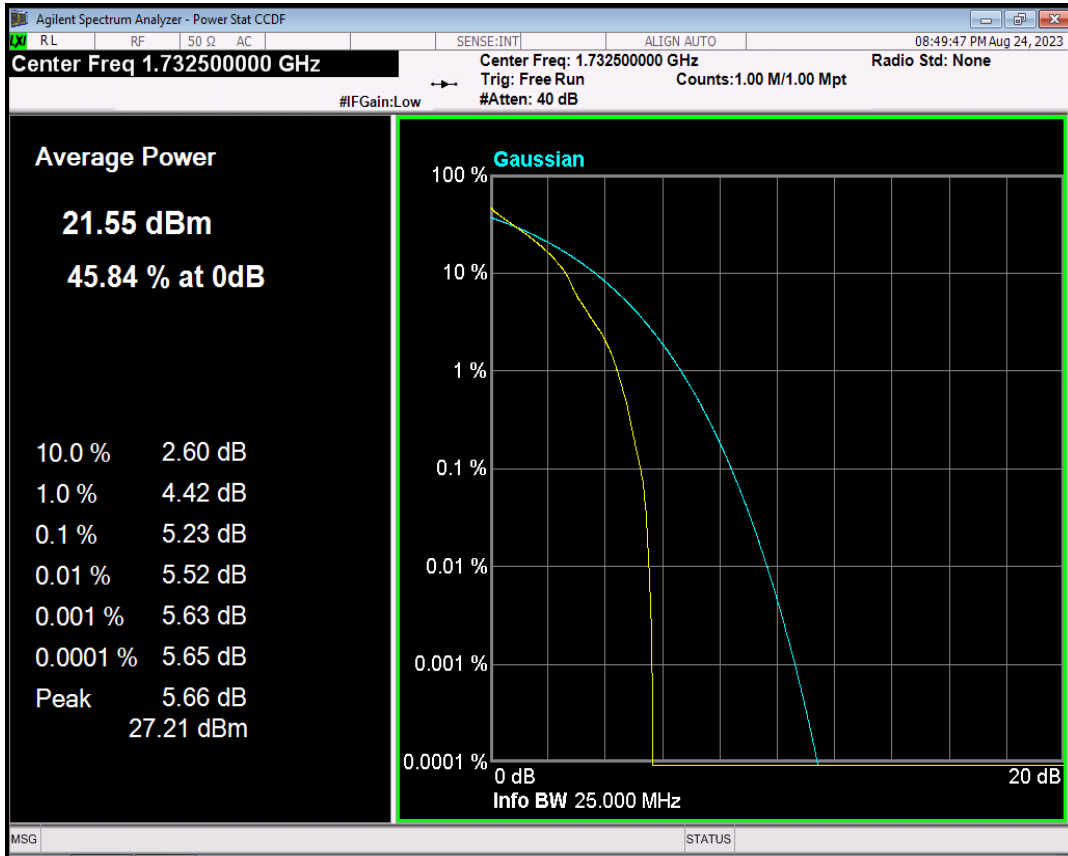
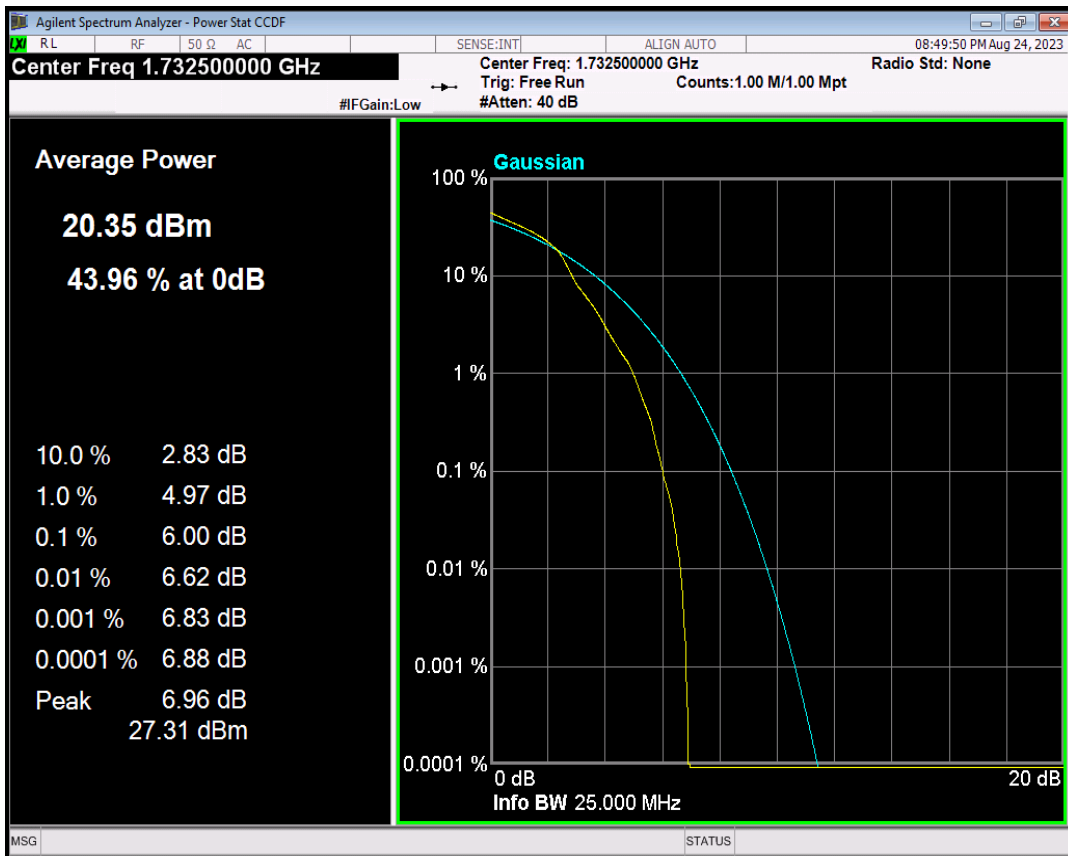
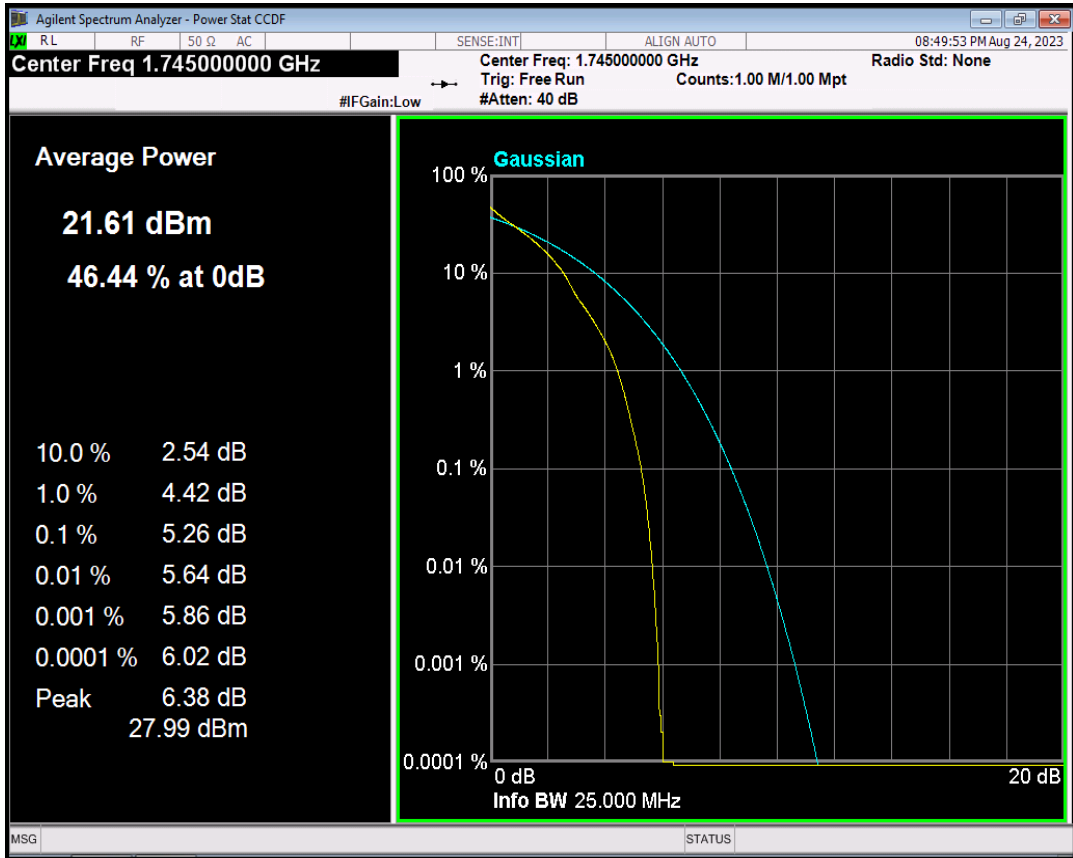




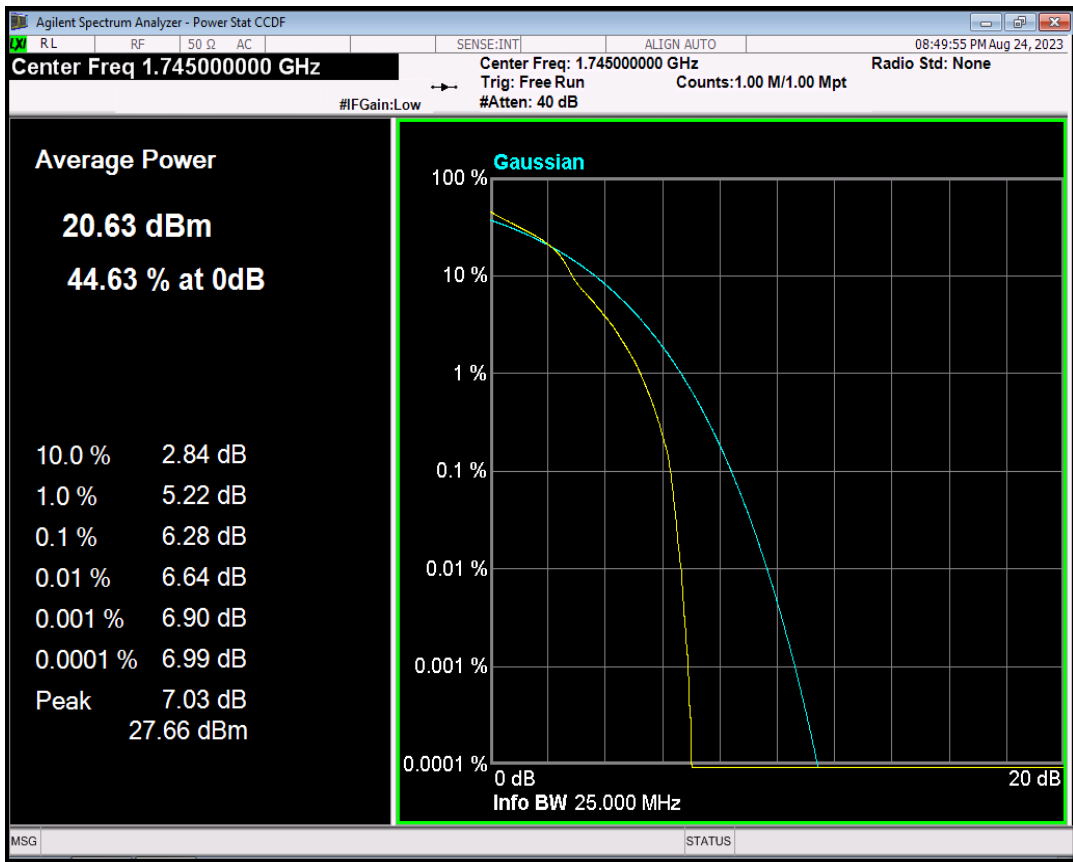
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



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



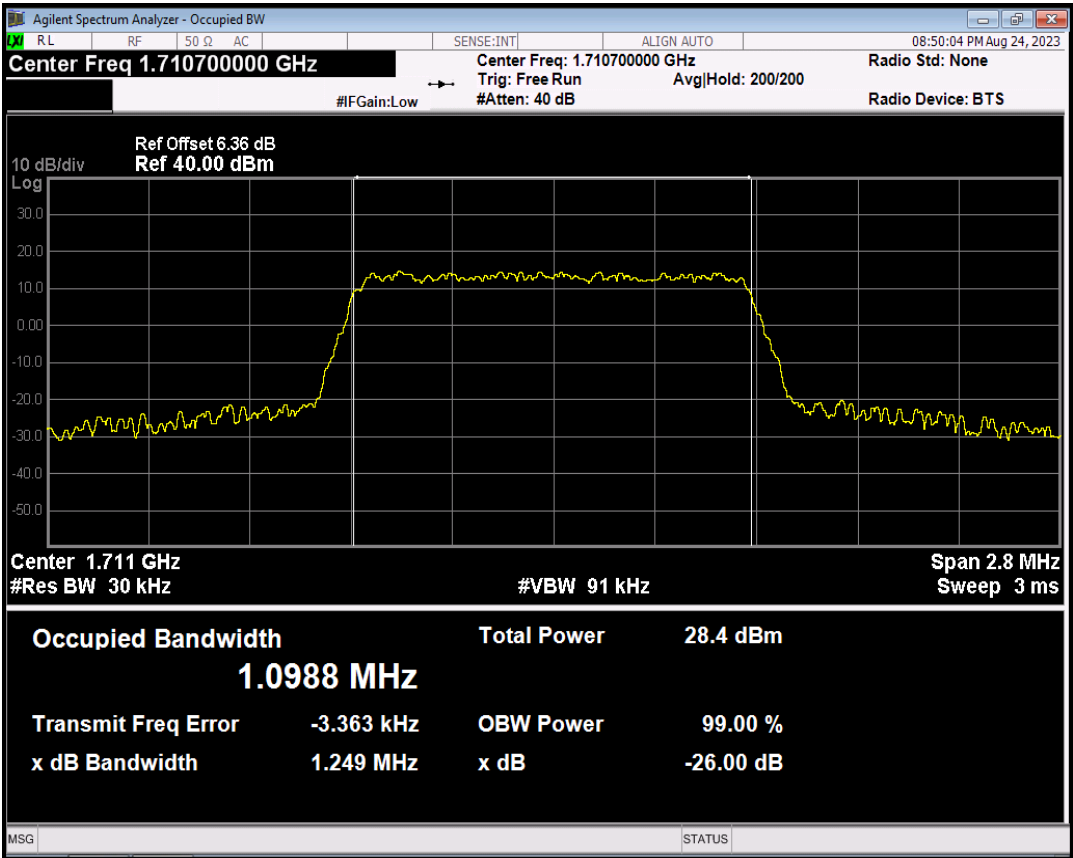
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



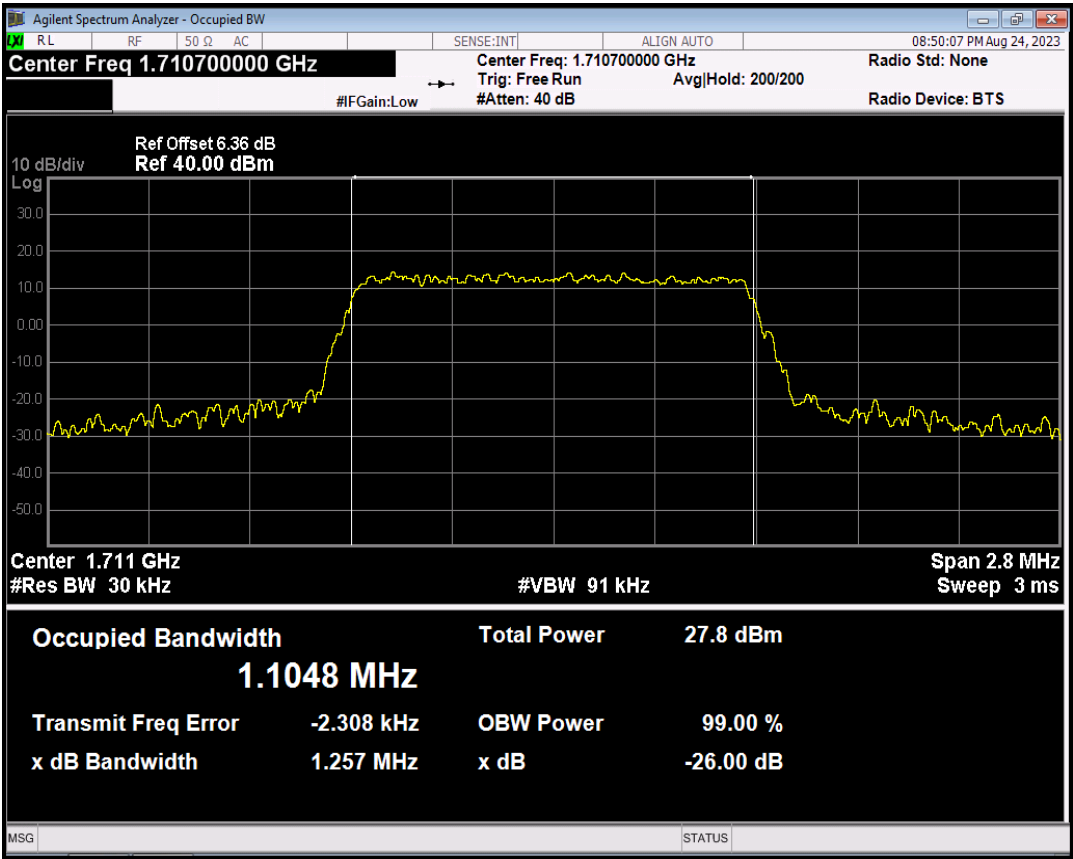
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.099	1.249	PASS
Band4	1.4	19957	6	#0	16QAM	1.105	1.257	PASS
Band4	1.4	20175	6	#0	QPSK	1.087	1.245	PASS
Band4	1.4	20175	6	#0	16QAM	1.093	1.250	PASS
Band4	1.4	20393	6	#0	QPSK	1.105	1.247	PASS
Band4	1.4	20393	6	#0	16QAM	1.102	1.255	PASS
Band4	3	19965	15	#0	QPSK	2.704	3.038	PASS
Band4	3	19965	15	#0	16QAM	2.723	3.031	PASS
Band4	3	20175	15	#0	QPSK	2.717	3.031	PASS
Band4	3	20175	15	#0	16QAM	2.706	3.041	PASS
Band4	3	20385	15	#0	QPSK	2.716	3.040	PASS
Band4	3	20385	15	#0	16QAM	2.711	3.046	PASS
Band4	5	19975	25	#0	QPSK	4.517	4.972	PASS
Band4	5	19975	25	#0	16QAM	4.510	4.984	PASS
Band4	5	20175	25	#0	QPSK	4.516	4.975	PASS
Band4	5	20175	25	#0	16QAM	4.528	4.964	PASS
Band4	5	20375	25	#0	QPSK	4.511	4.939	PASS
Band4	5	20375	25	#0	16QAM	4.510	4.986	PASS
Band4	10	20000	50	#0	QPSK	9.009	9.783	PASS
Band4	10	20000	50	#0	16QAM	8.991	9.895	PASS
Band4	10	20175	50	#0	QPSK	9.001	9.929	PASS
Band4	10	20175	50	#0	16QAM	9.029	9.855	PASS
Band4	10	20350	50	#0	QPSK	8.987	9.846	PASS
Band4	10	20350	50	#0	16QAM	9.016	9.916	PASS
Band4	15	20025	75	#0	QPSK	13.467	14.783	PASS
Band4	15	20025	75	#0	16QAM	13.434	14.966	PASS
Band4	15	20175	75	#0	QPSK	13.518	14.851	PASS
Band4	15	20175	75	#0	16QAM	13.508	14.859	PASS
Band4	15	20325	75	#0	QPSK	13.453	14.769	PASS
Band4	15	20325	75	#0	16QAM	13.422	14.714	PASS
Band4	20	20050	100	#0	QPSK	17.944	19.518	PASS
Band4	20	20050	100	#0	16QAM	17.923	19.472	PASS
Band4	20	20175	100	#0	QPSK	18.094	19.672	PASS
Band4	20	20175	100	#0	16QAM	18.060	19.954	PASS
Band4	20	20300	100	#0	QPSK	17.985	19.751	PASS
Band4	20	20300	100	#0	16QAM	17.951	19.537	PASS

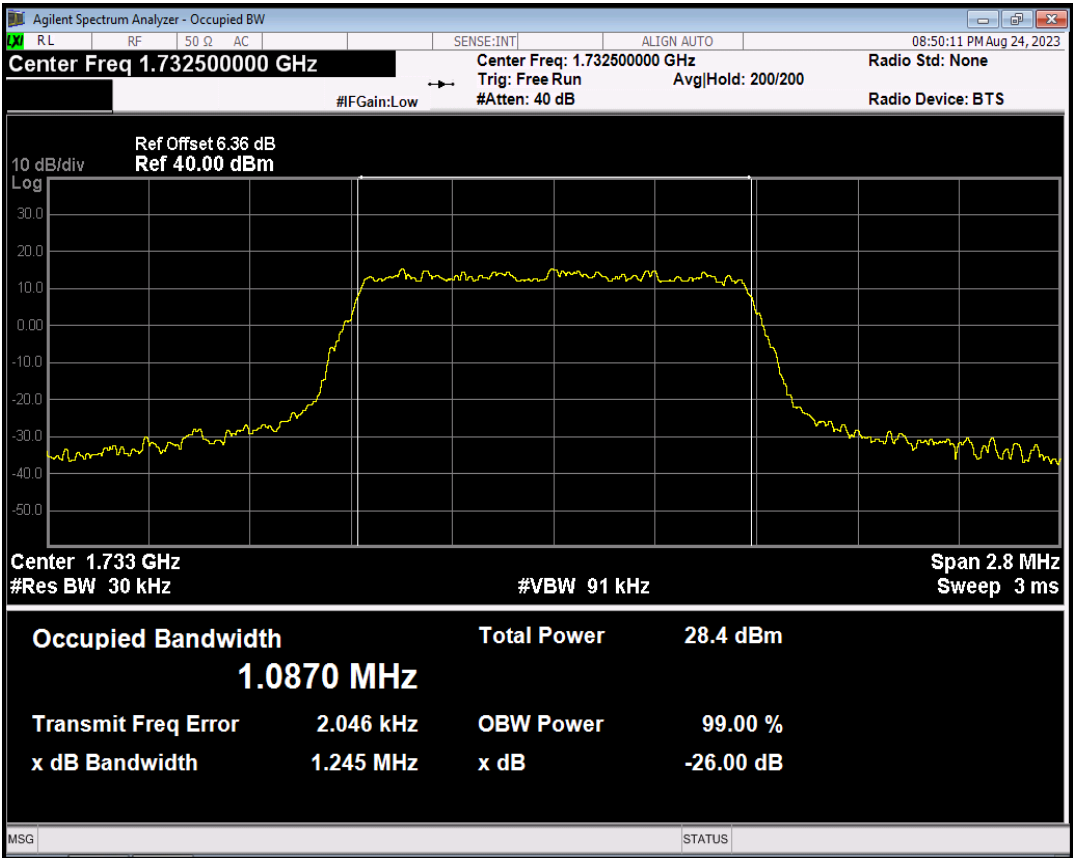
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



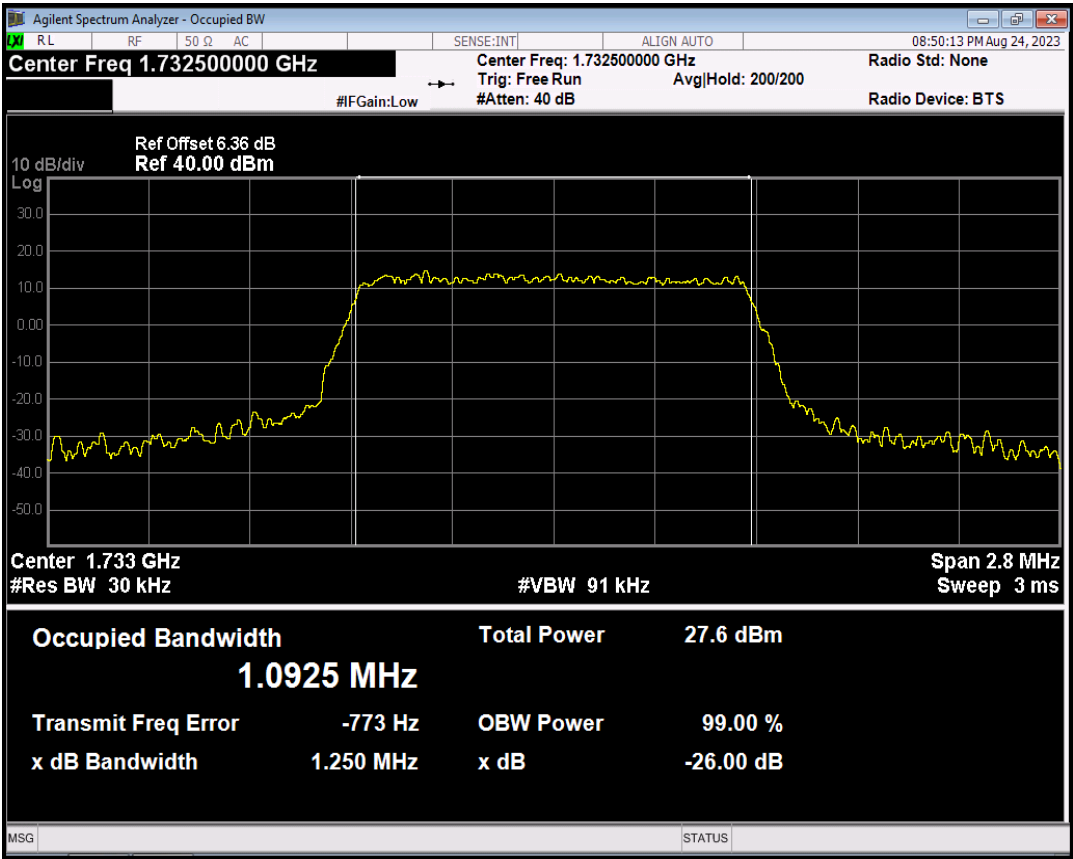
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



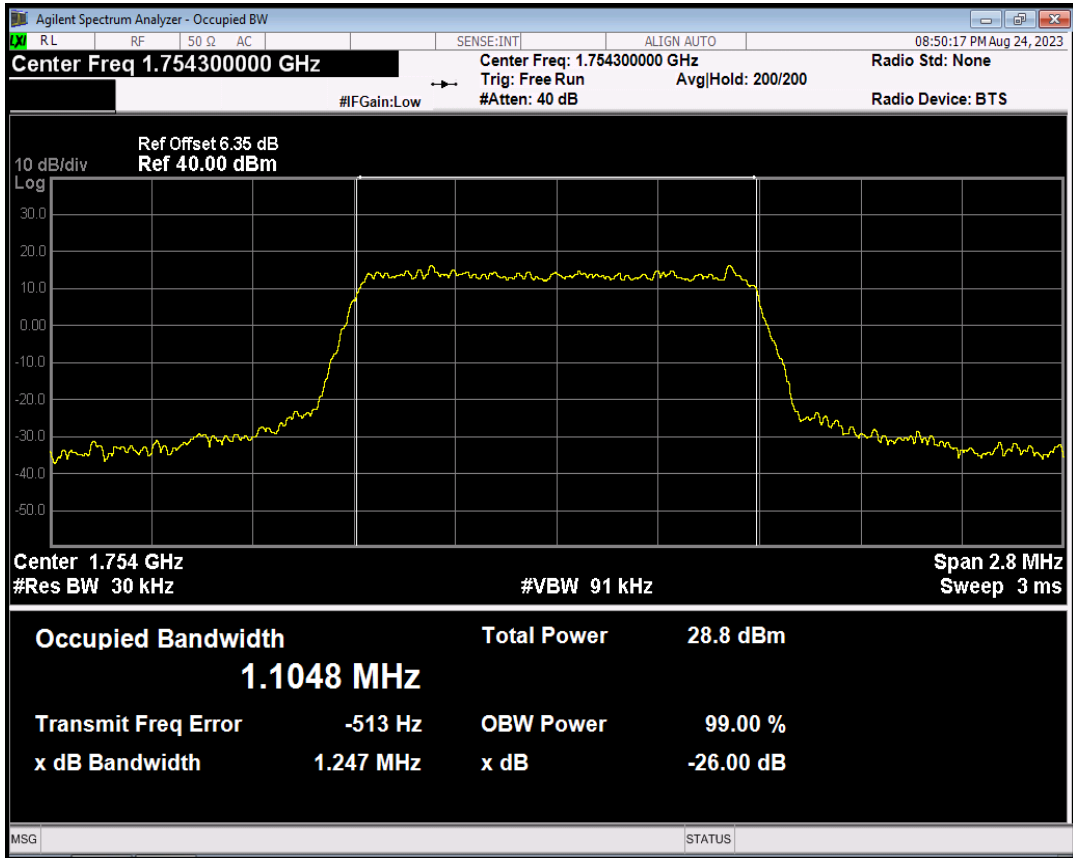
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



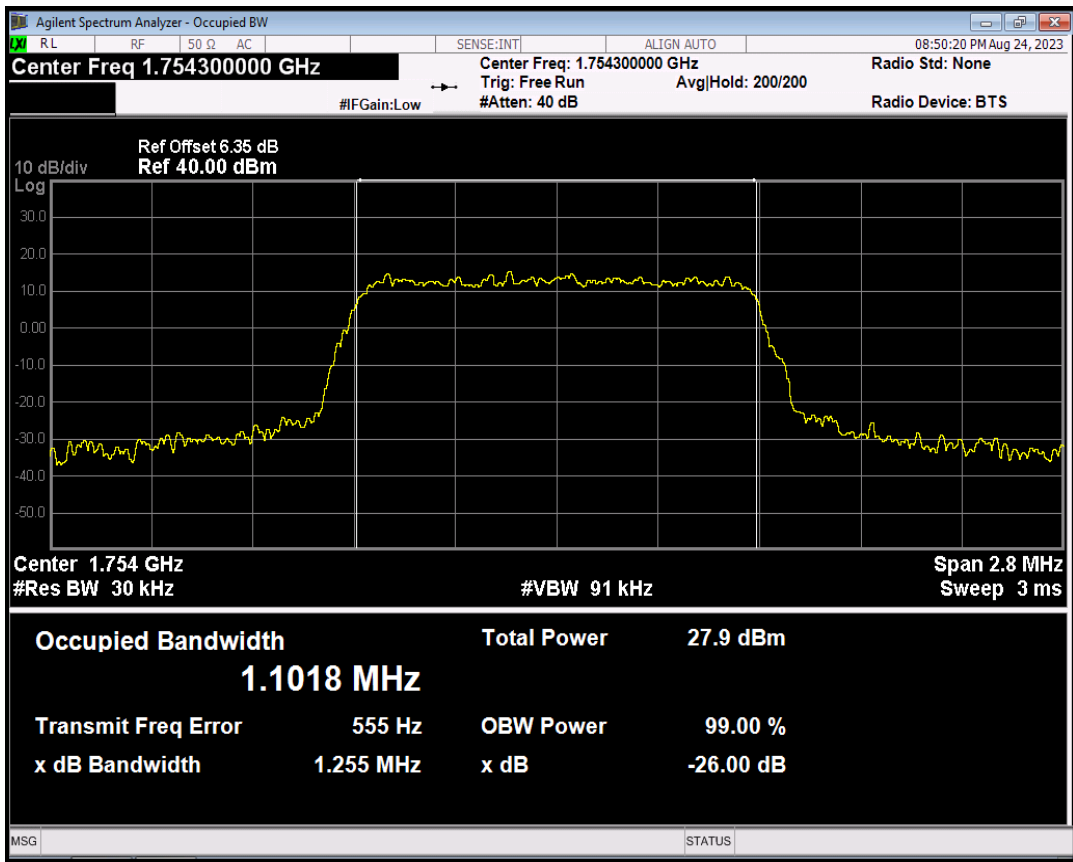
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



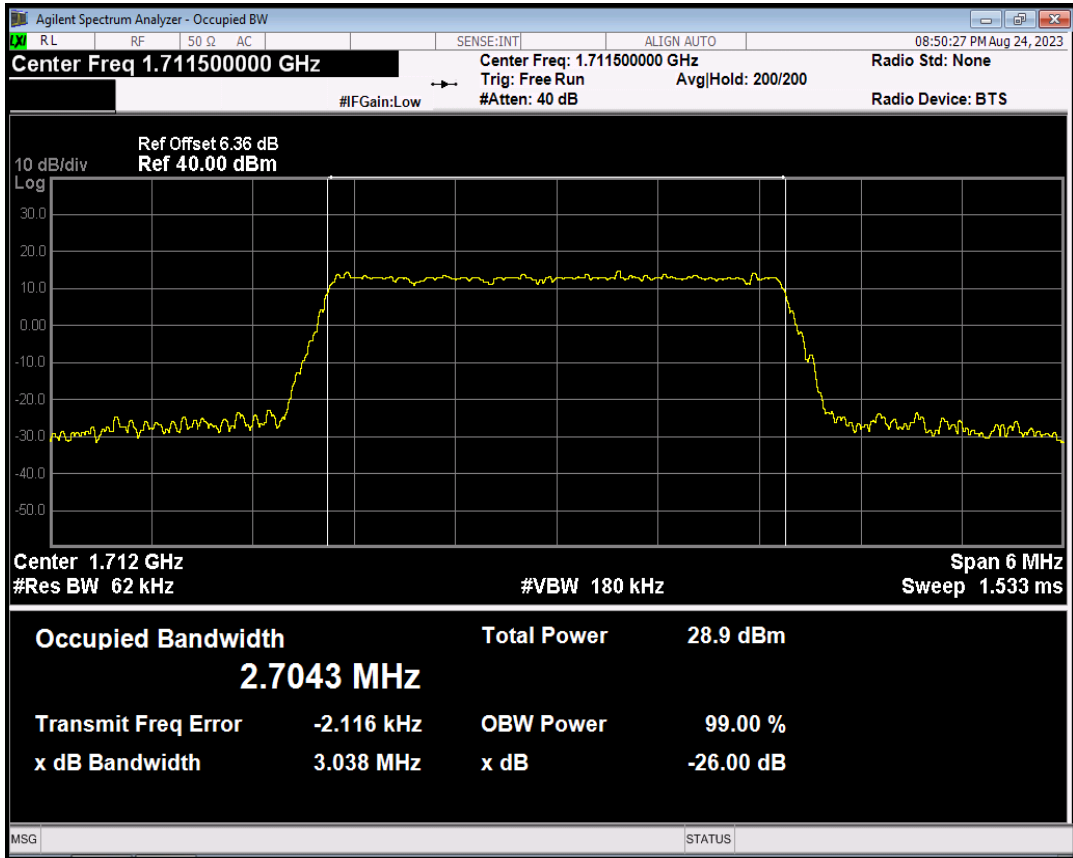
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



