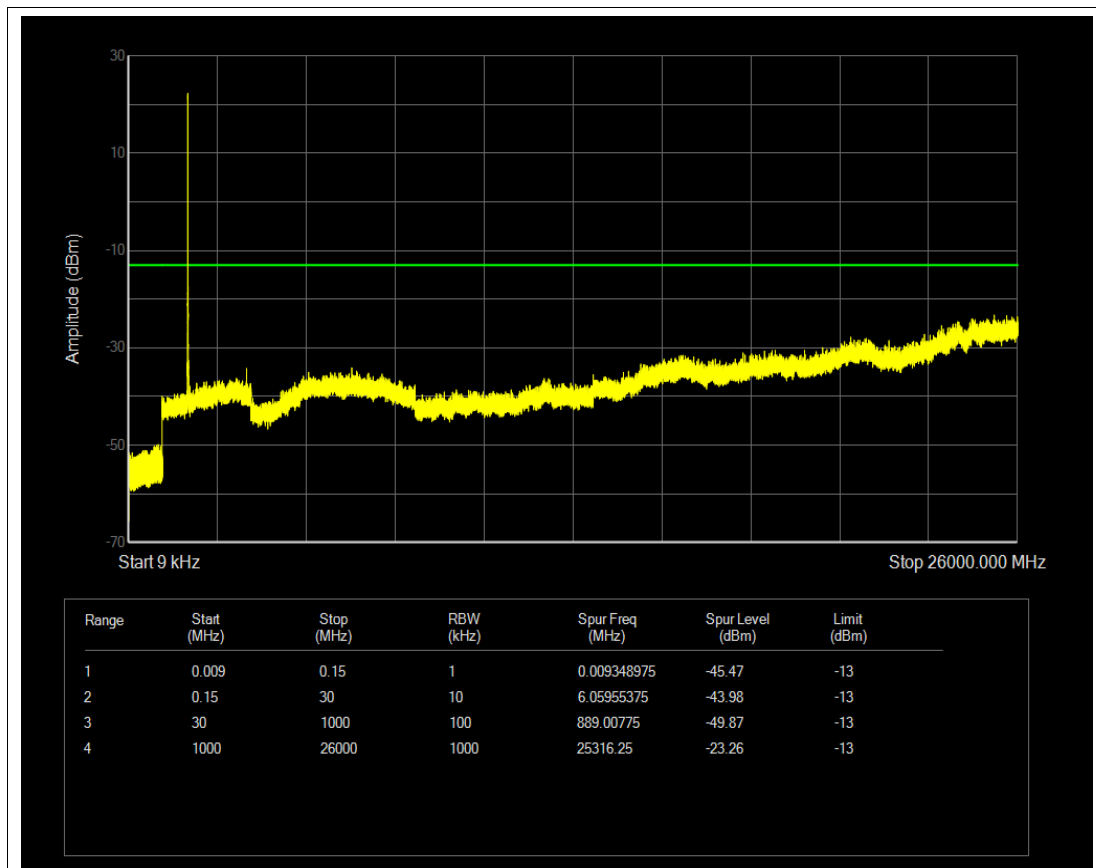
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



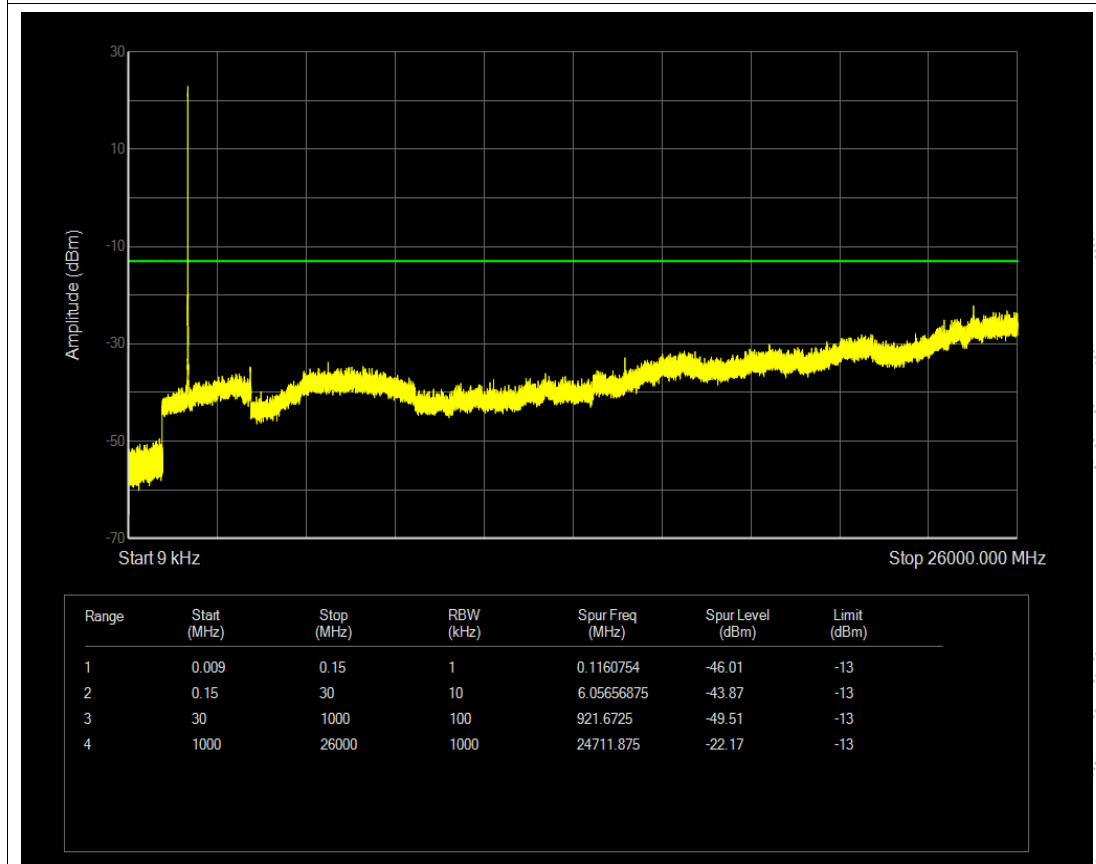
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



