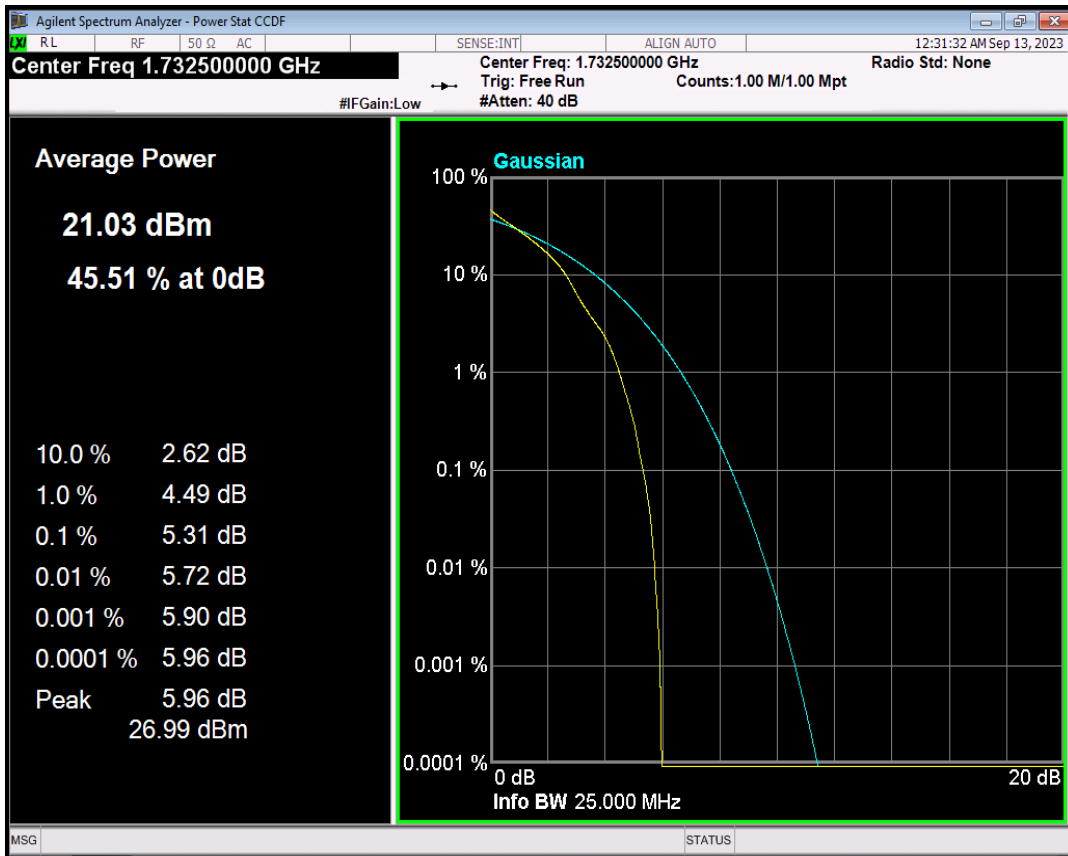
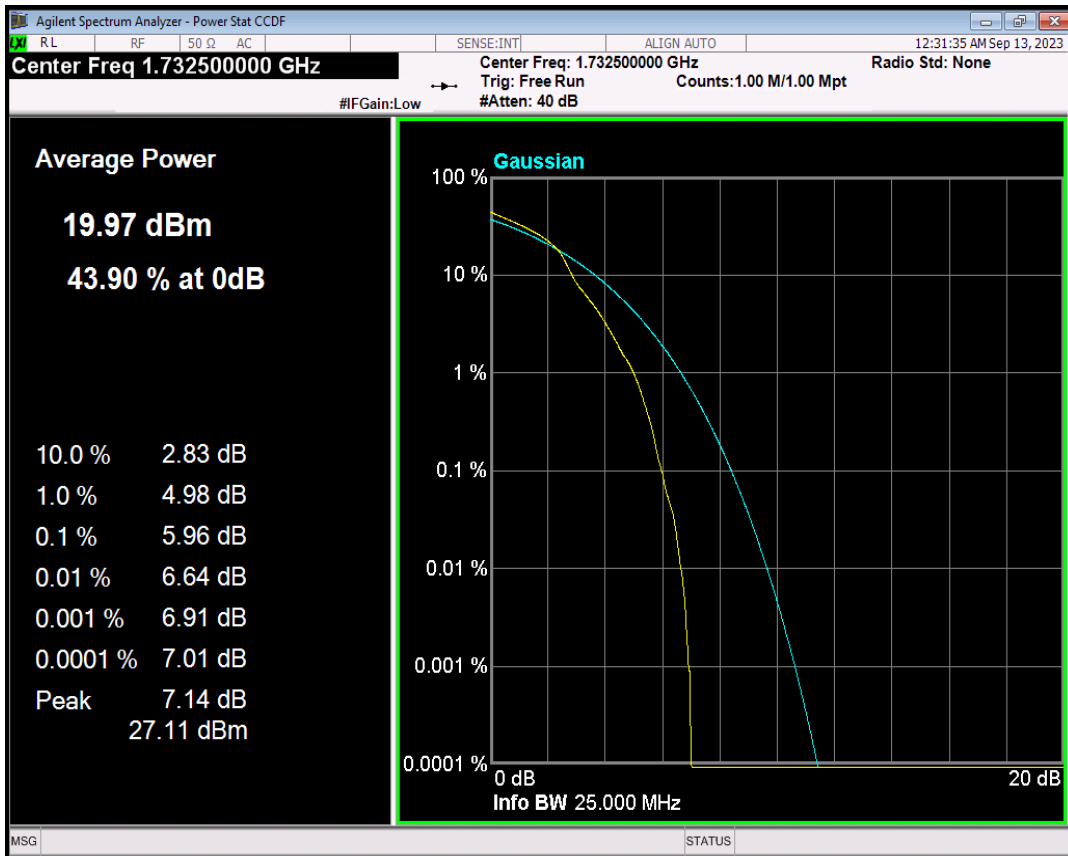


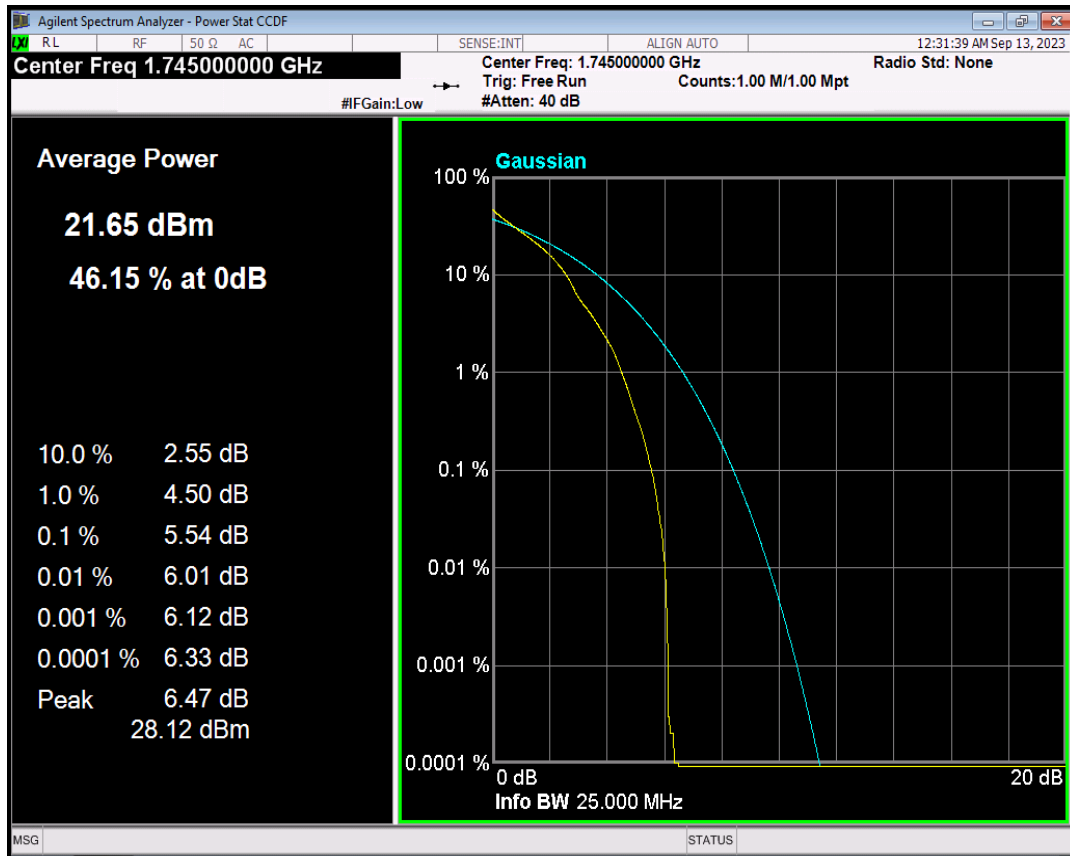
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



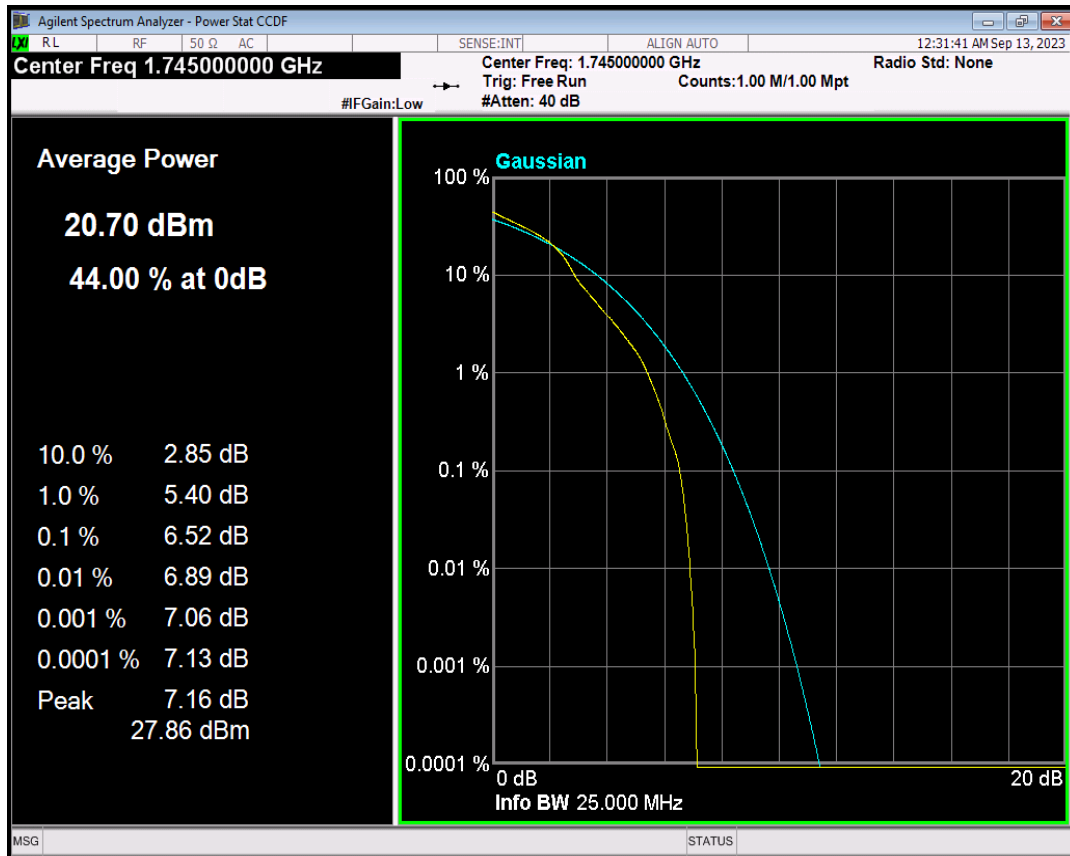
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



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



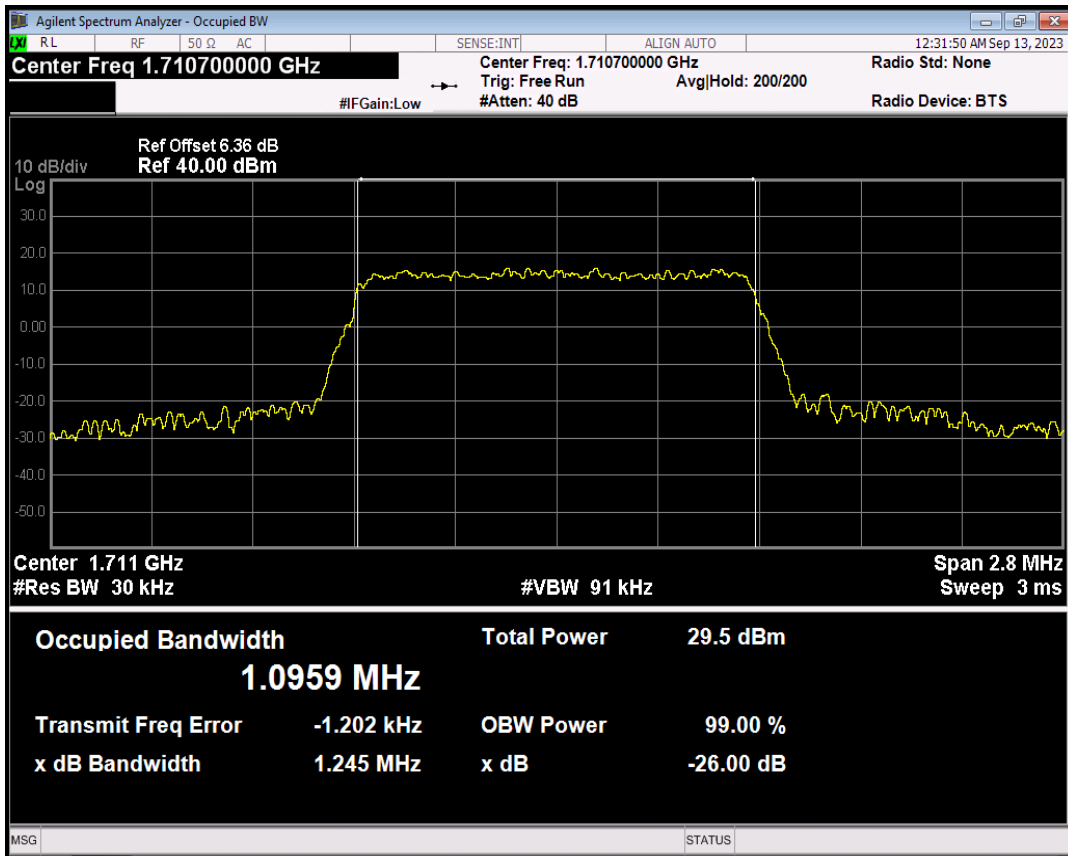
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