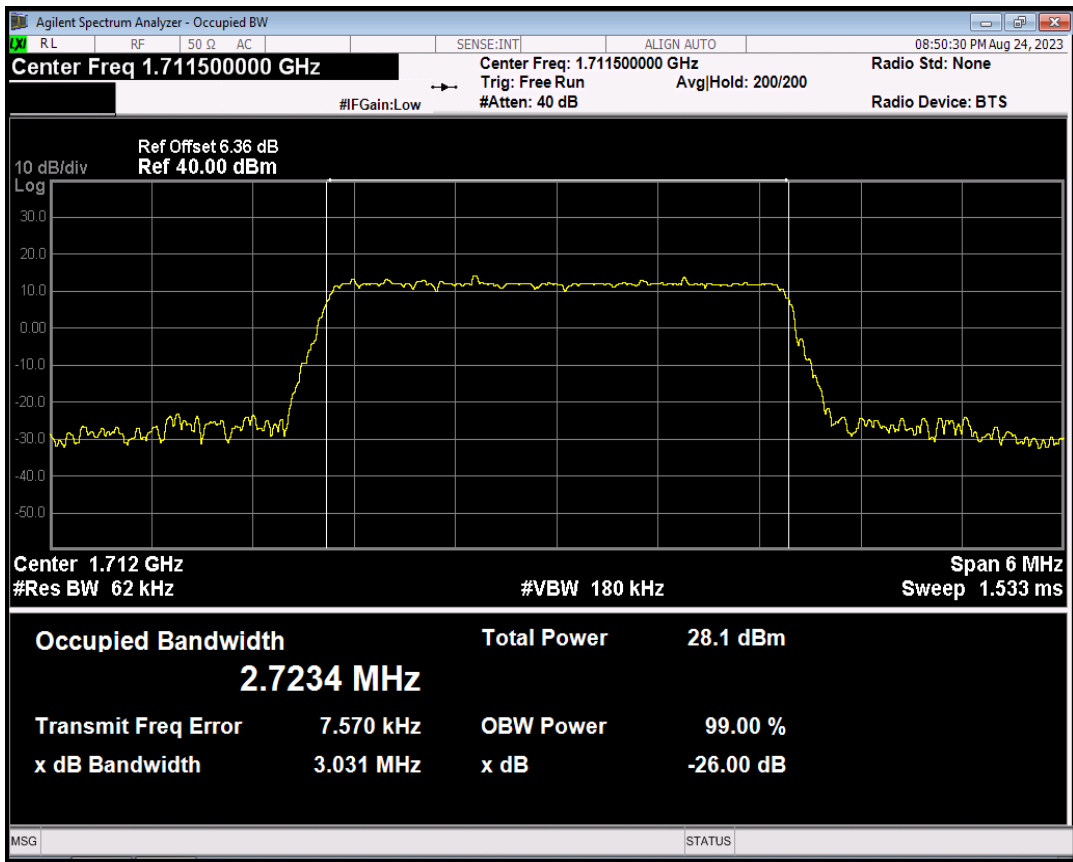
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



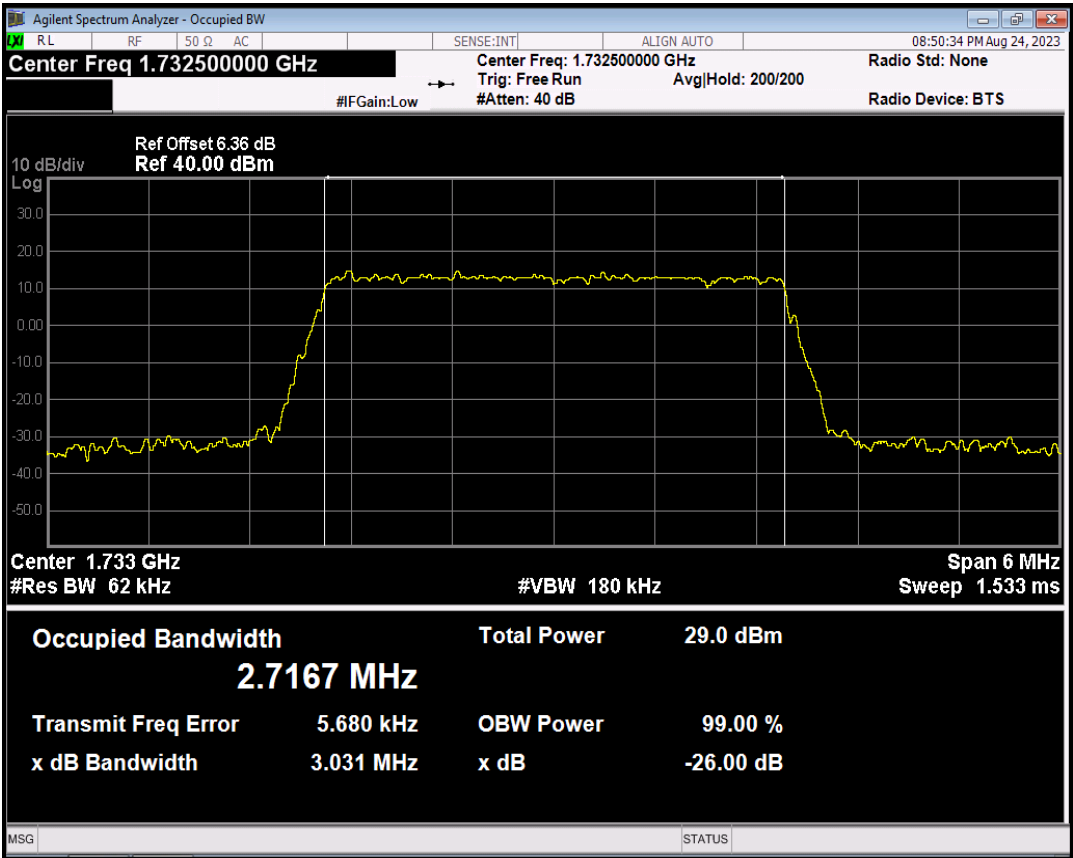
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



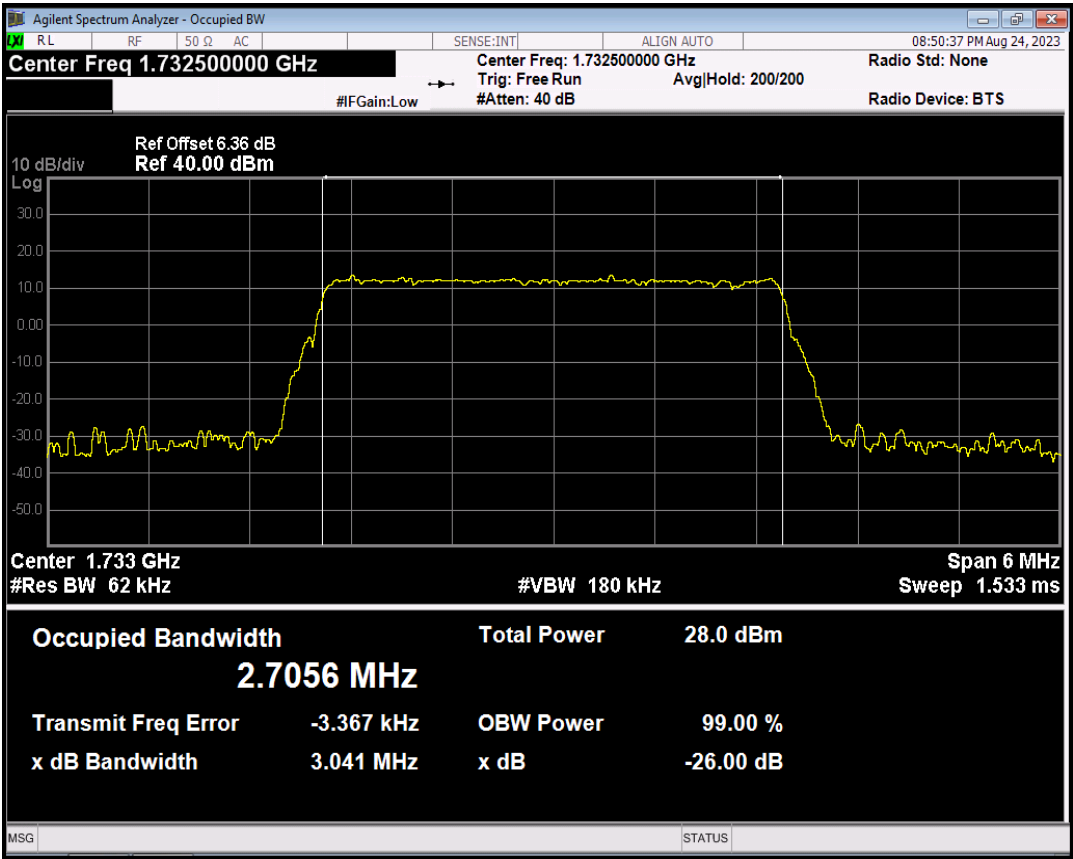
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



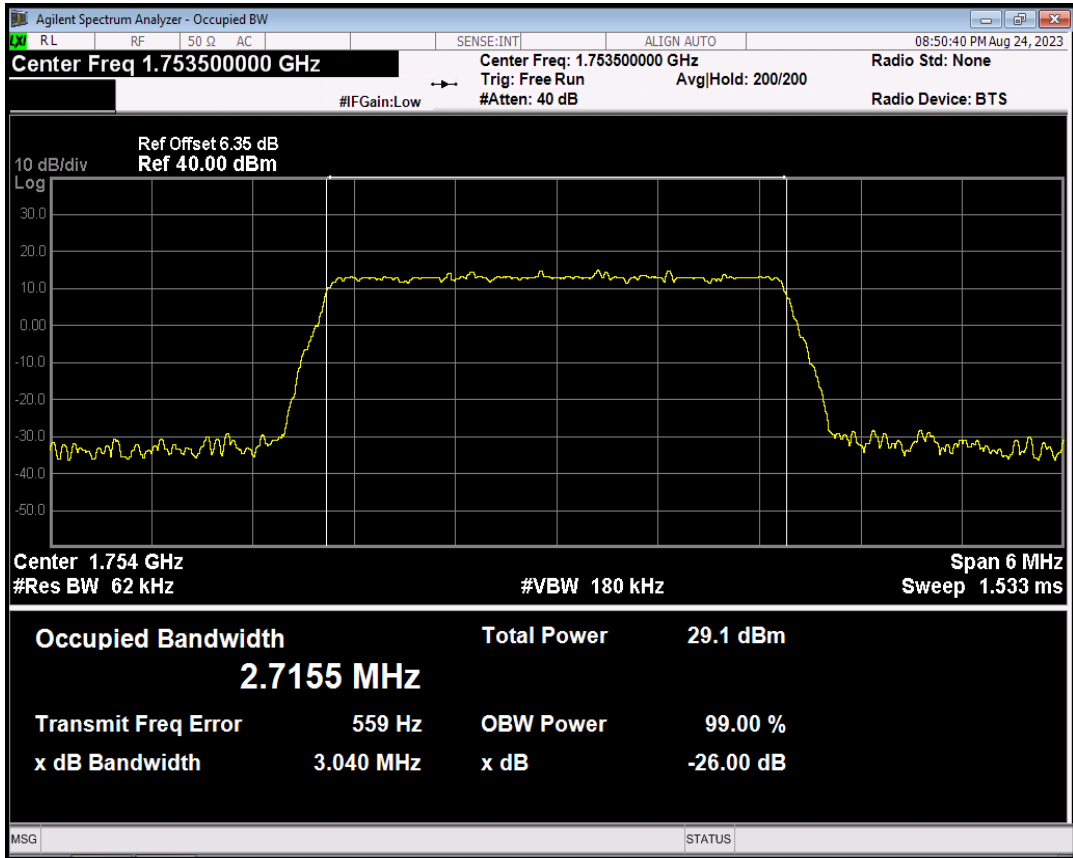
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



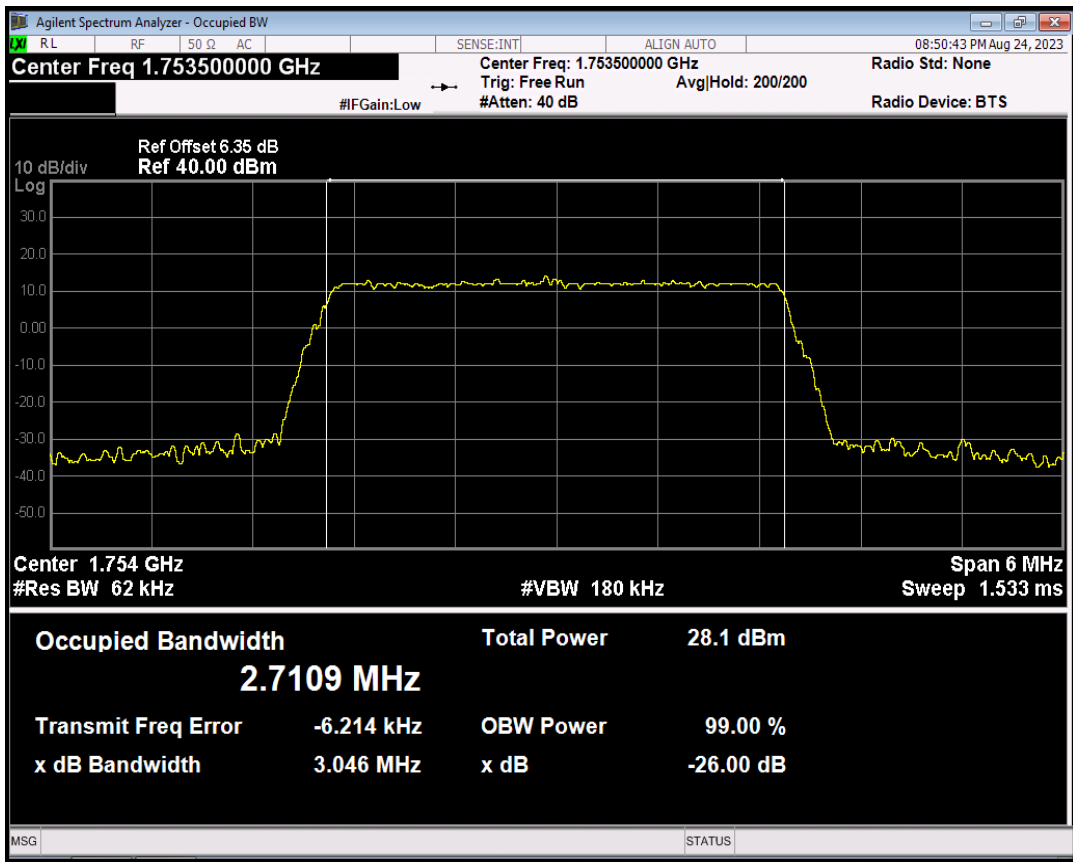
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



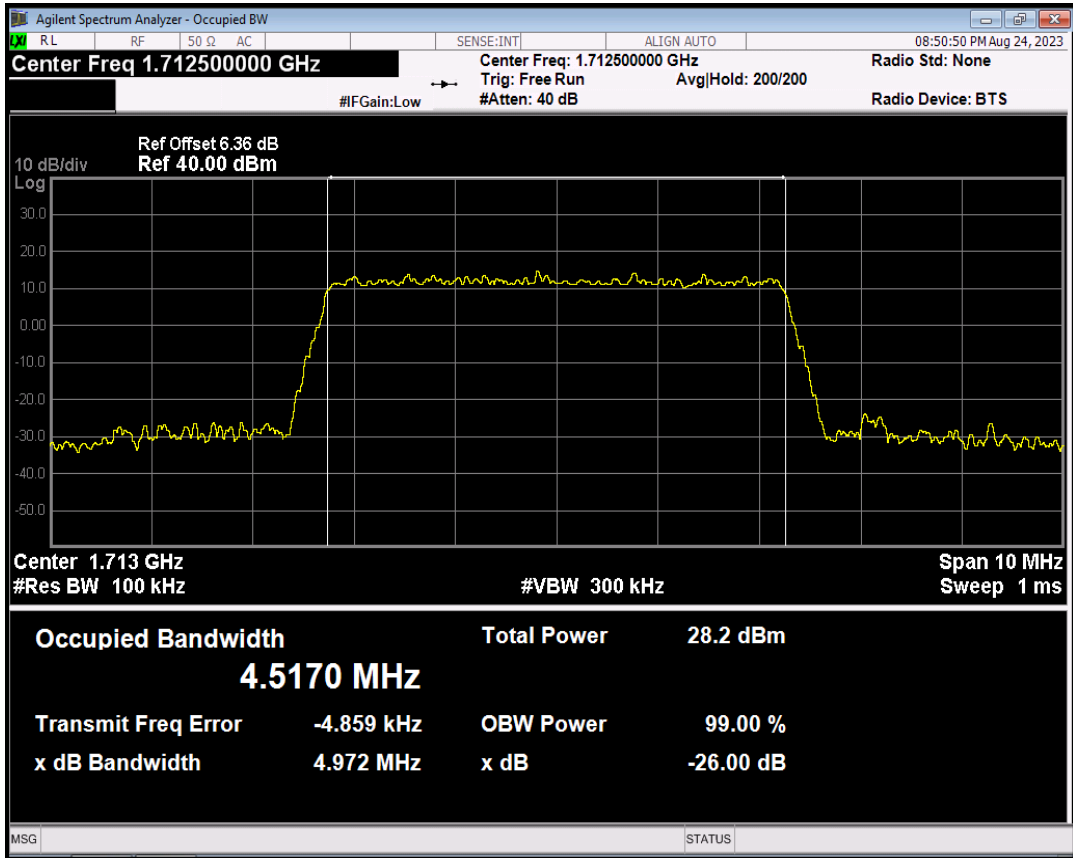
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



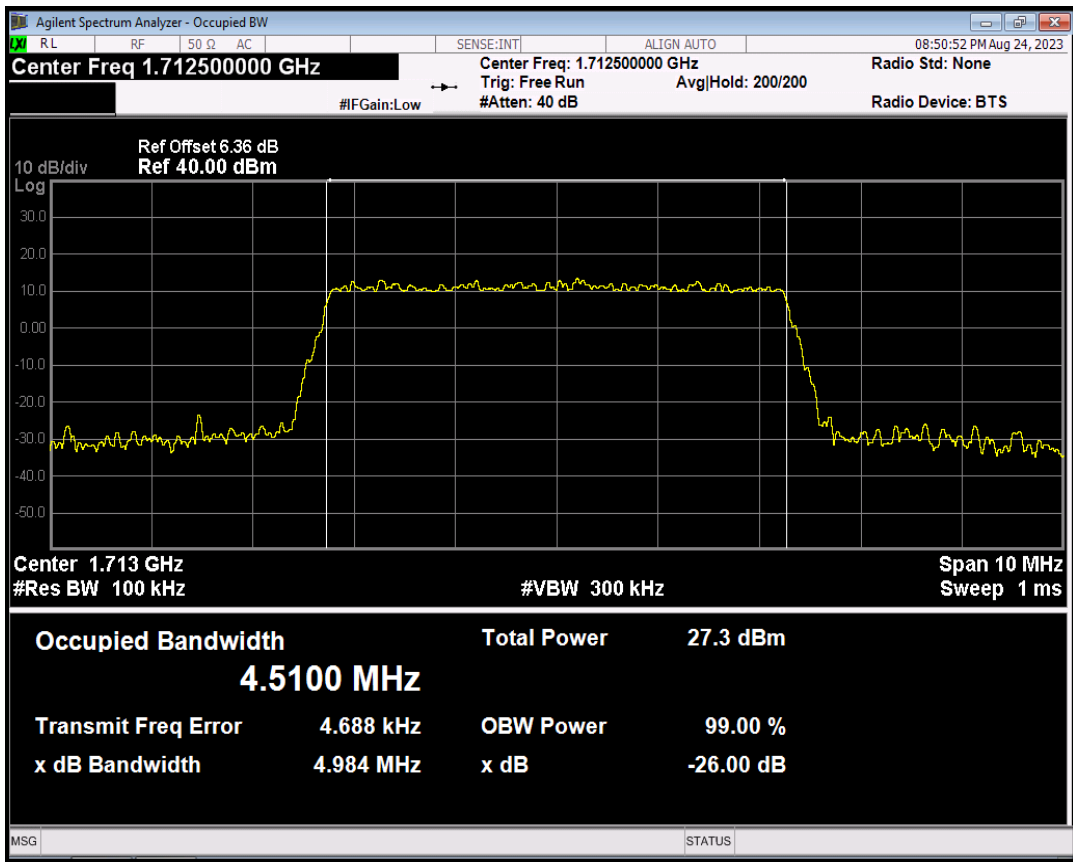
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



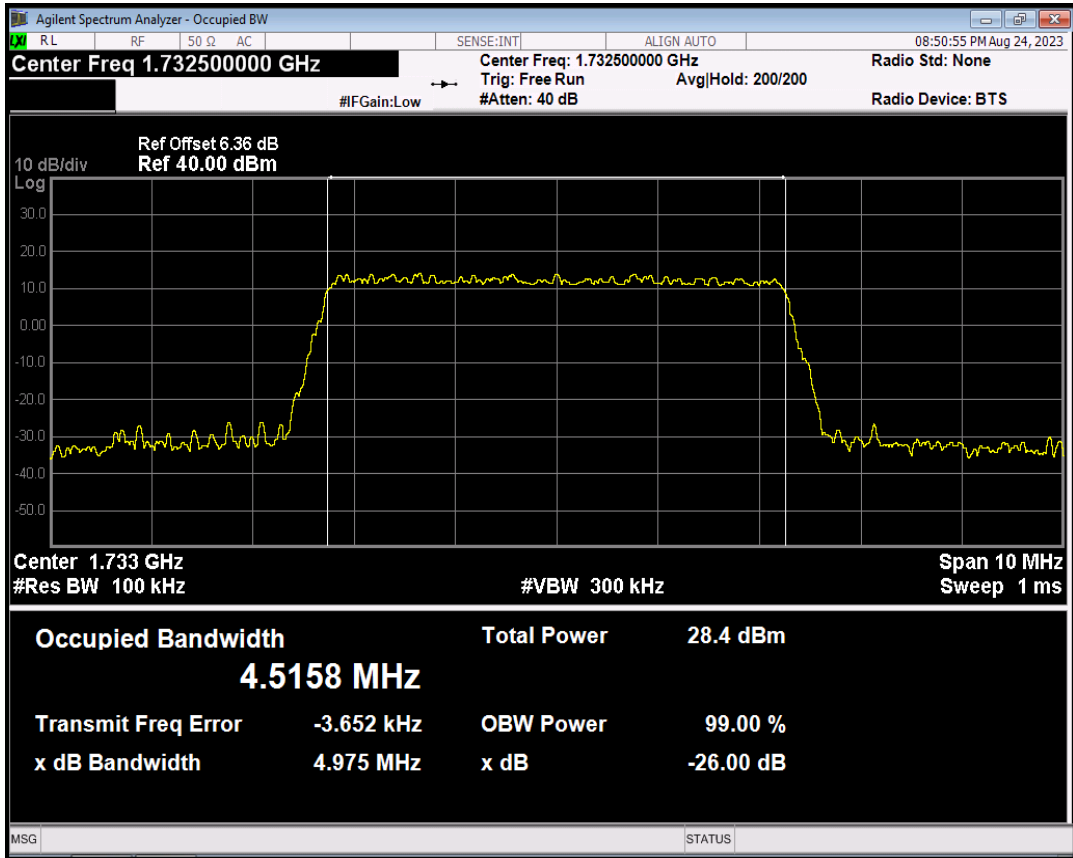
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



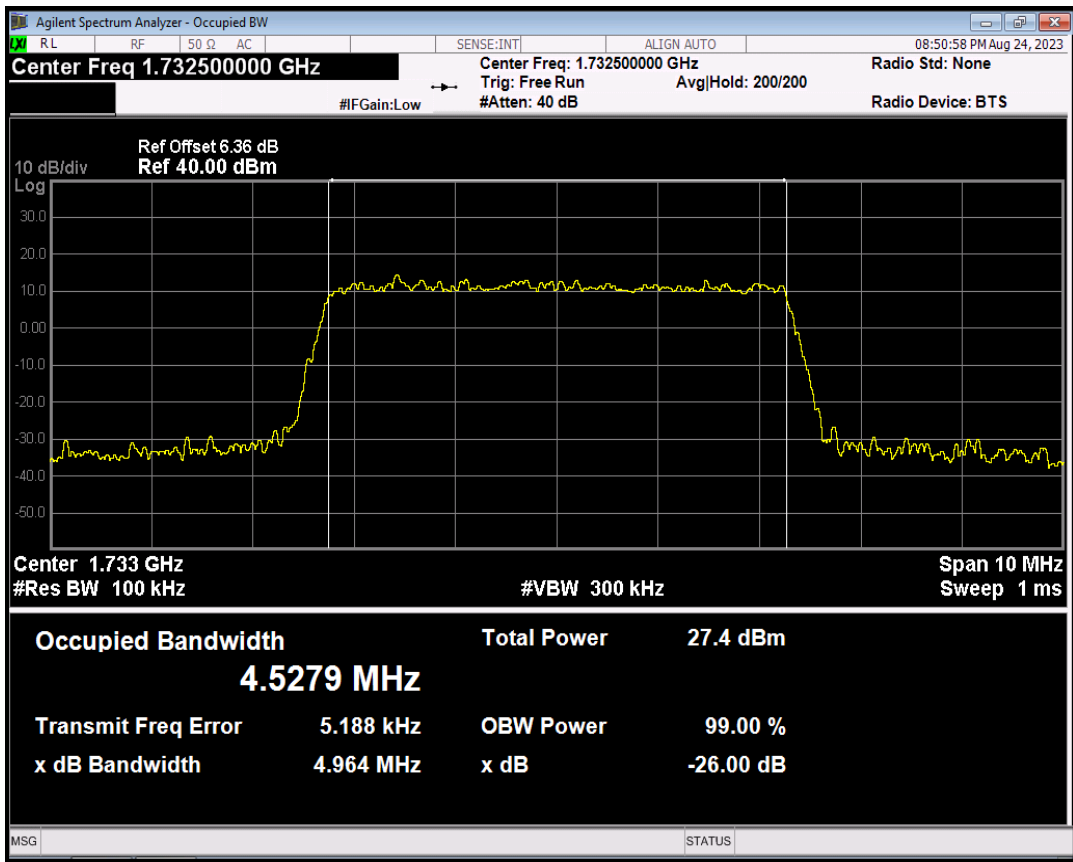
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



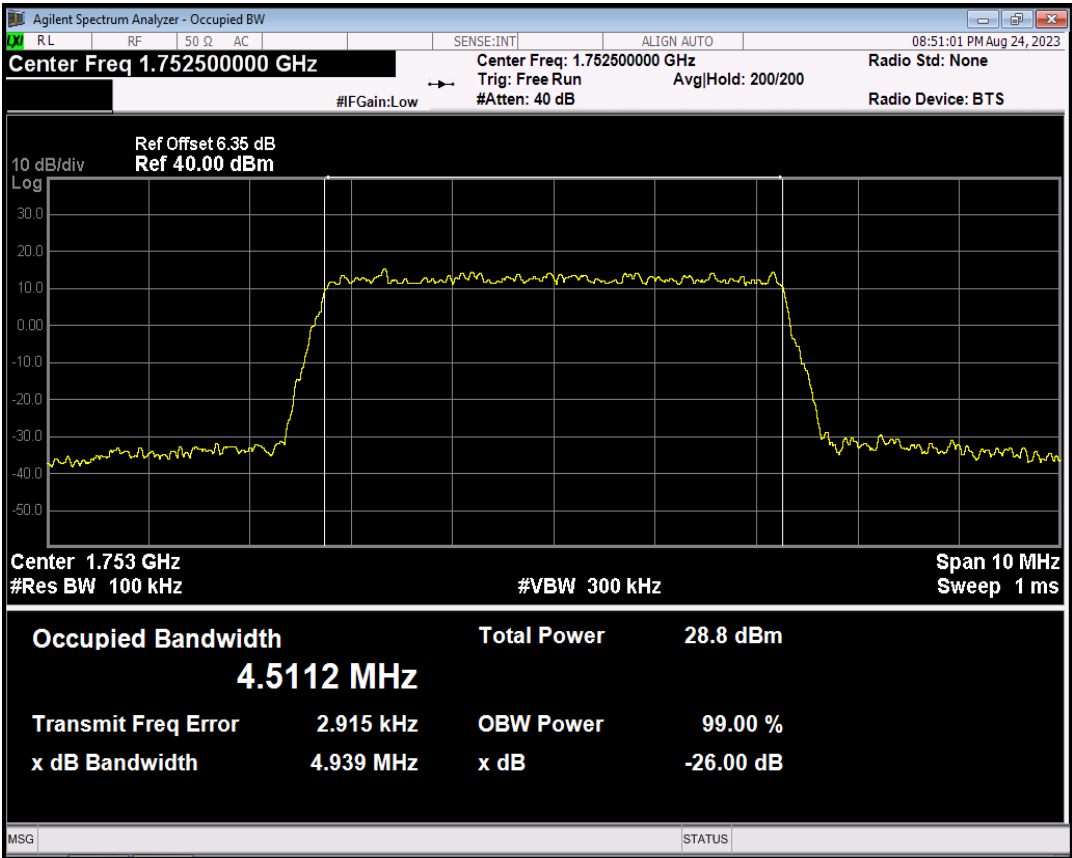
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



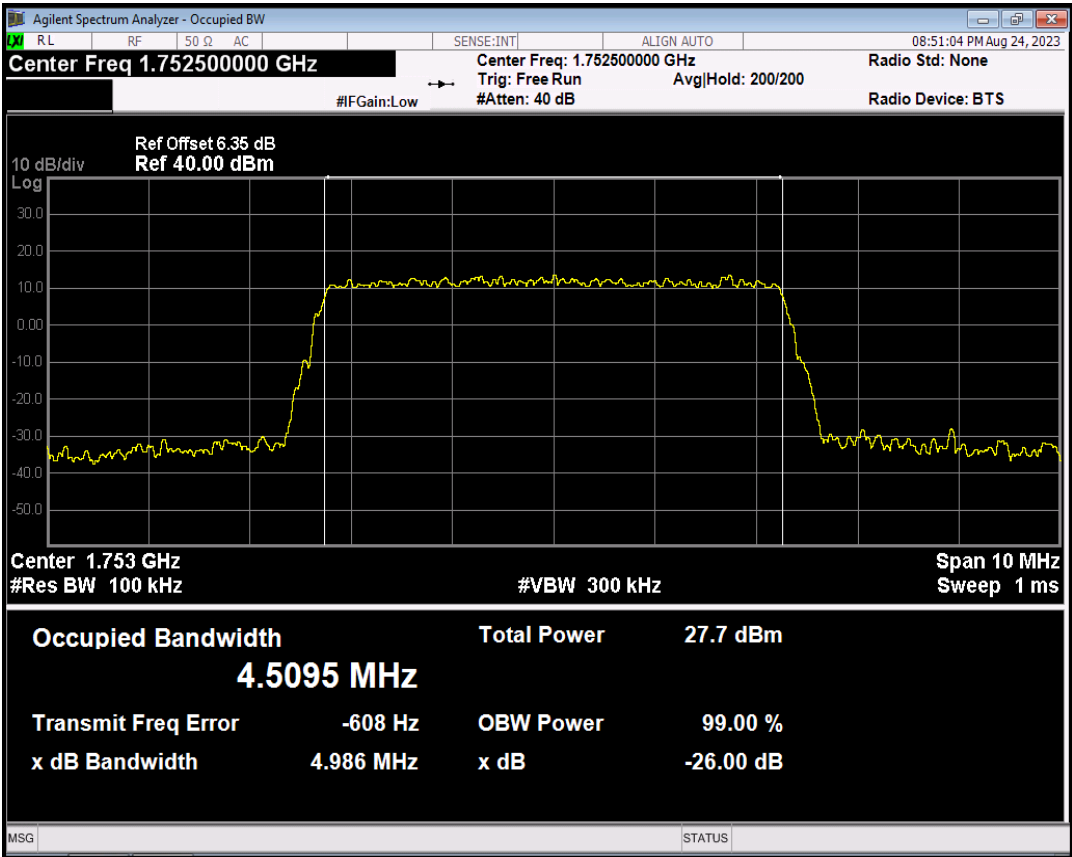
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



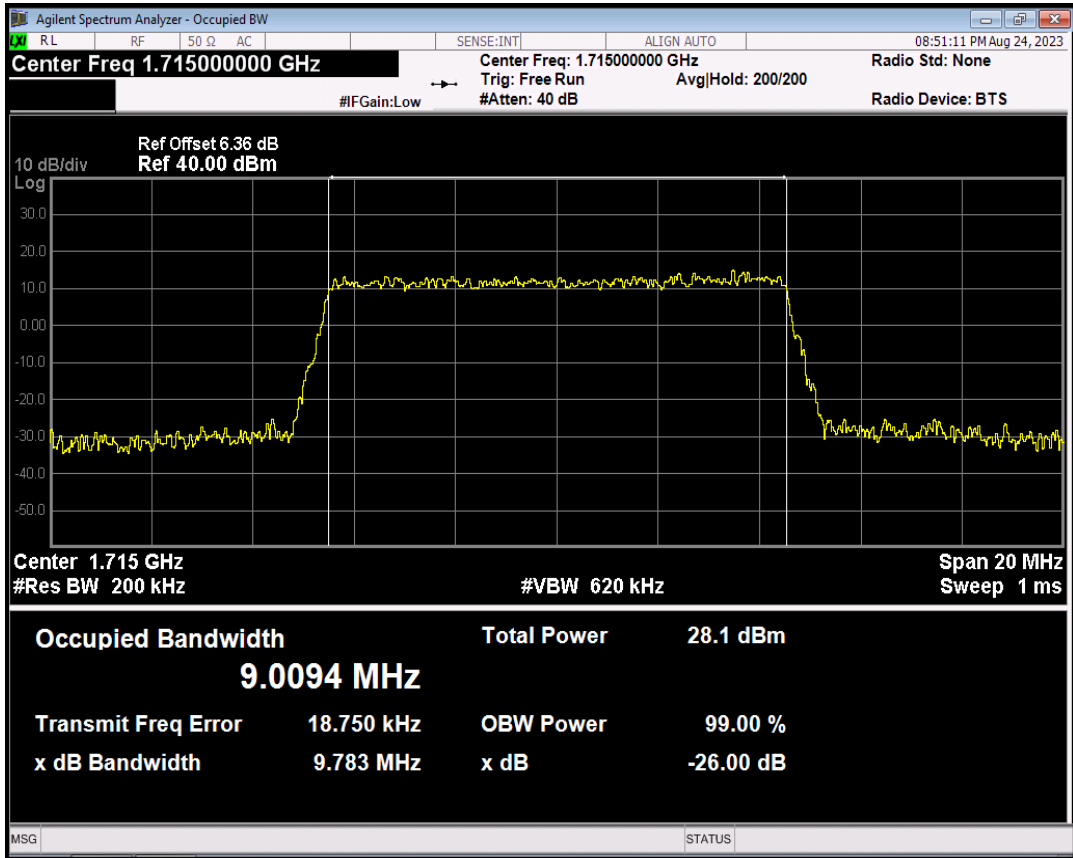
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