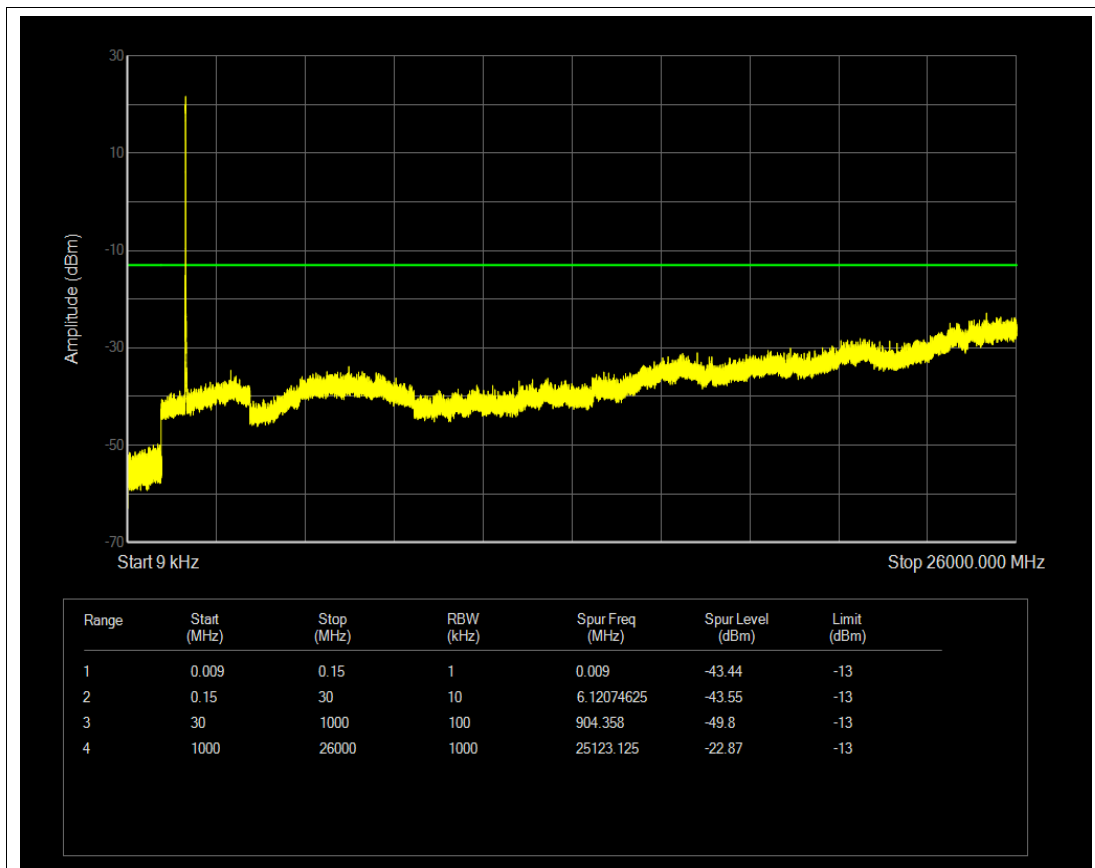
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



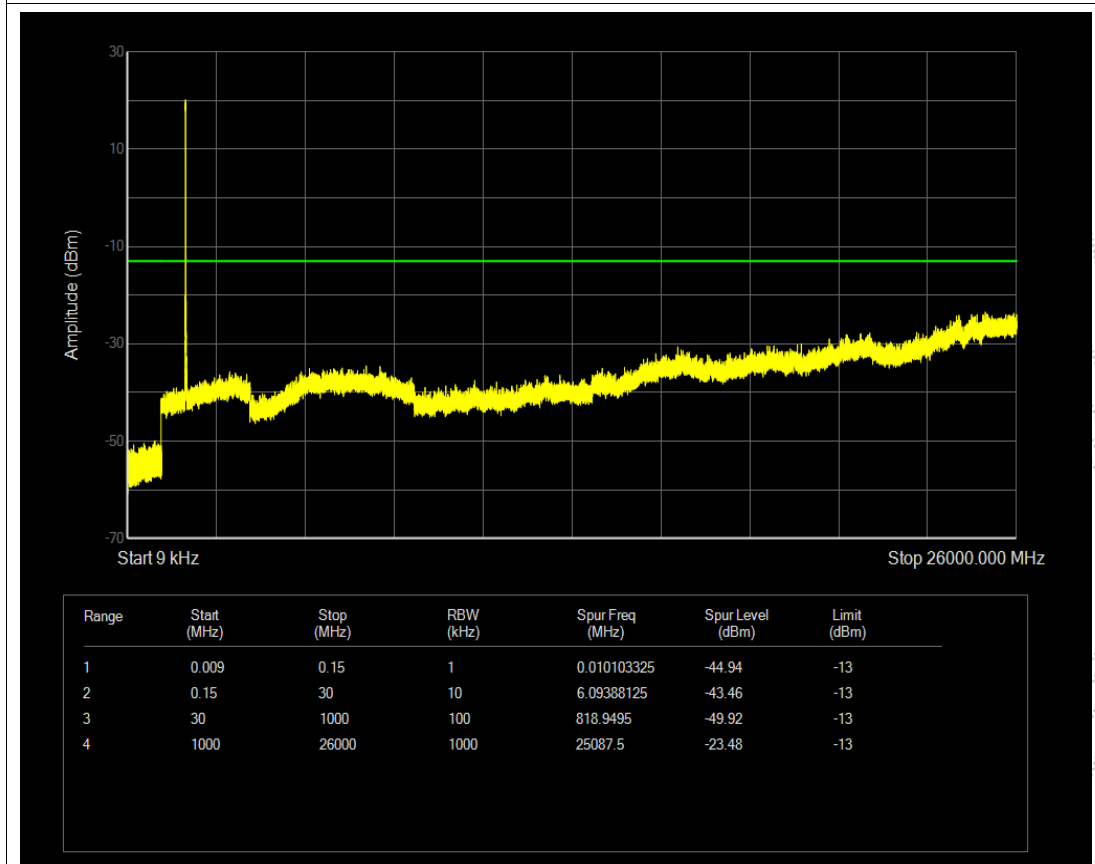
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



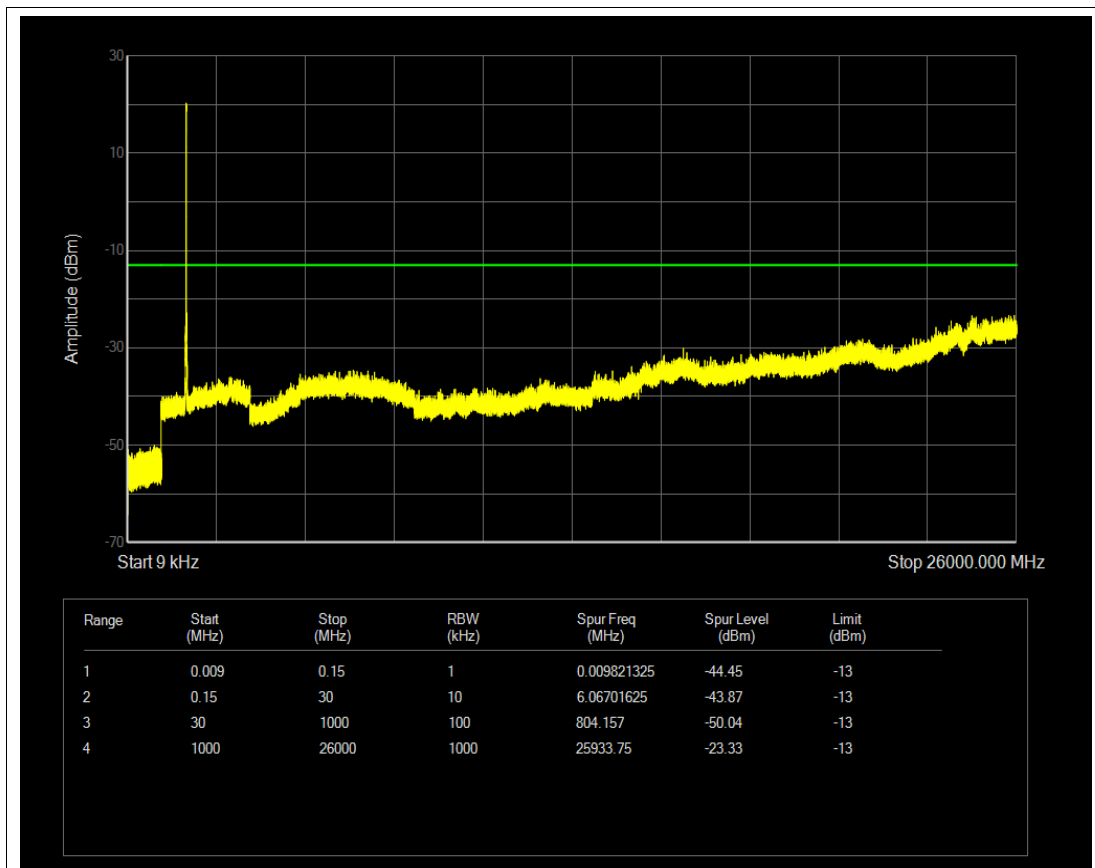
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