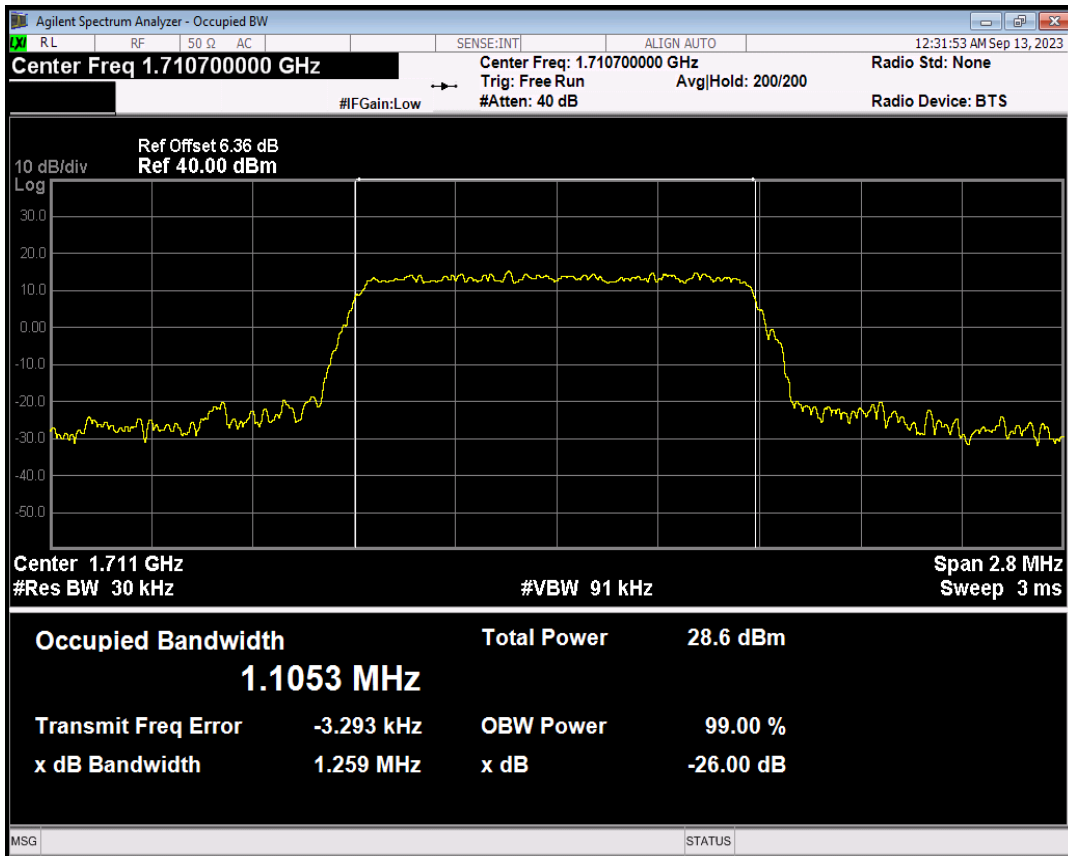
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.096	1.245	PASS
Band4	1.4	19957	6	#0	16QAM	1.105	1.259	PASS
Band4	1.4	20175	6	#0	QPSK	1.097	1.249	PASS
Band4	1.4	20175	6	#0	16QAM	1.094	1.246	PASS
Band4	1.4	20393	6	#0	QPSK	1.100	1.242	PASS
Band4	1.4	20393	6	#0	16QAM	1.098	1.236	PASS
Band4	3	19965	15	#0	QPSK	2.714	3.037	PASS
Band4	3	19965	15	#0	16QAM	2.703	3.021	PASS
Band4	3	20175	15	#0	QPSK	2.692	3.024	PASS
Band4	3	20175	15	#0	16QAM	2.701	3.026	PASS
Band4	3	20385	15	#0	QPSK	2.704	3.031	PASS
Band4	3	20385	15	#0	16QAM	2.711	3.069	PASS
Band4	5	19975	25	#0	QPSK	4.502	4.994	PASS
Band4	5	19975	25	#0	16QAM	4.502	4.954	PASS
Band4	5	20175	25	#0	QPSK	4.513	4.942	PASS
Band4	5	20175	25	#0	16QAM	4.553	4.999	PASS
Band4	5	20375	25	#0	QPSK	4.519	4.952	PASS
Band4	5	20375	25	#0	16QAM	4.524	4.994	PASS
Band4	10	20000	50	#0	QPSK	8.987	9.880	PASS
Band4	10	20000	50	#0	16QAM	8.992	9.779	PASS
Band4	10	20175	50	#0	QPSK	8.999	9.760	PASS
Band4	10	20175	50	#0	16QAM	8.990	9.916	PASS
Band4	10	20350	50	#0	QPSK	8.980	9.876	PASS
Band4	10	20350	50	#0	16QAM	9.003	9.782	PASS
Band4	15	20025	75	#0	QPSK	13.483	14.720	PASS
Band4	15	20025	75	#0	16QAM	13.470	14.776	PASS
Band4	15	20175	75	#0	QPSK	13.450	14.733	PASS
Band4	15	20175	75	#0	16QAM	13.495	14.848	PASS
Band4	15	20325	75	#0	QPSK	13.464	15.004	PASS
Band4	15	20325	75	#0	16QAM	13.425	14.980	PASS
Band4	20	20050	100	#0	QPSK	17.961	19.572	PASS
Band4	20	20050	100	#0	16QAM	17.936	19.599	PASS
Band4	20	20175	100	#0	QPSK	17.966	19.521	PASS
Band4	20	20175	100	#0	16QAM	17.998	19.513	PASS
Band4	20	20300	100	#0	QPSK	17.960	19.674	PASS
Band4	20	20300	100	#0	16QAM	17.990	19.750	PASS

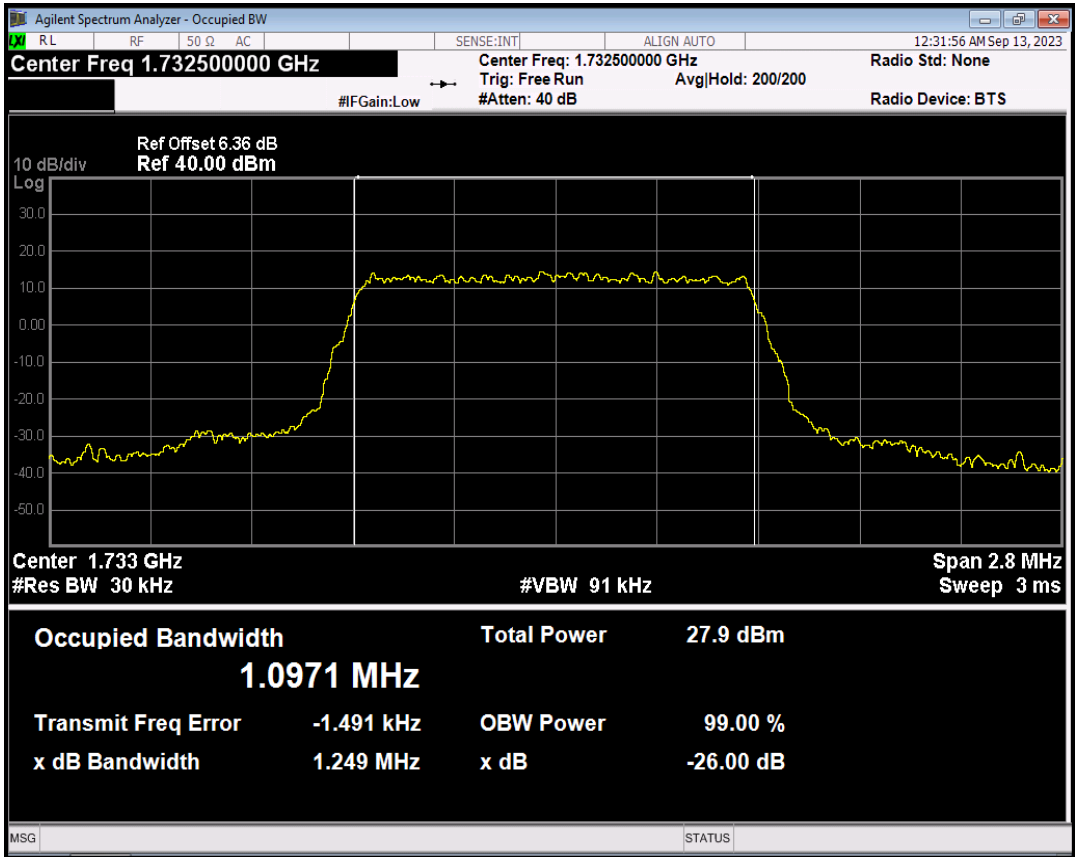
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



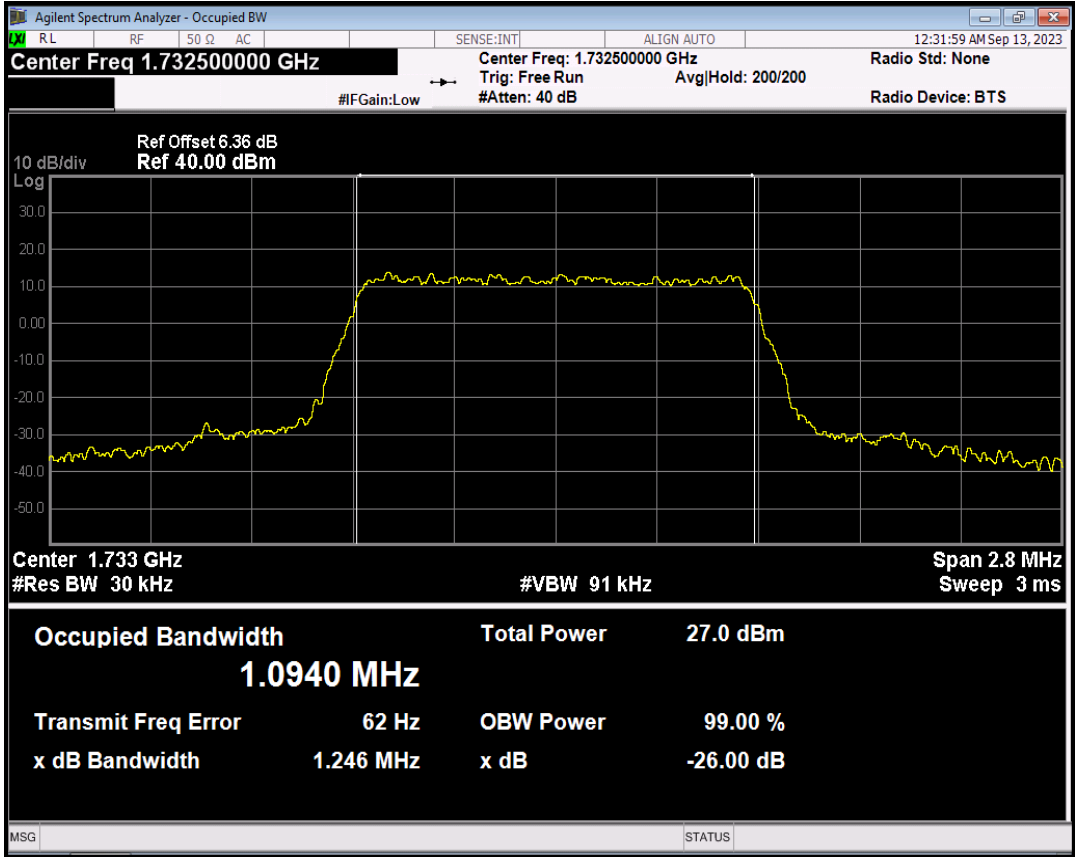
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