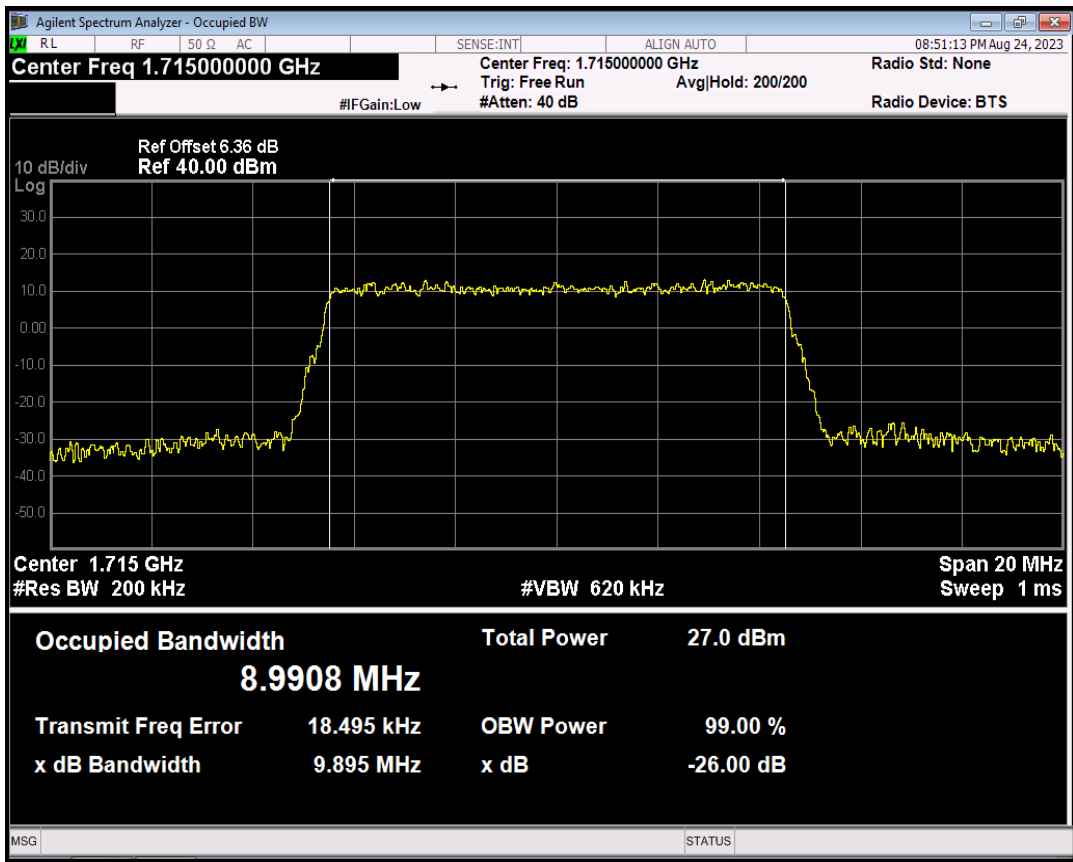
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



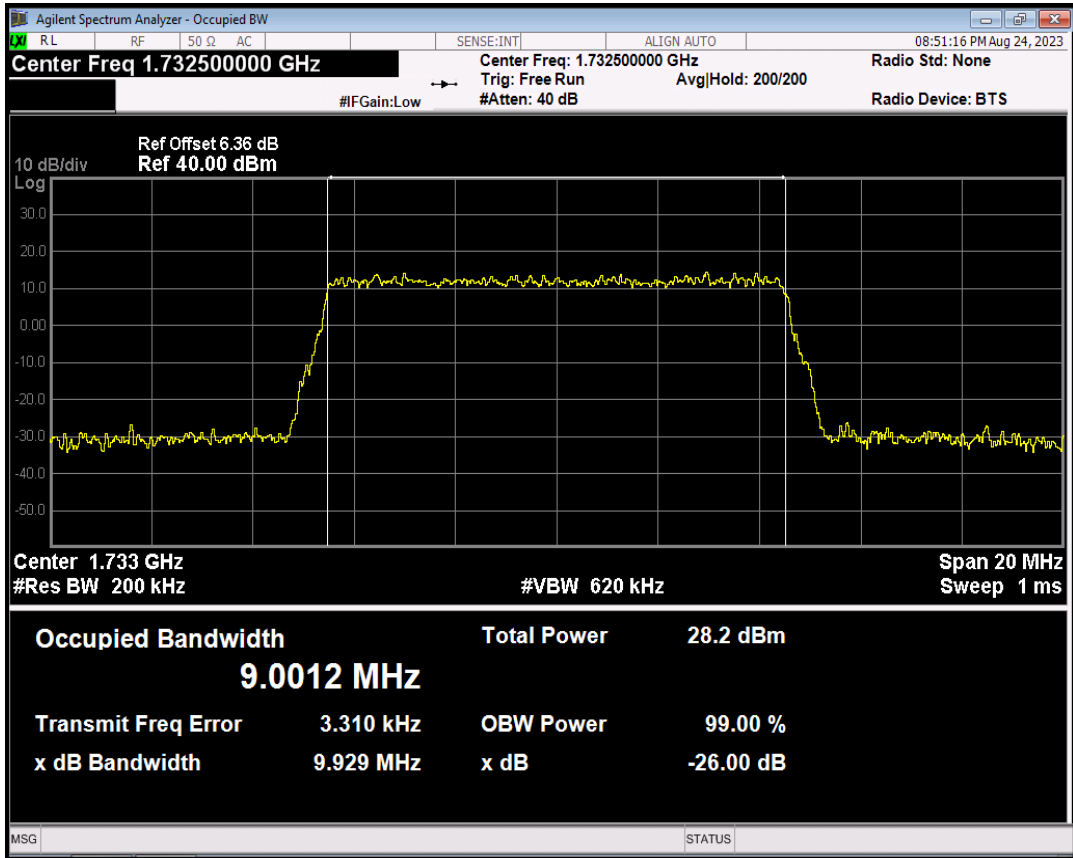
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



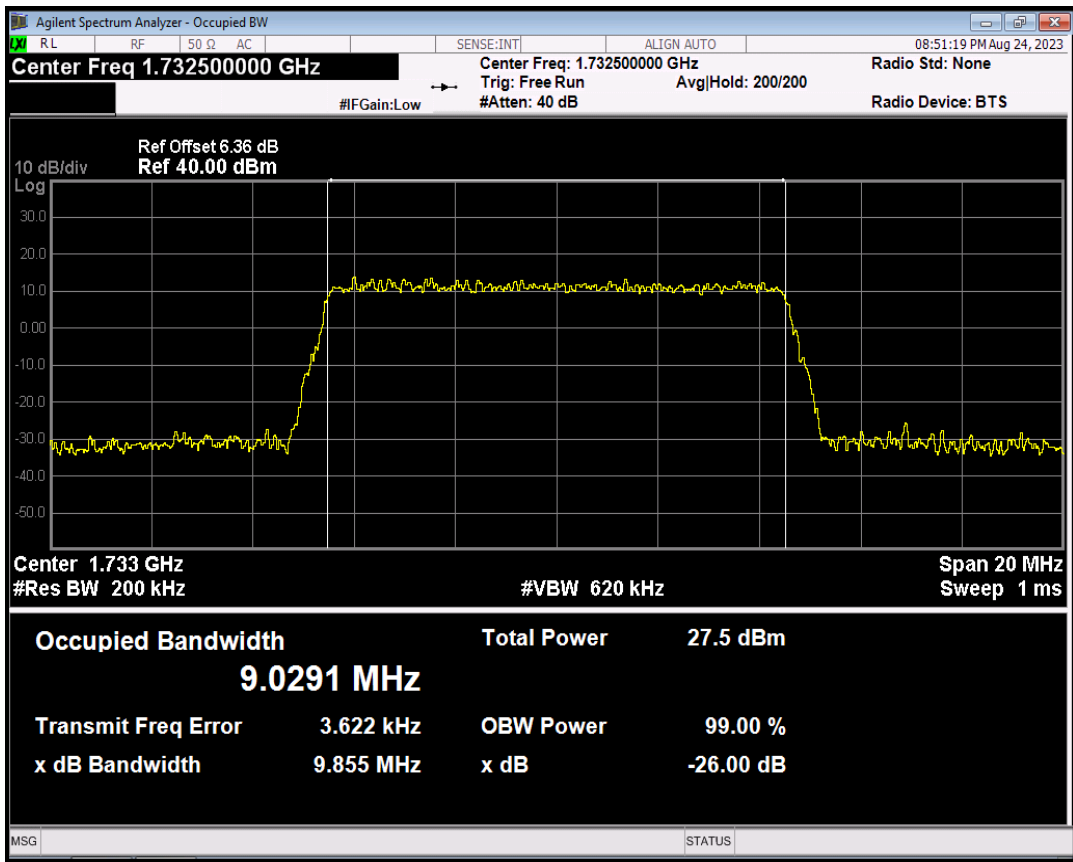
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



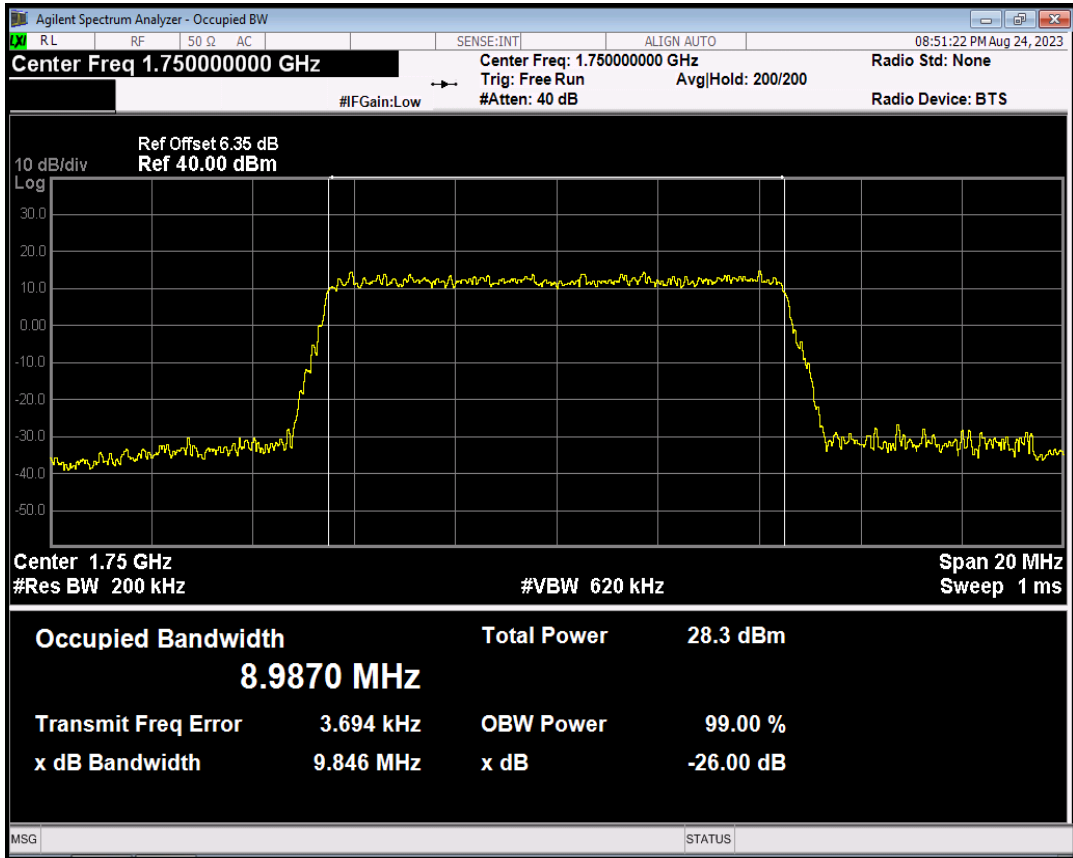
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



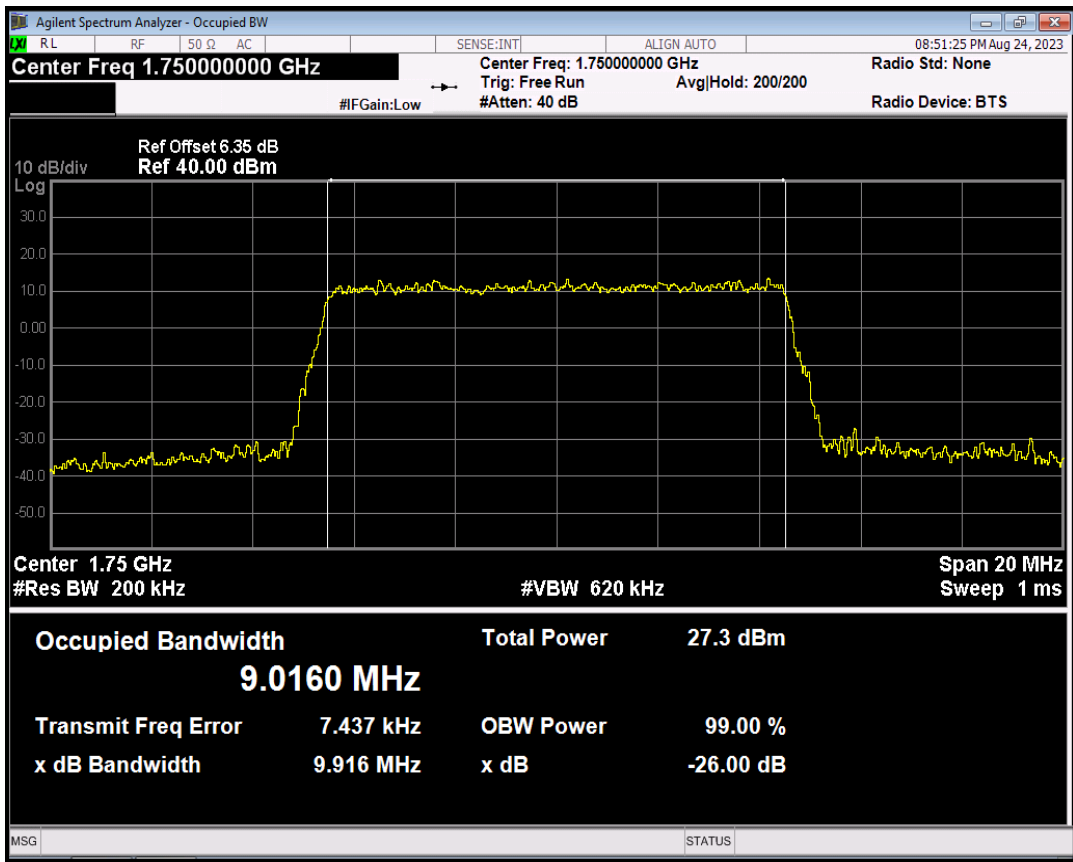
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



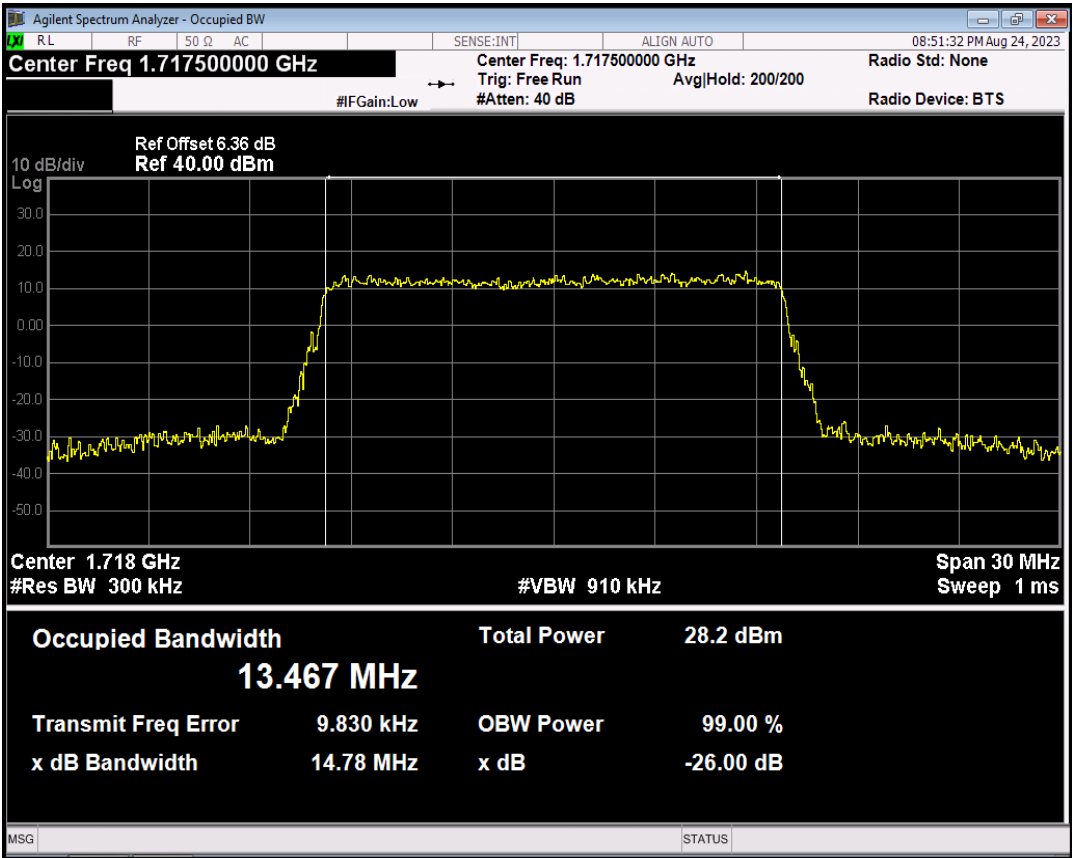
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



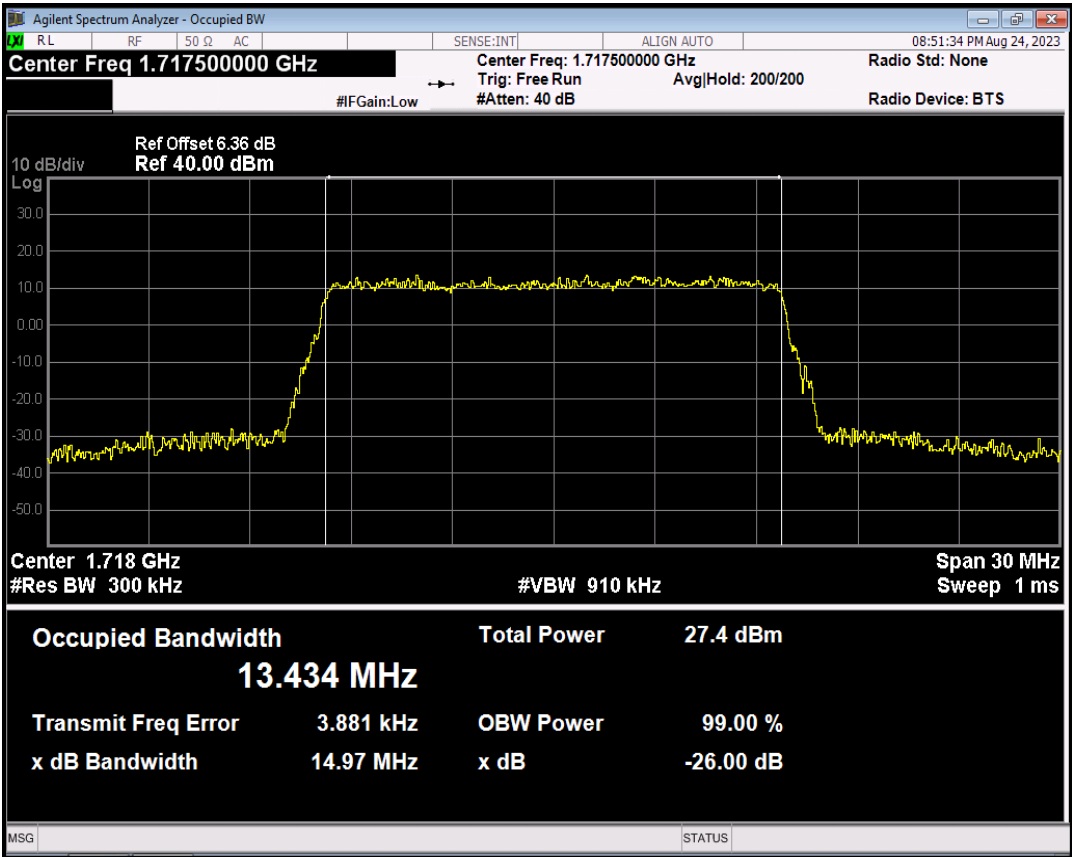
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



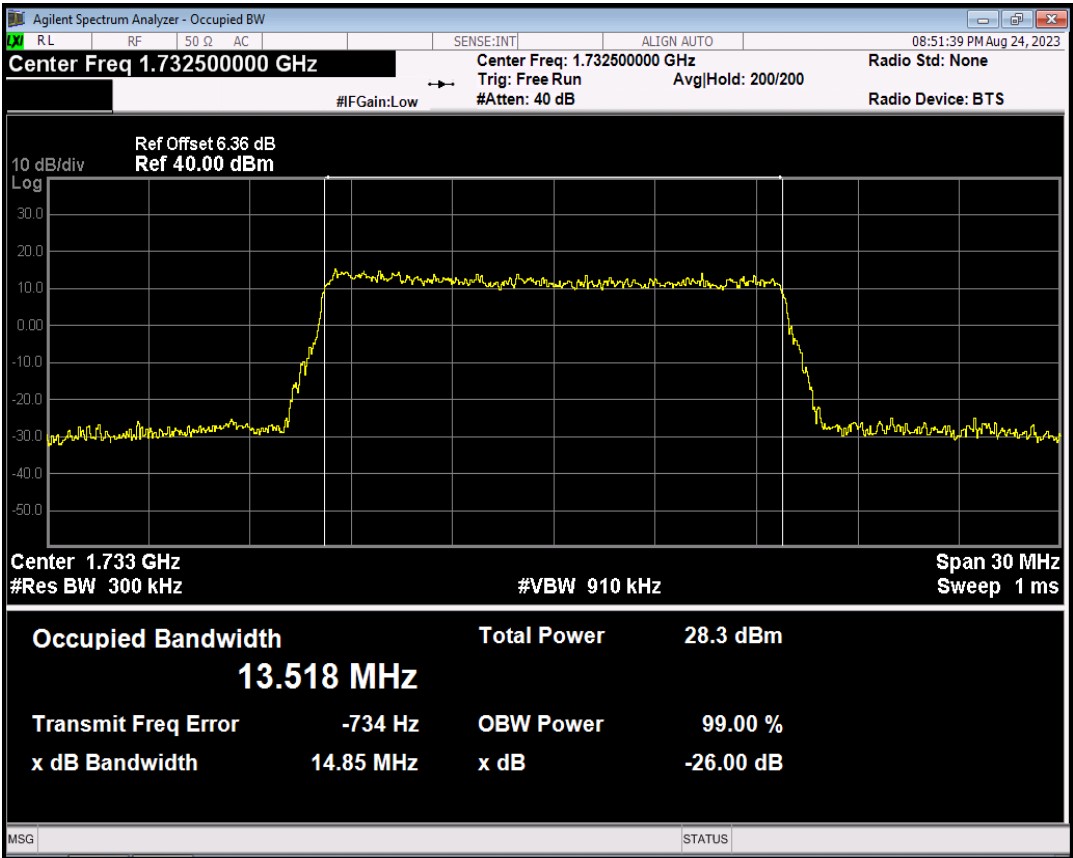
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



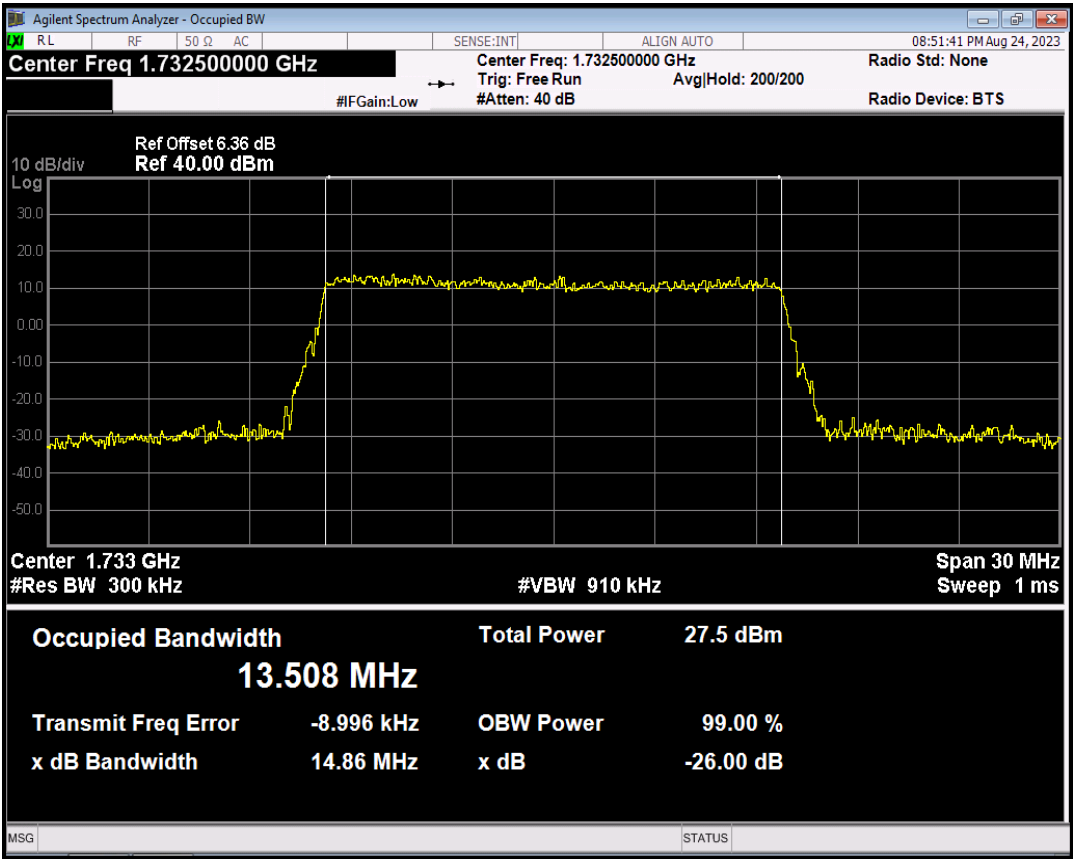
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



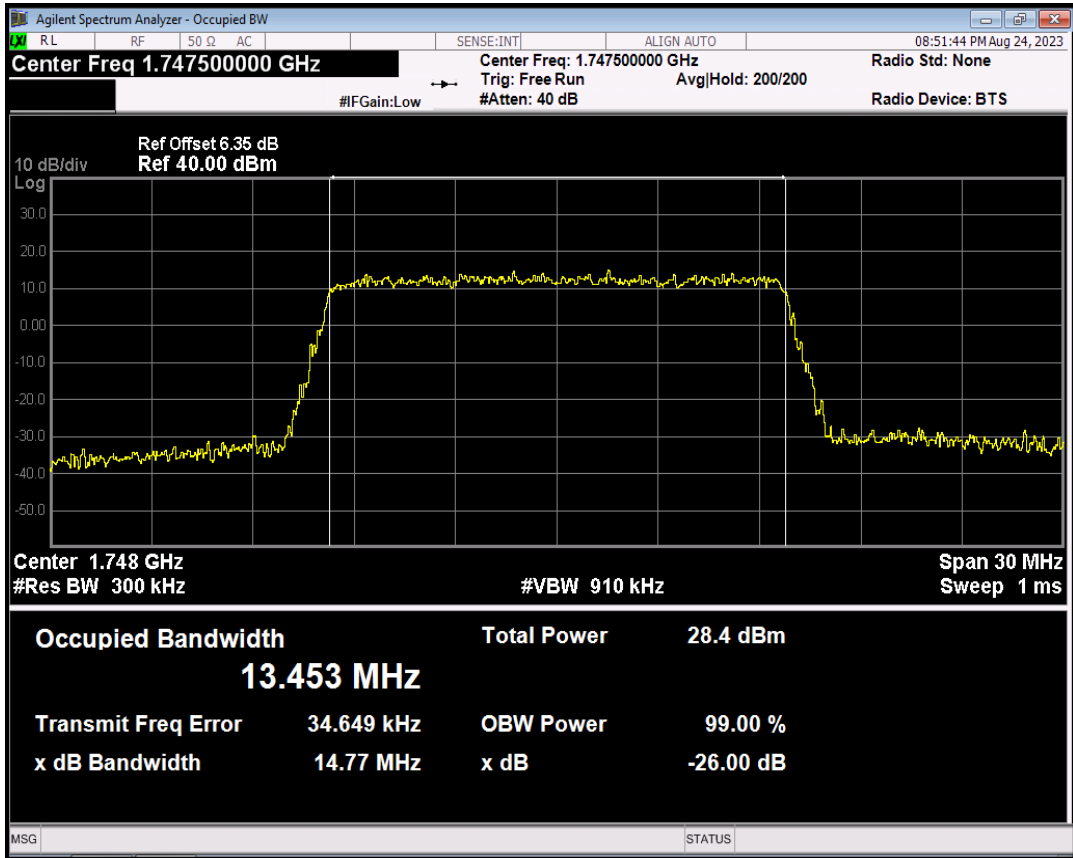
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



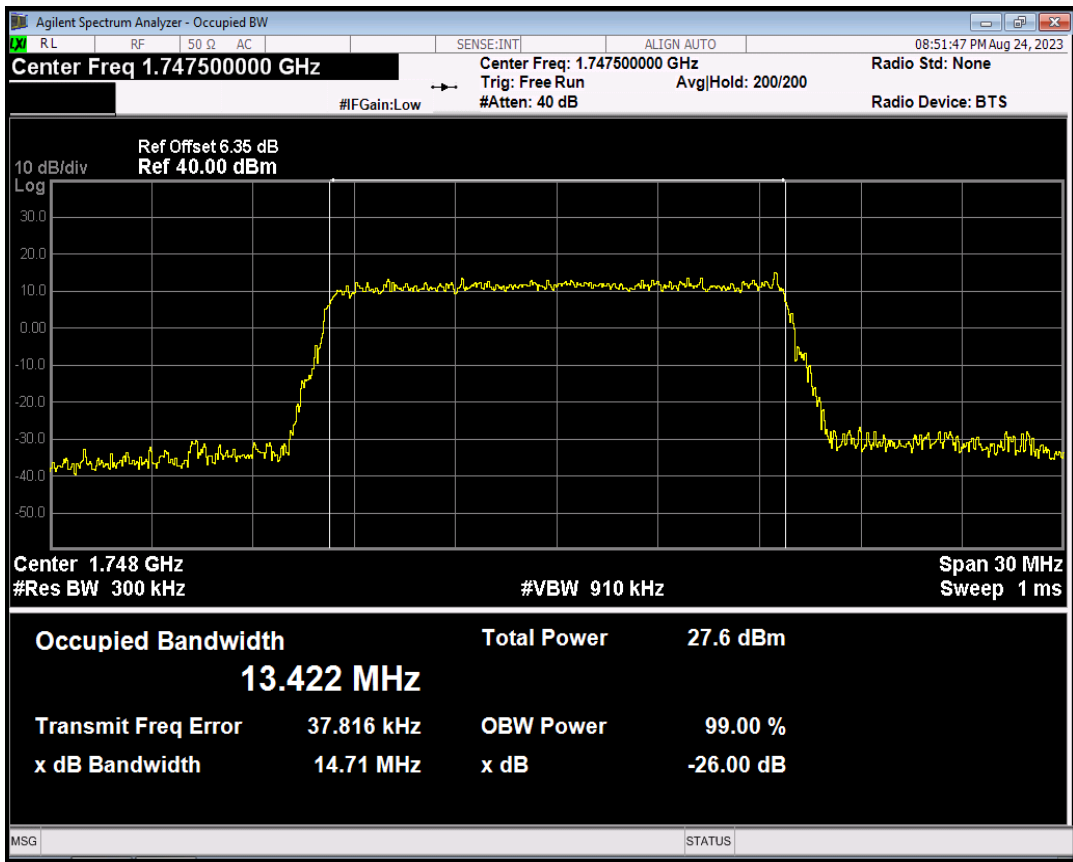
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



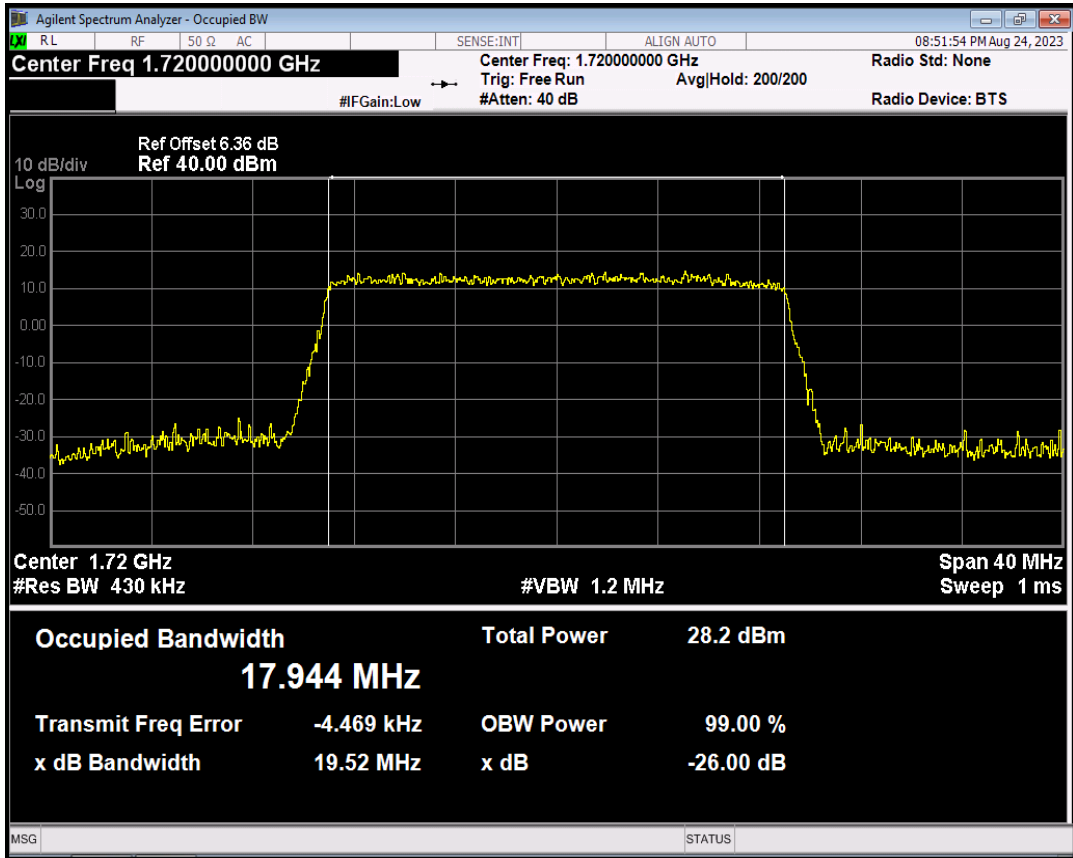
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



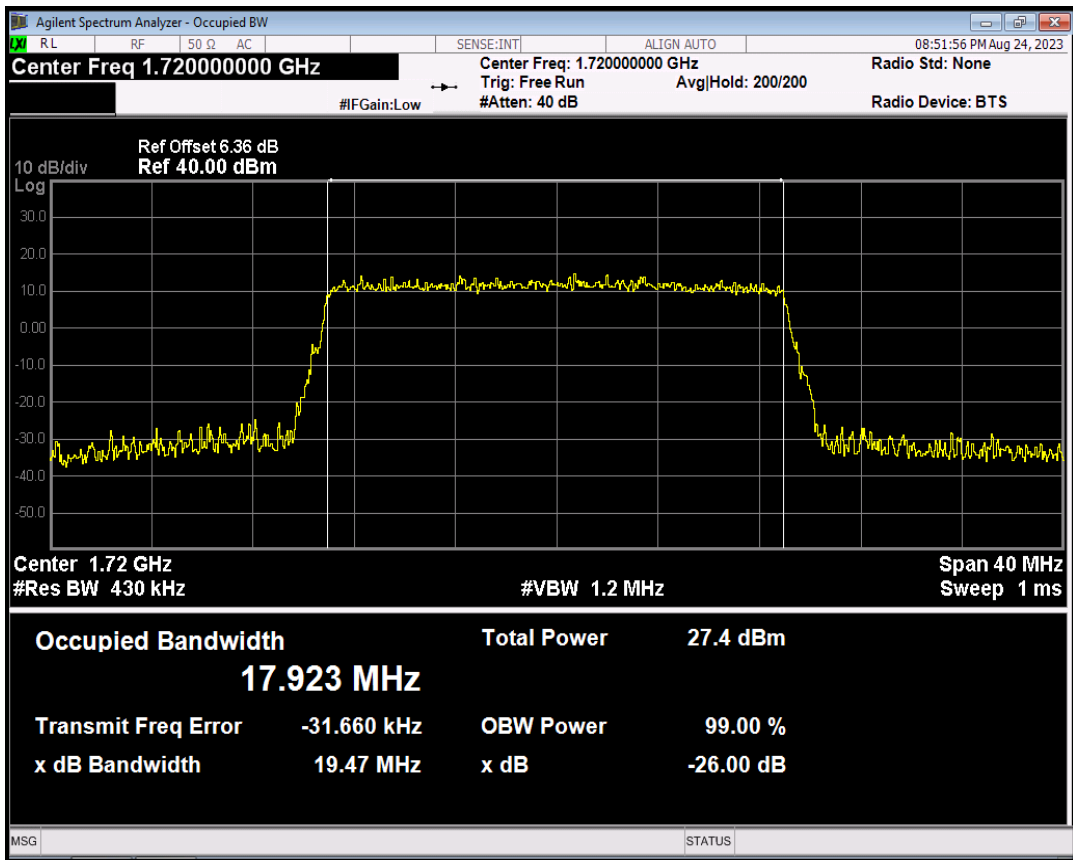
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