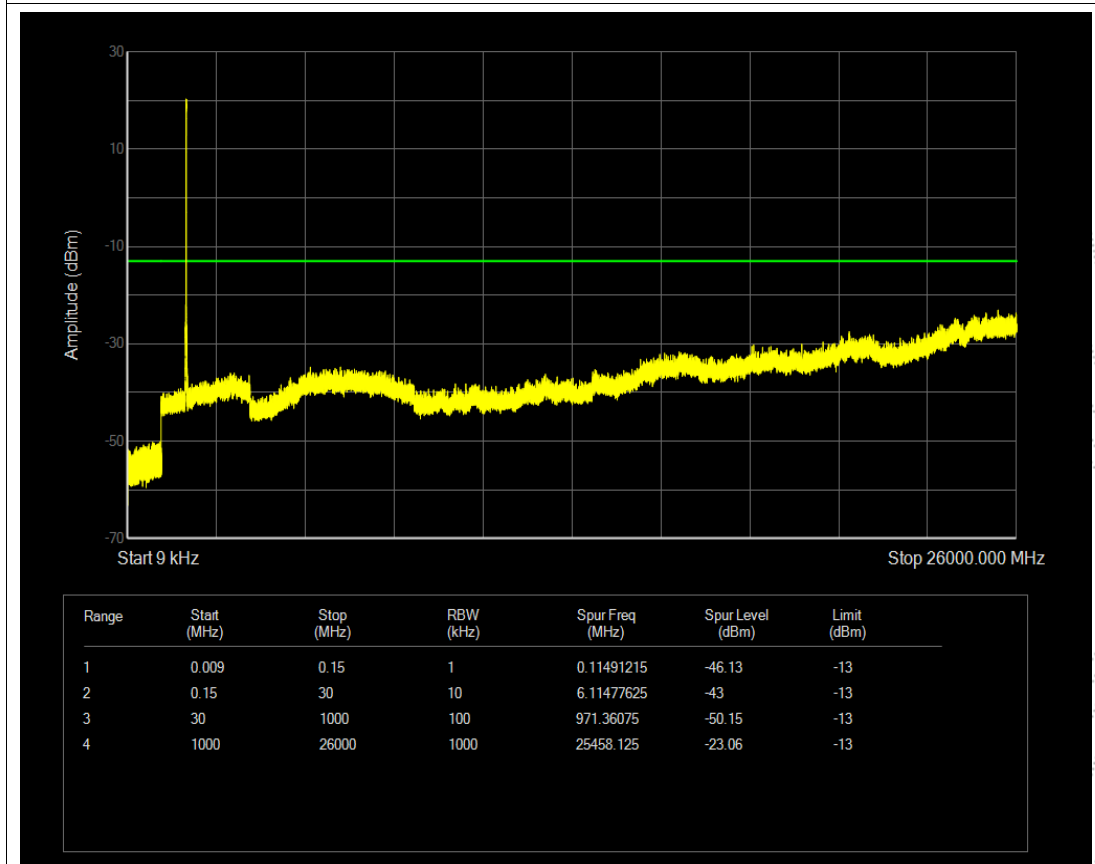
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



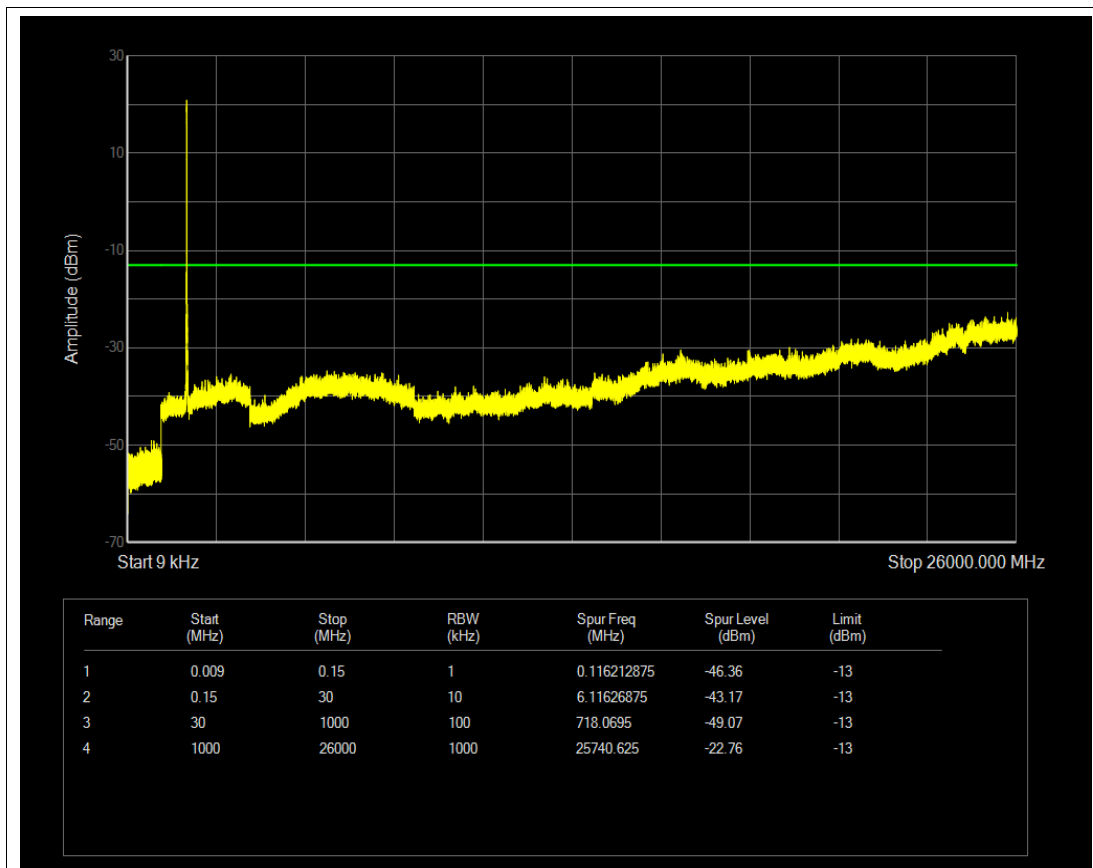
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