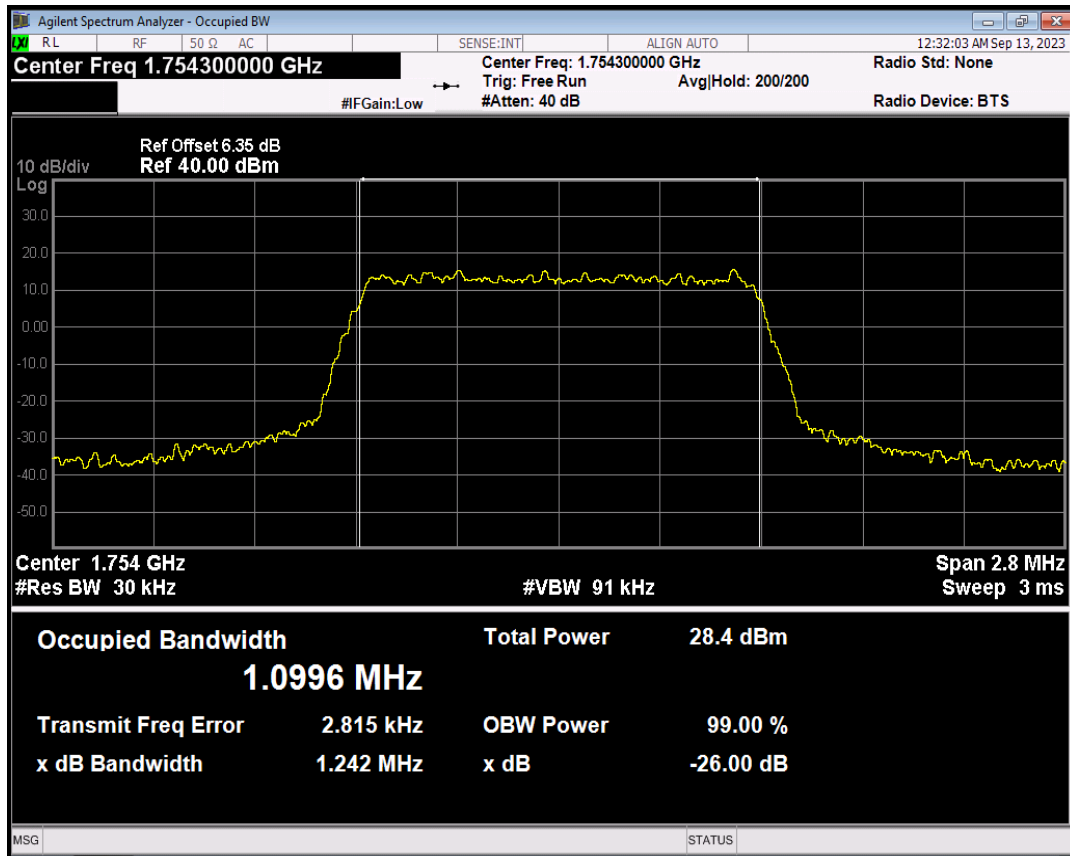
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



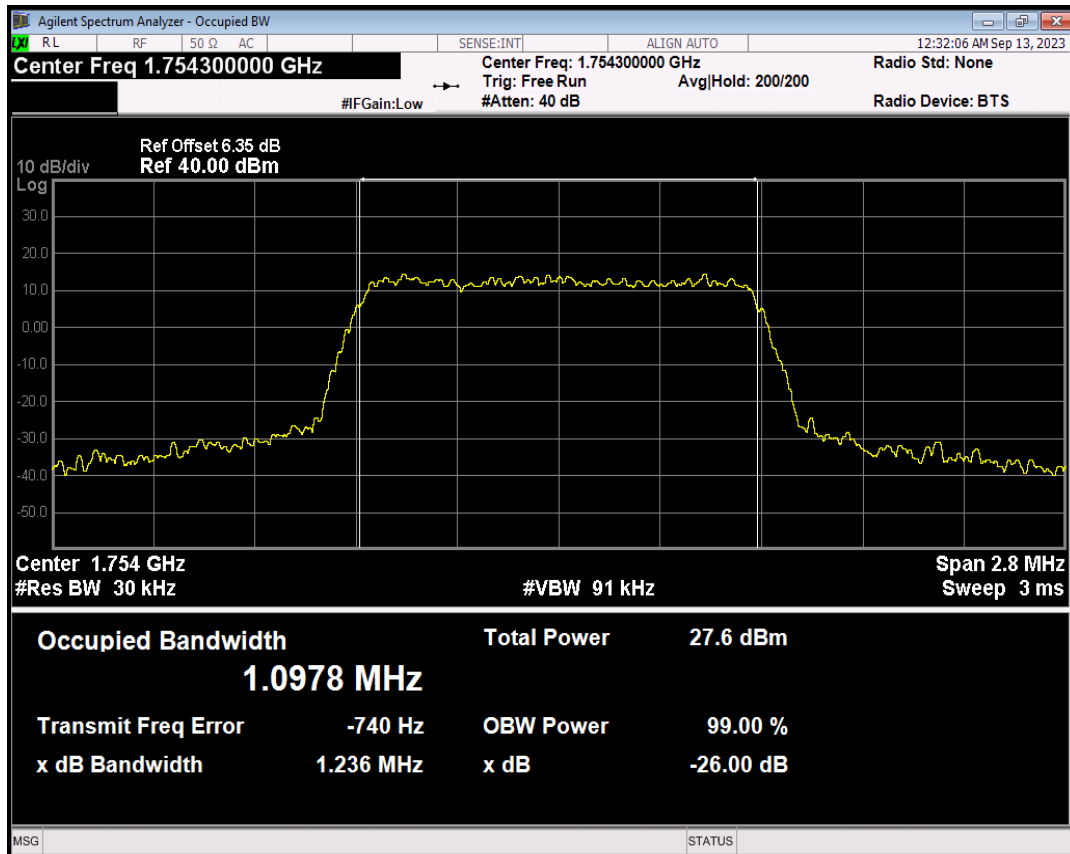
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



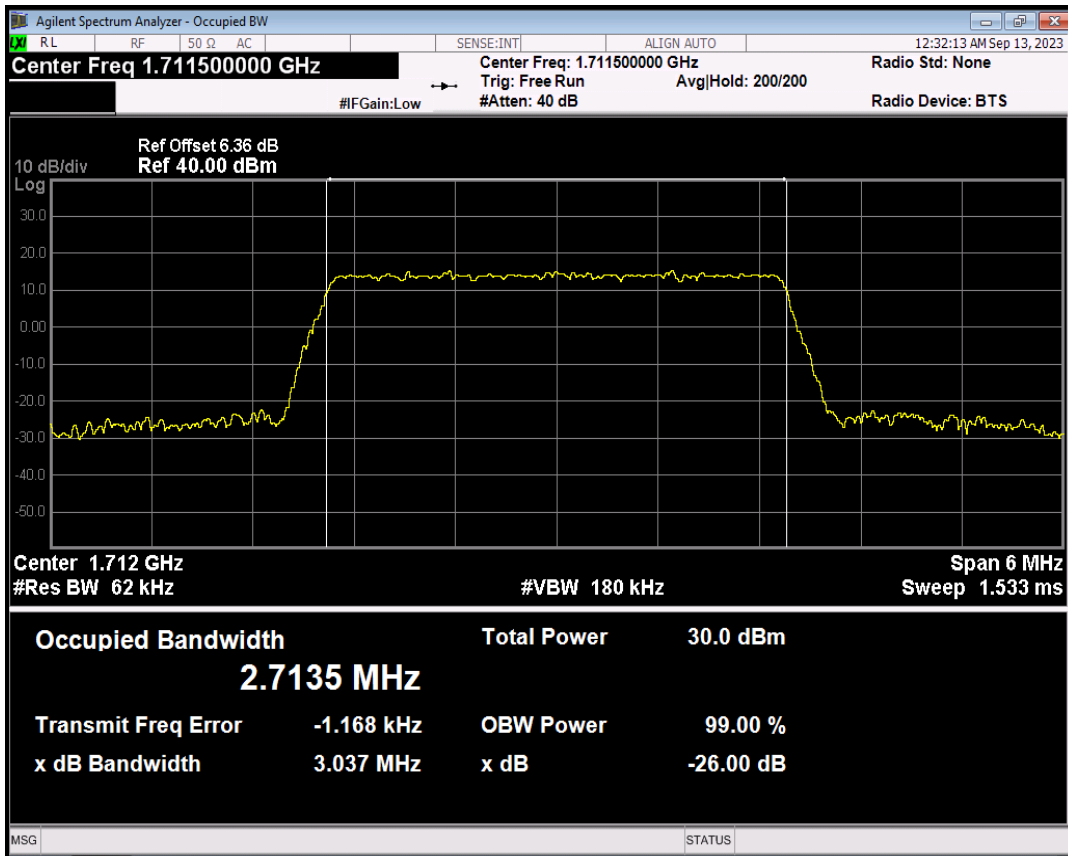
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



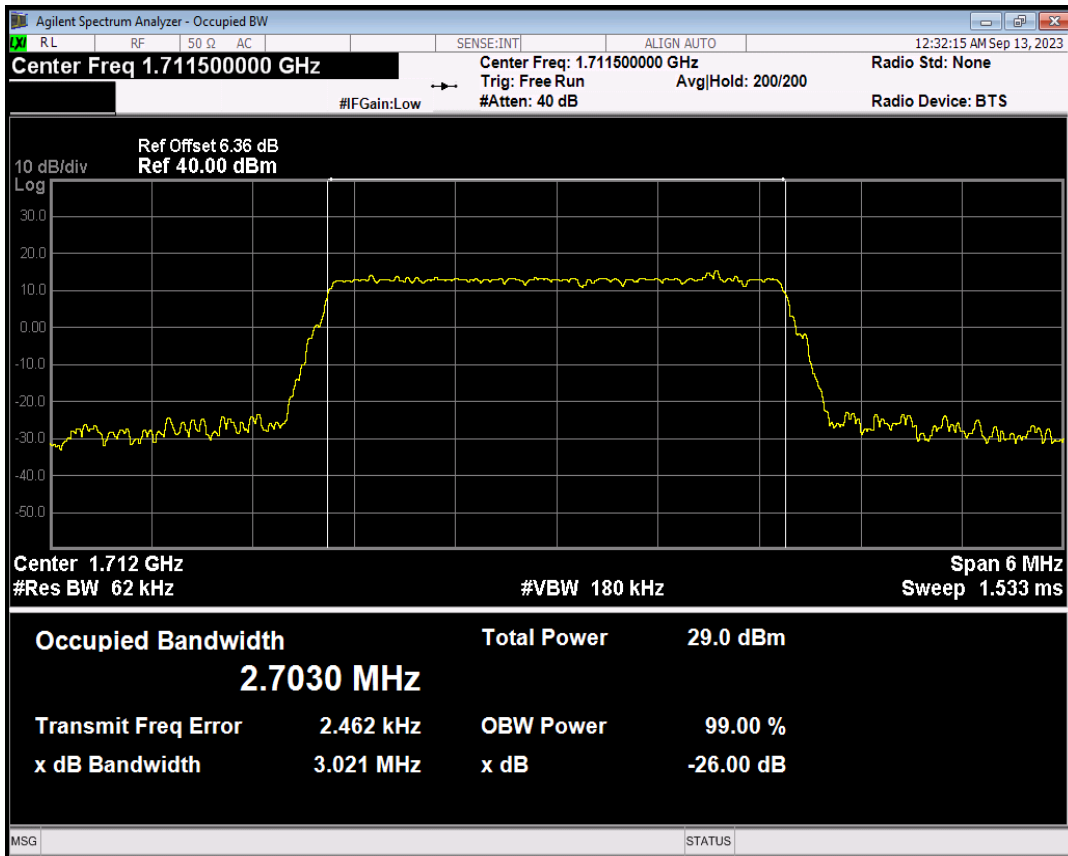
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



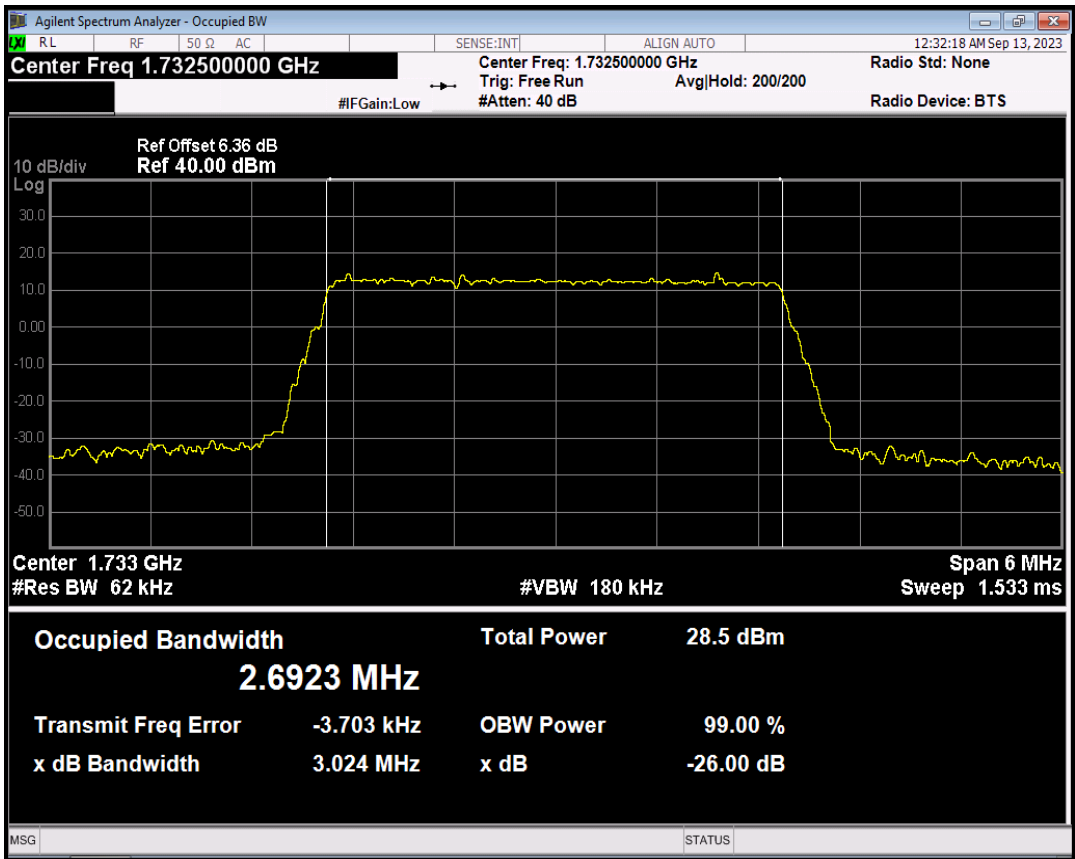
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