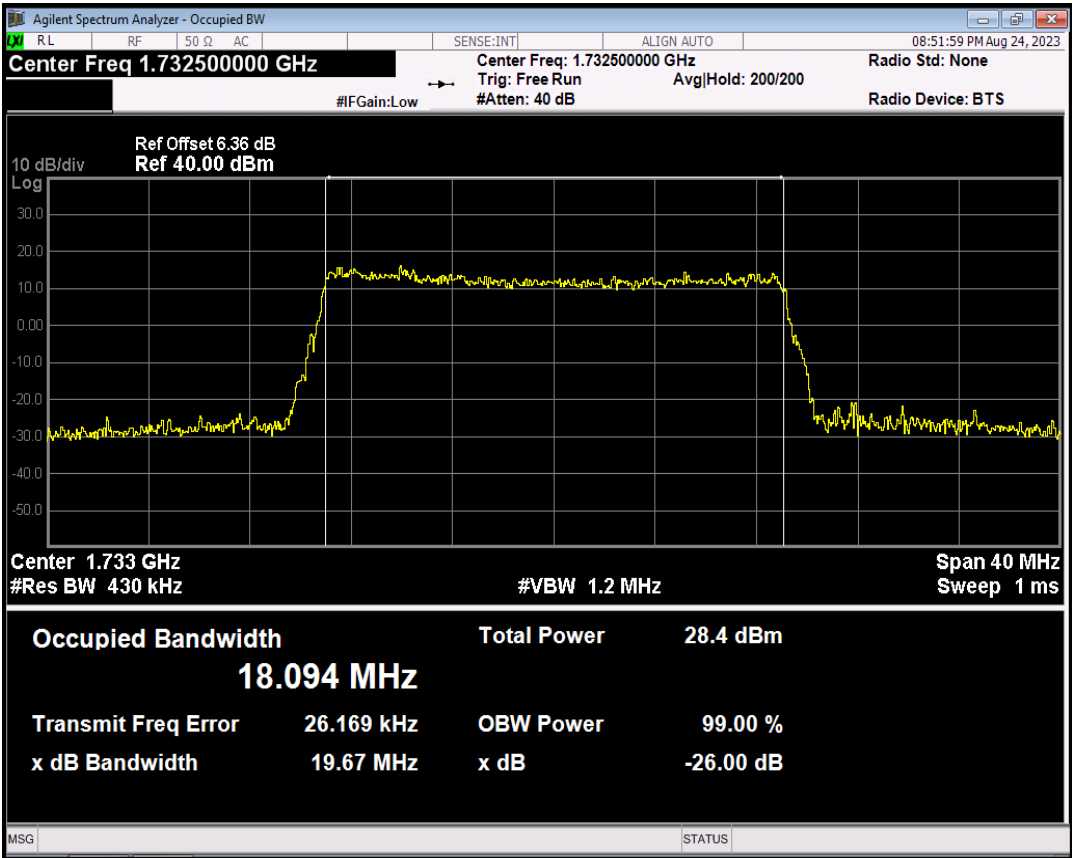
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



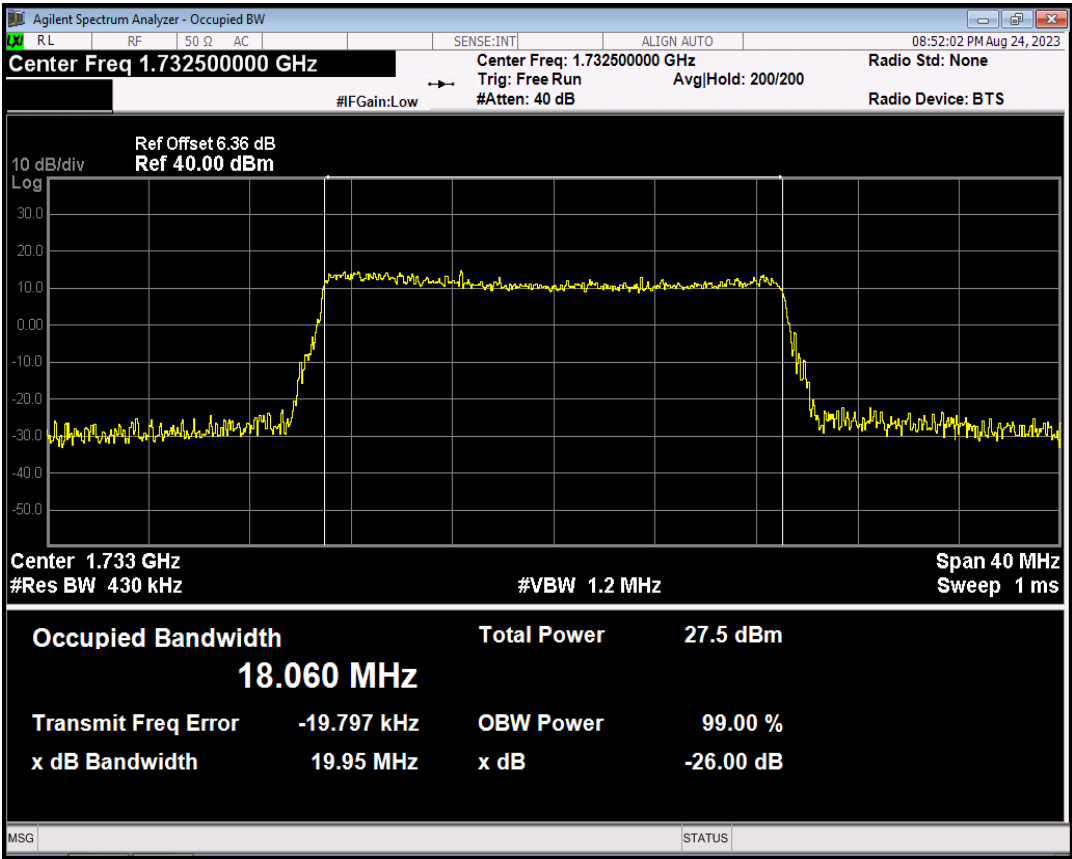
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



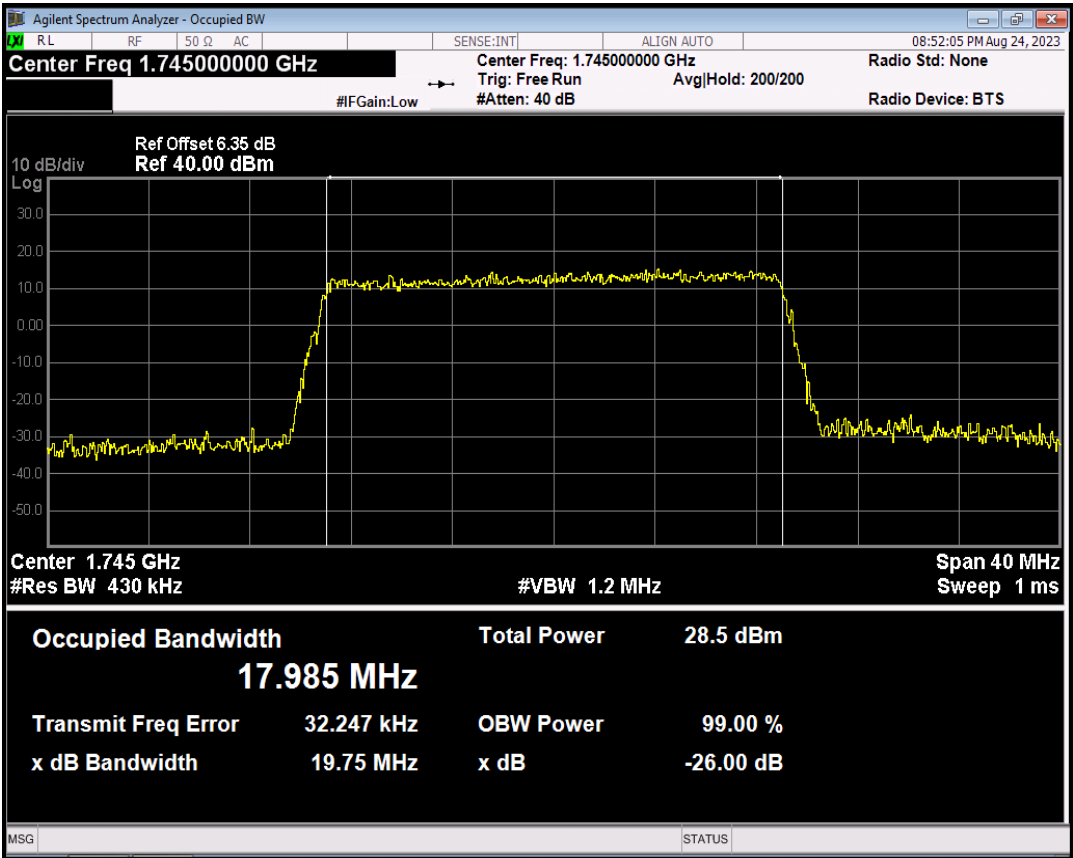
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



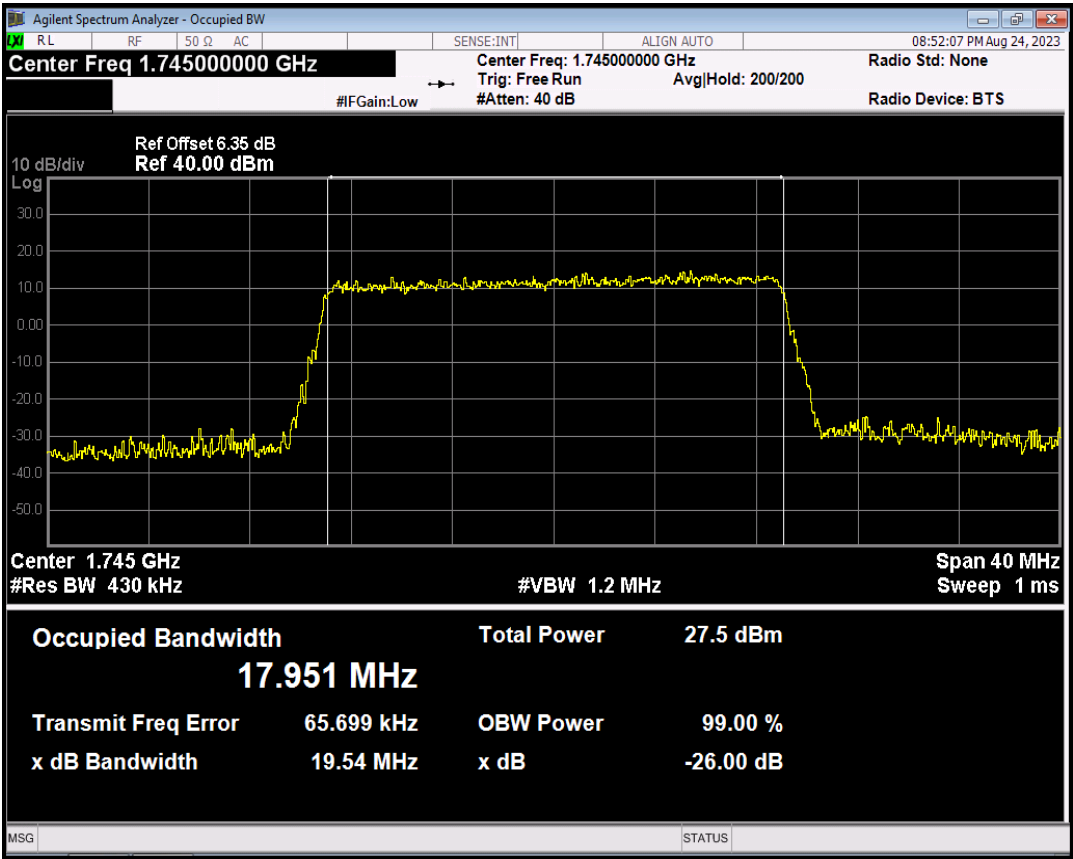
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



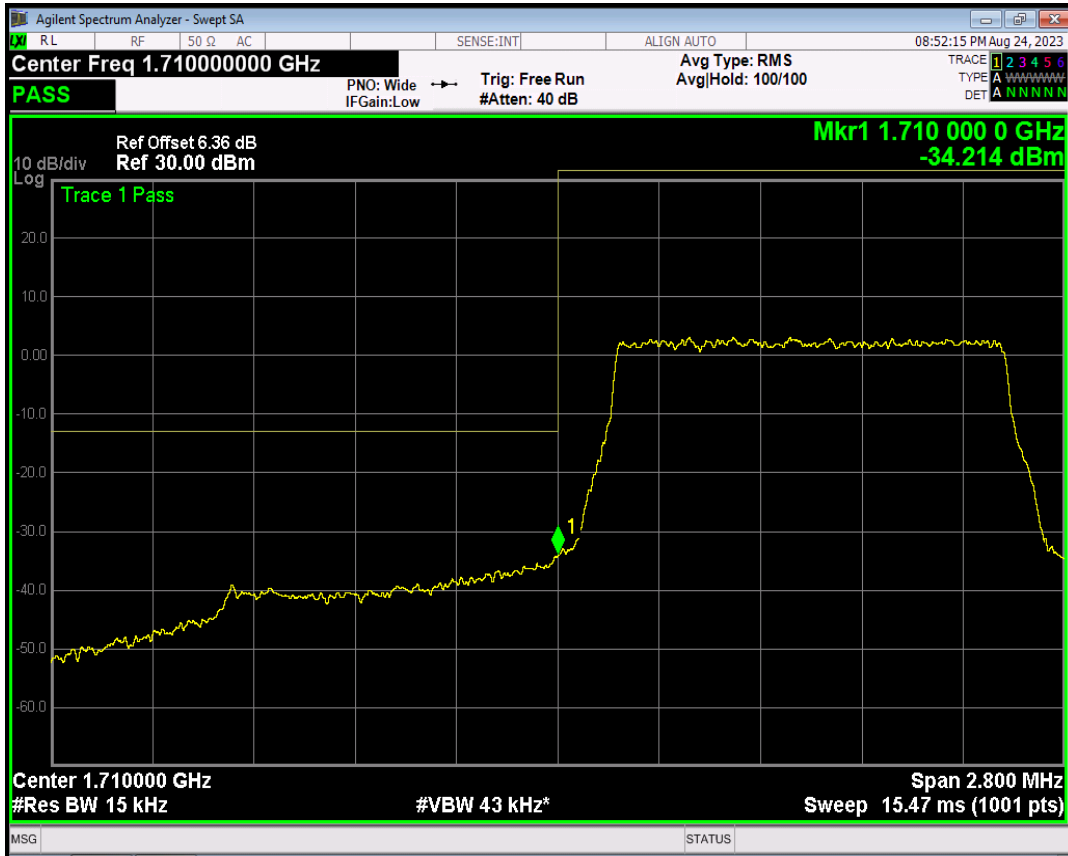
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



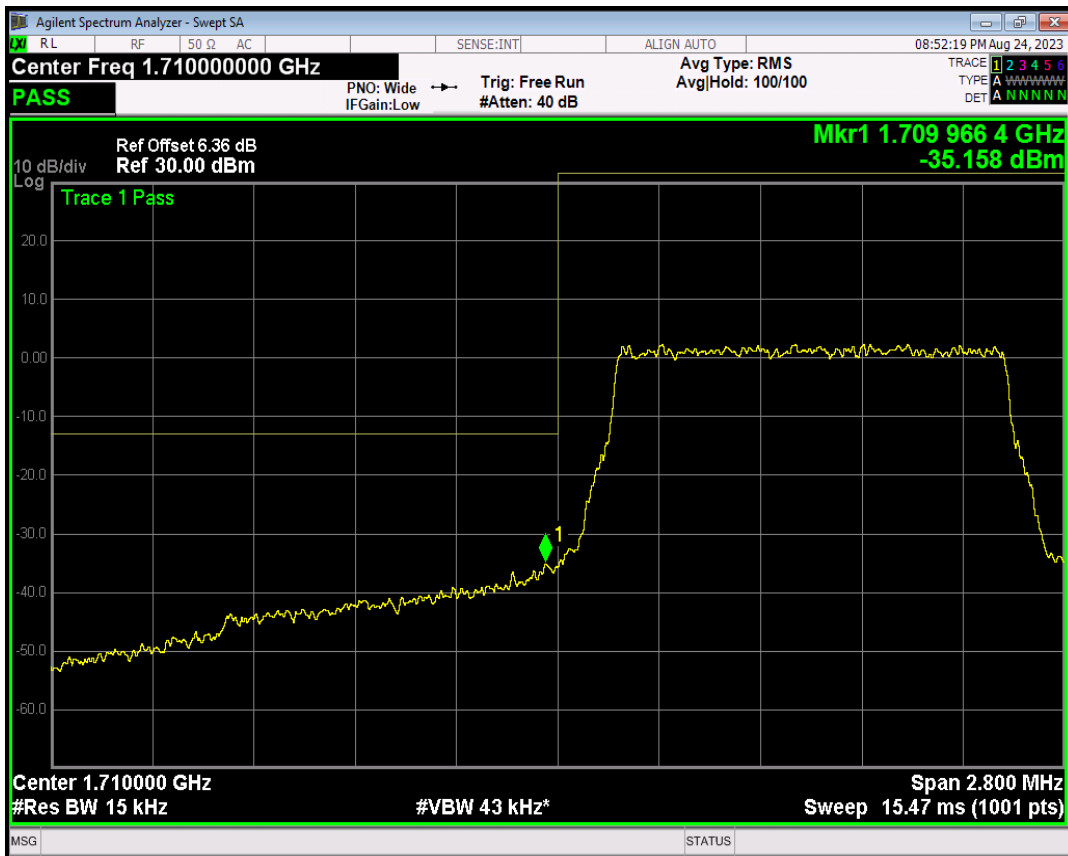
Appendix 5. Band edge

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	-34.21	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.97	-35.15	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-36.28	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-37.43	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-27.29	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-29.13	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-27.24	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-28.41	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-36.32	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-34.95	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-32.07	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-36.06	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-37.49	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-37.83	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-36.11	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-36.30	-13	PASS
Band4	15	20025	75	#0	QPSK	1710.00	-36.76	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.97	-37.18	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-36.30	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.00	-34.74	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.92	-40.86	-13	PASS
Band4	20	20050	100	#0	16QAM	1710.00	-39.98	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.00	-36.18	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.00	-36.92	-13	PASS

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



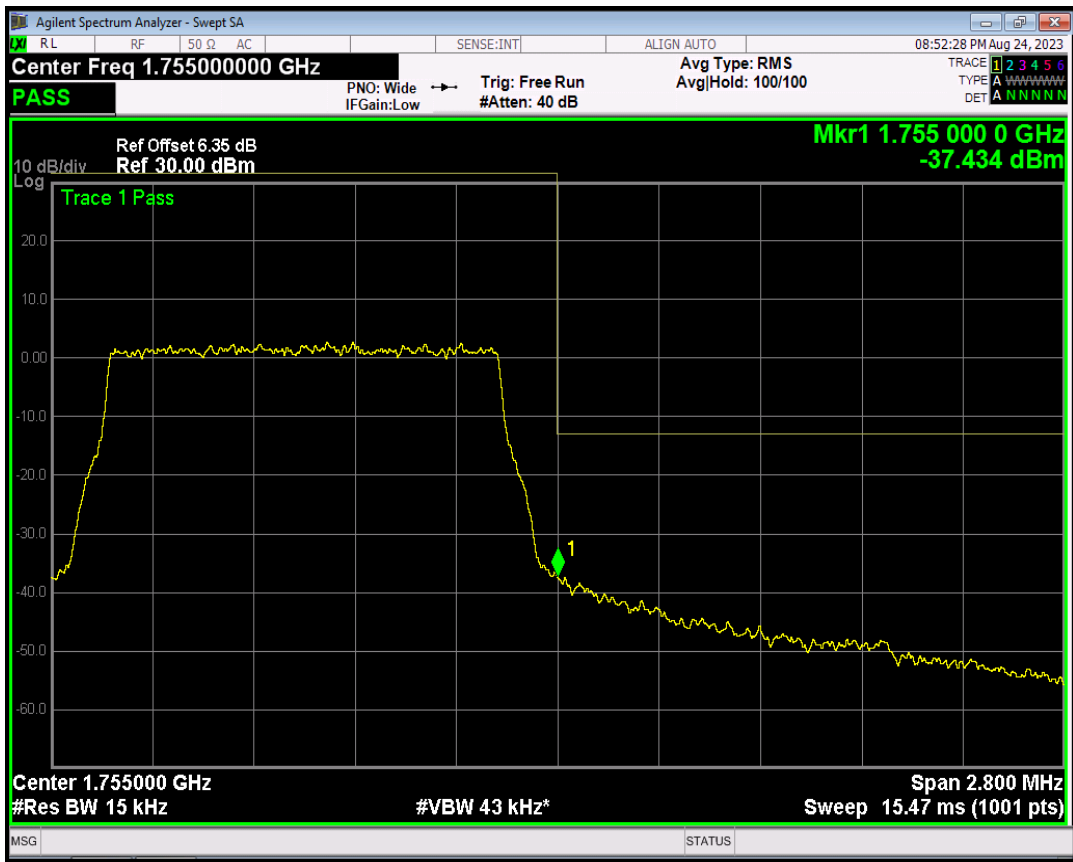
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



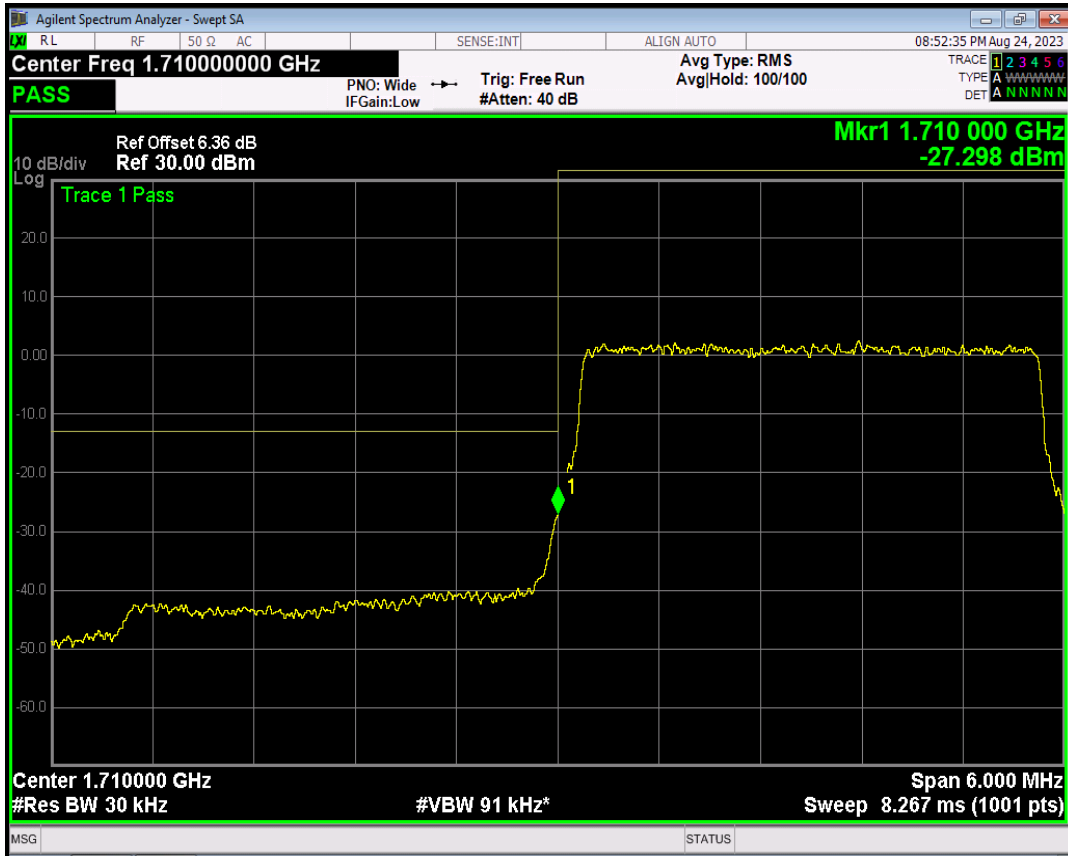
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



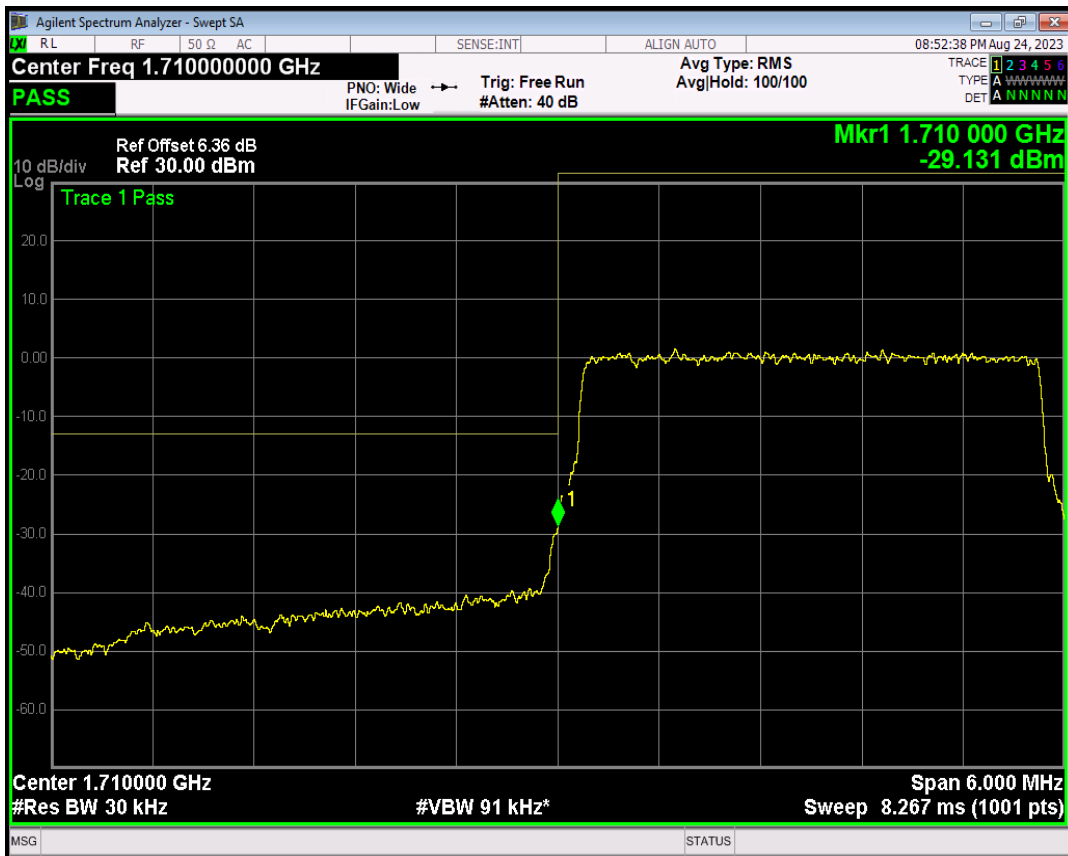
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



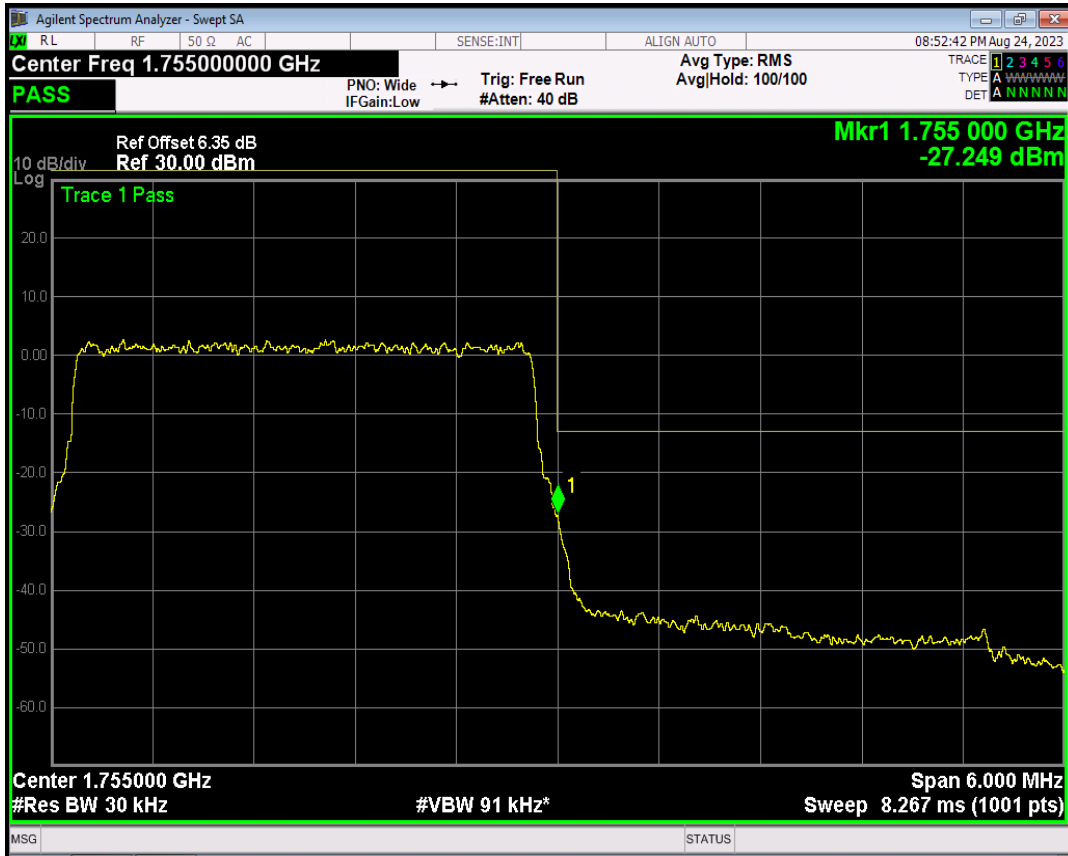
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



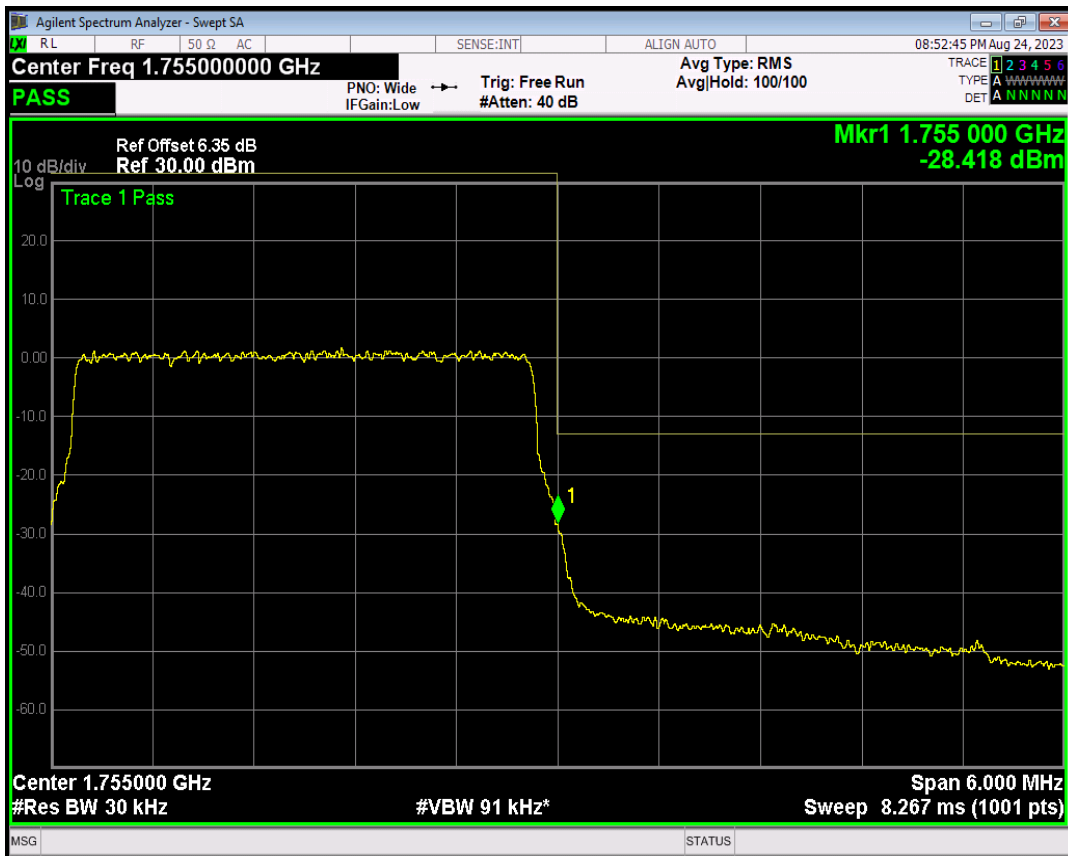
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