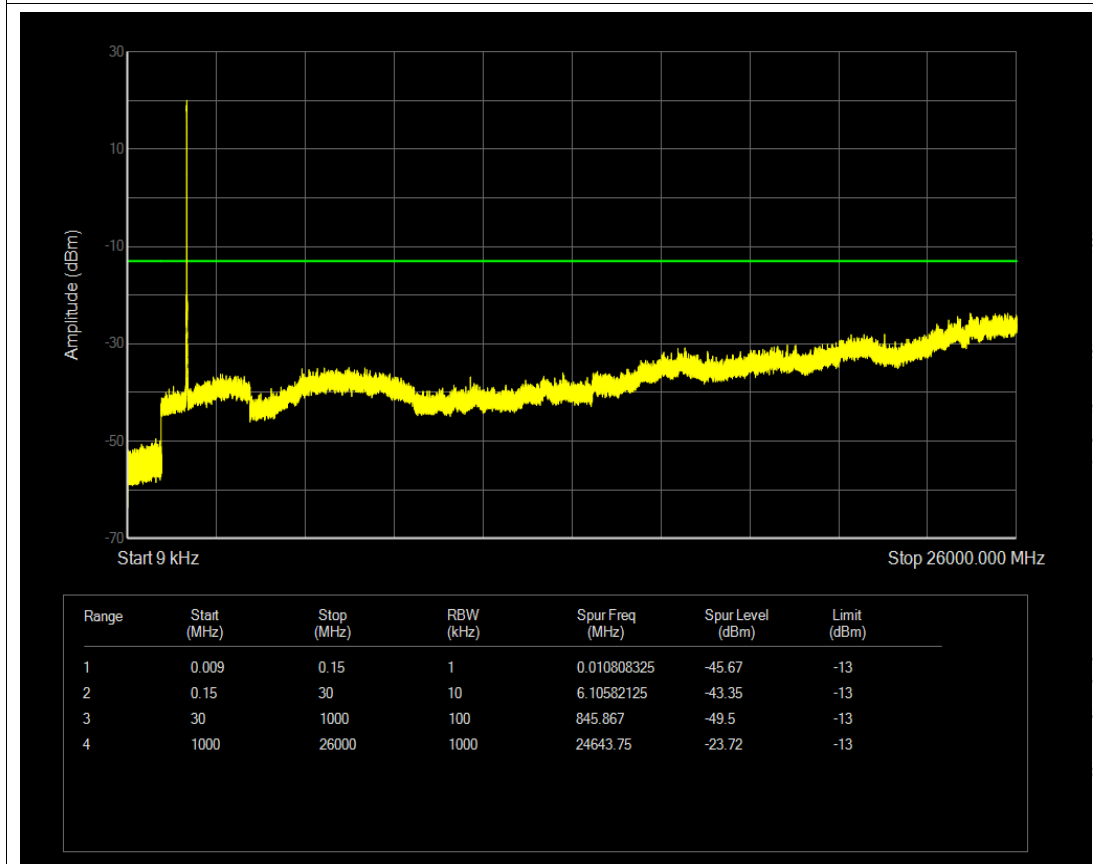
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



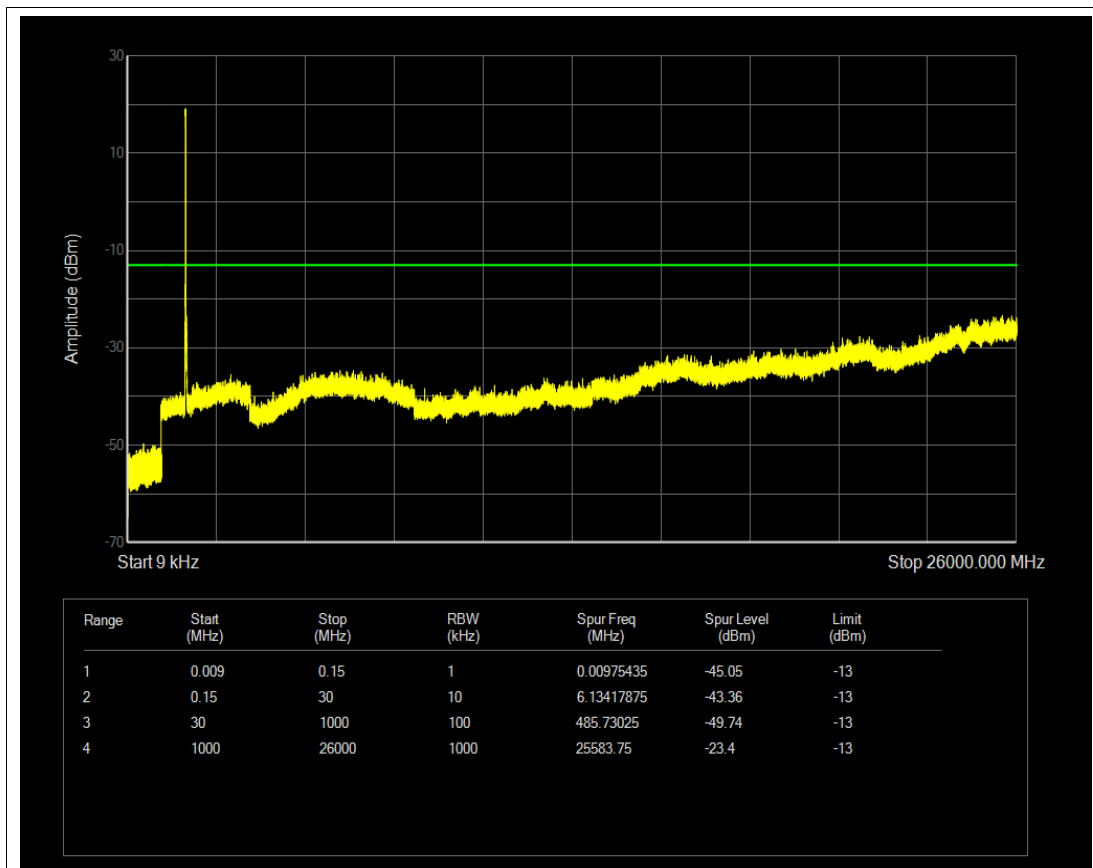
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



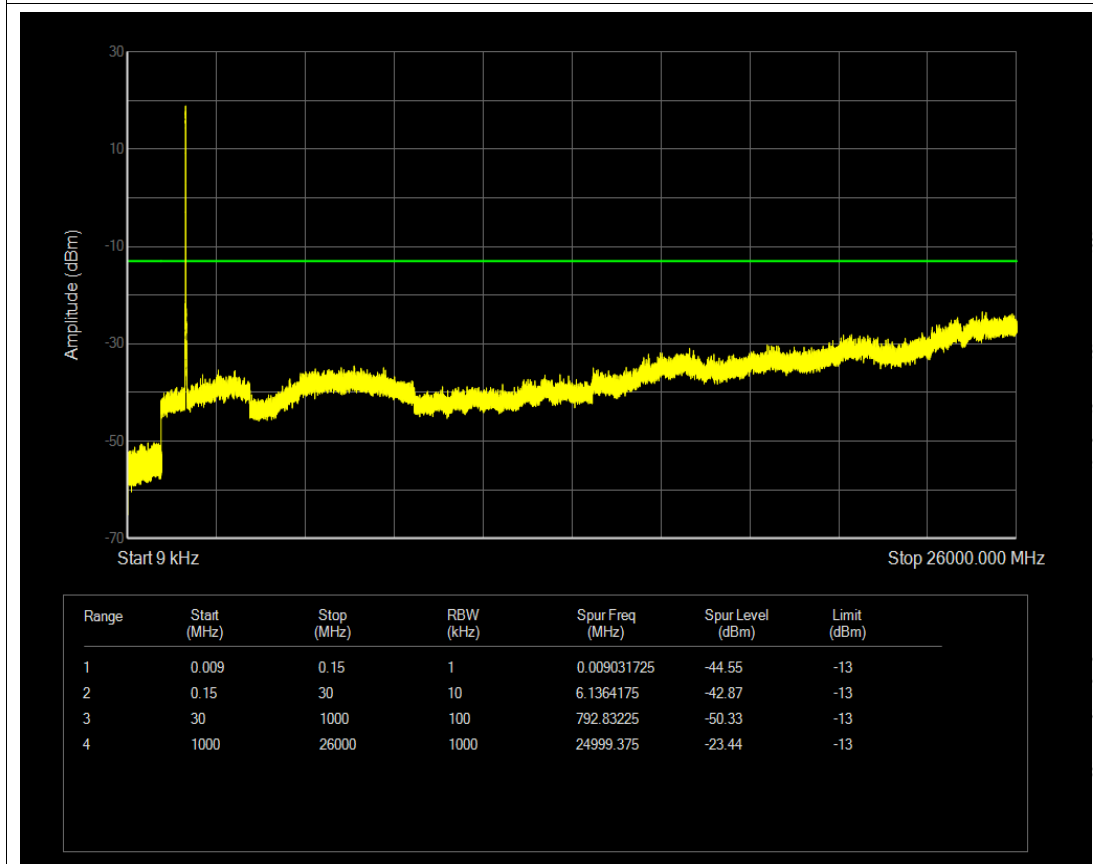
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