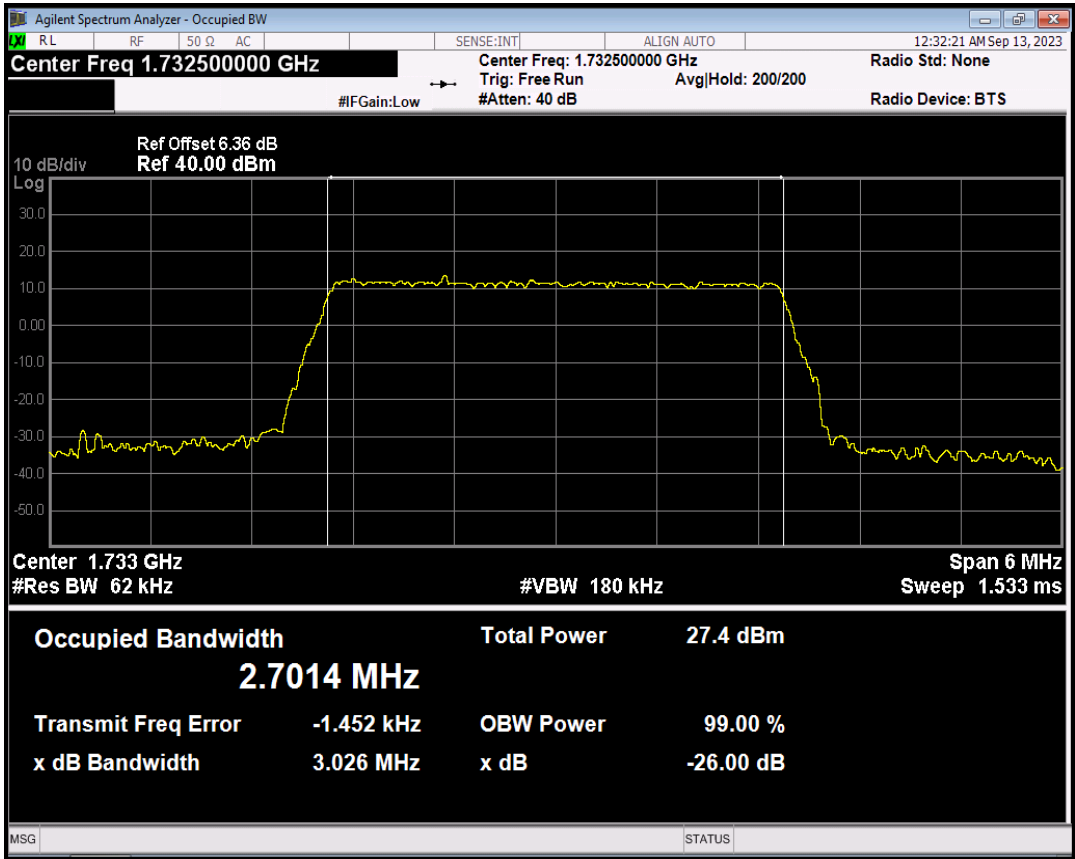
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



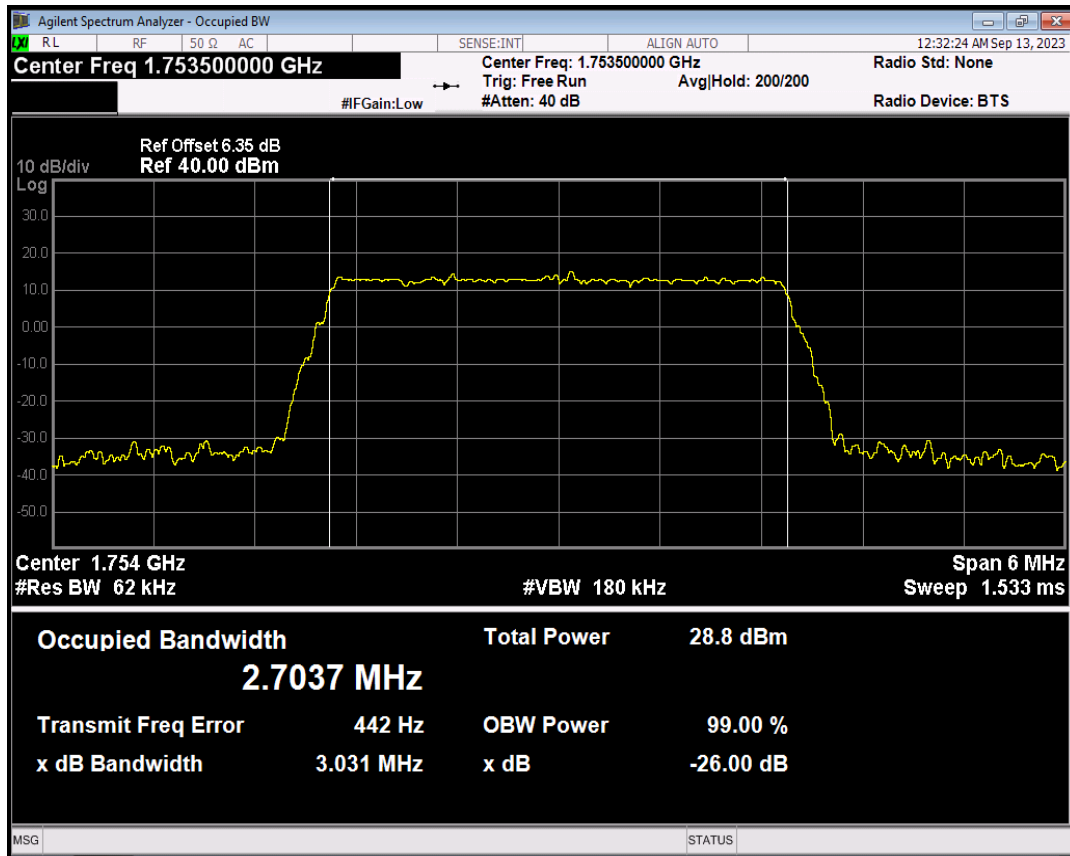
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



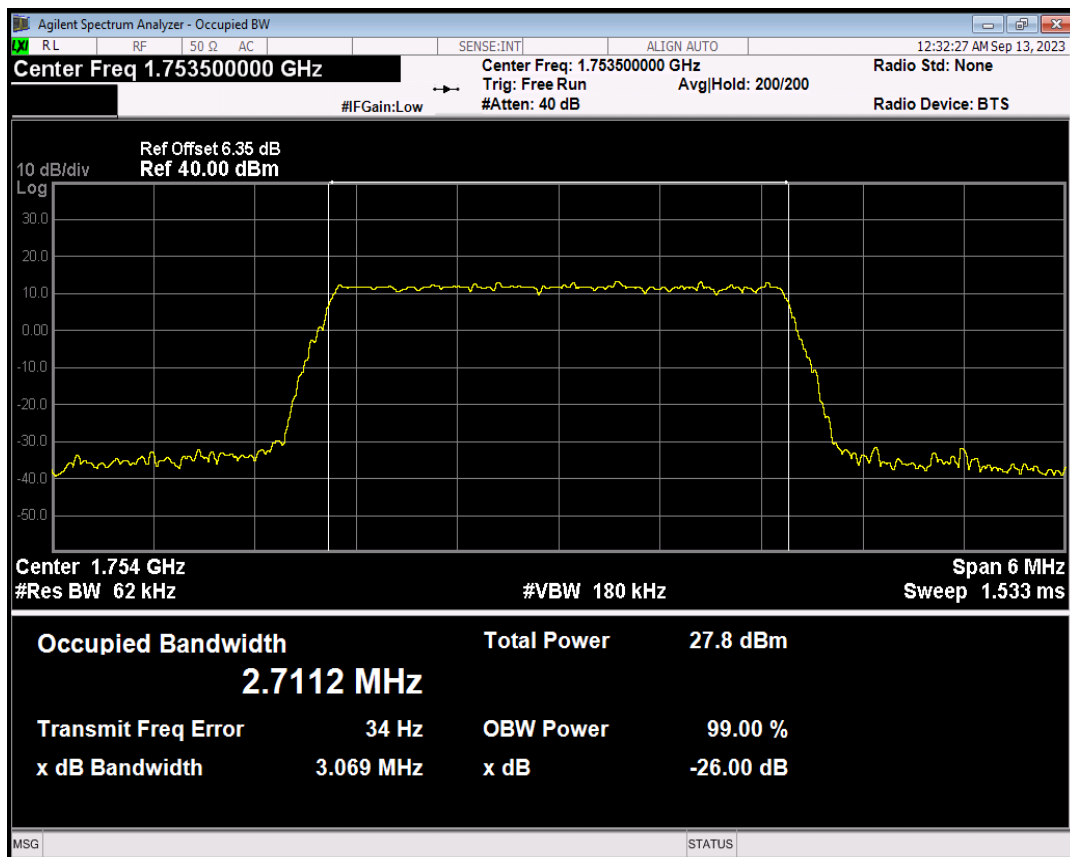
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



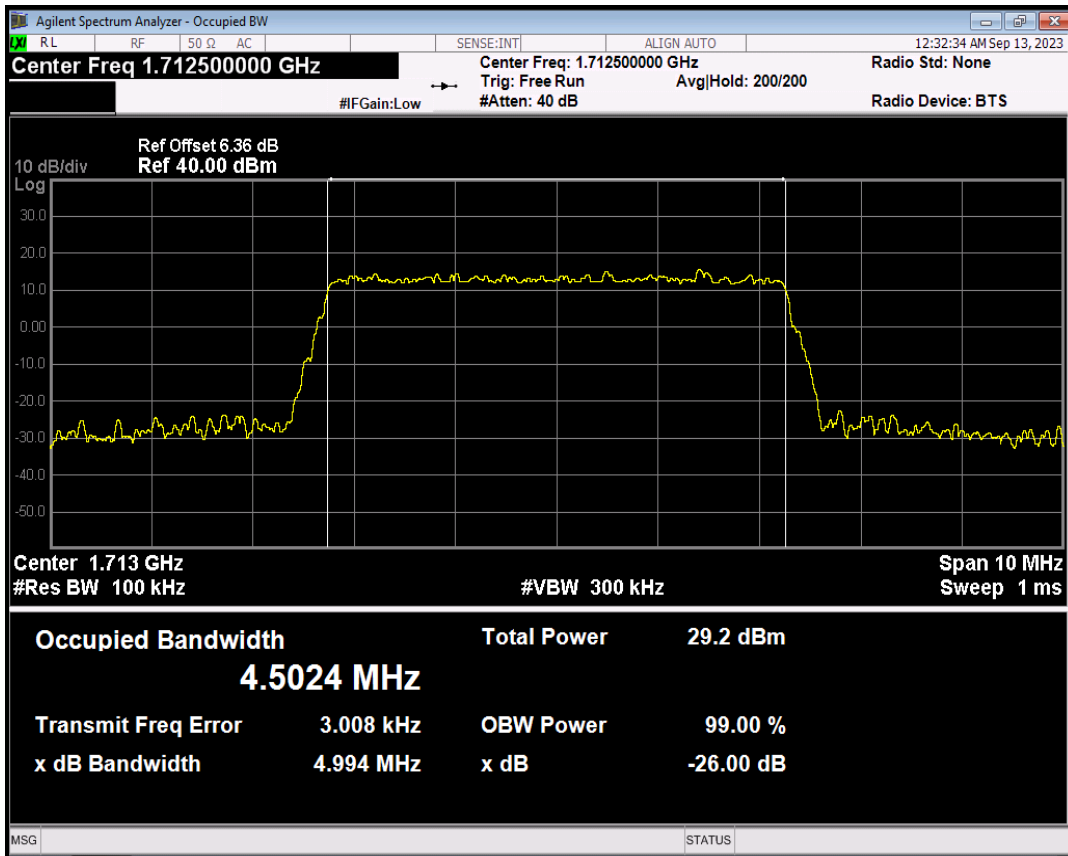
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



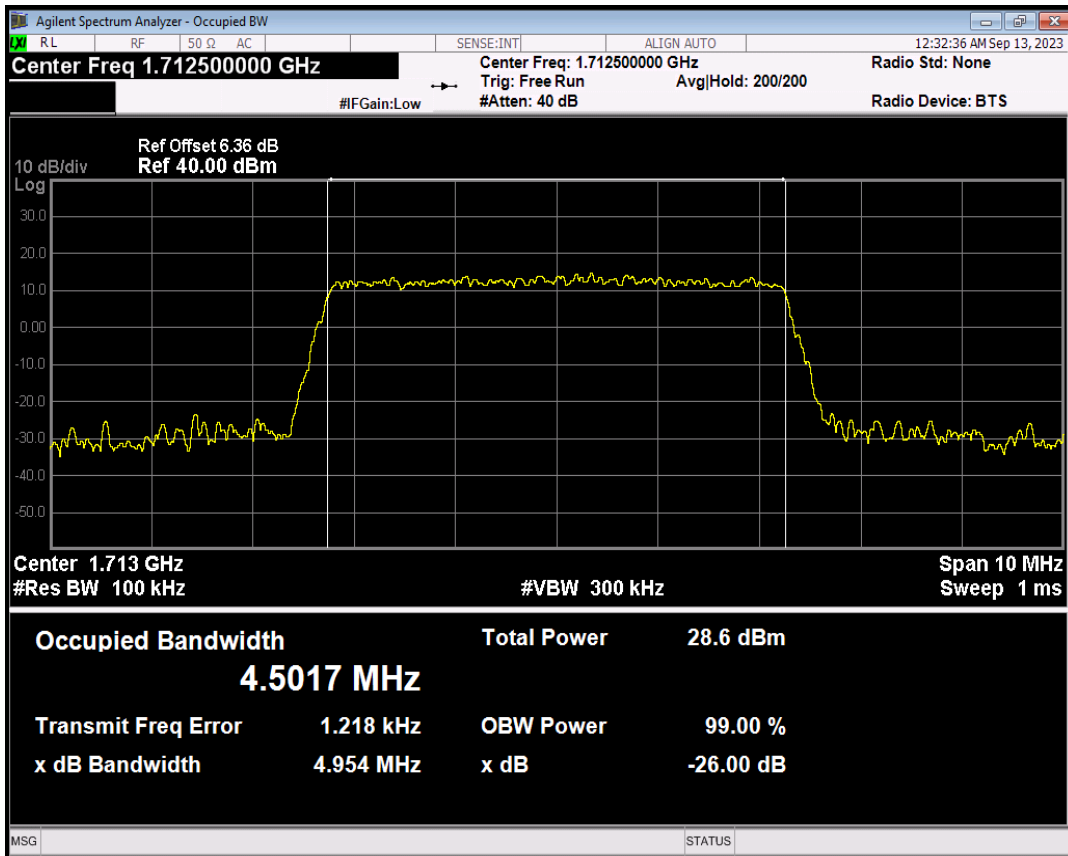
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