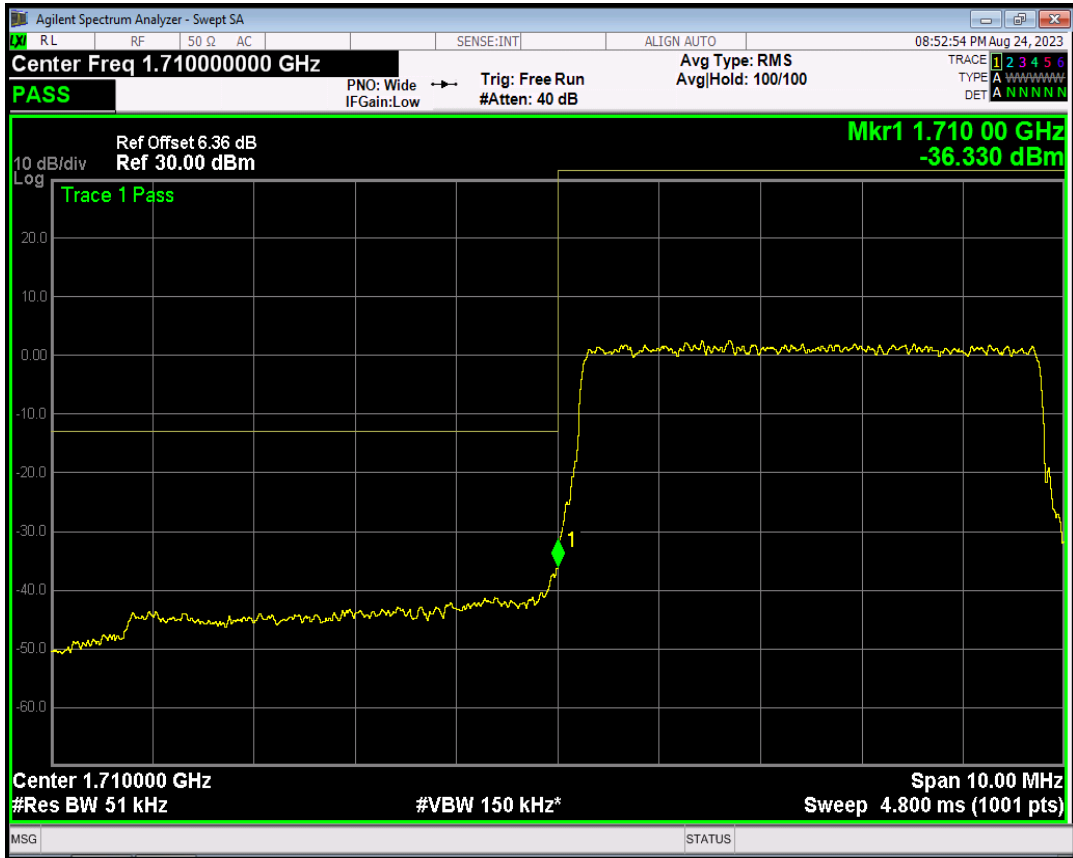
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



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



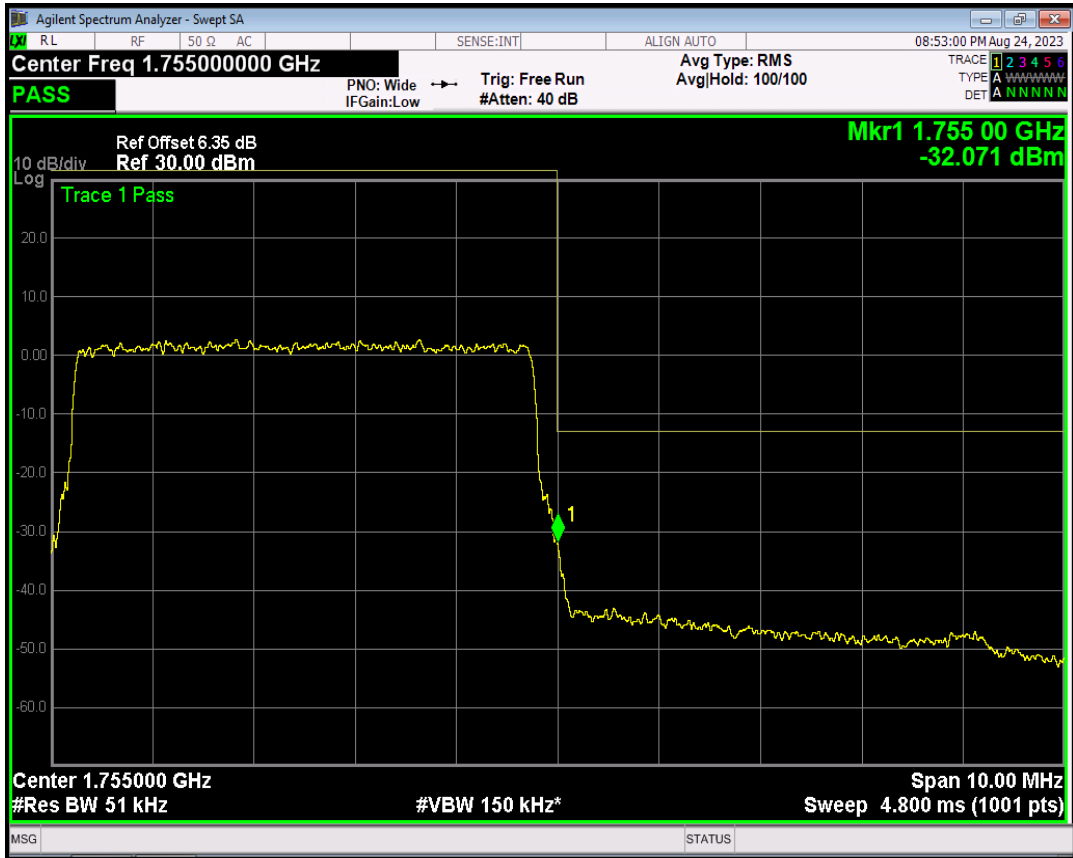
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



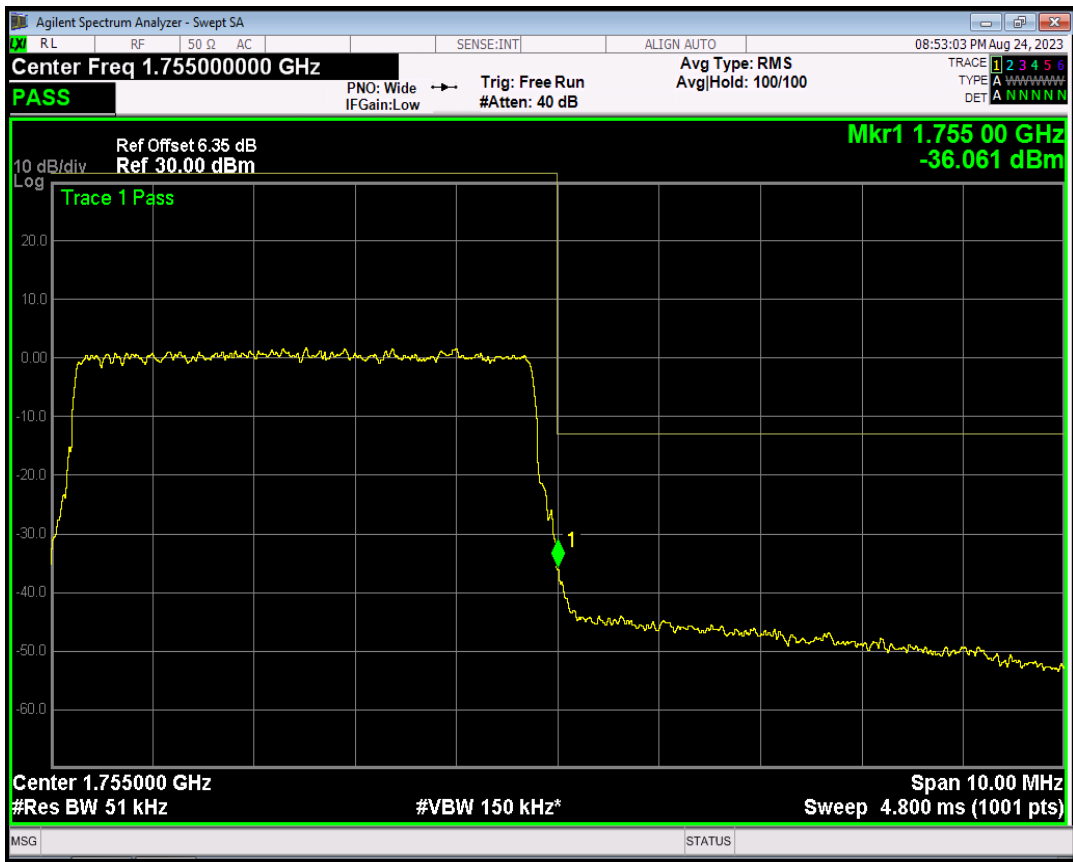
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



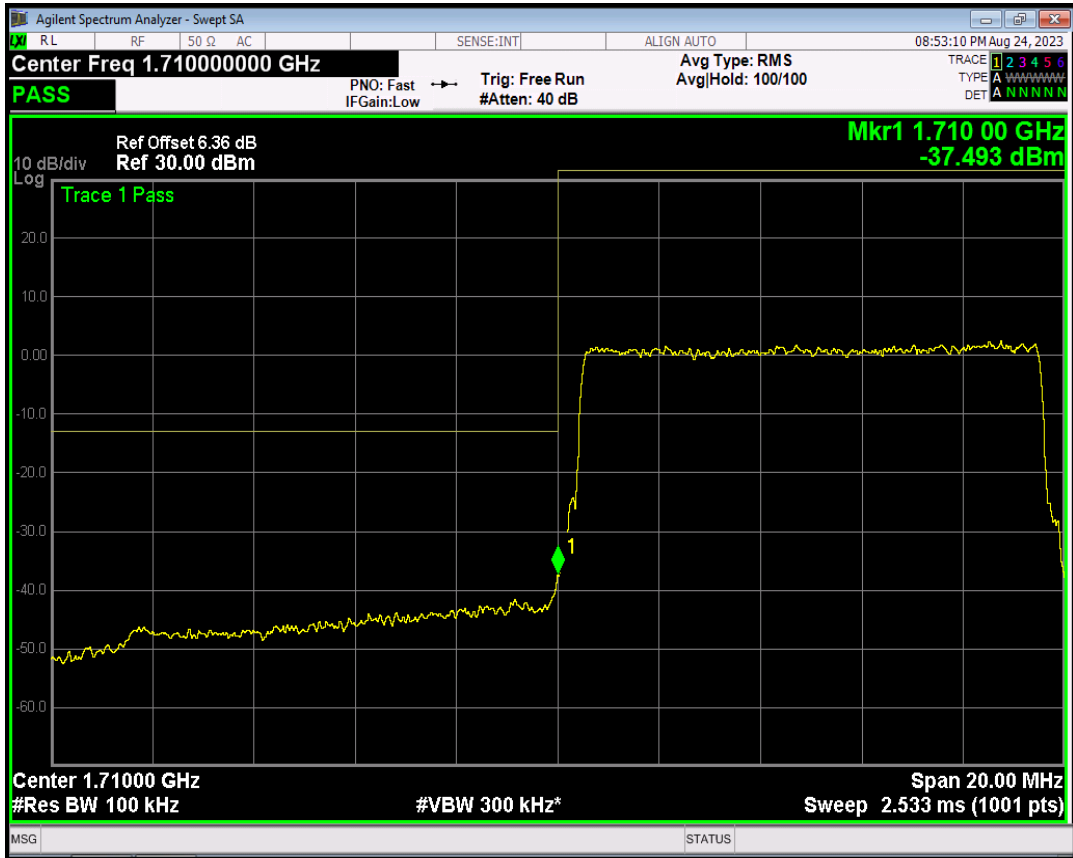
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



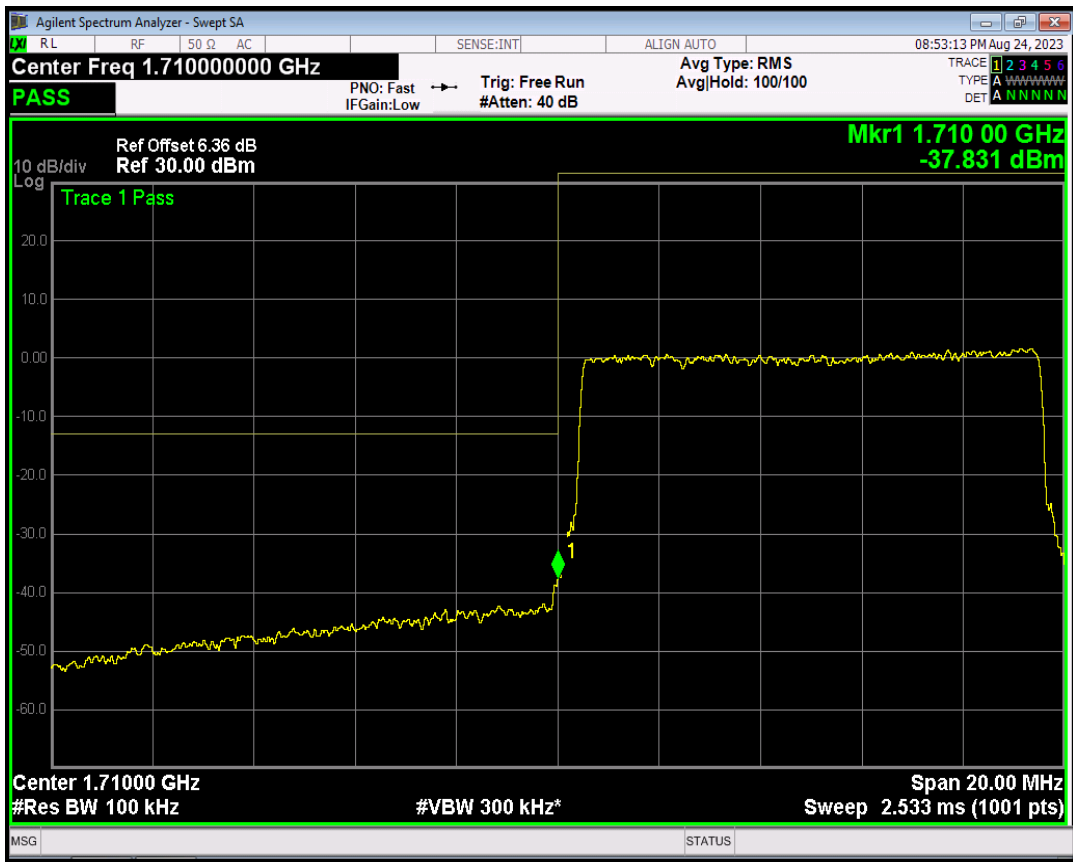
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



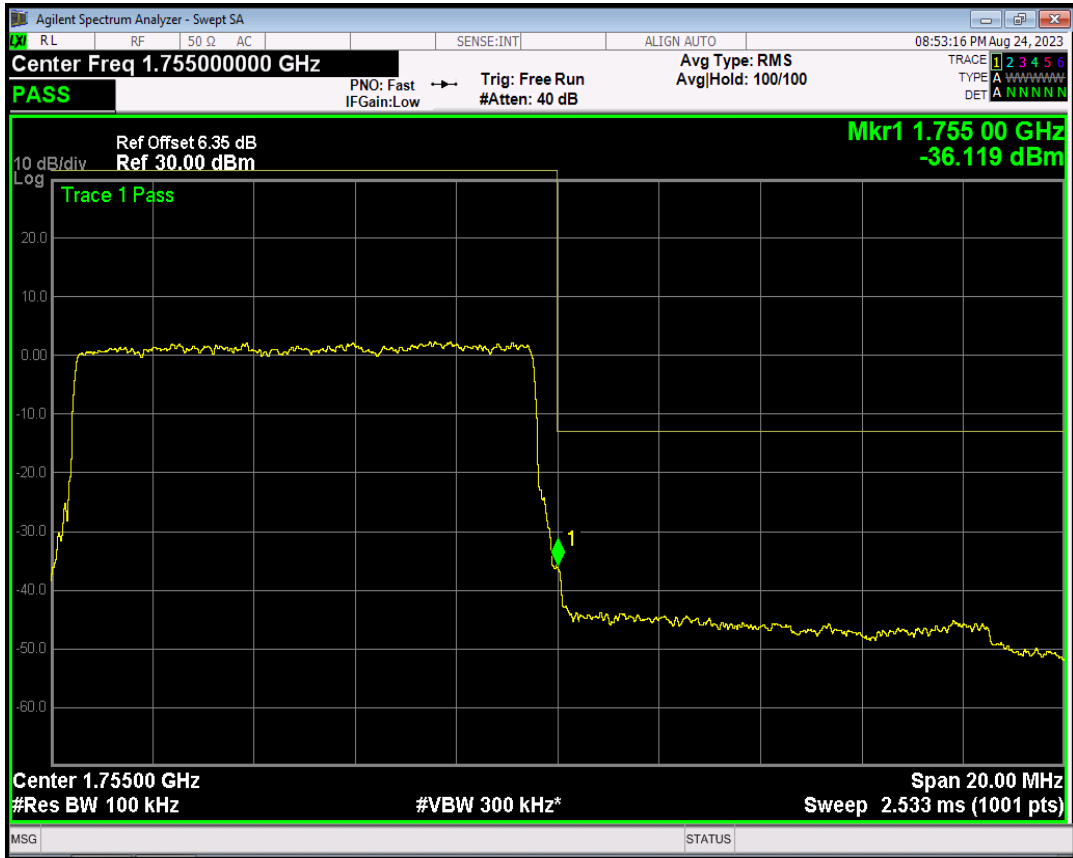
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



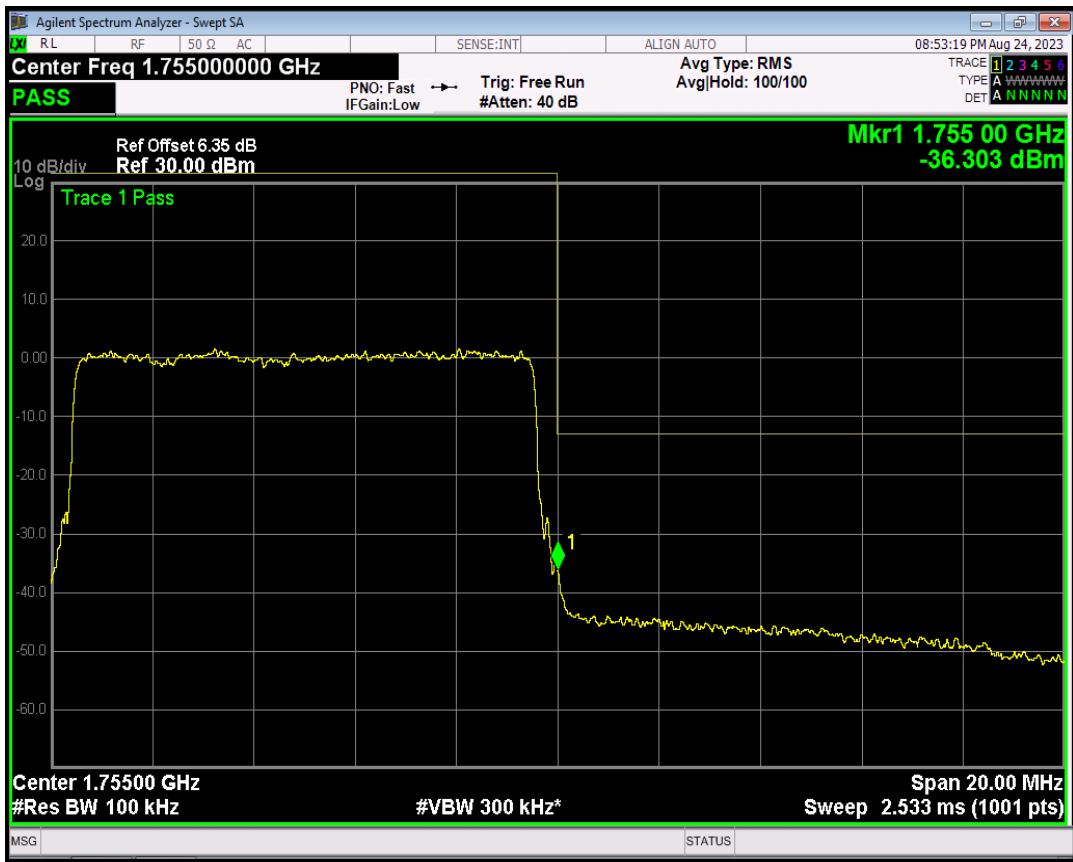
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



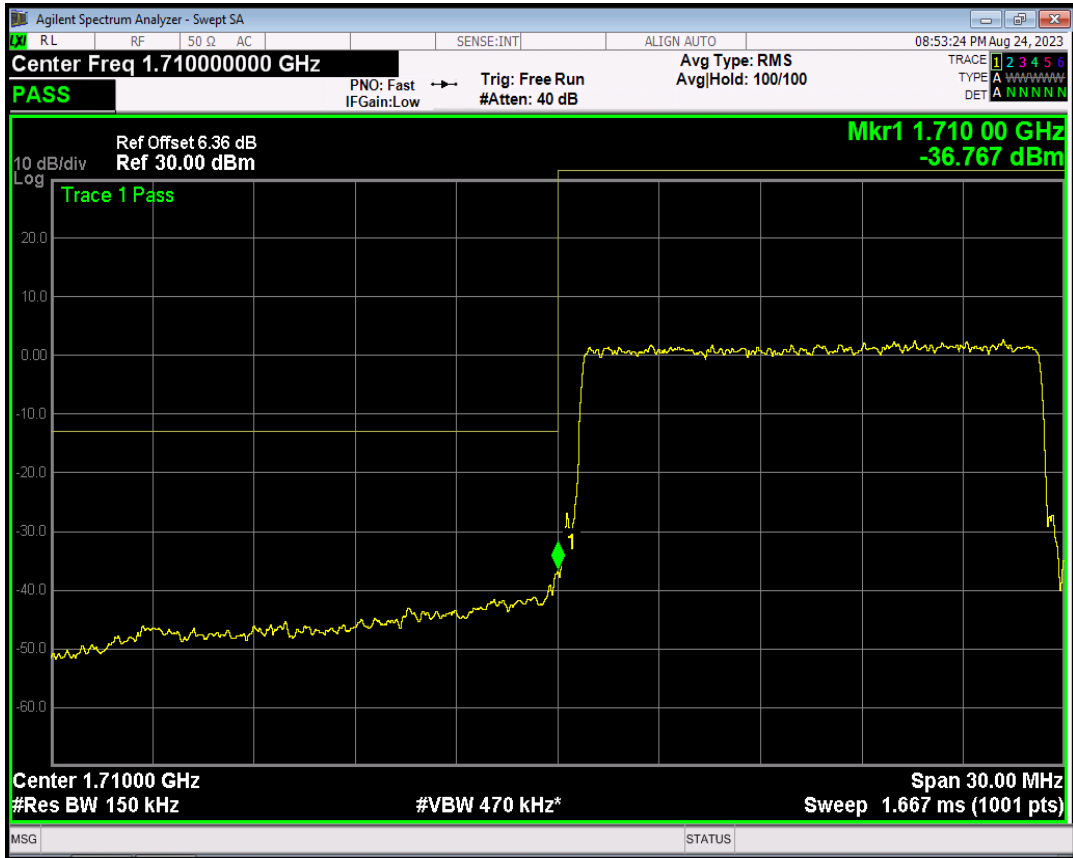
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



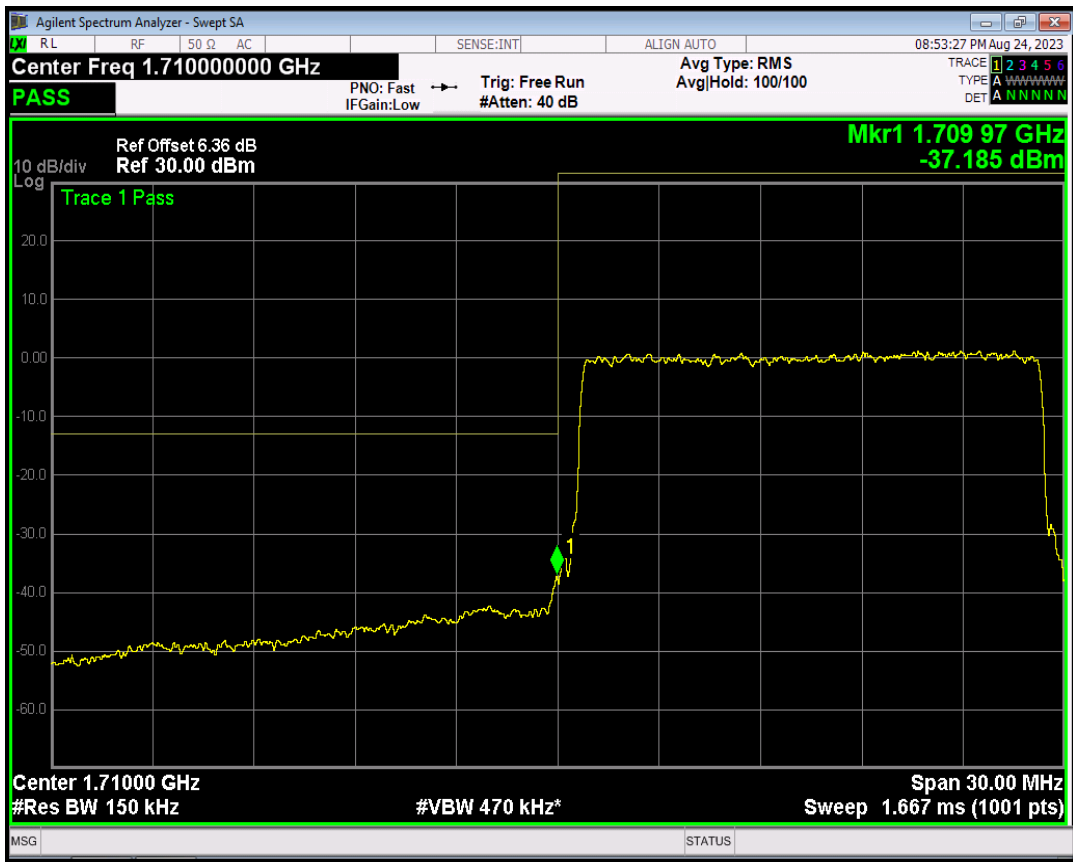
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



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



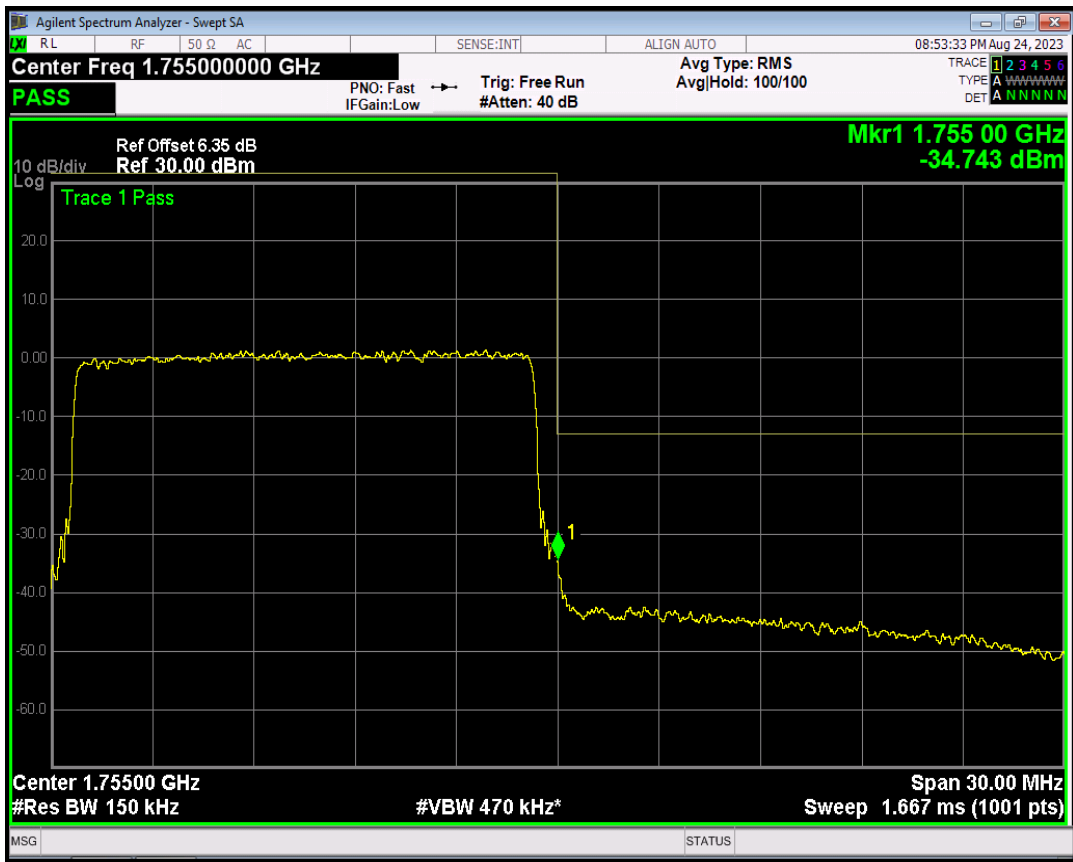
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



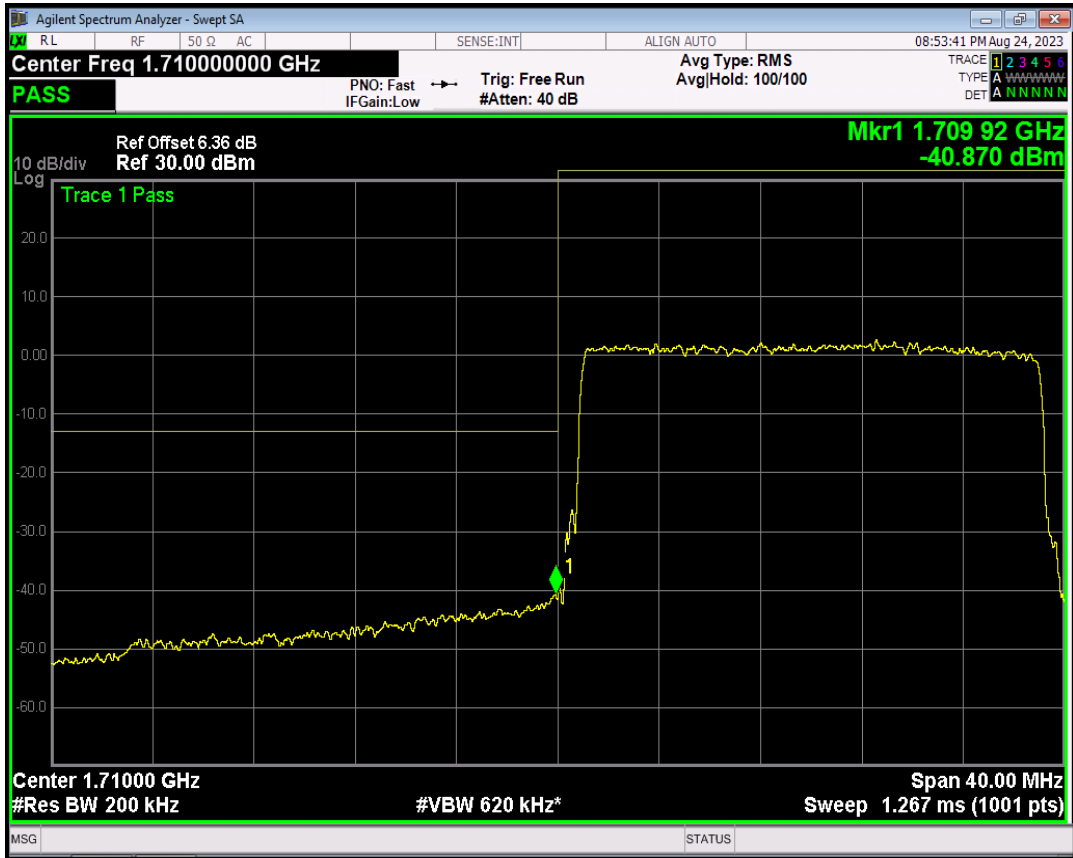
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



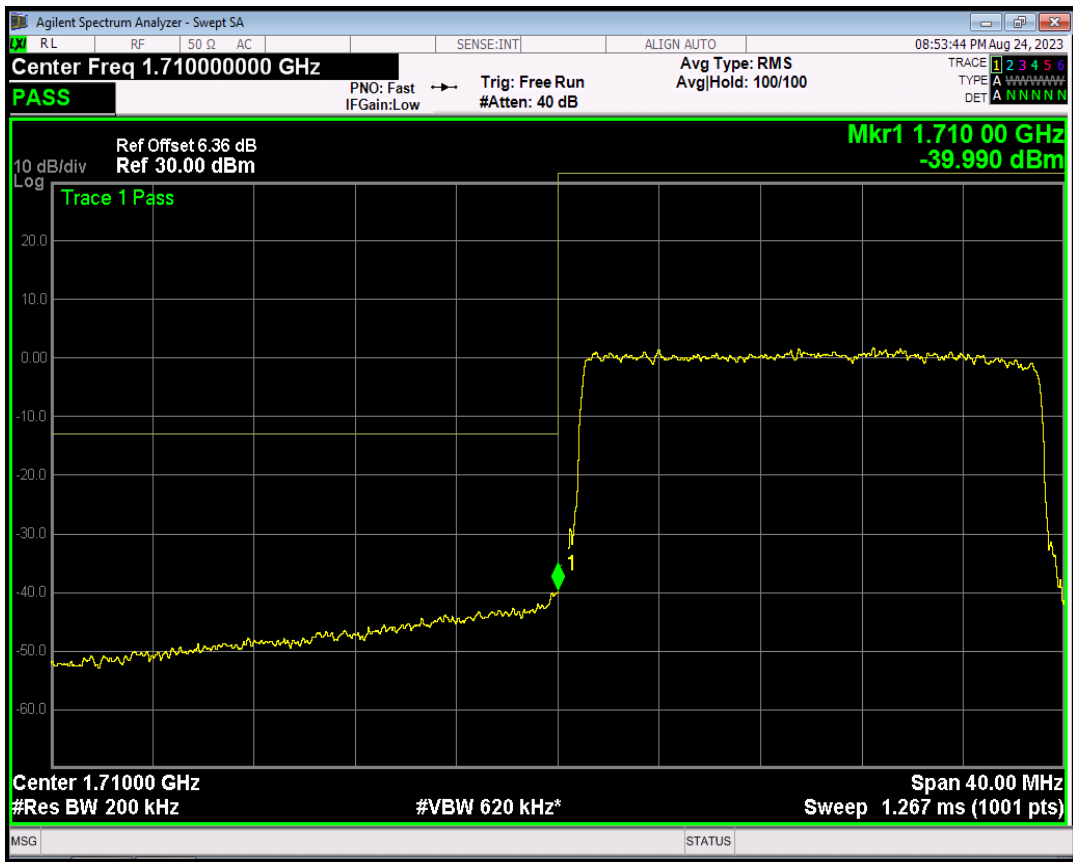
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



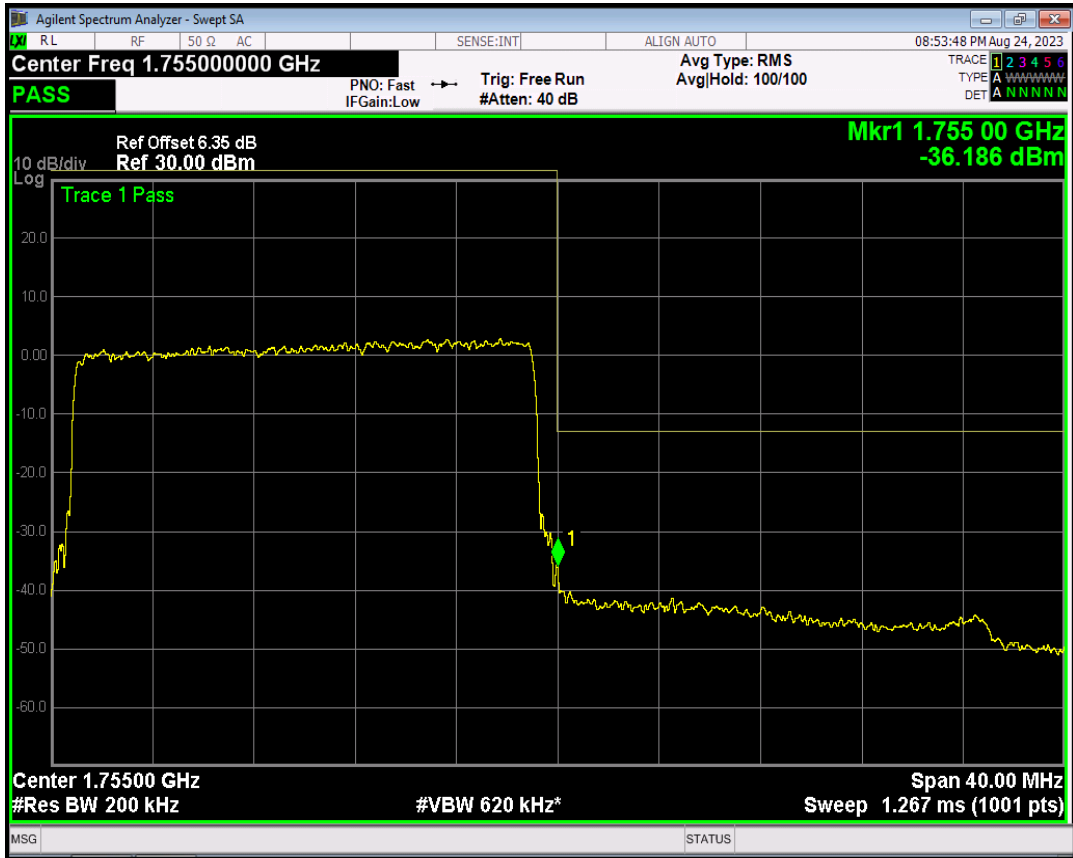
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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