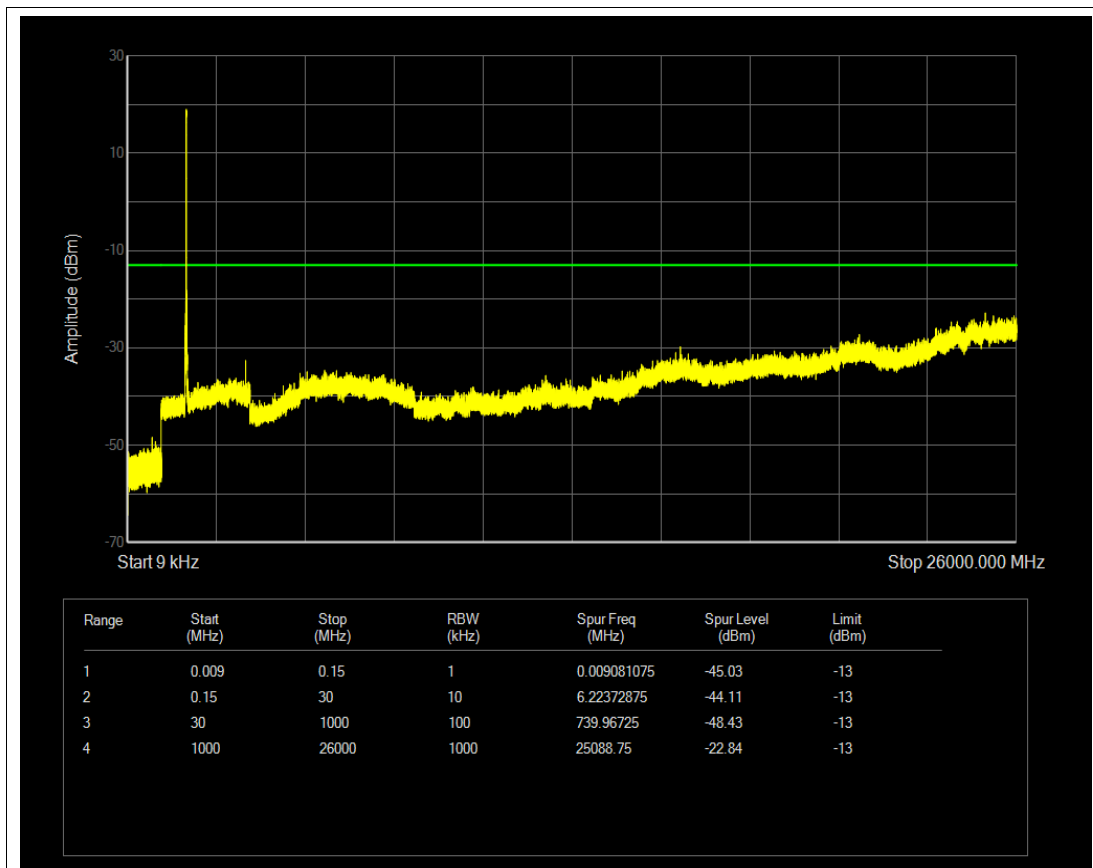
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



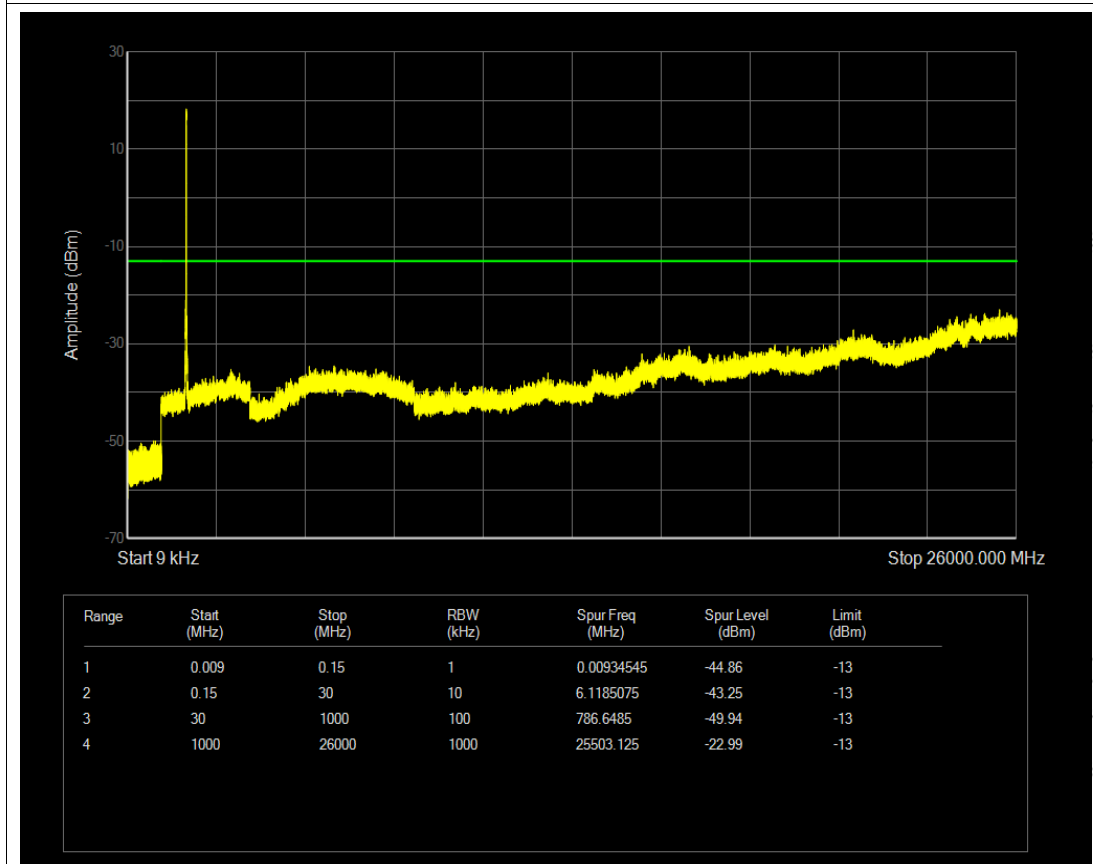
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