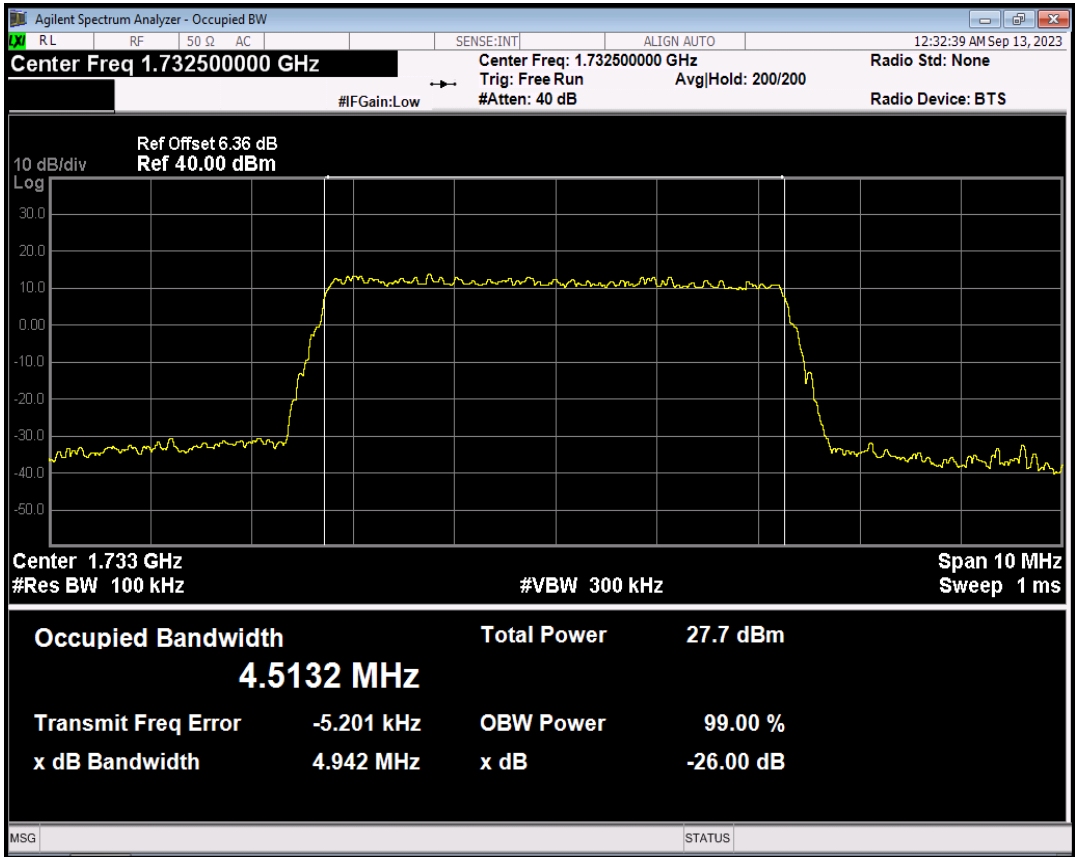
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



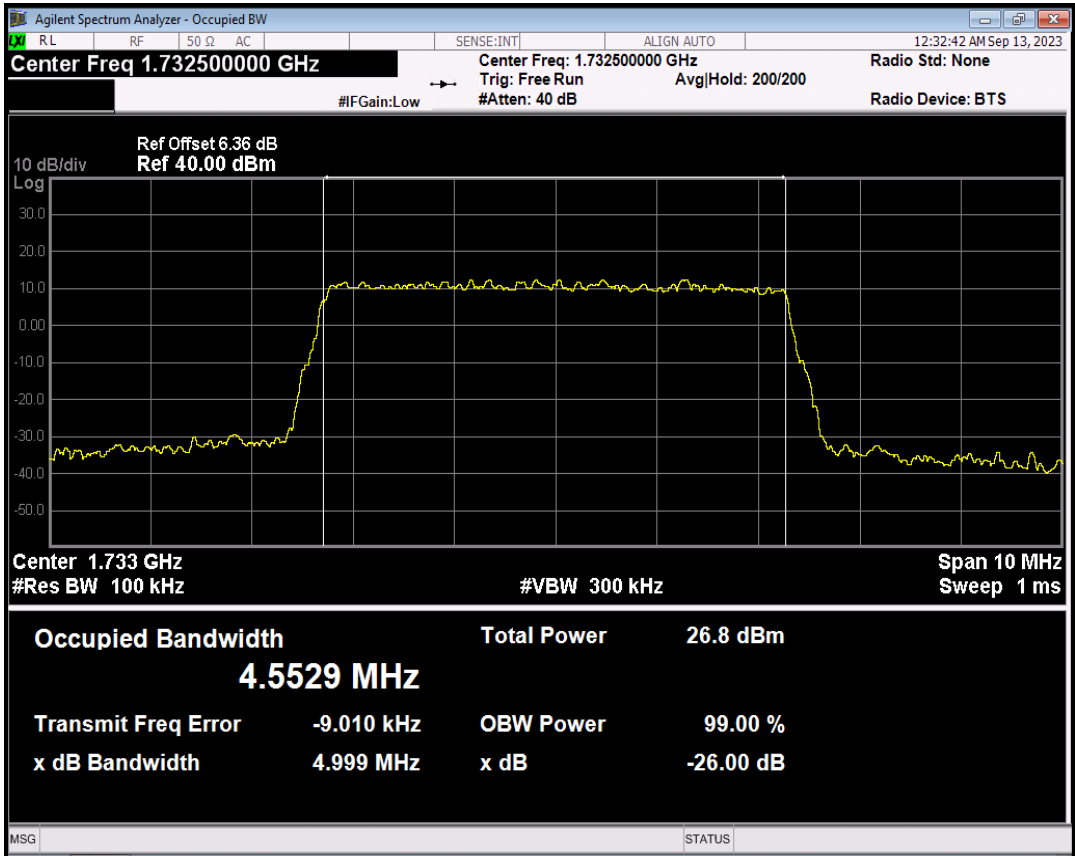
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



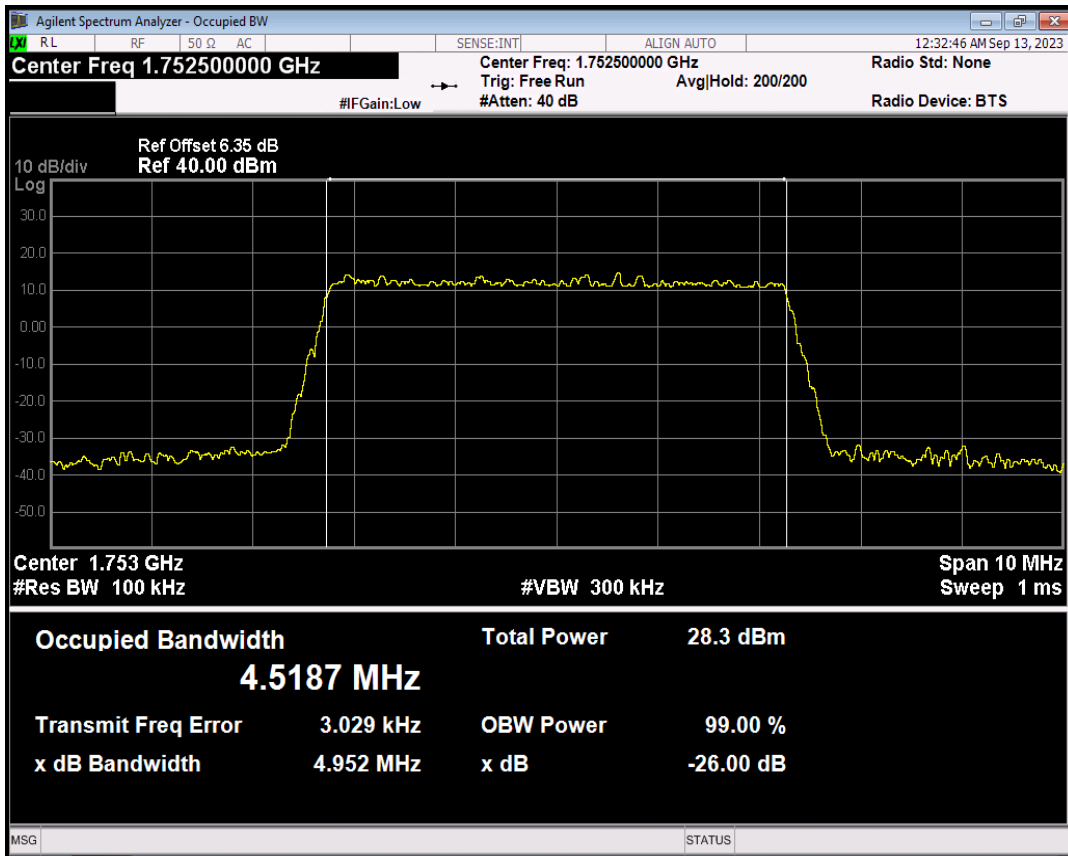
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



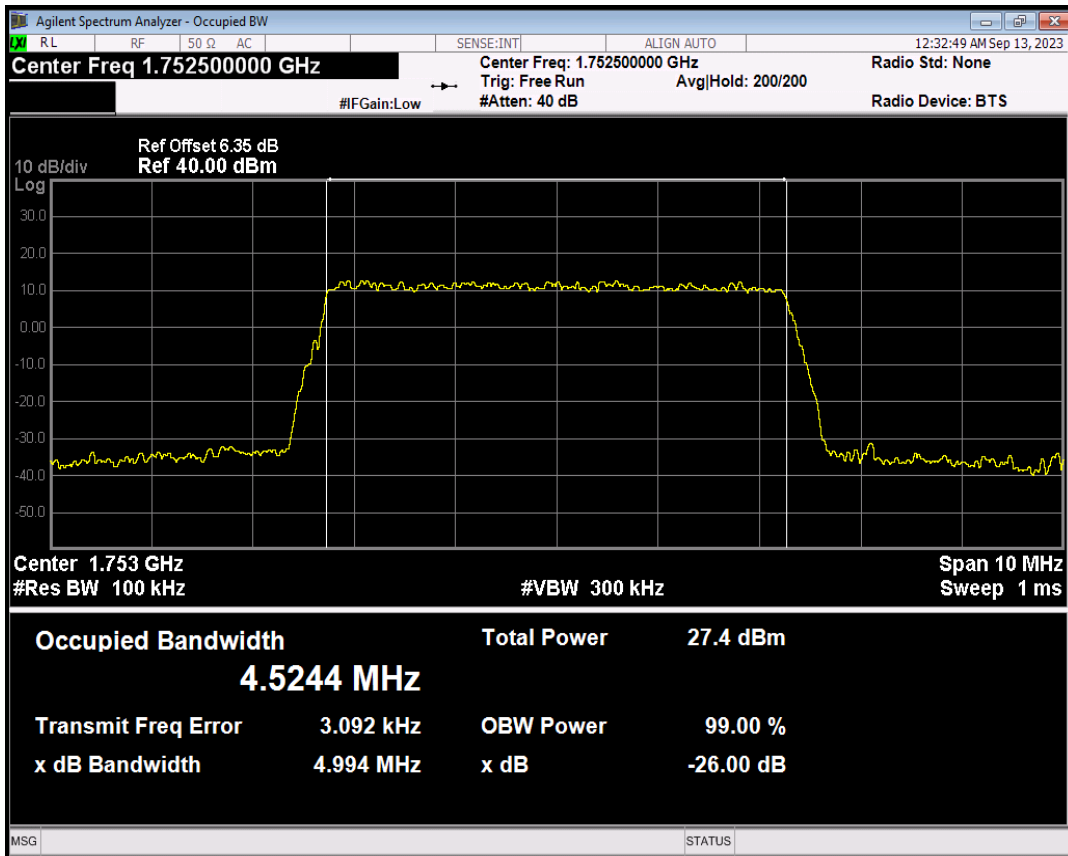
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