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



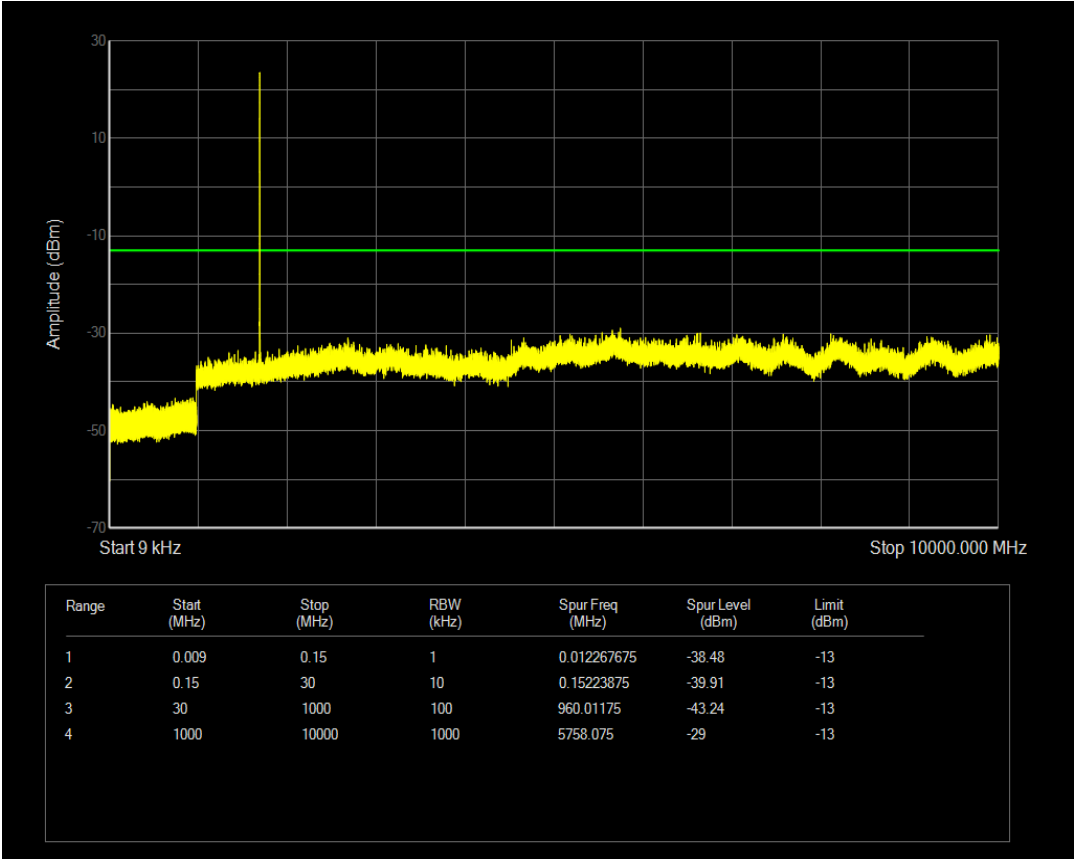
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



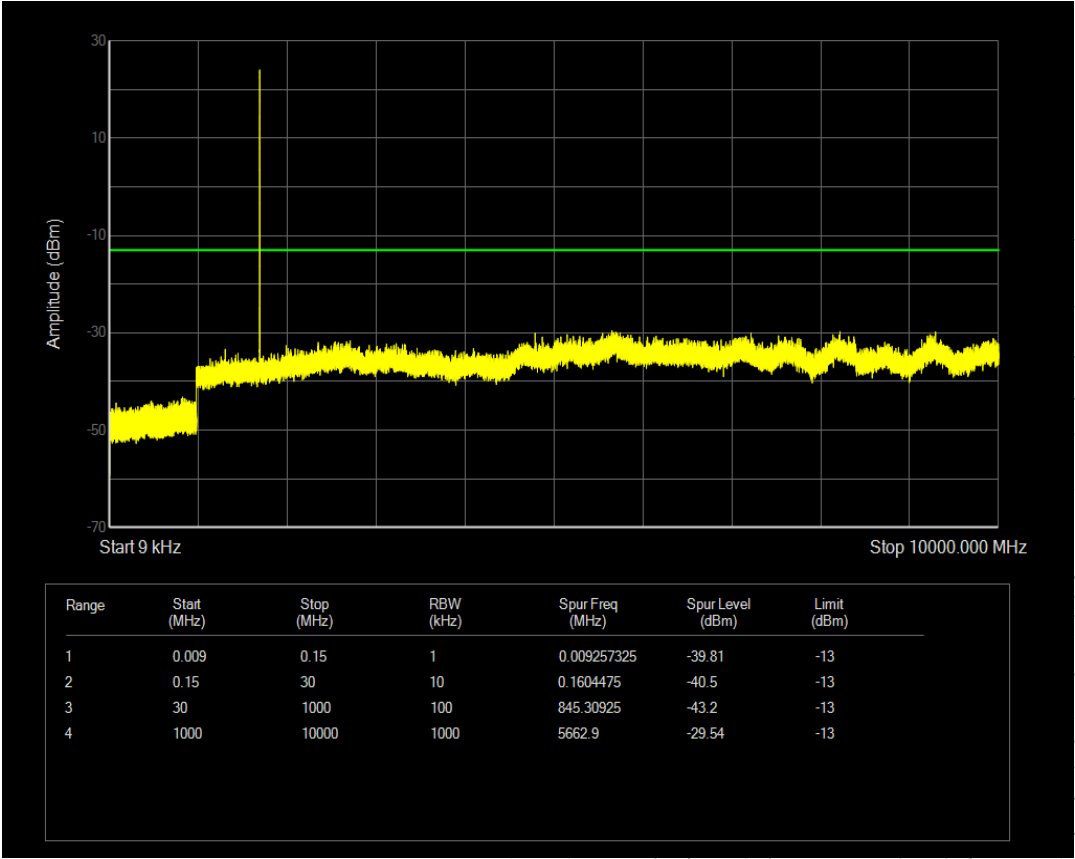
Appendix 6. Out-of-band emissions

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	5758.08	-29.00	-13	PASS
Band4	1.4	19957	6	#0	16QAM	5662.90	-29.54	-13	PASS
Band4	1.4	20175	6	#0	QPSK	5700.25	-28.45	-13	PASS
Band4	1.4	20175	6	#0	16QAM	9269.65	-29.43	-13	PASS
Band4	1.4	20393	6	#0	QPSK	5693.95	-28.83	-13	PASS
Band4	1.4	20393	6	#0	16QAM	5656.83	-28.80	-13	PASS
Band4	3	19965	15	#0	QPSK	7169.28	-29.47	-13	PASS
Band4	3	19965	15	#0	16QAM	8222.95	-28.97	-13	PASS
Band4	3	20175	15	#0	QPSK	5702.50	-29.18	-13	PASS
Band4	3	20175	15	#0	16QAM	5710.83	-28.66	-13	PASS
Band4	3	20385	15	#0	QPSK	5152.15	-28.54	-13	PASS
Band4	3	20385	15	#0	16QAM	5682.03	-29.27	-13	PASS
Band4	5	19975	25	#0	QPSK	5652.55	-28.75	-13	PASS
Band4	5	19975	25	#0	16QAM	5678.88	-29.27	-13	PASS
Band4	5	20175	25	#0	QPSK	8182.00	-28.81	-13	PASS
Band4	5	20175	25	#0	16QAM	5666.95	-29.14	-13	PASS
Band4	5	20375	25	#0	QPSK	5635.00	-27.05	-13	PASS
Band4	5	20375	25	#0	16QAM	5692.60	-28.60	-13	PASS
Band4	10	20000	50	#0	QPSK	5686.30	-27.66	-13	PASS
Band4	10	20000	50	#0	16QAM	8211.25	-28.61	-13	PASS
Band4	10	20175	50	#0	QPSK	5941.90	-29.21	-13	PASS
Band4	10	20175	50	#0	16QAM	5653.90	-29.20	-13	PASS
Band4	10	20350	50	#0	QPSK	5632.98	-29.01	-13	PASS
Band4	10	20350	50	#0	16QAM	5697.55	-28.68	-13	PASS
Band4	15	20025	75	#0	QPSK	5574.25	-29.21	-13	PASS
Band4	15	20025	75	#0	16QAM	5572.23	-27.49	-13	PASS
Band4	15	20175	75	#0	QPSK	5691.03	-28.84	-13	PASS
Band4	15	20175	75	#0	16QAM	5716.45	-27.72	-13	PASS
Band4	15	20325	75	#0	QPSK	5605.08	-29.01	-13	PASS
Band4	15	20325	75	#0	16QAM	5748.85	-29.07	-13	PASS
Band4	20	20050	100	#0	QPSK	5482.23	-29.17	-13	PASS
Band4	20	20050	100	#0	16QAM	7179.18	-29.15	-13	PASS
Band4	20	20175	100	#0	QPSK	5759.65	-28.97	-13	PASS
Band4	20	20175	100	#0	16QAM	5709.93	-28.97	-13	PASS
Band4	20	20300	100	#0	QPSK	7609.15	-29.40	-13	PASS
Band4	20	20300	100	#0	16QAM	5668.53	-28.53	-13	PASS

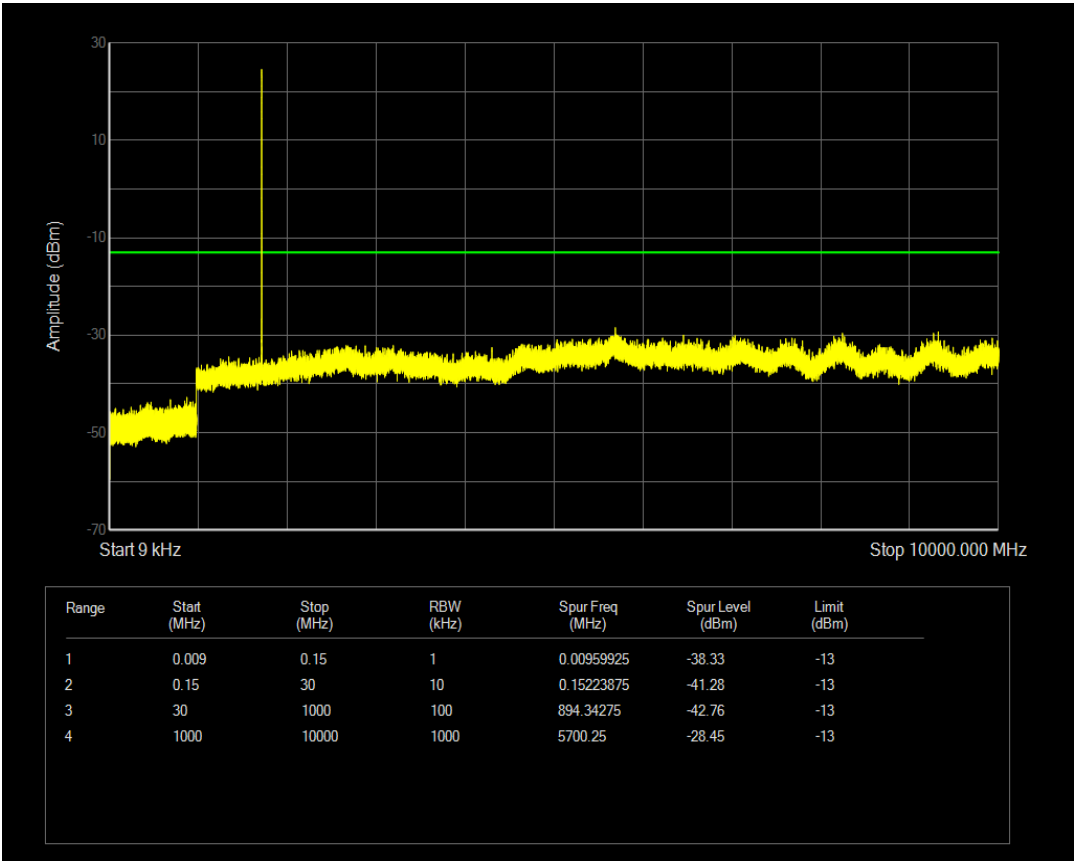
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



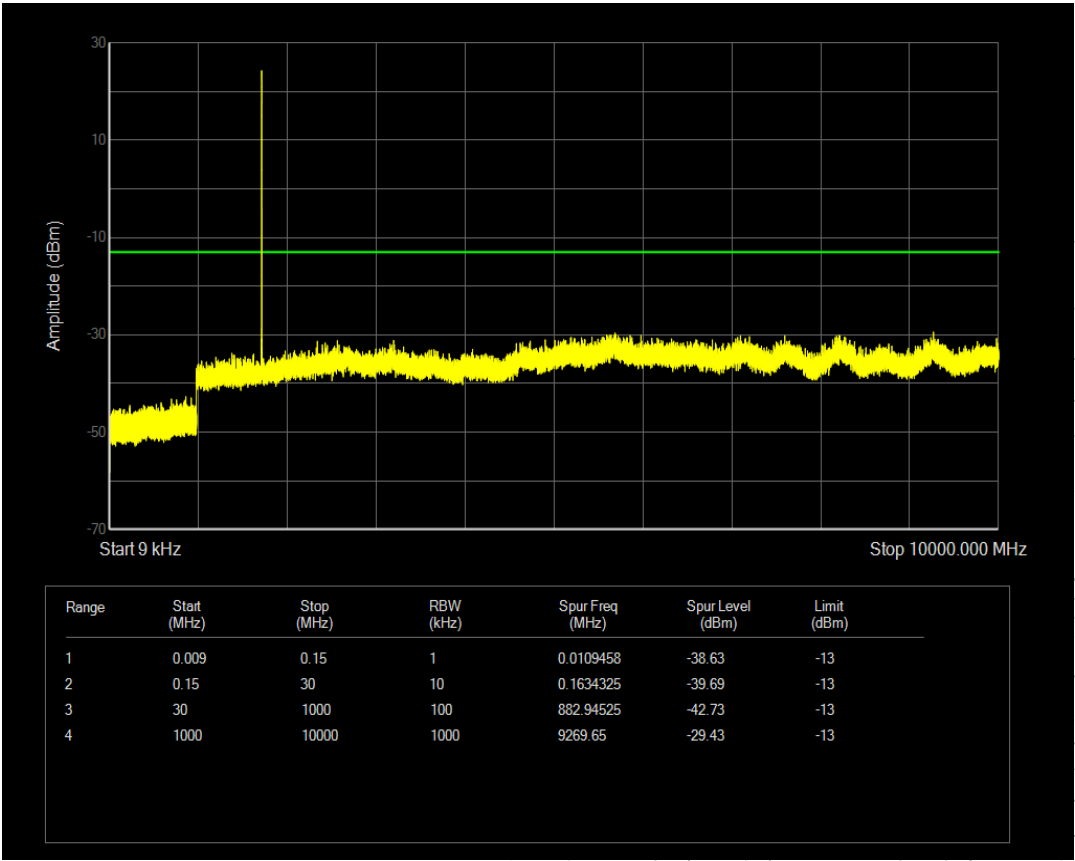
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



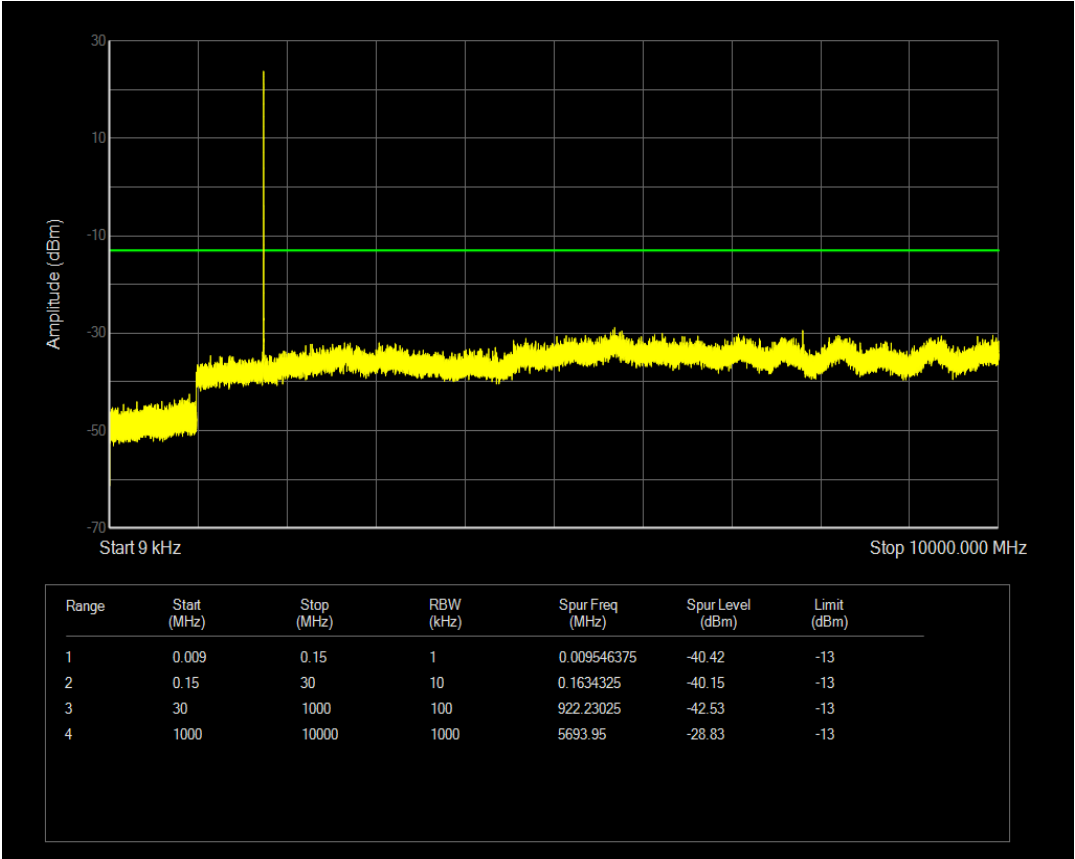
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



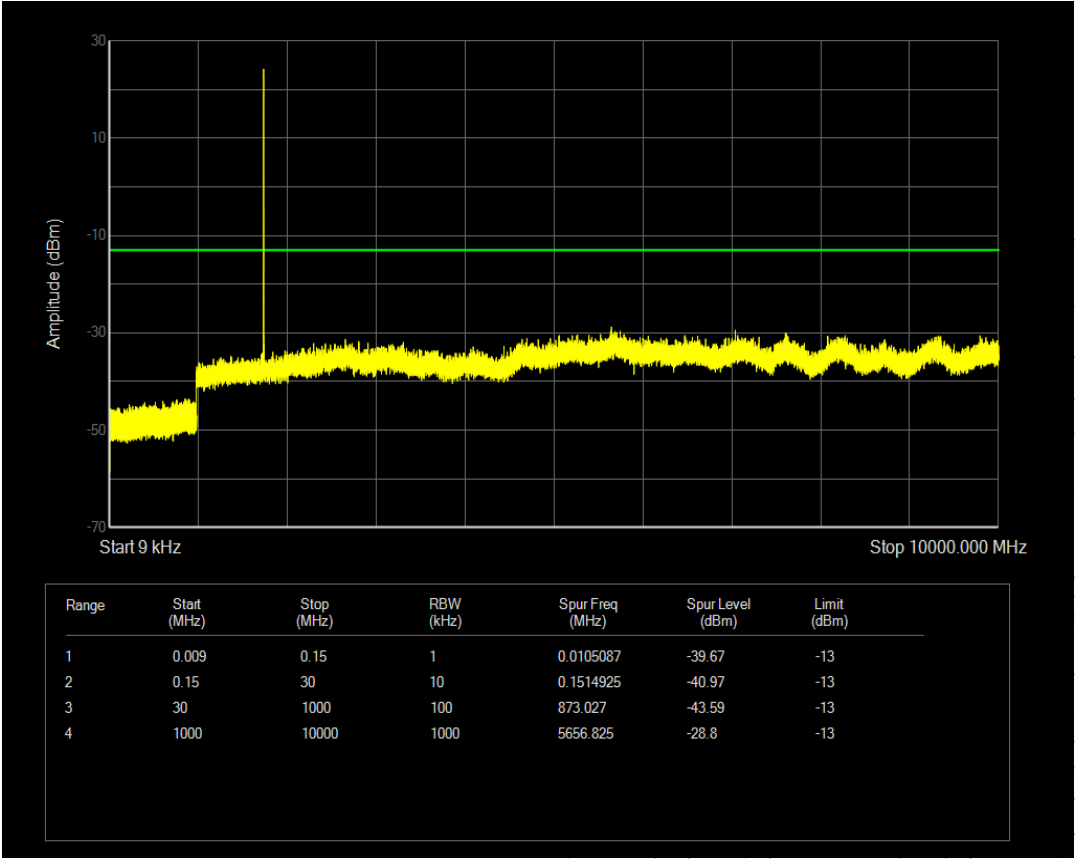
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



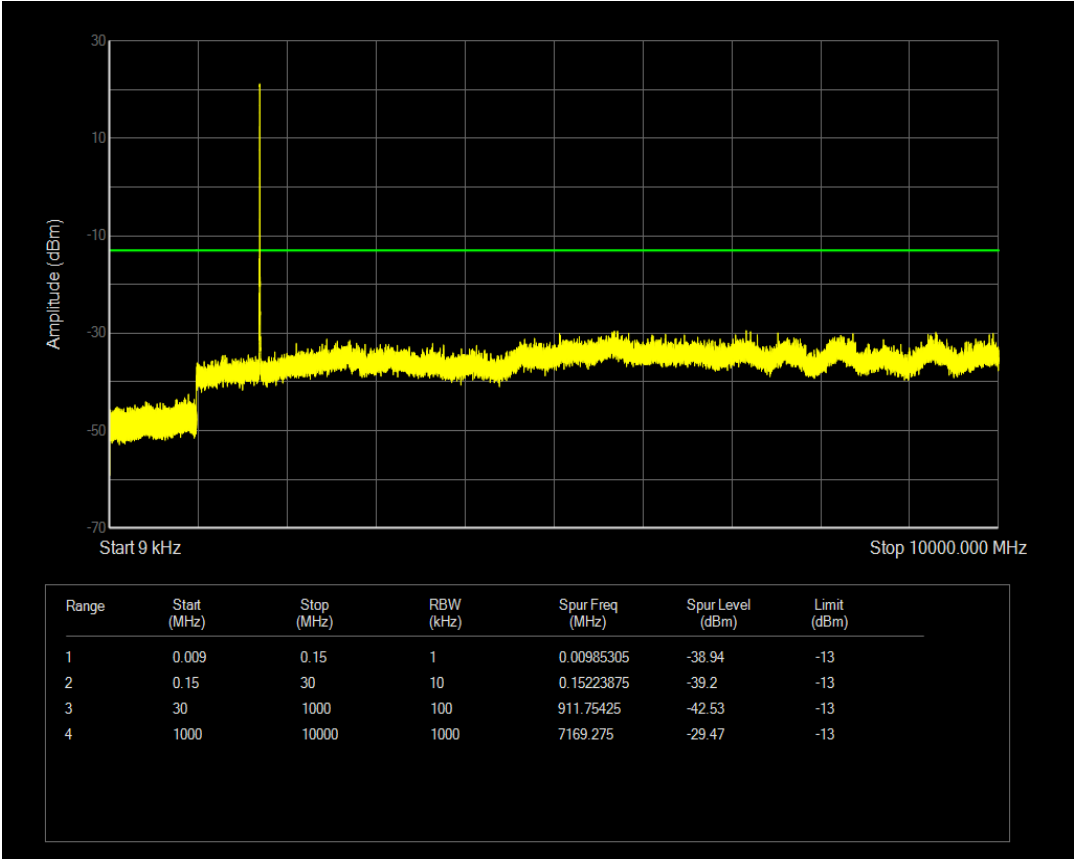
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



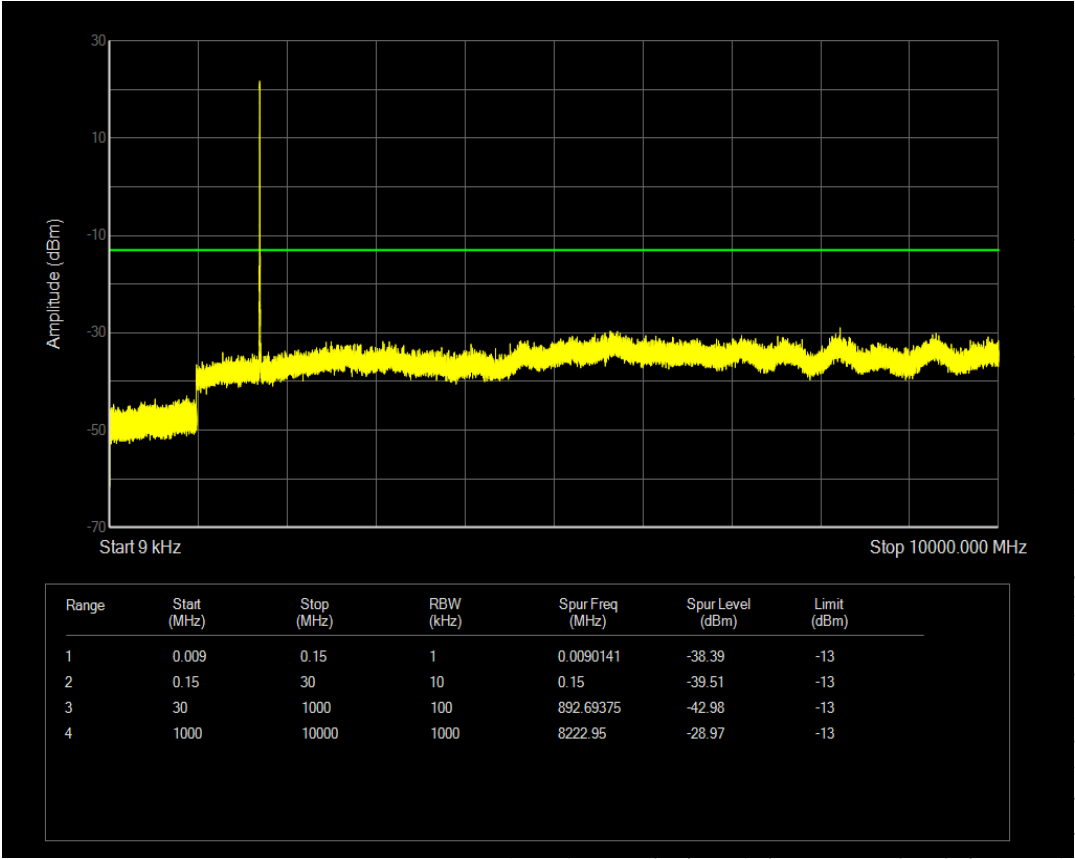
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



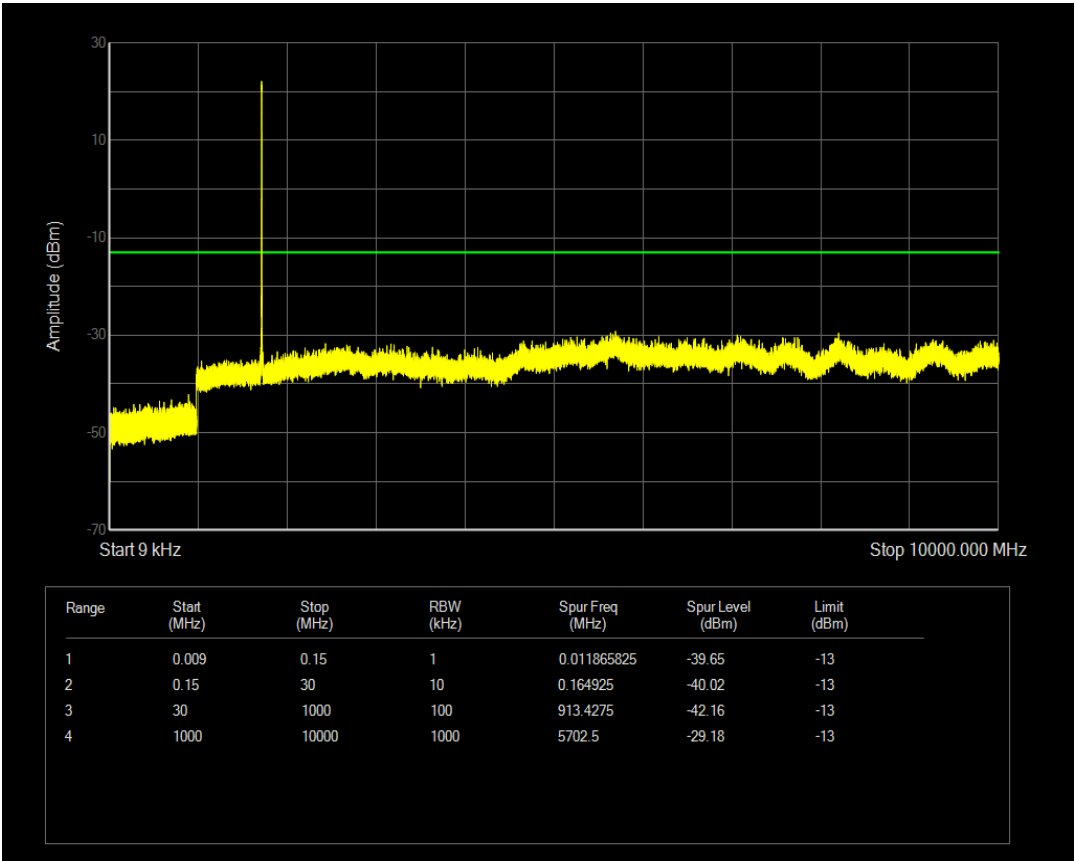
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



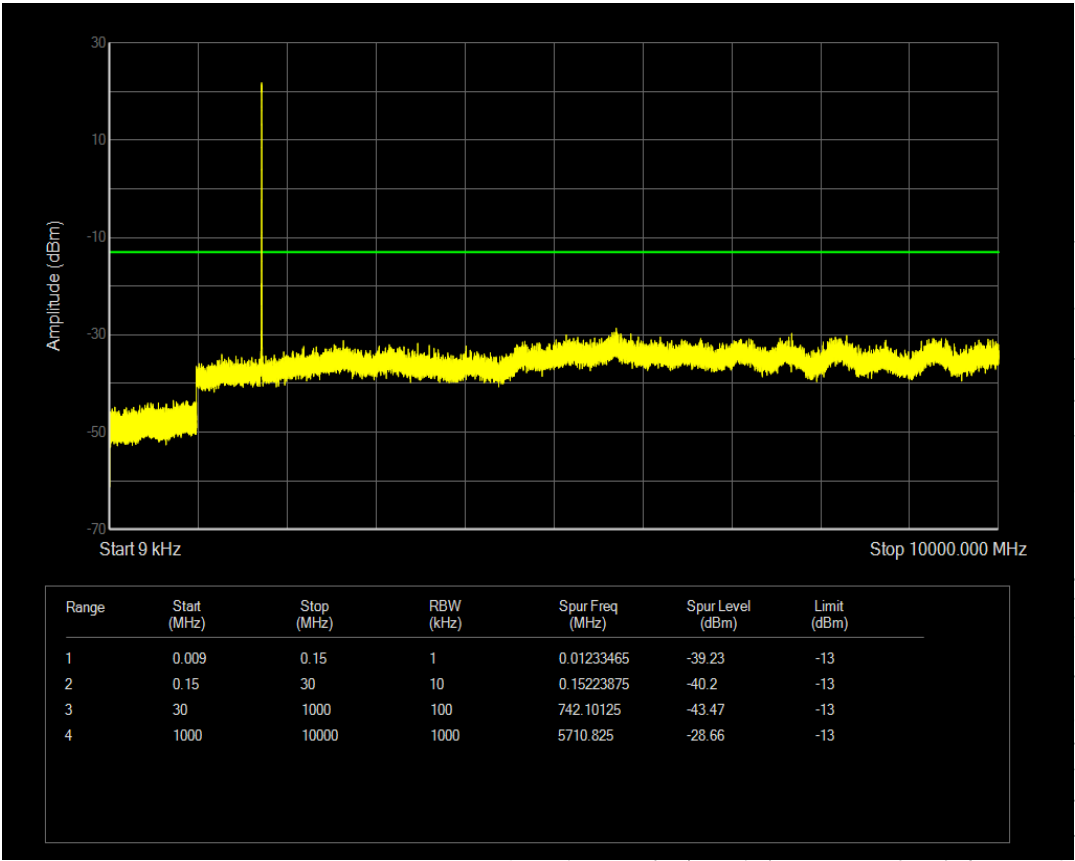
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



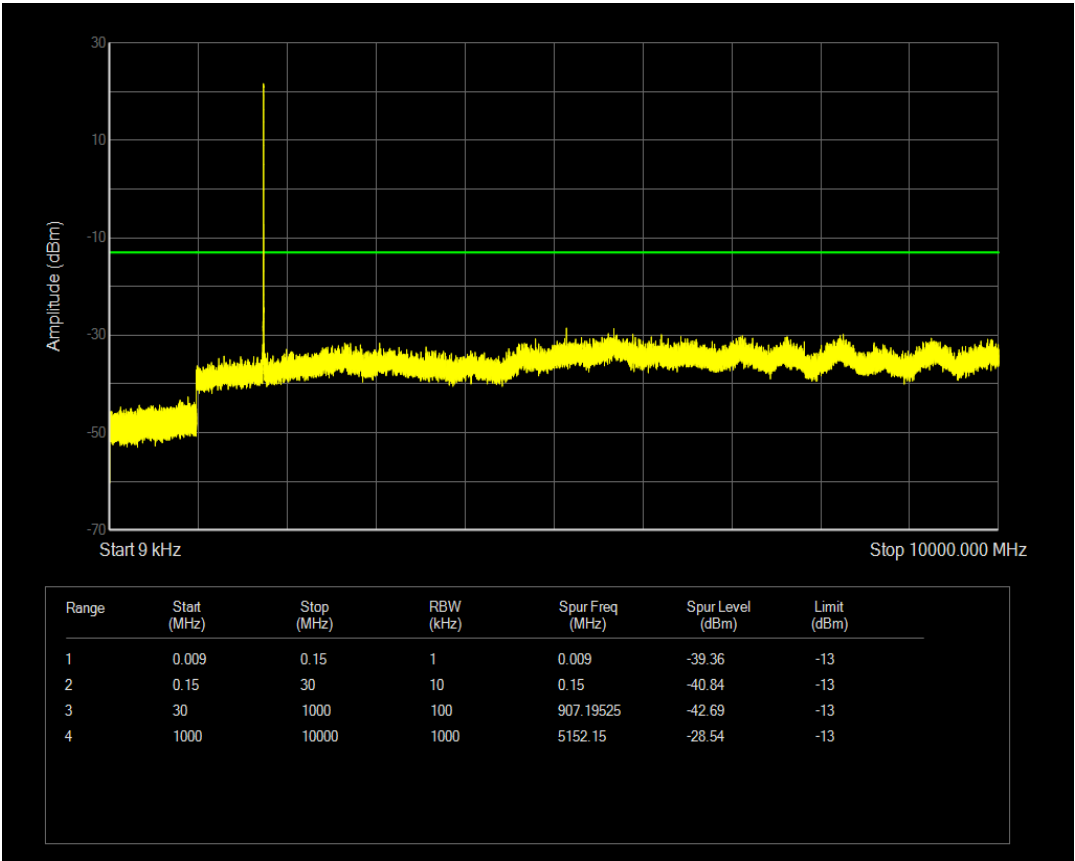
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