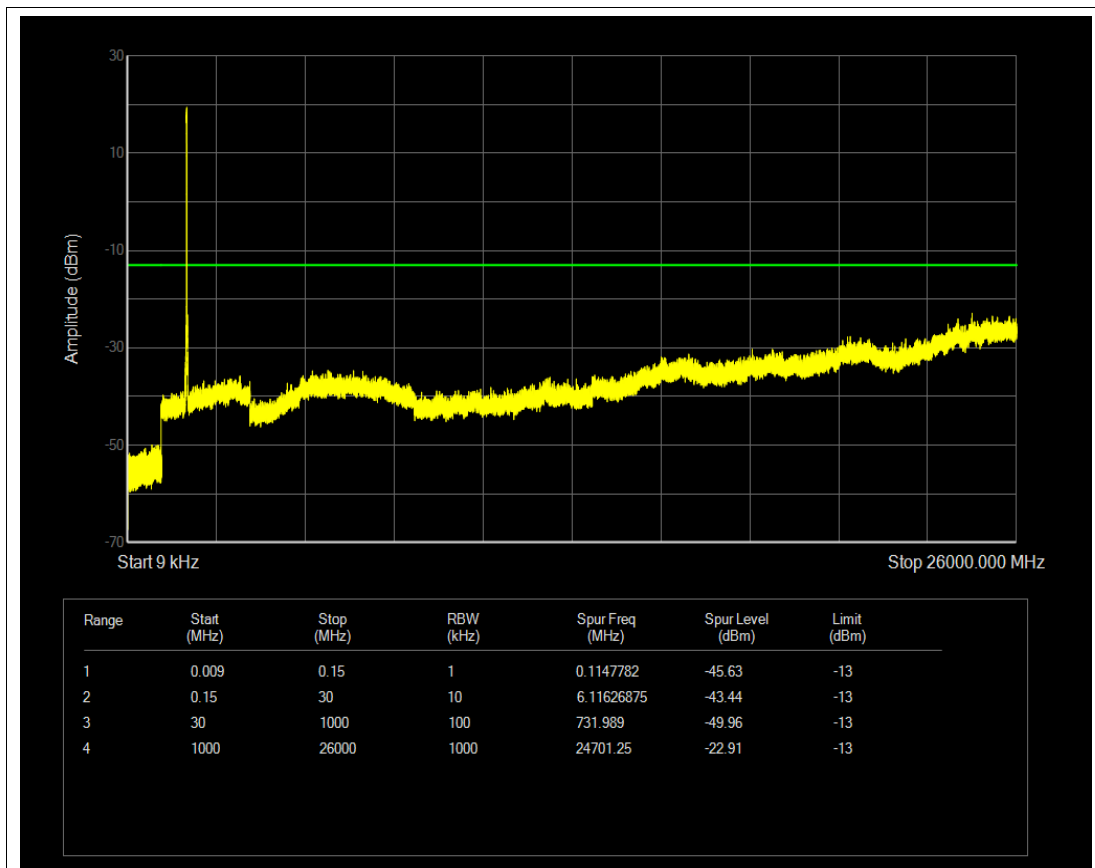
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



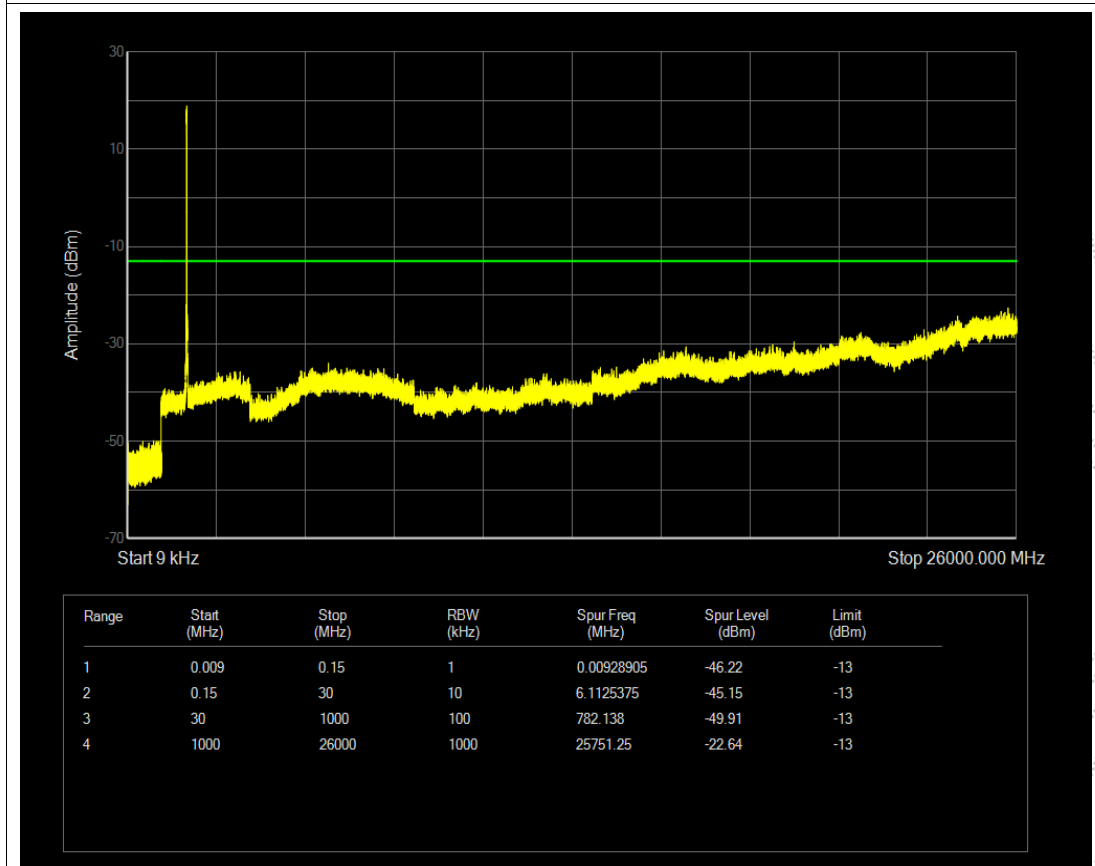
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



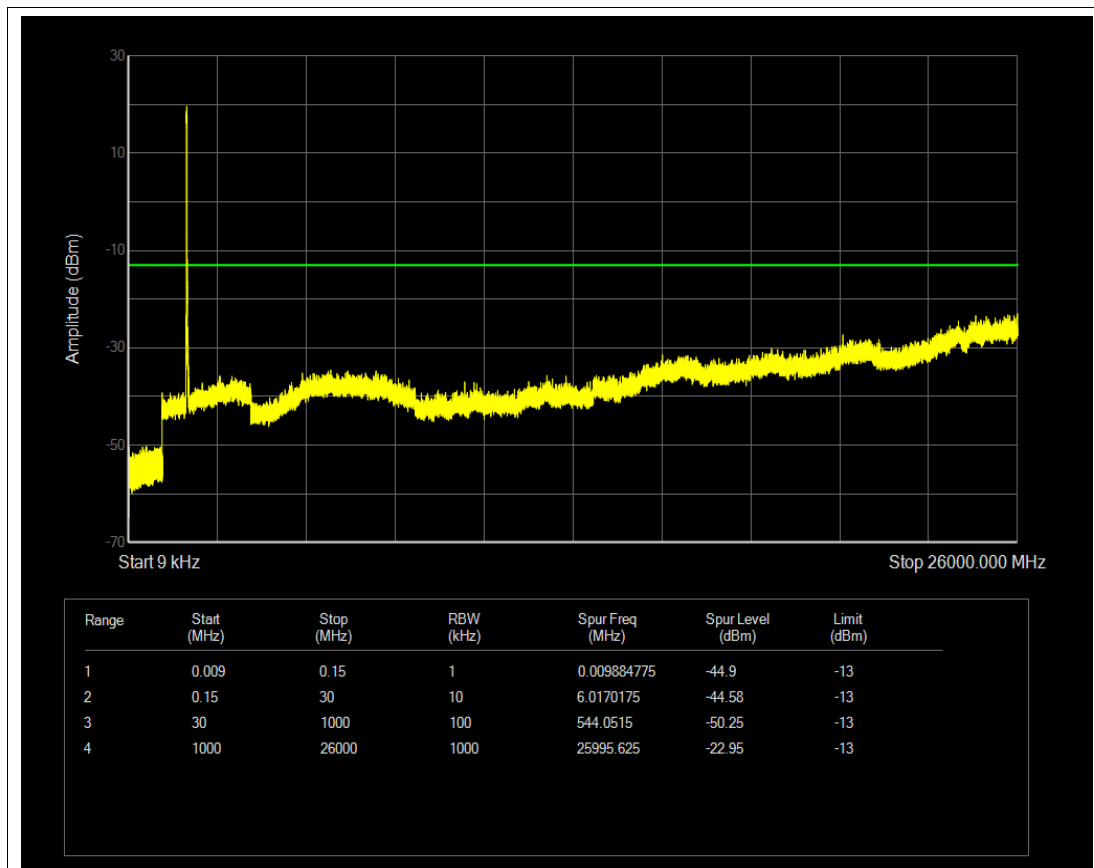
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