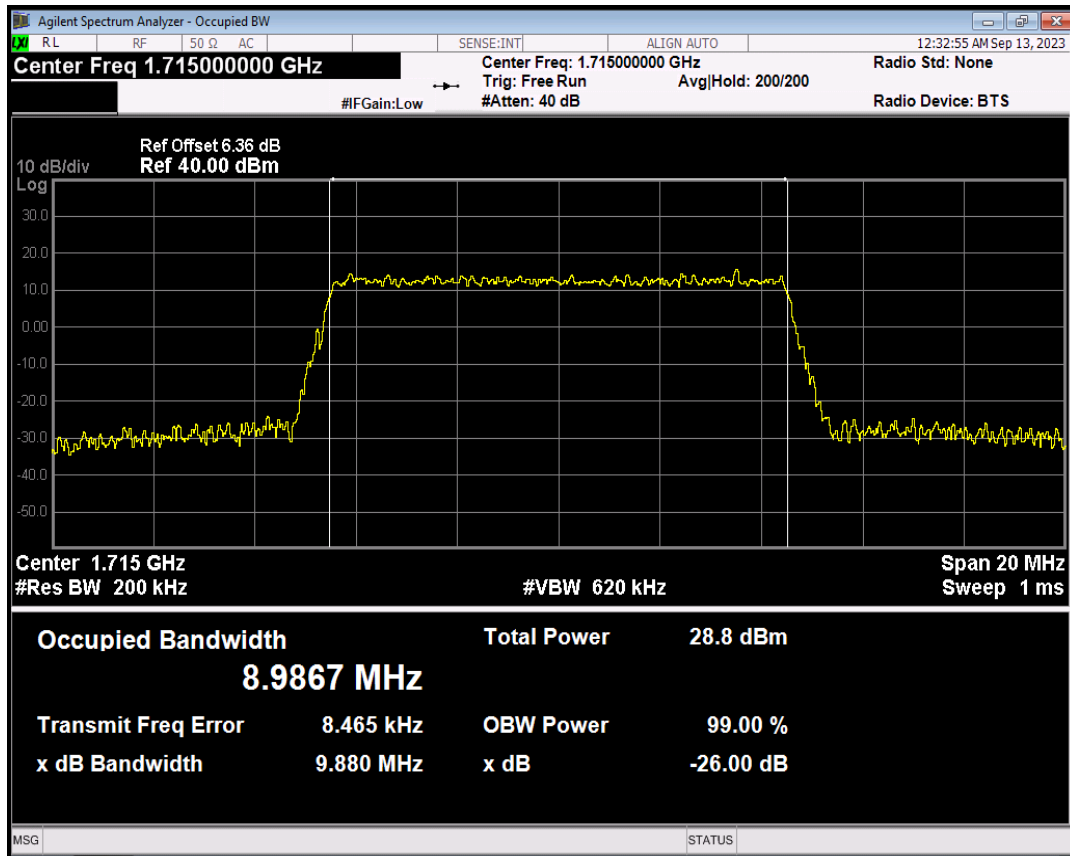
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



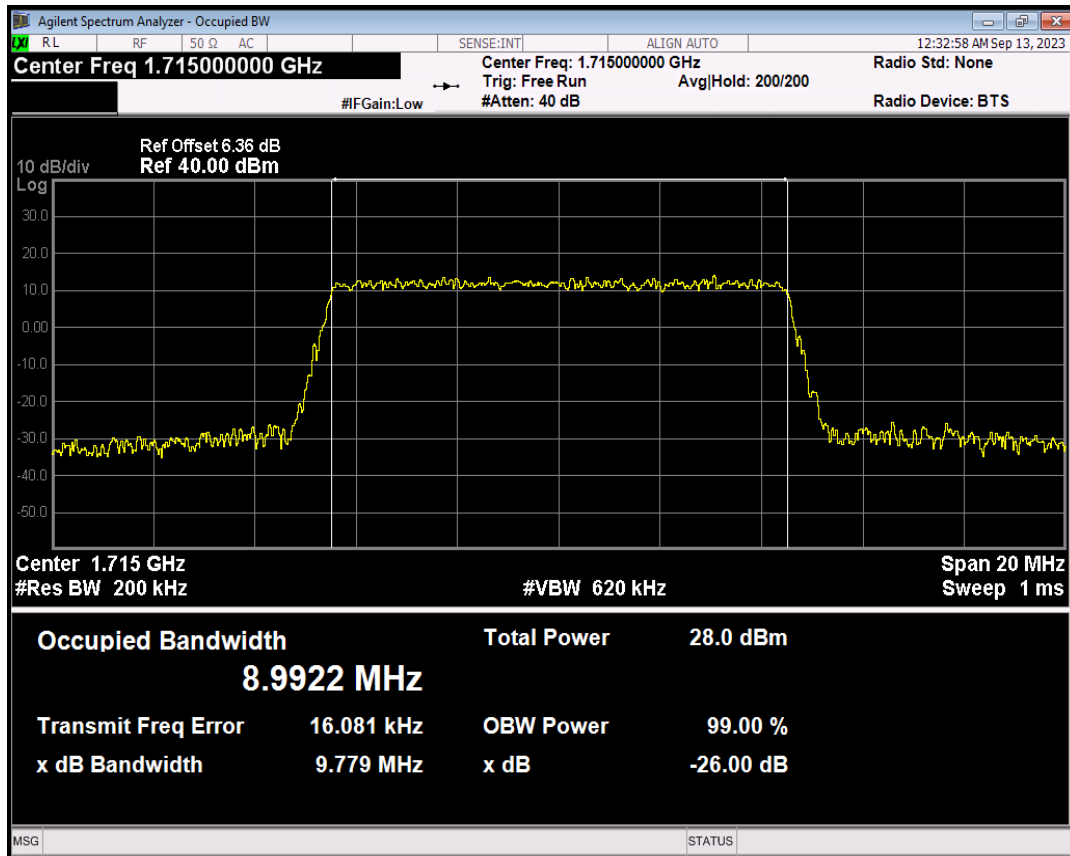
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



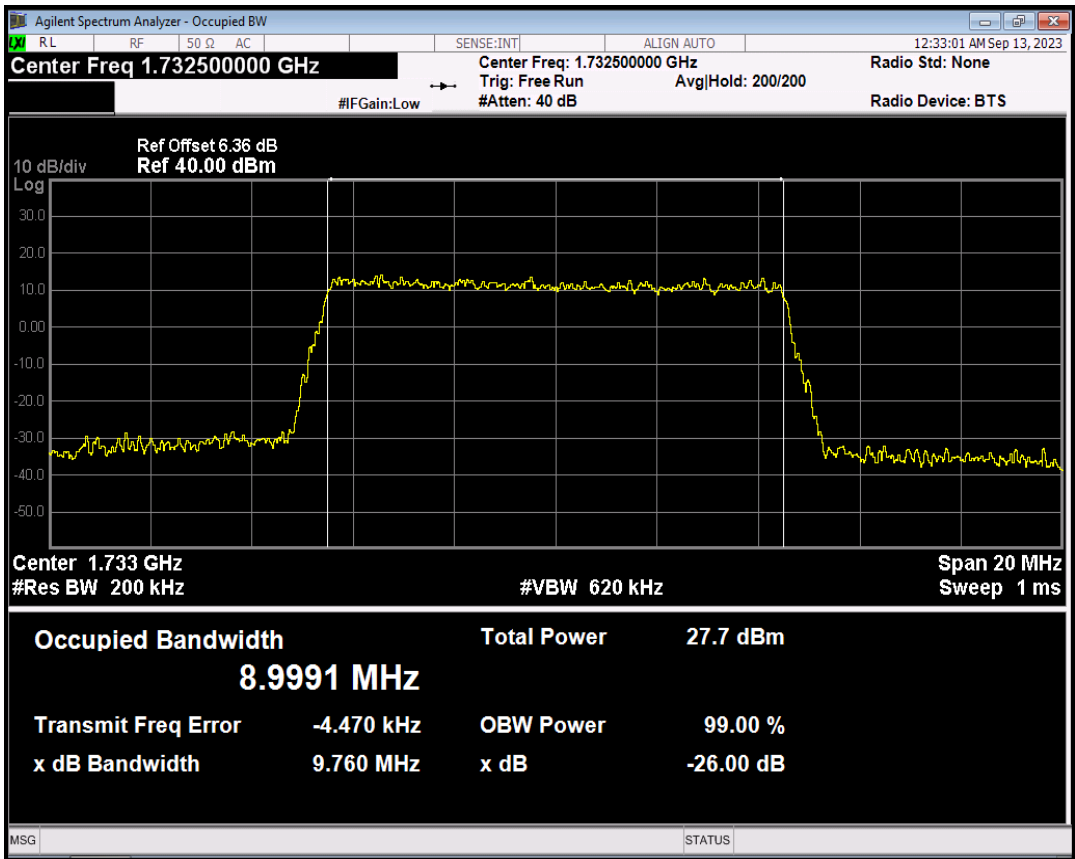
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



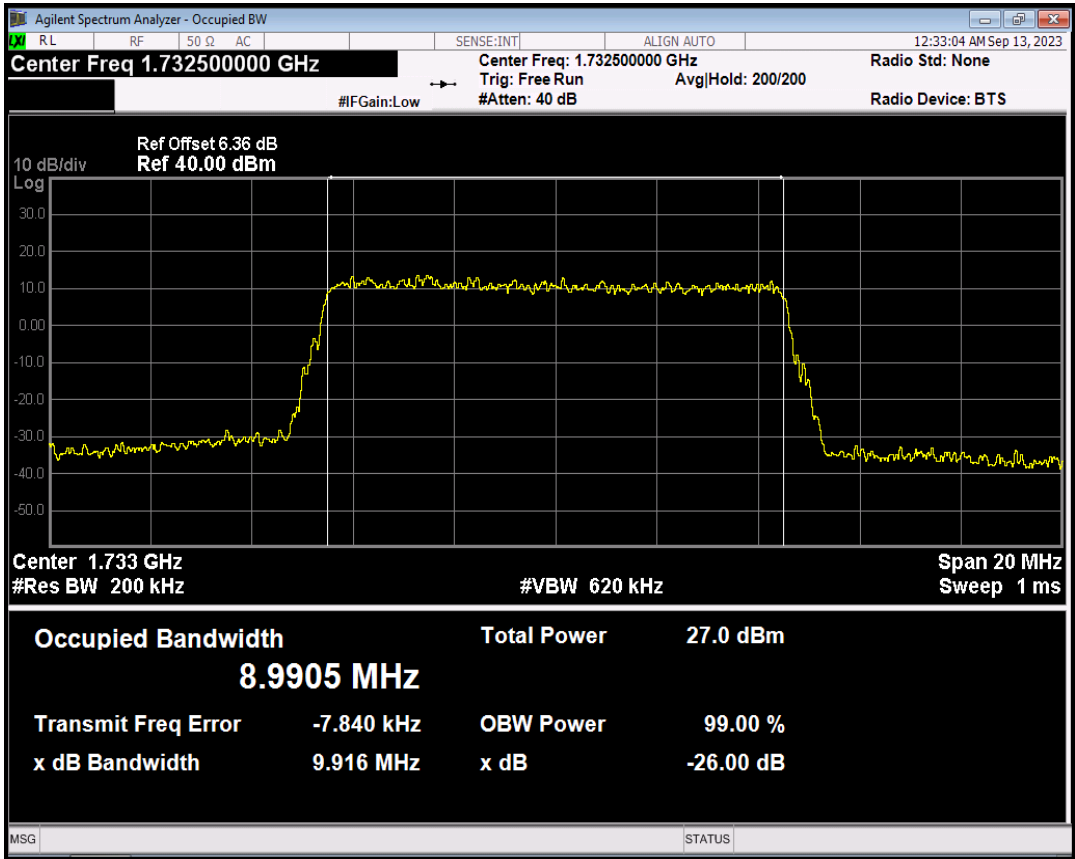
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



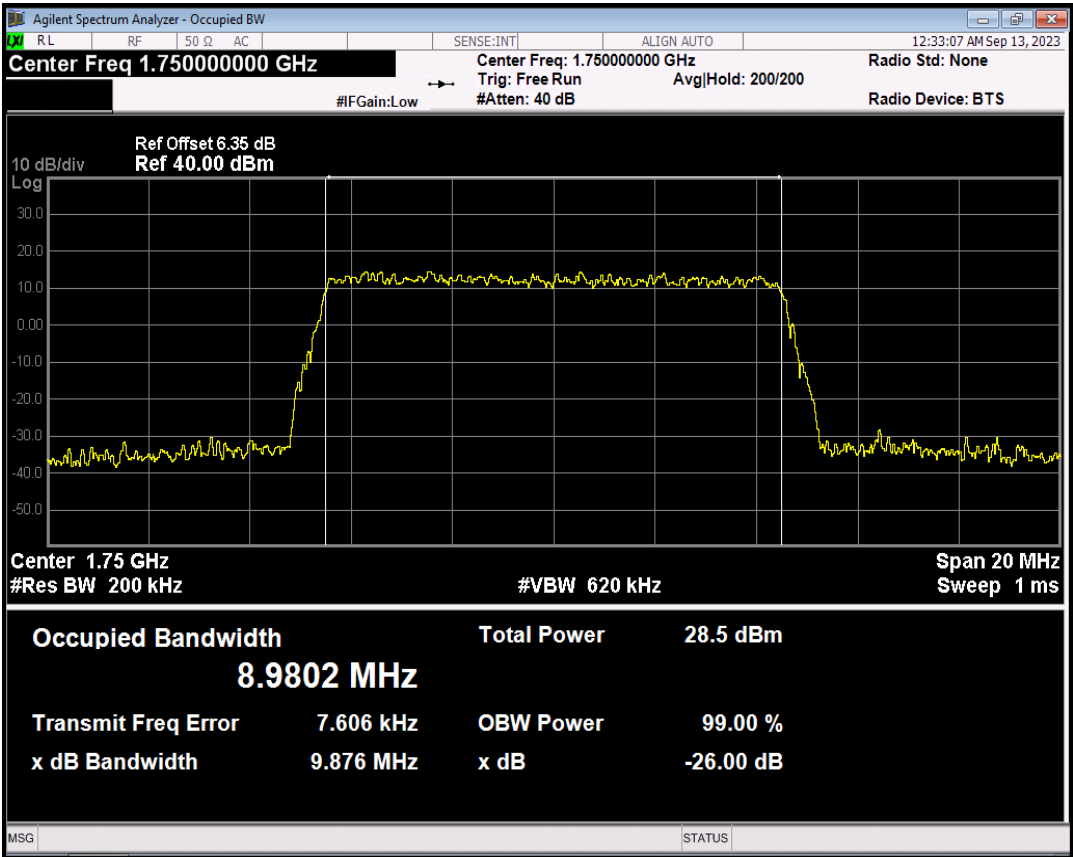
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