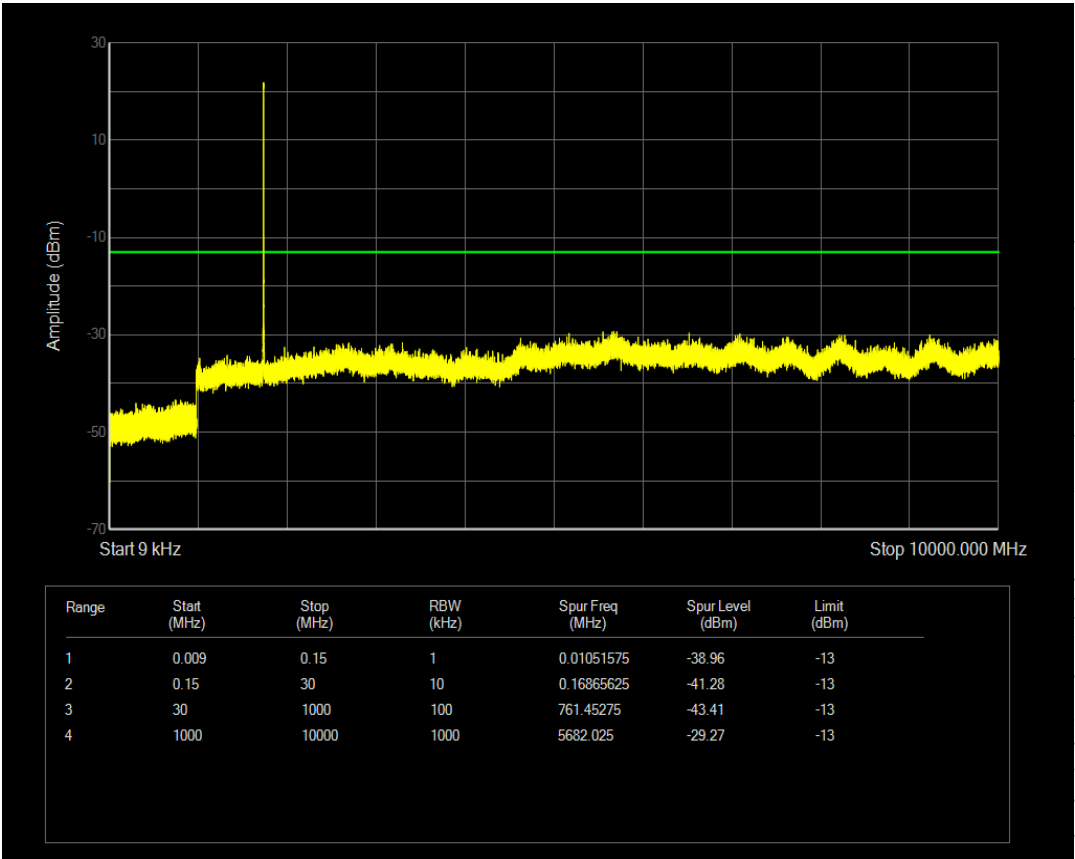
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



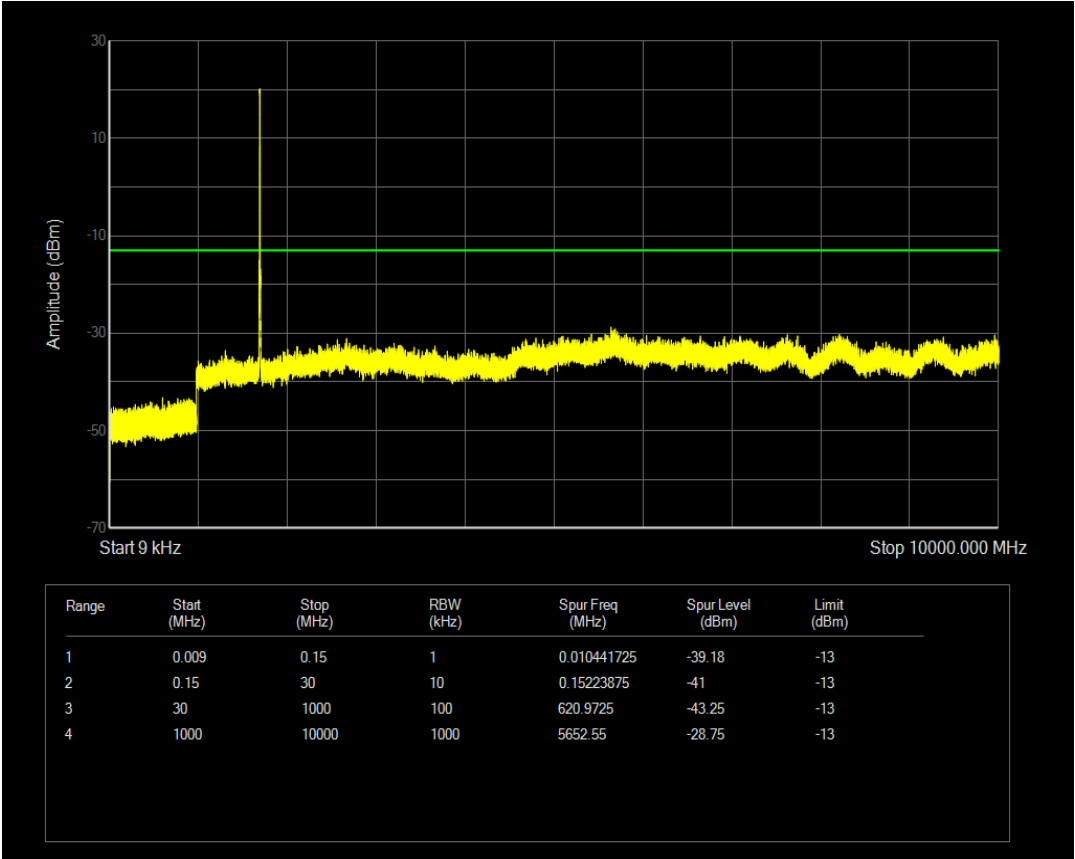
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



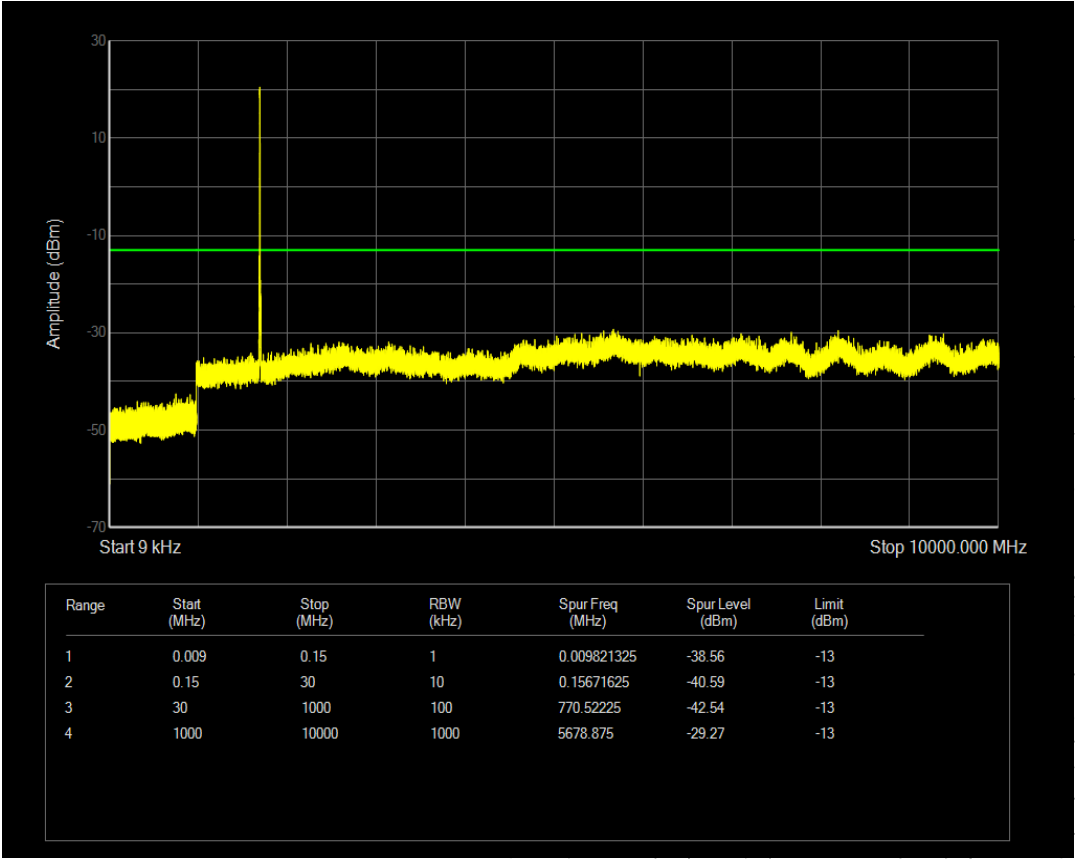
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



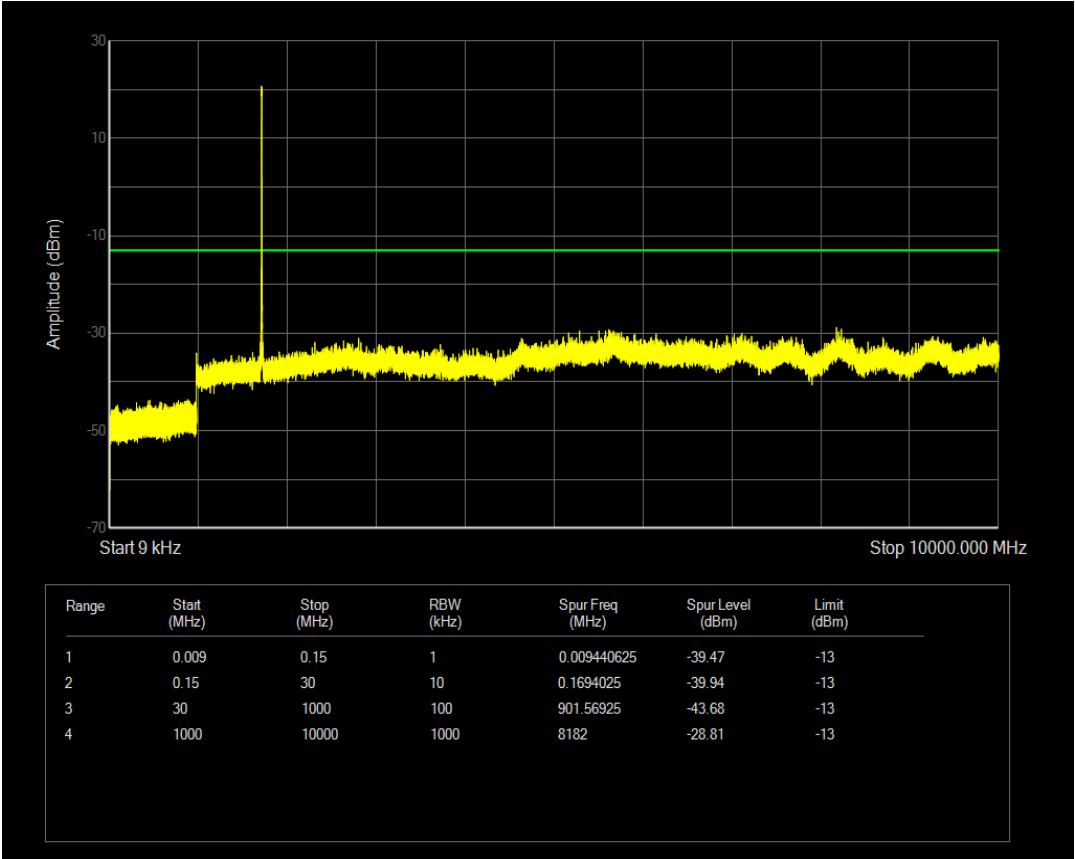
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



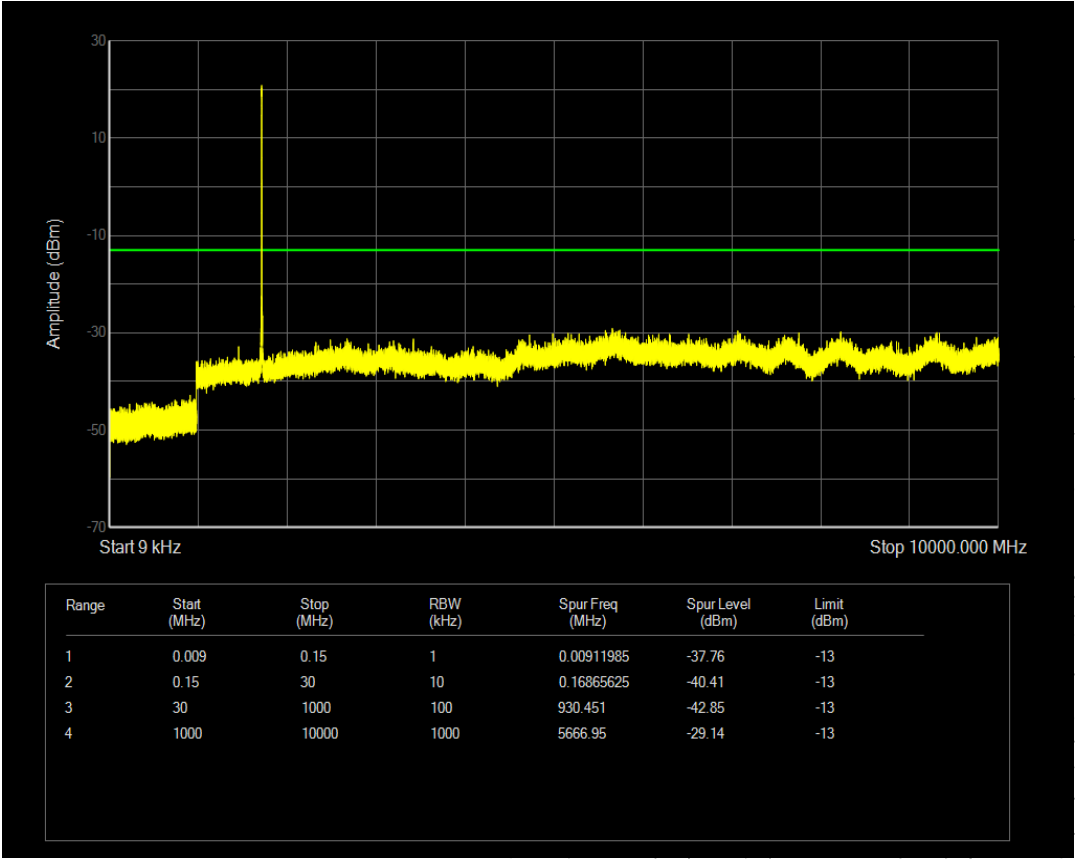
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



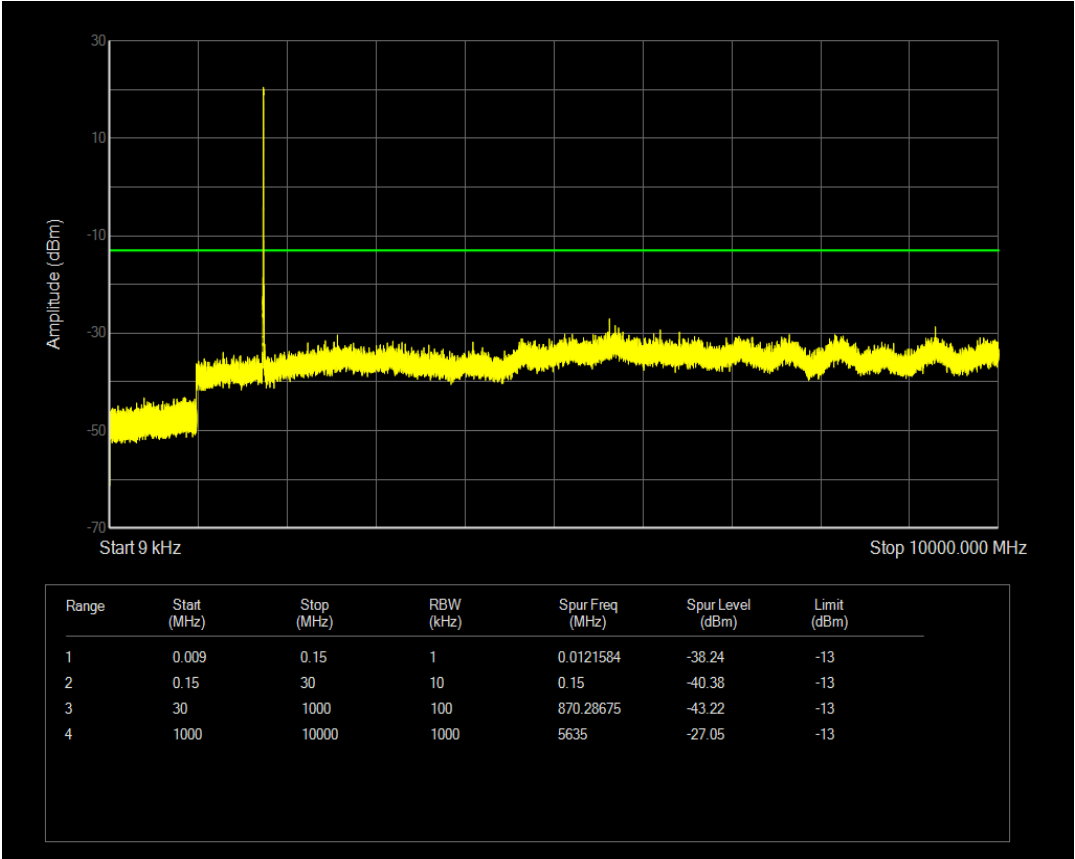
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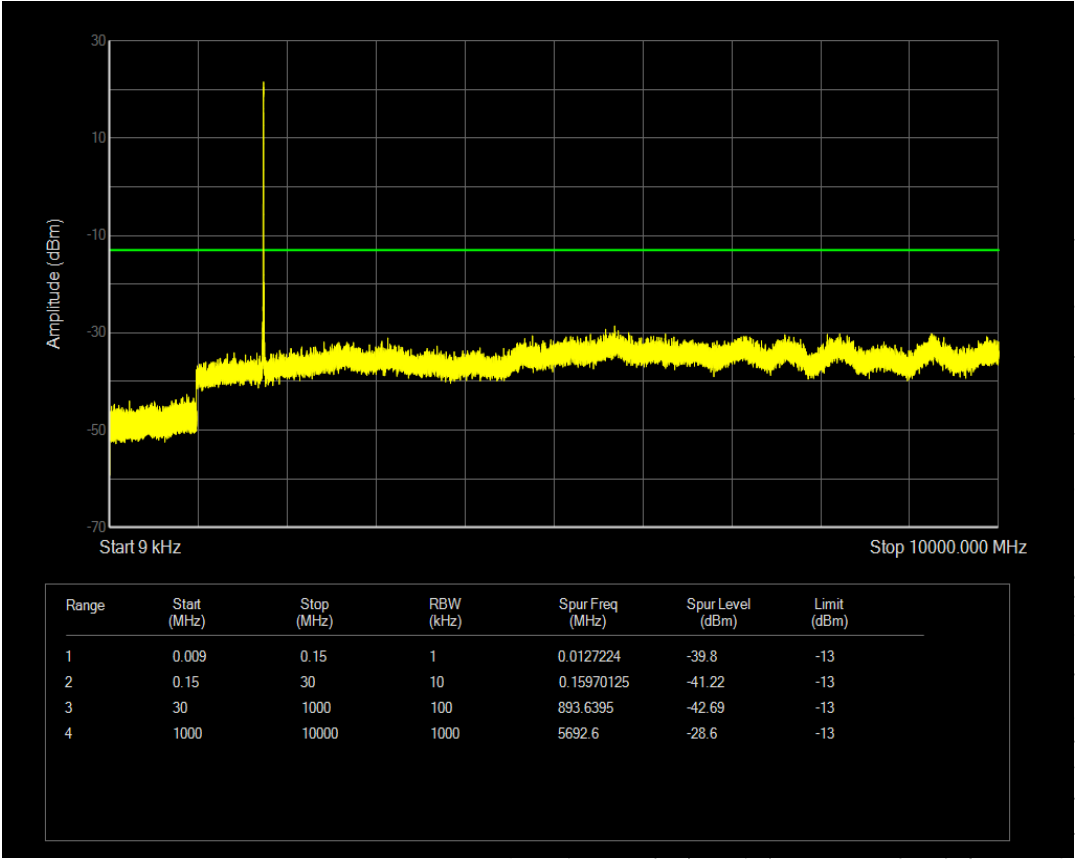
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



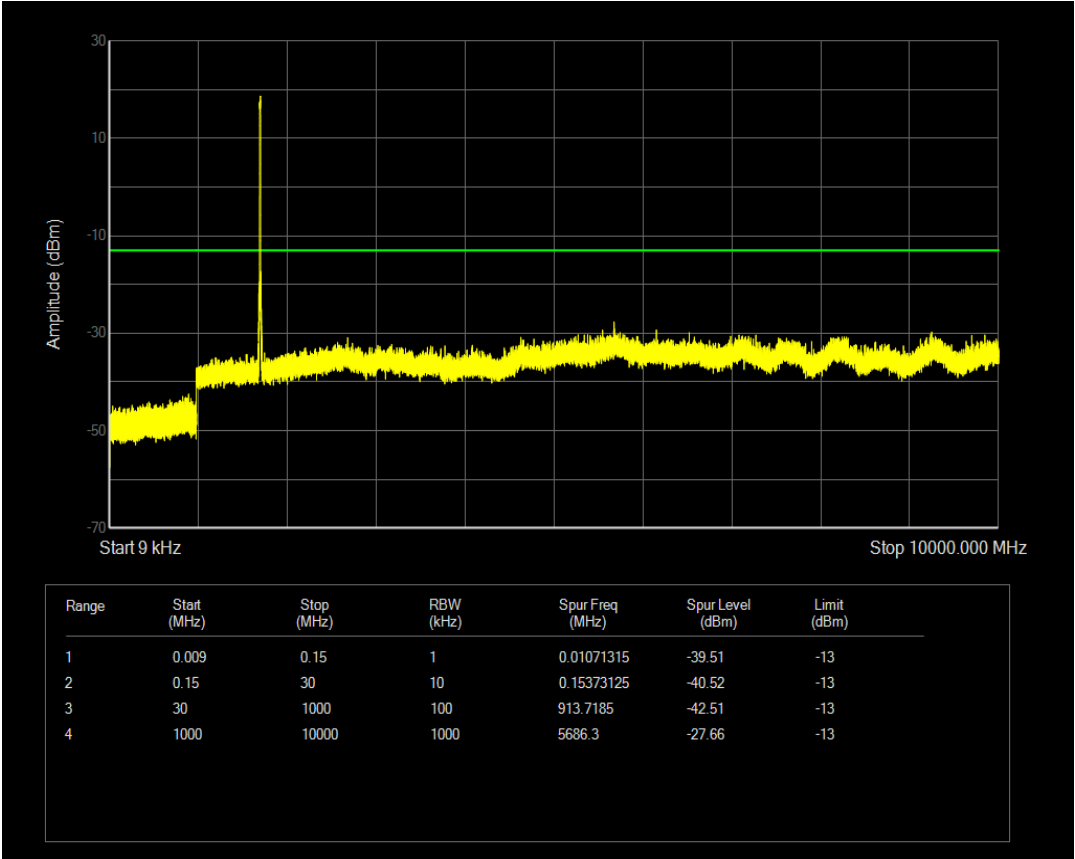
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



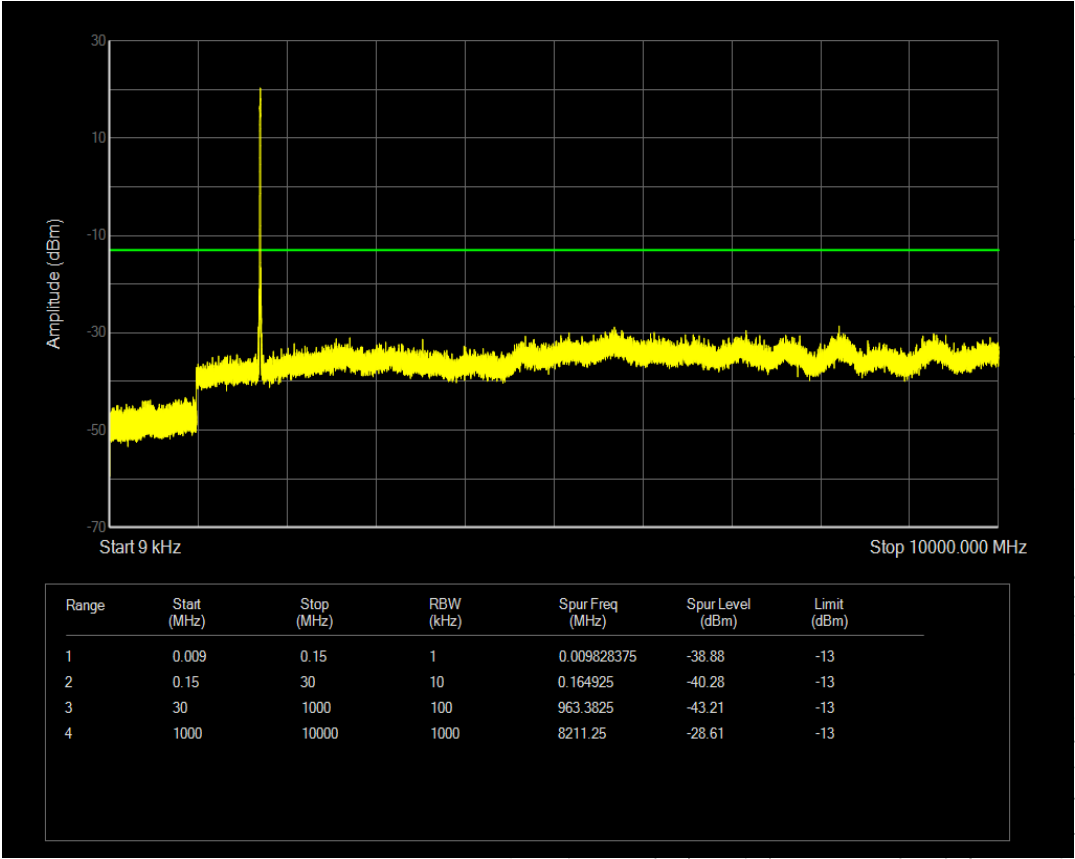
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



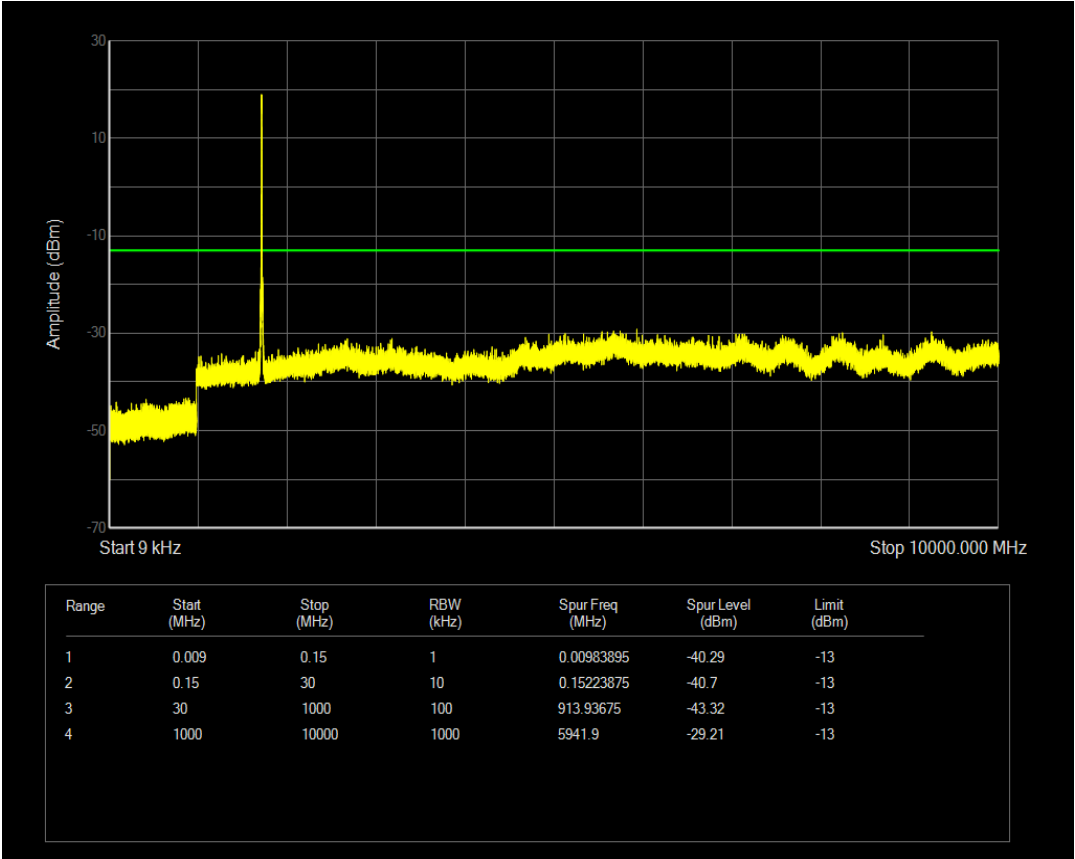
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



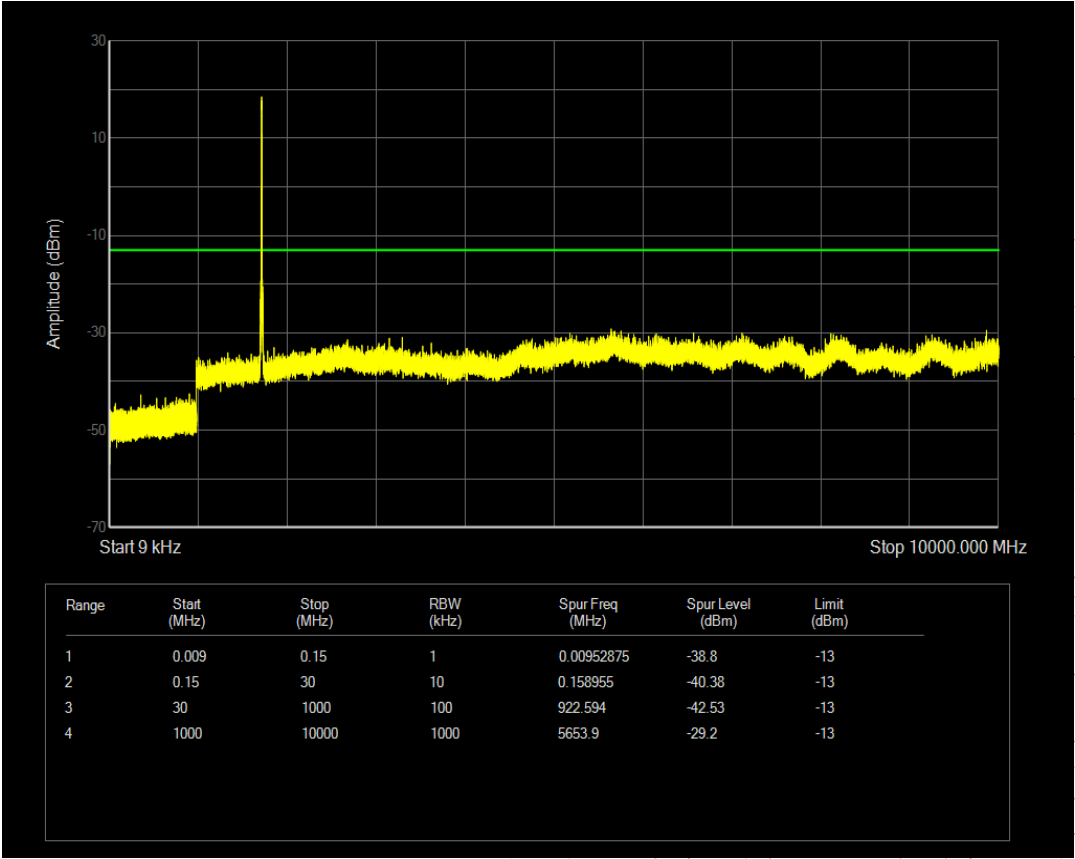
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