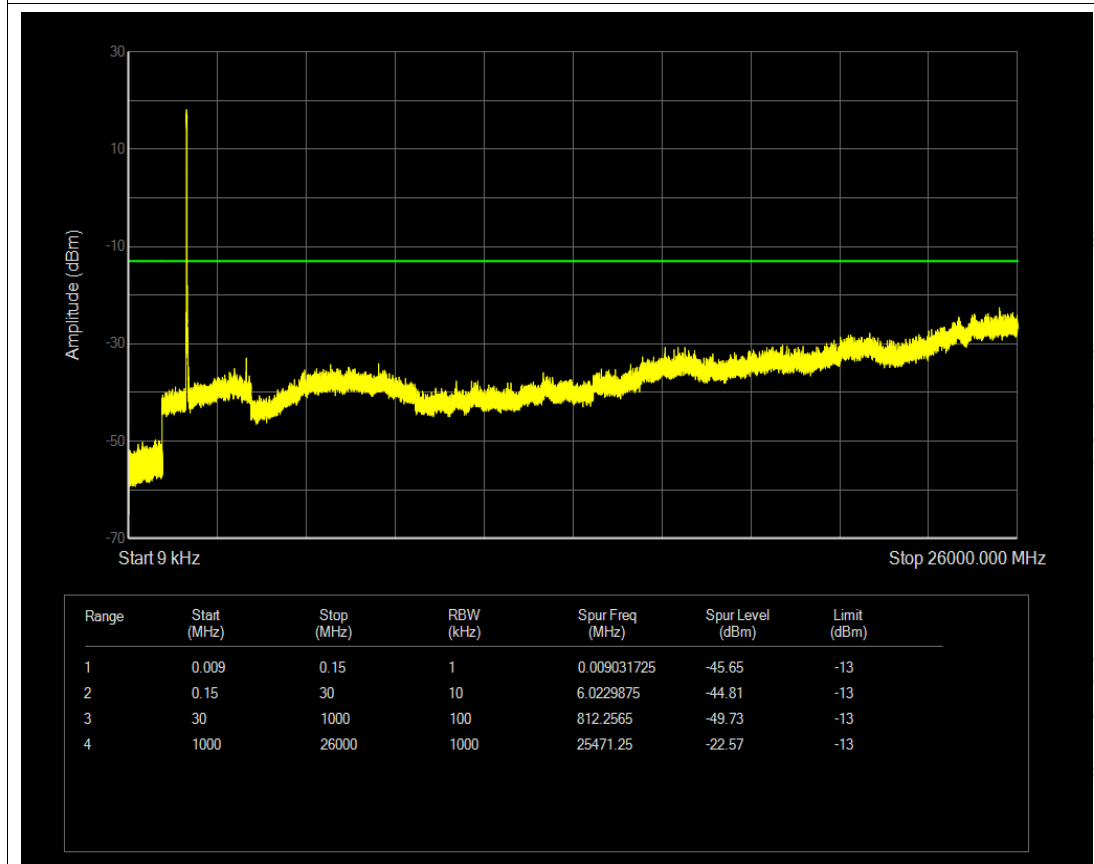
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



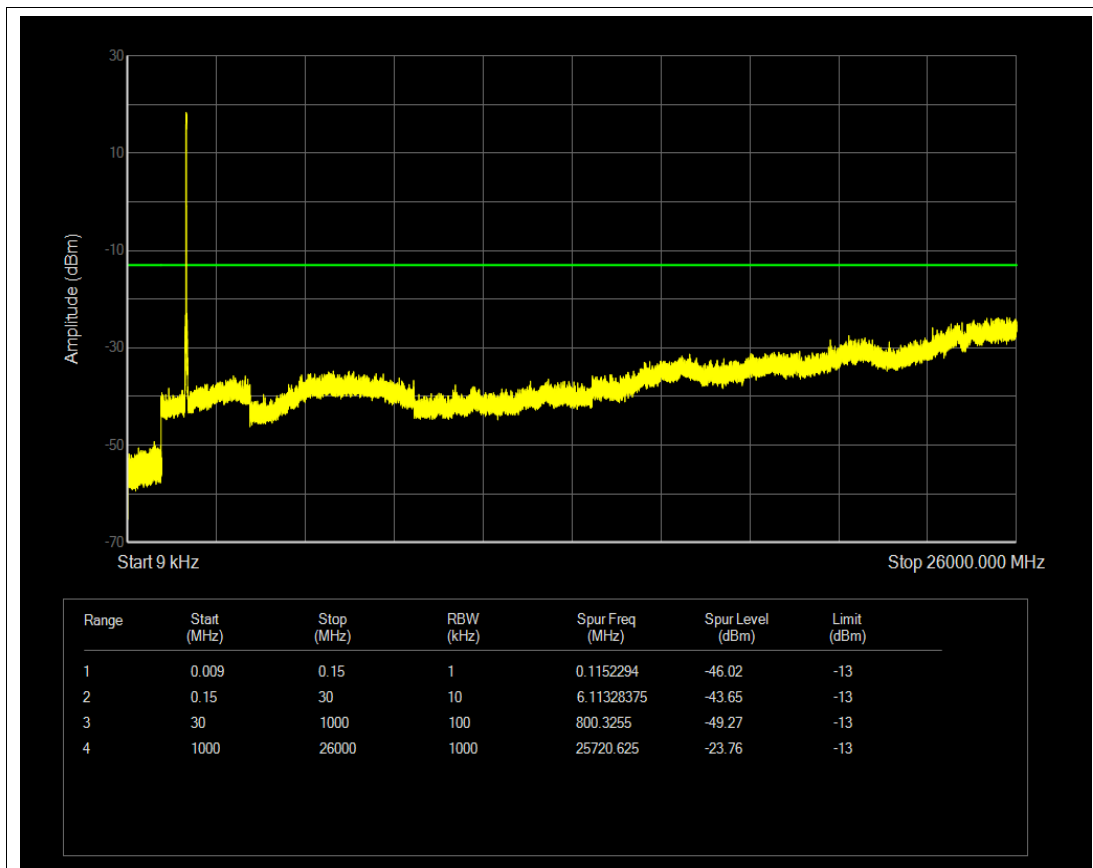
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