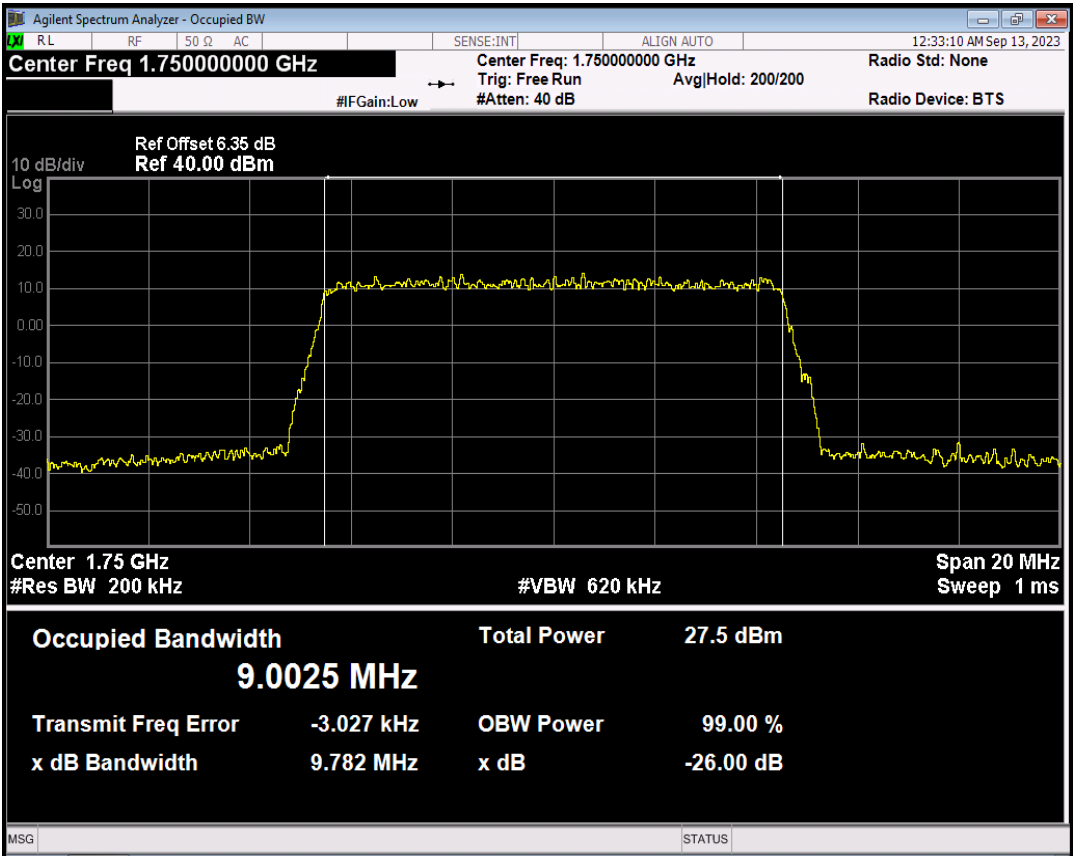
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



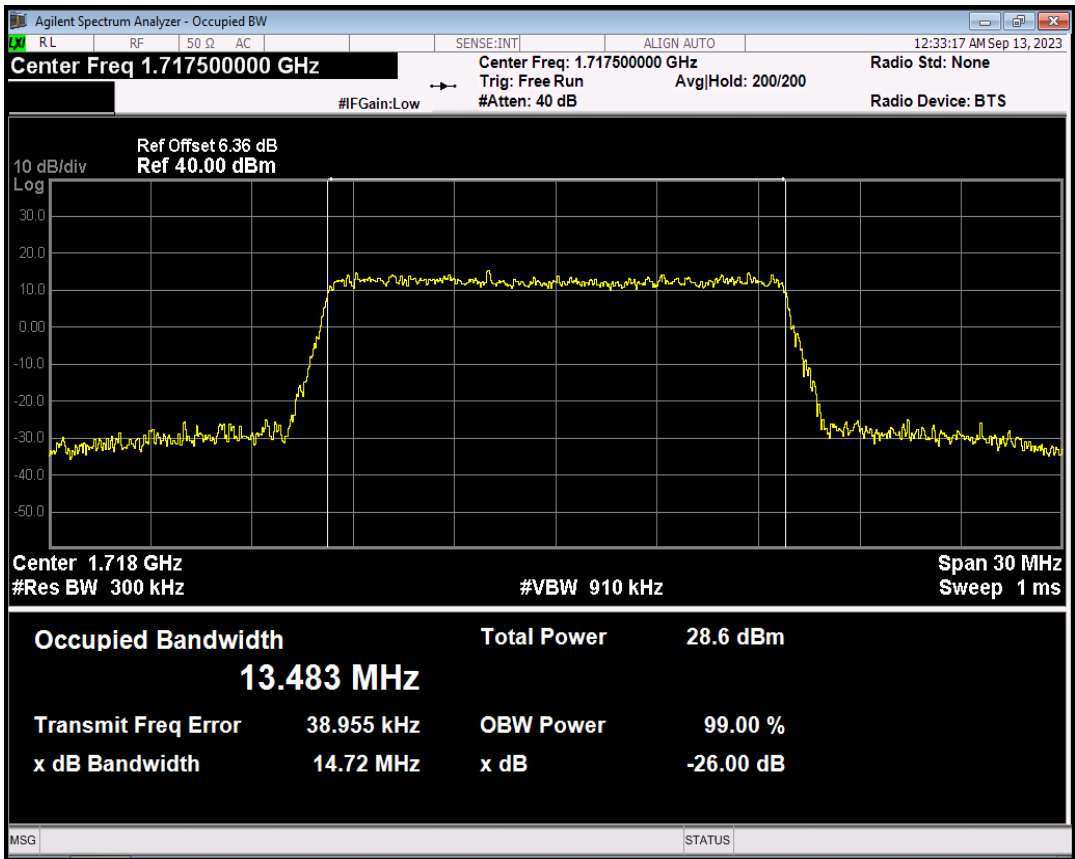
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



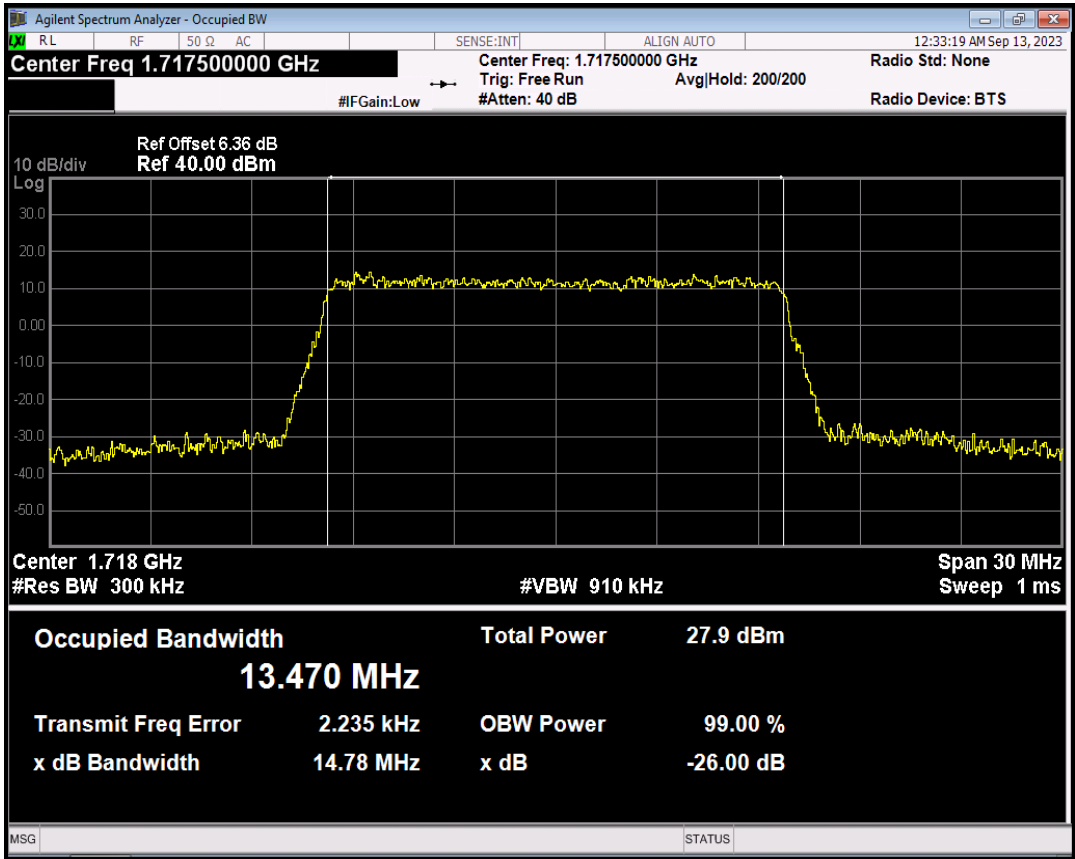
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



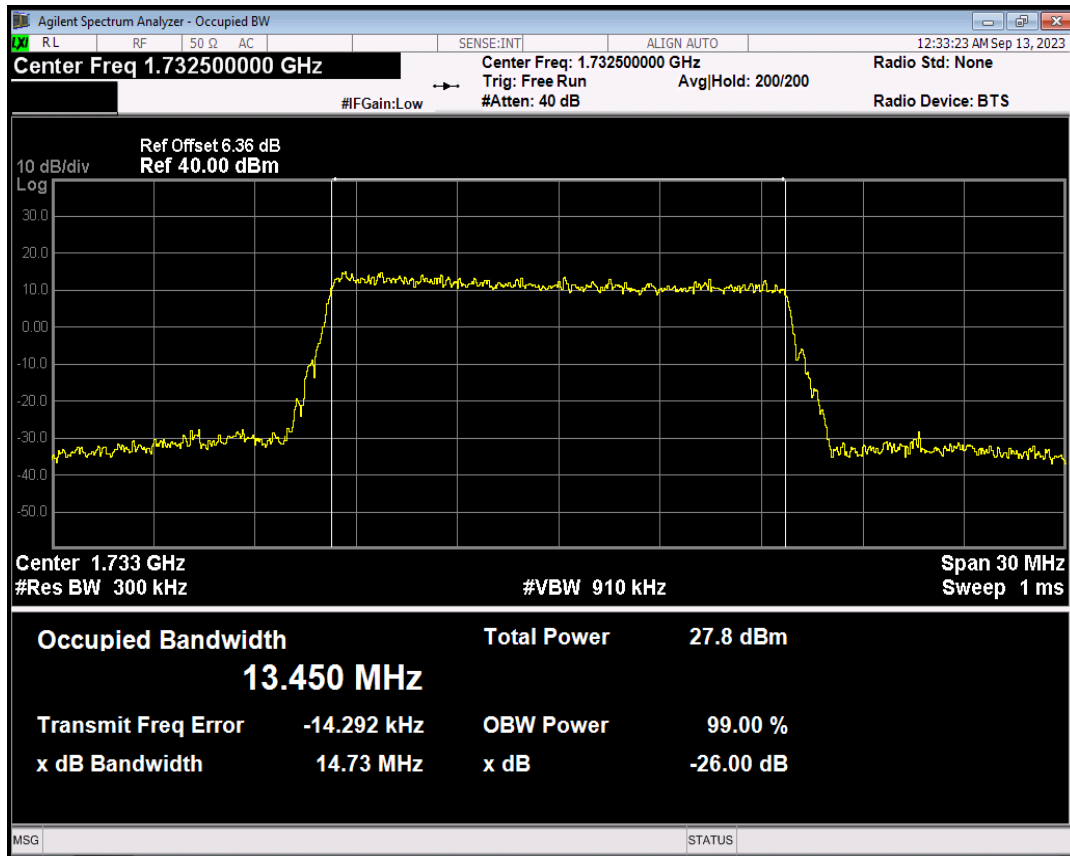
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