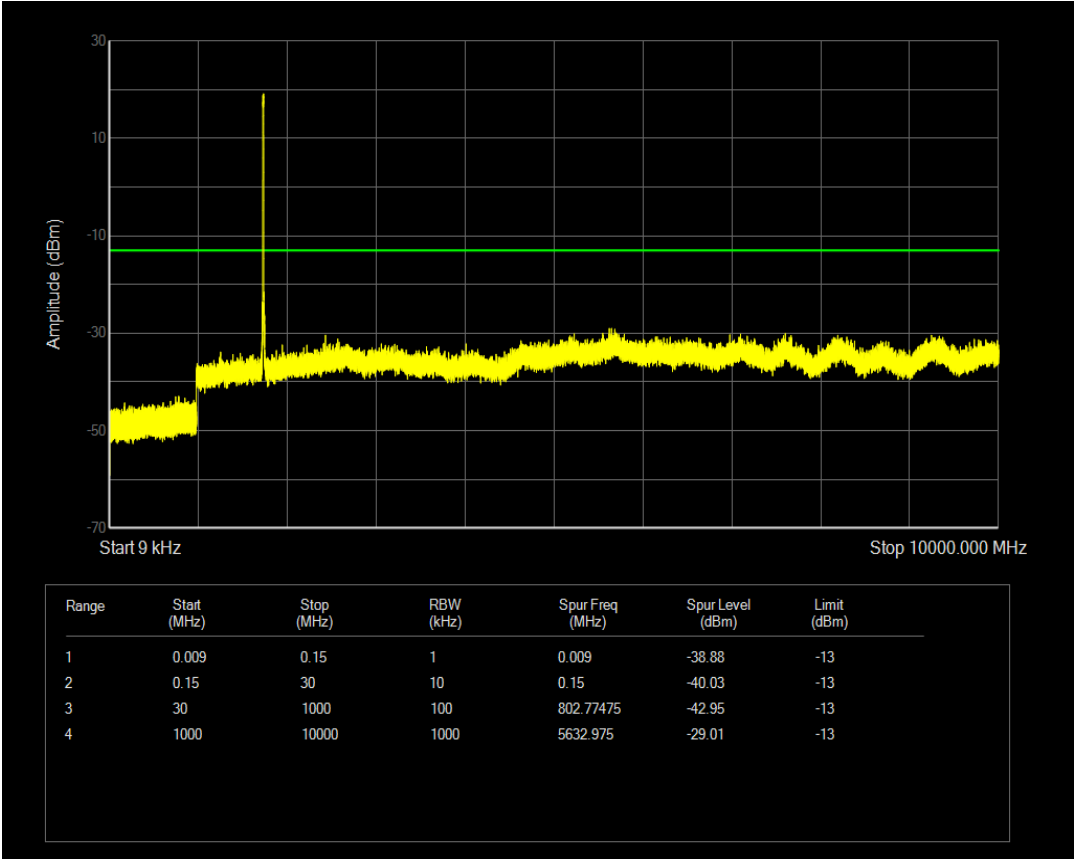
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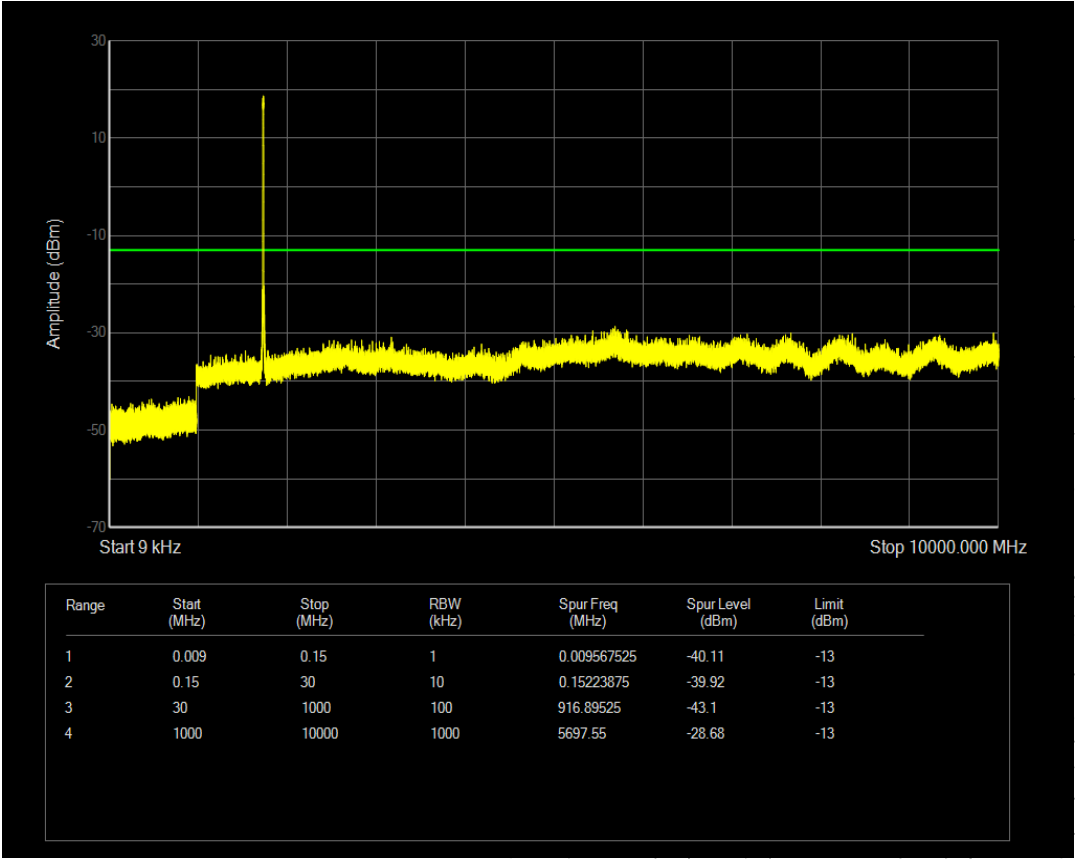
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



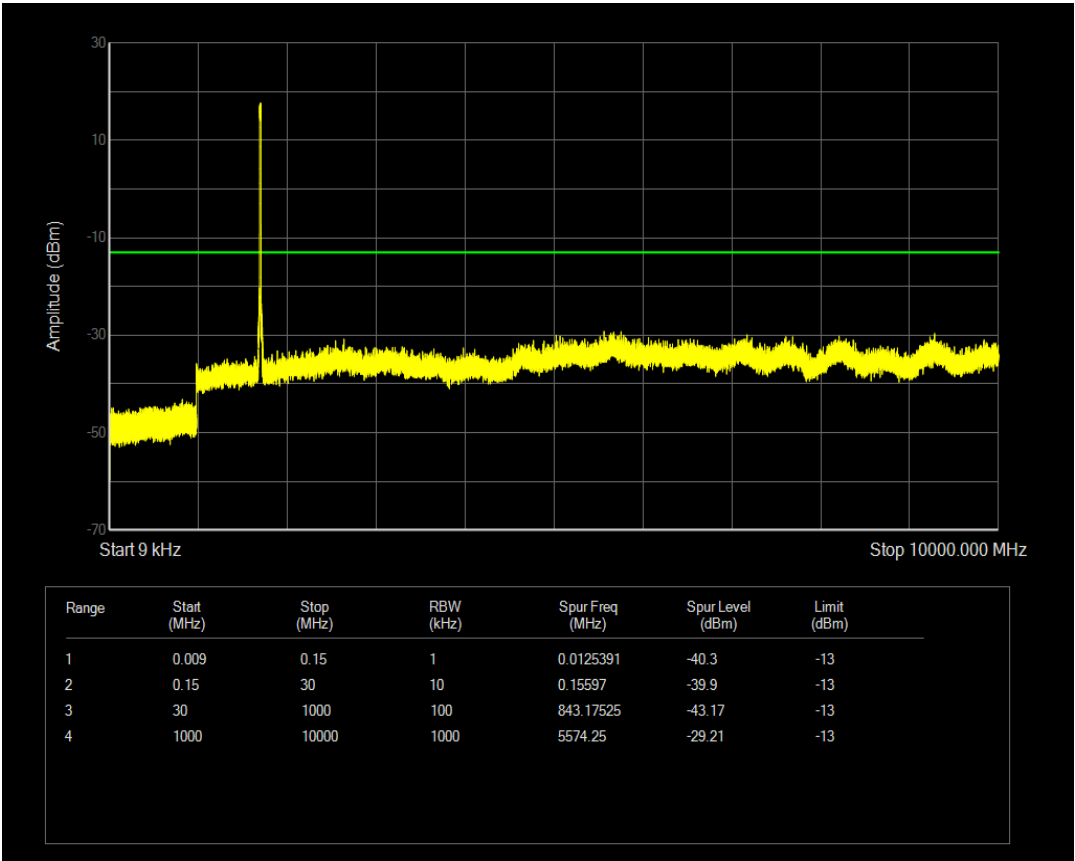
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



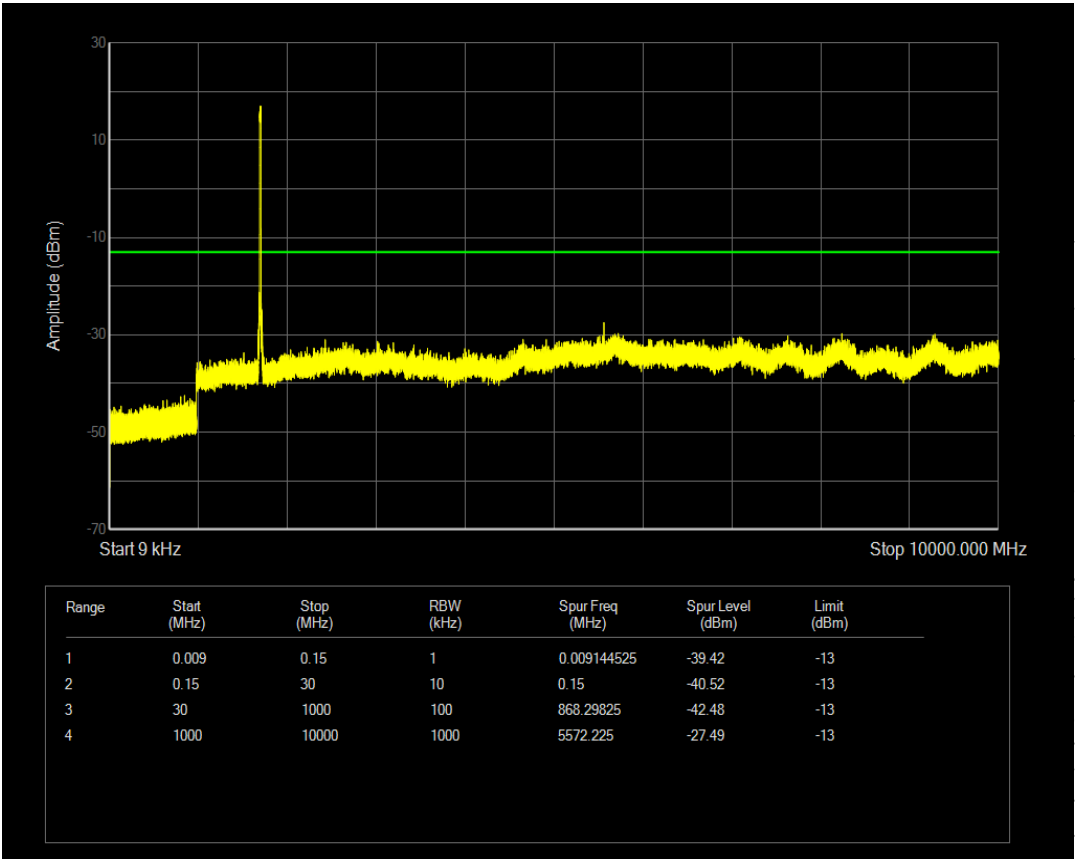
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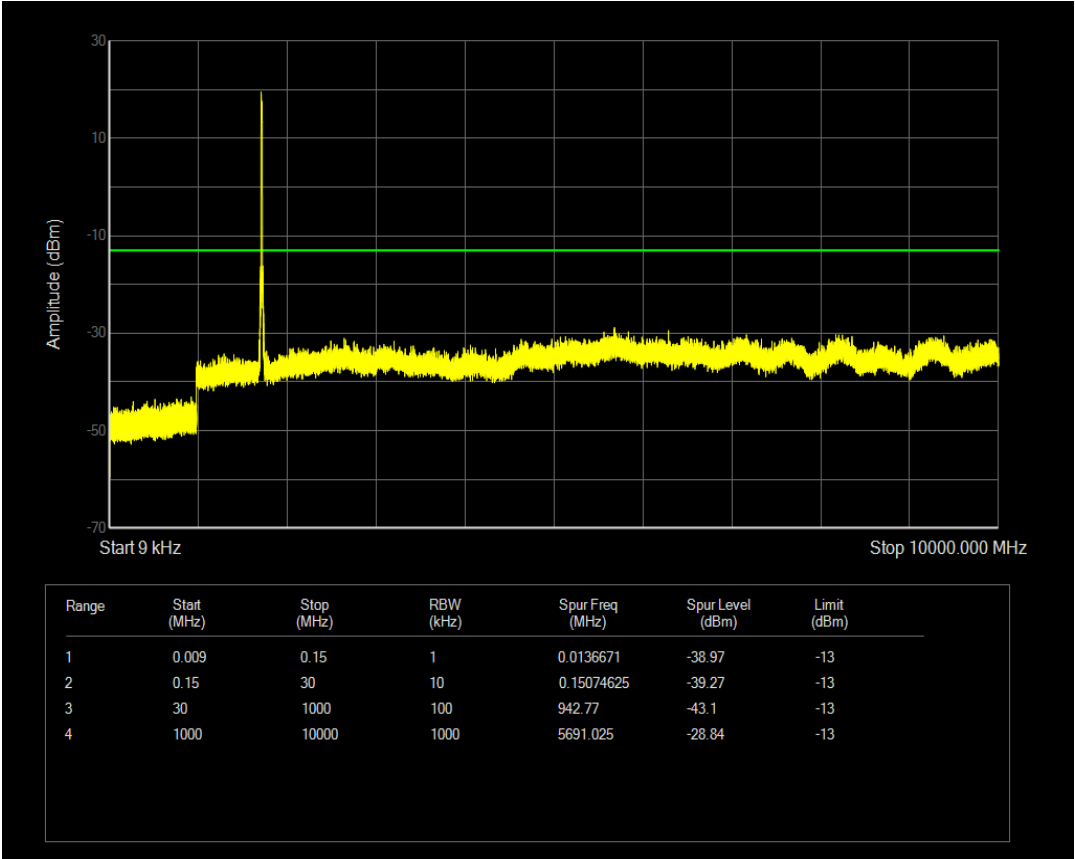
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



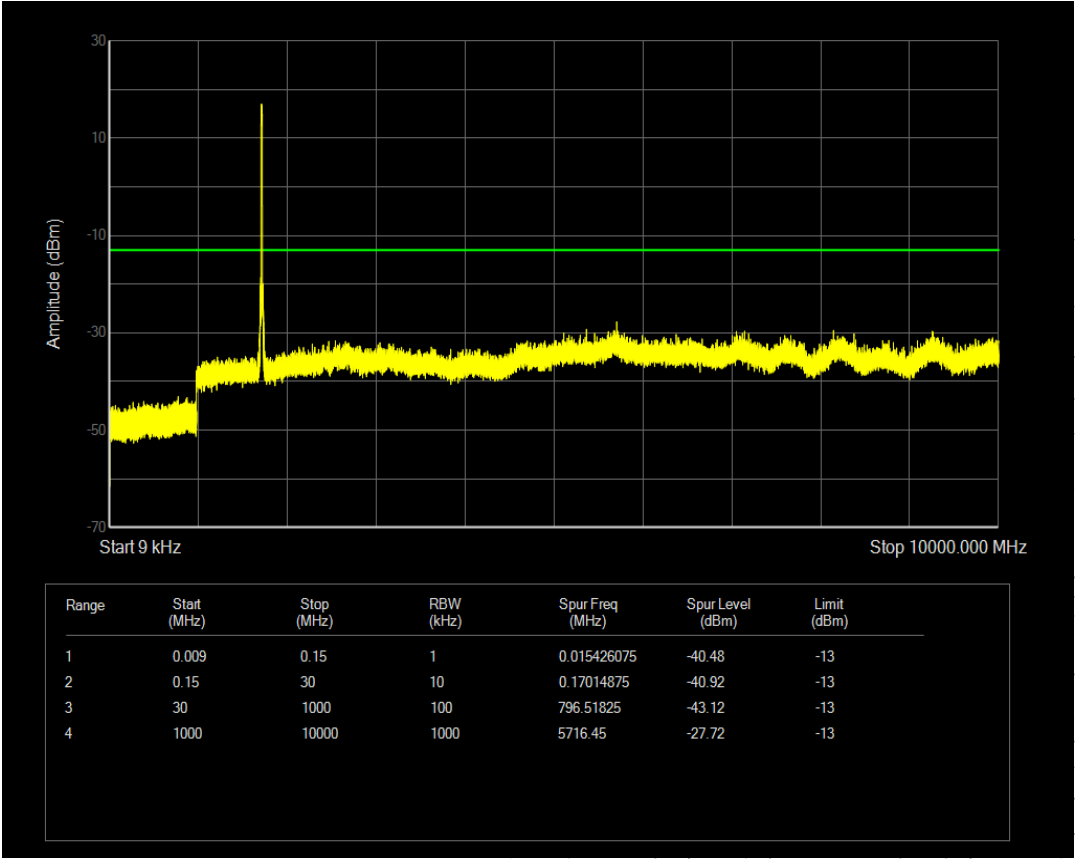
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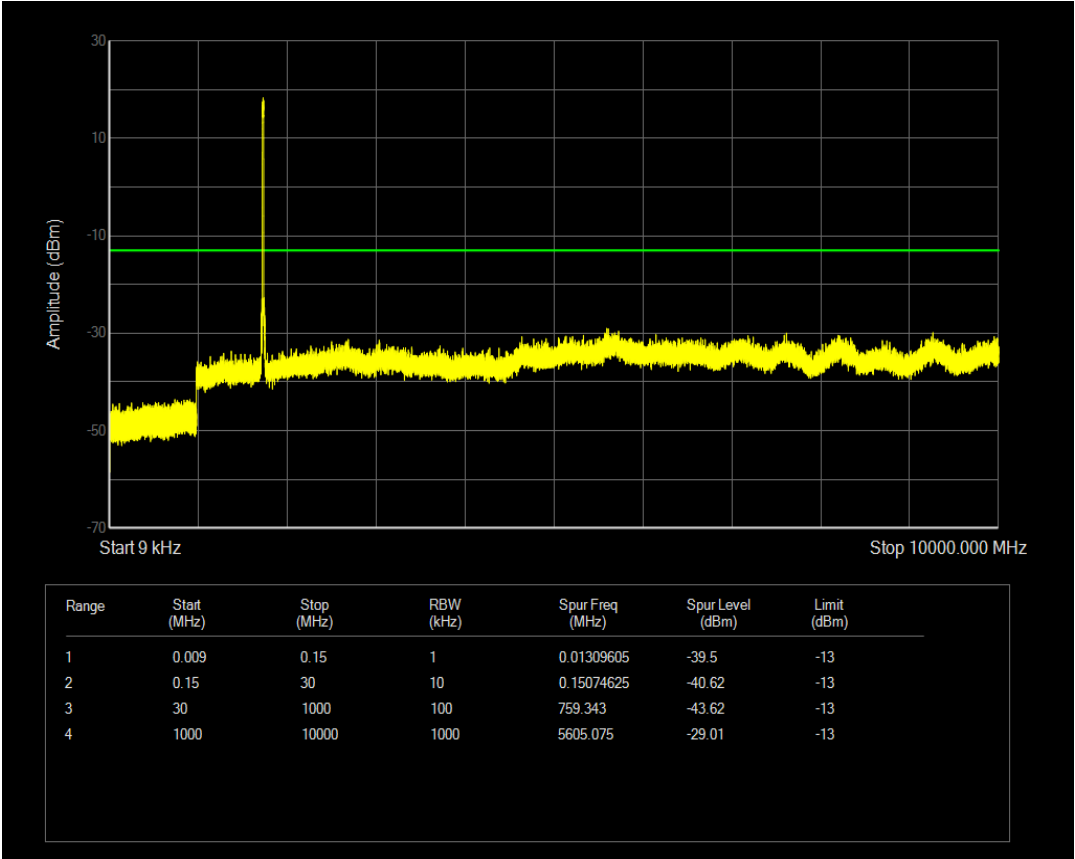
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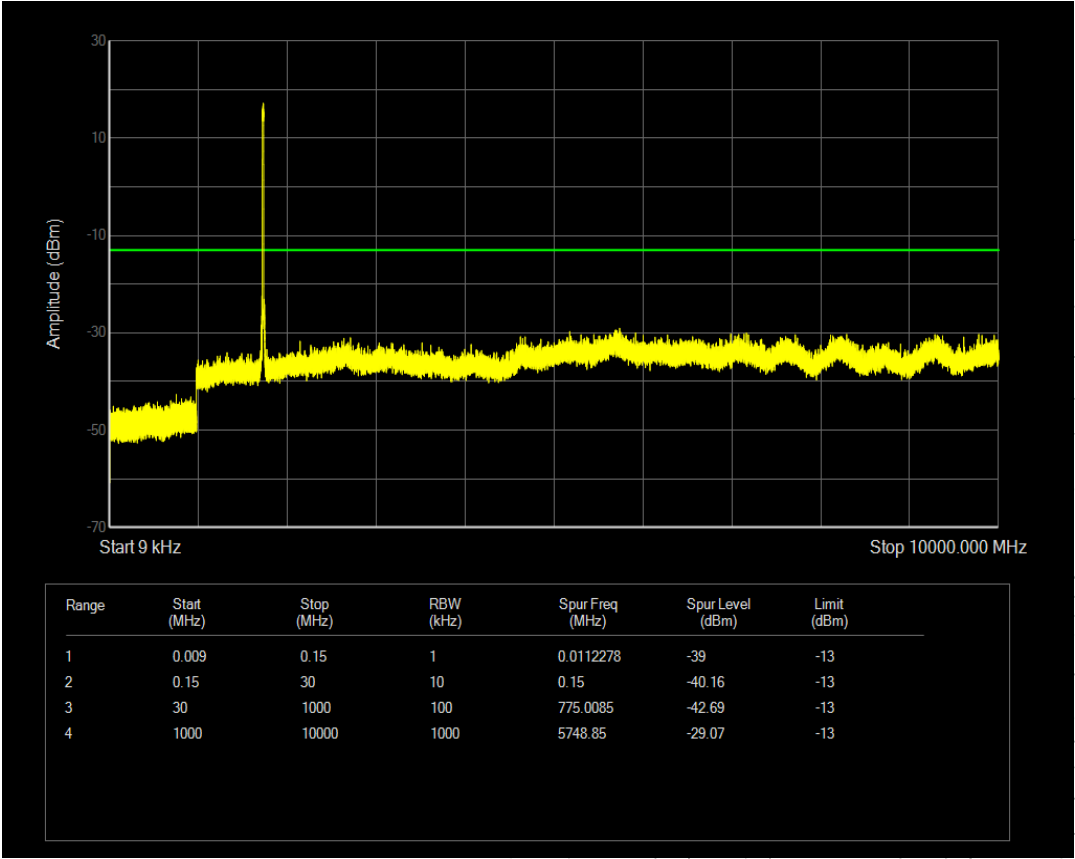
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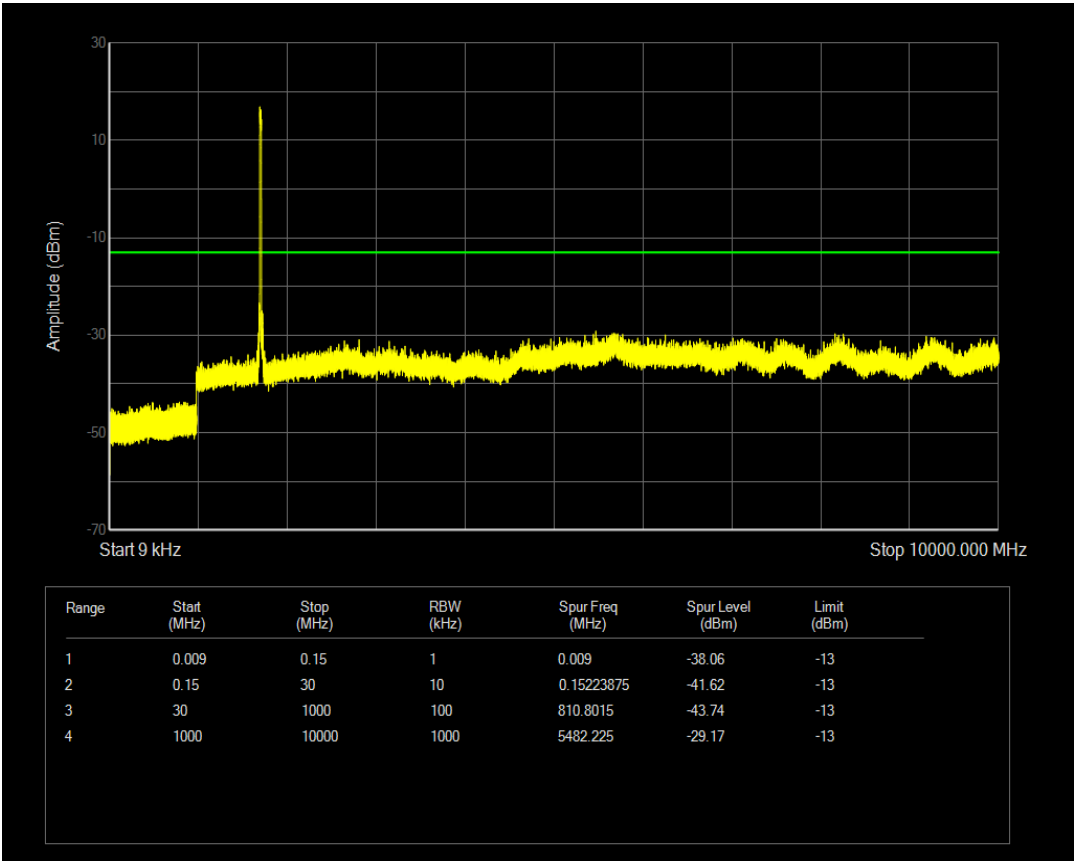
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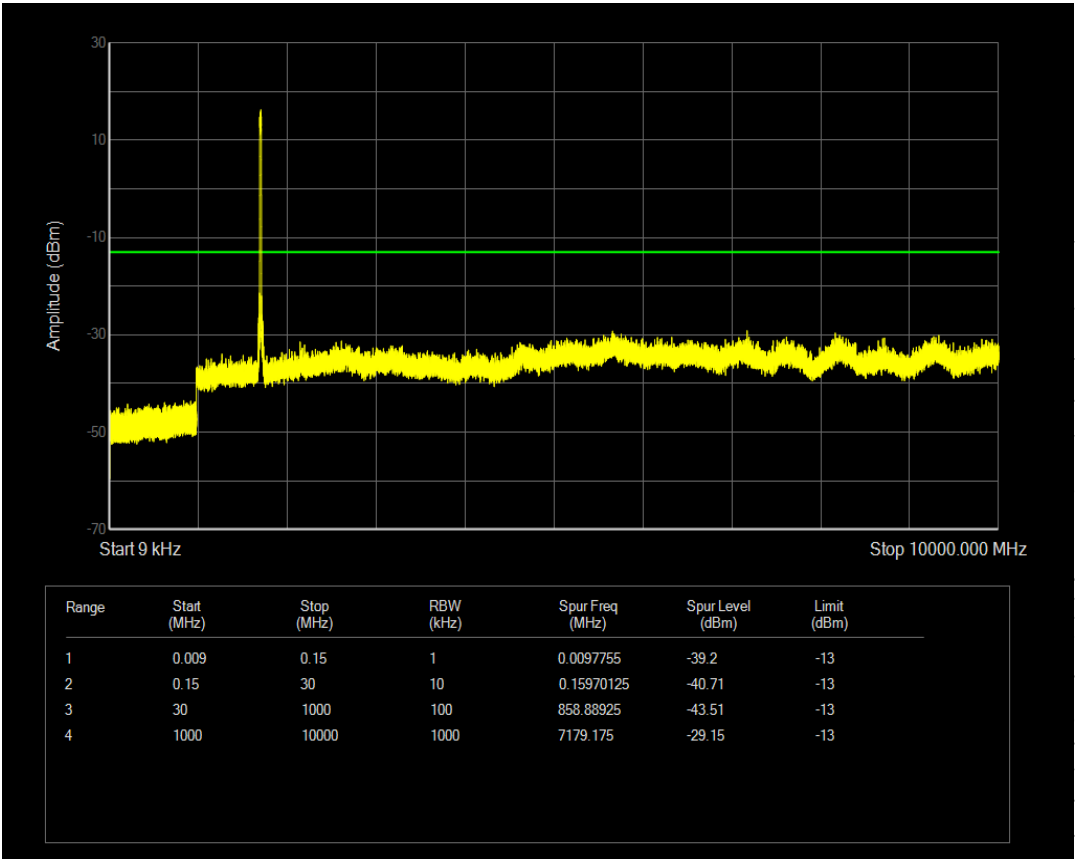
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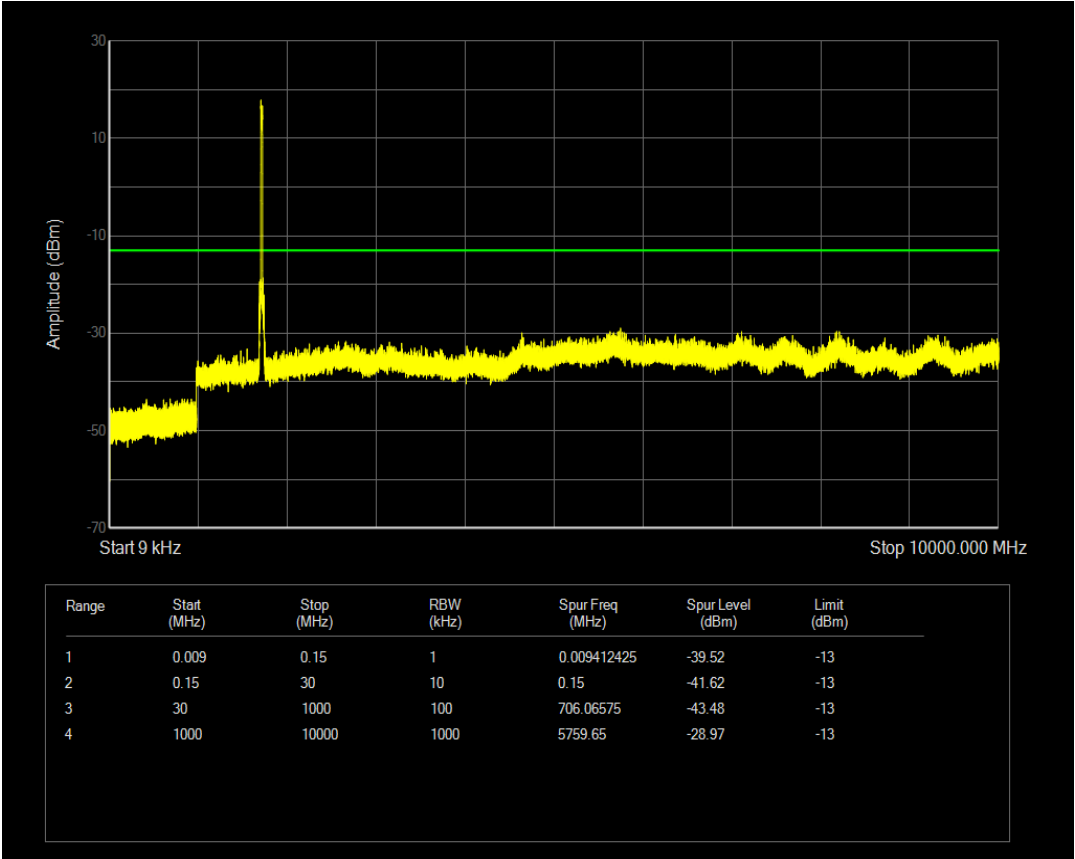
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



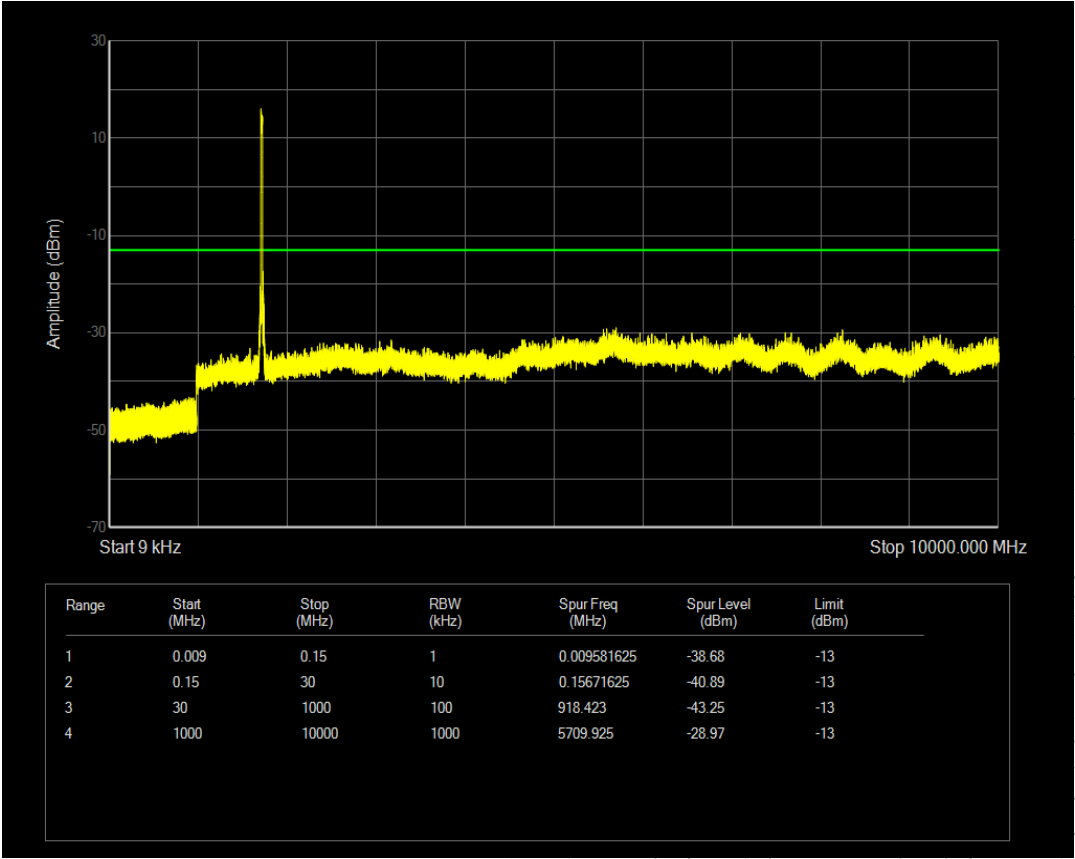
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



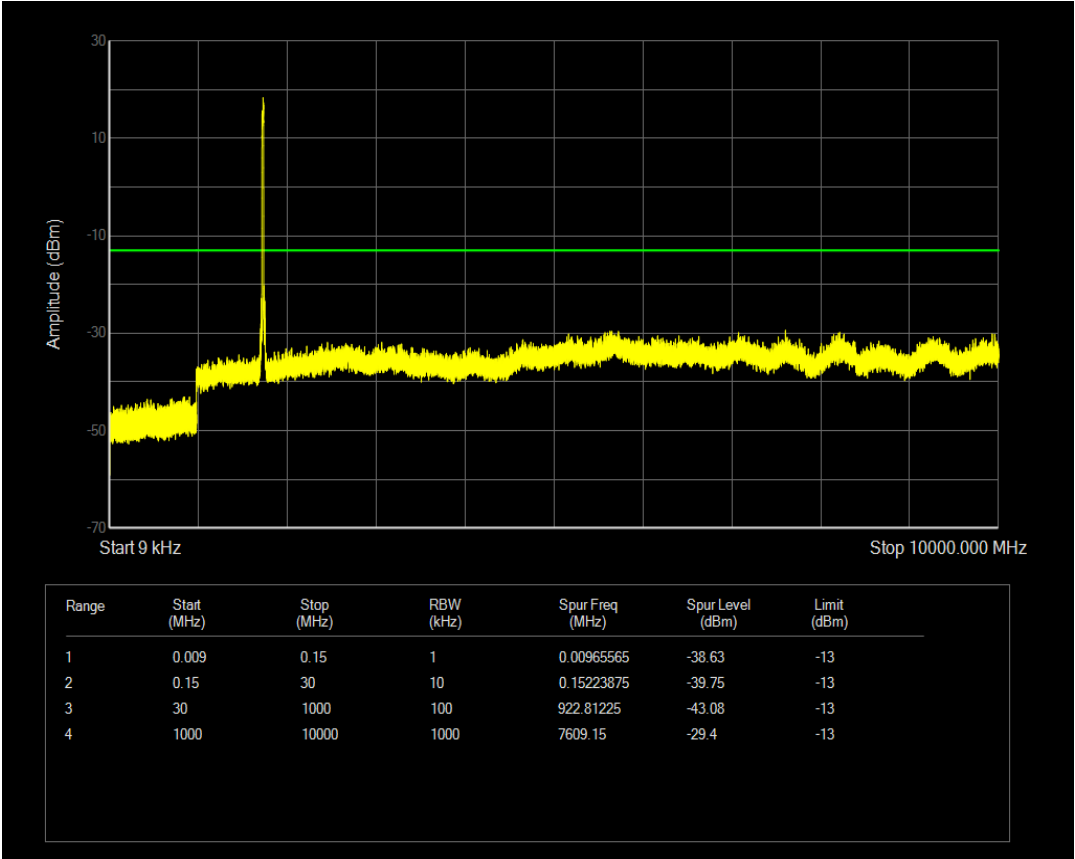
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



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