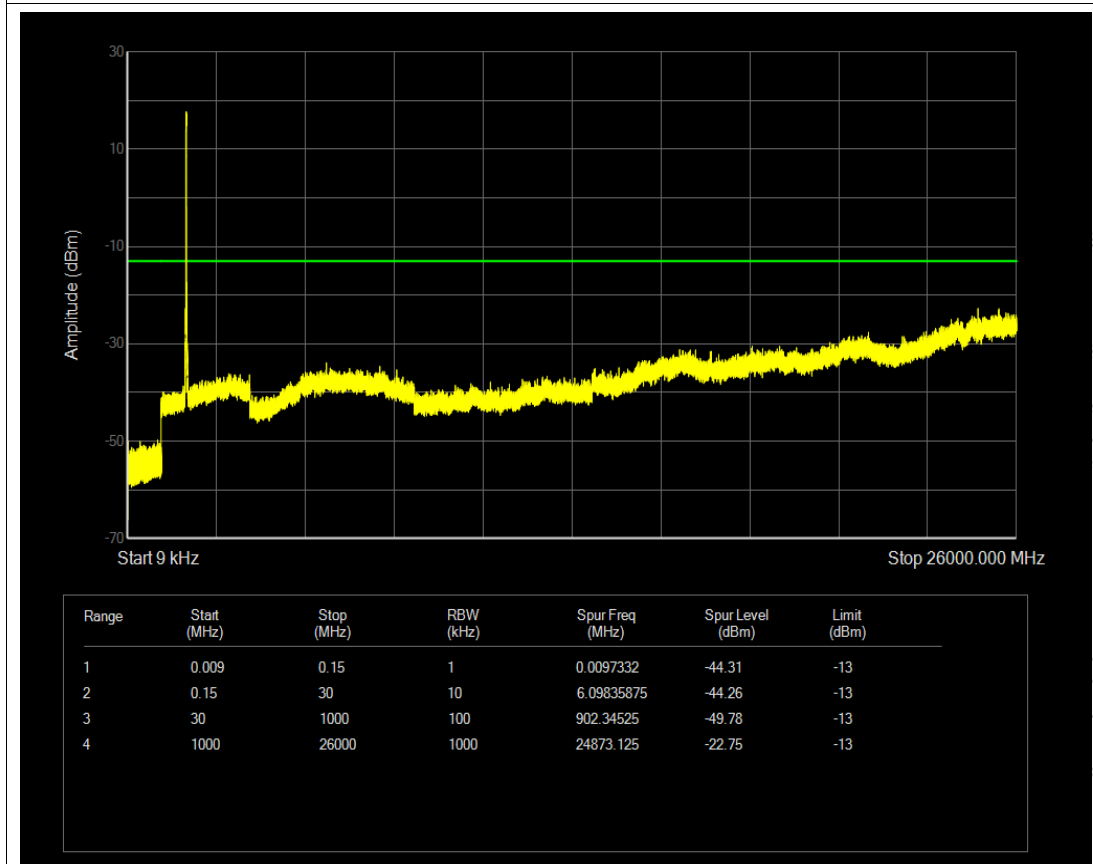
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



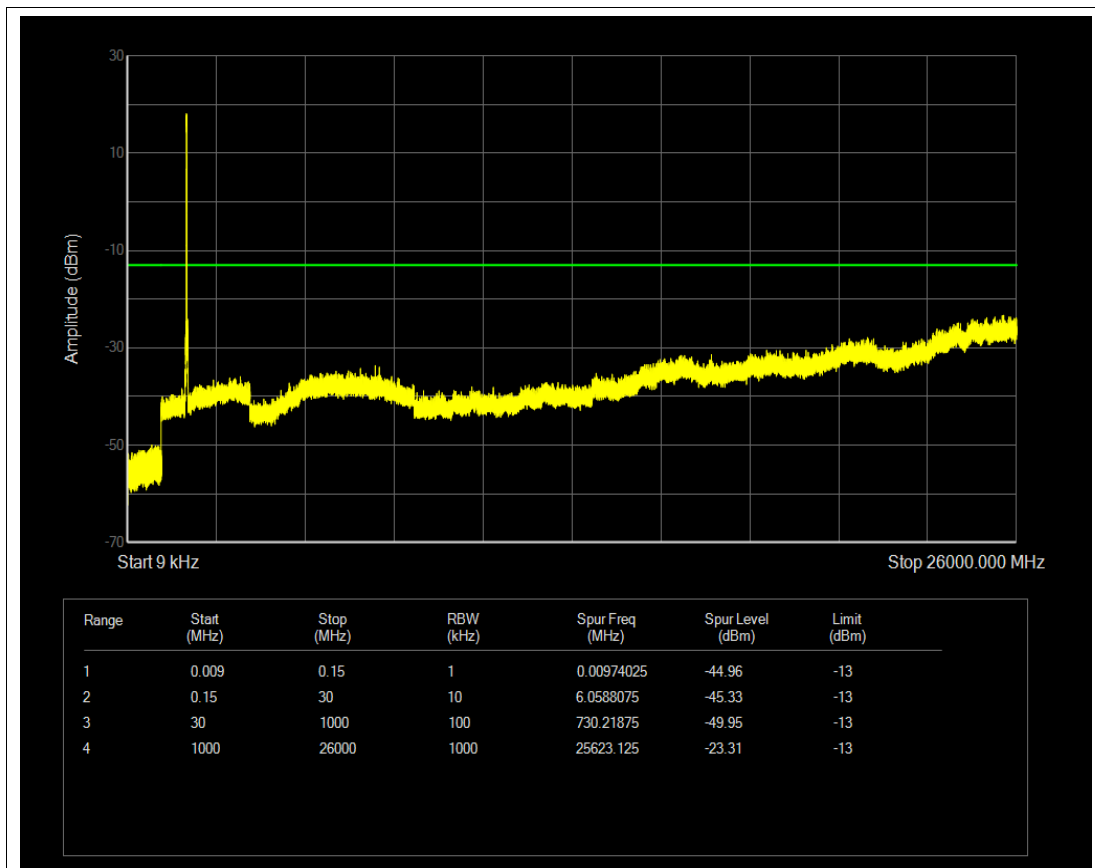
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



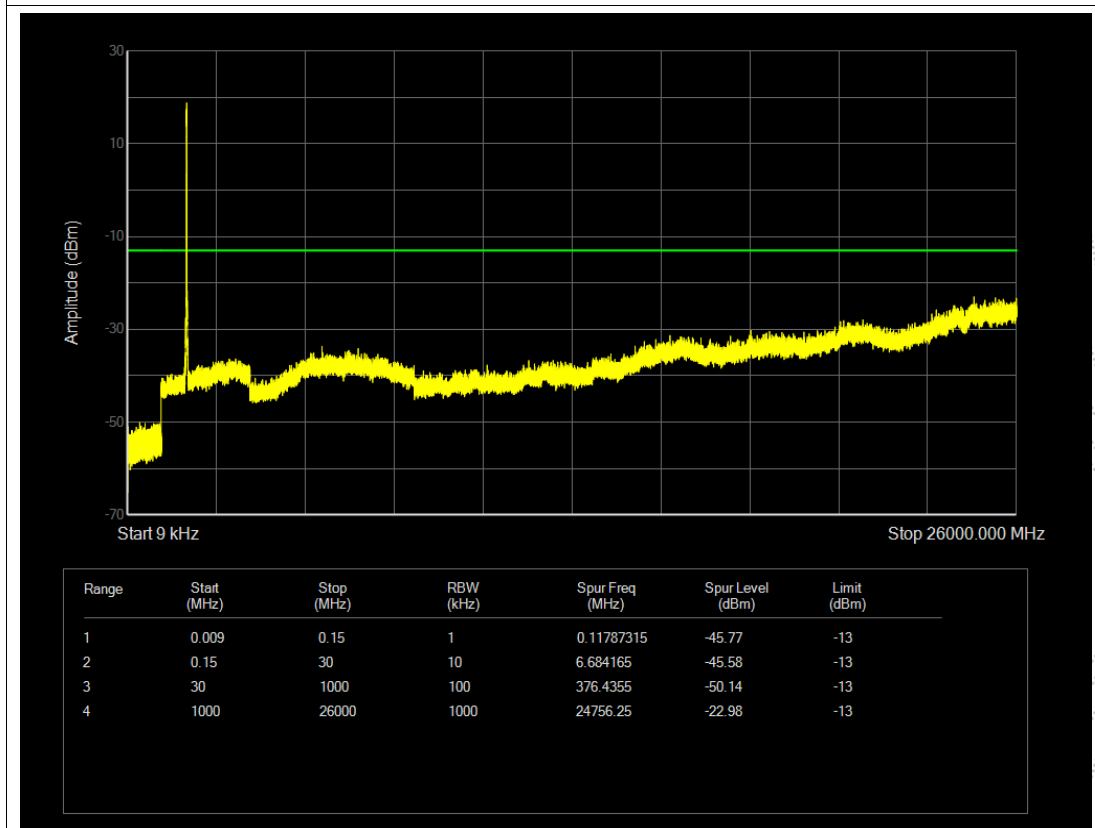
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



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



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



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