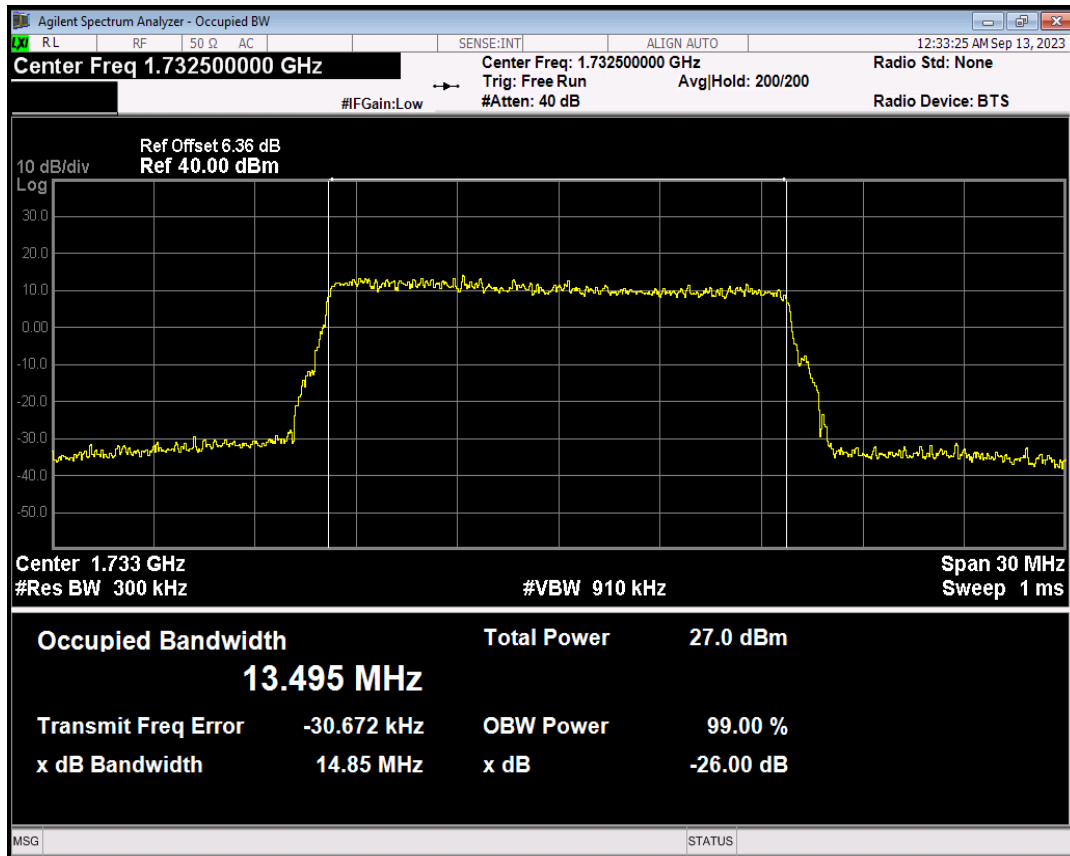
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



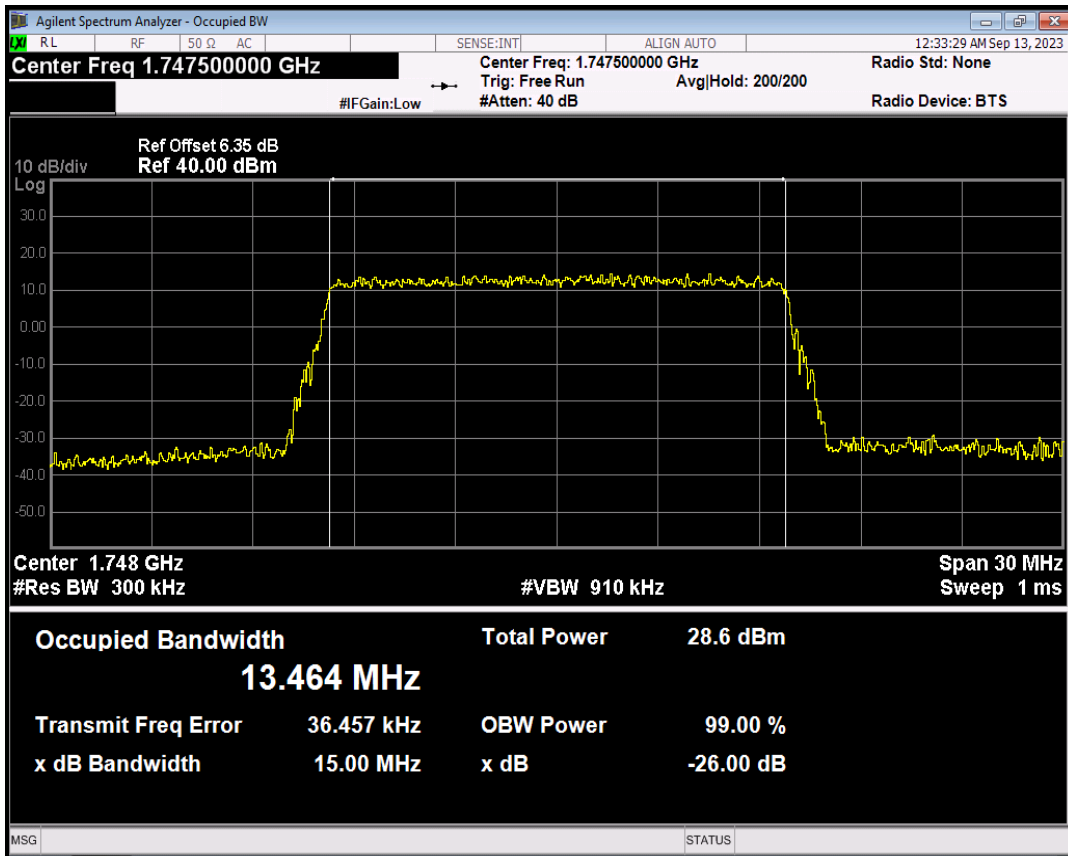
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



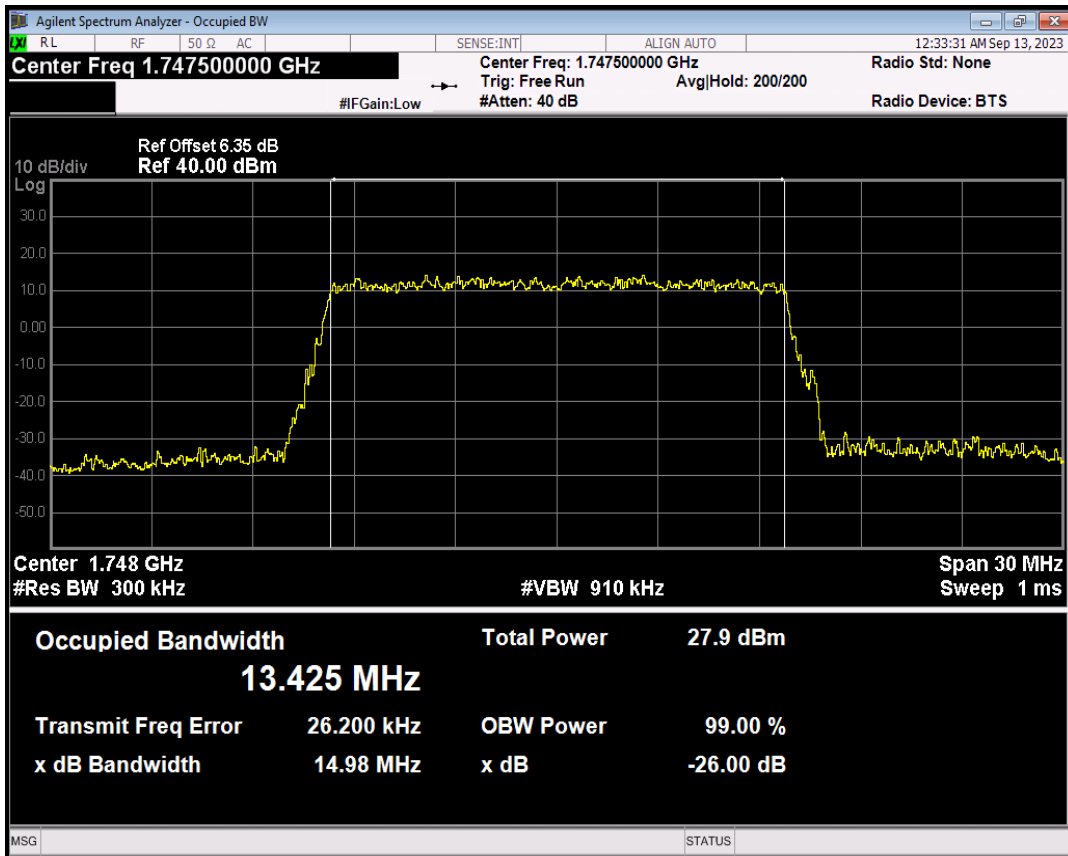
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



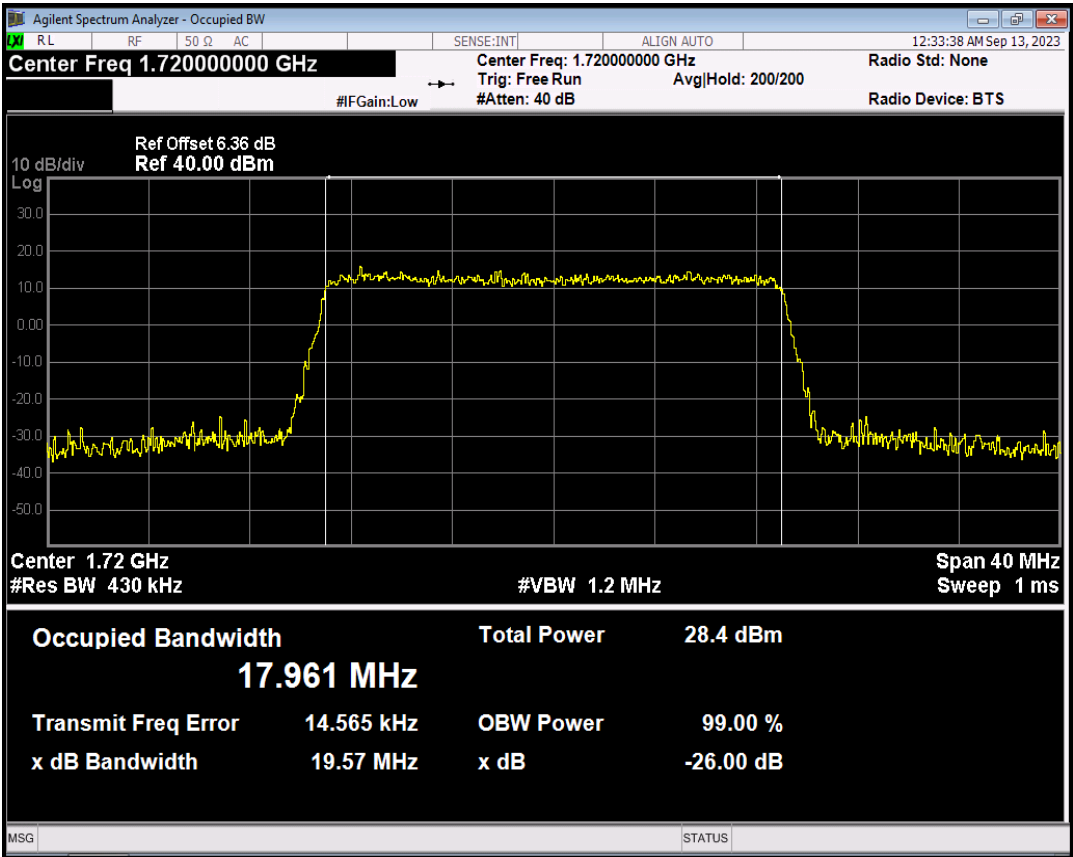
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



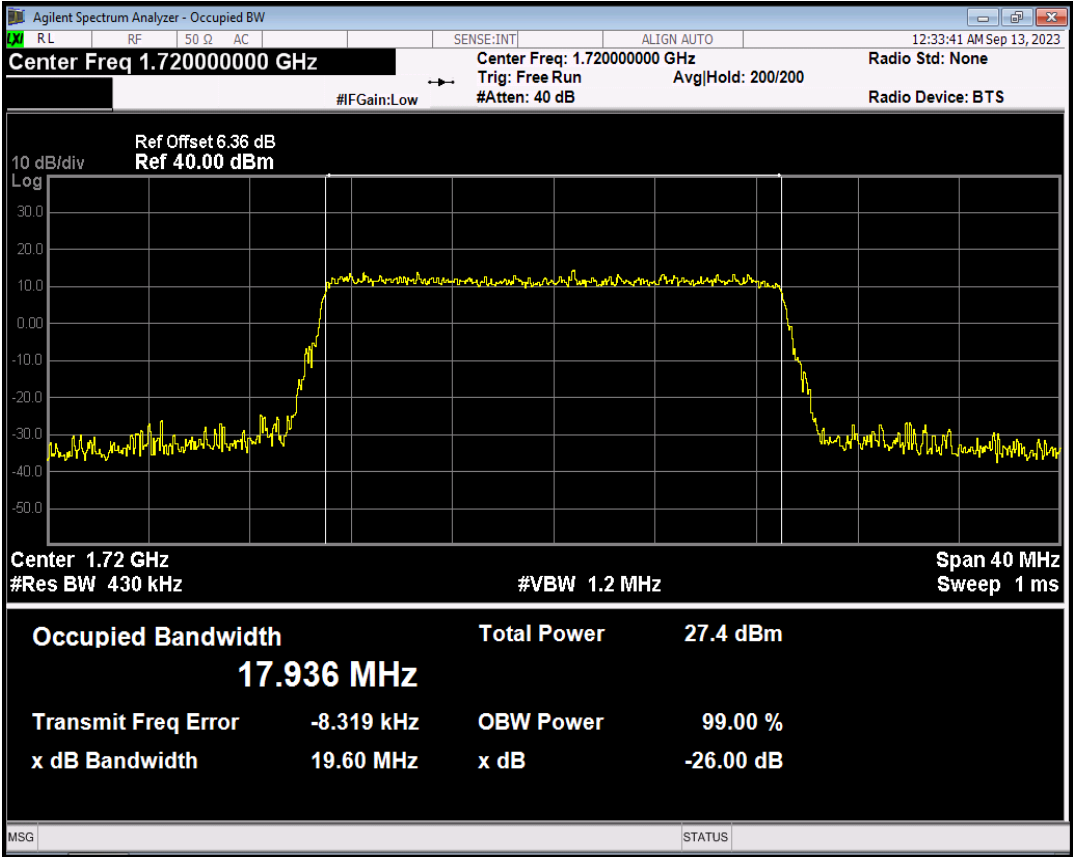
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



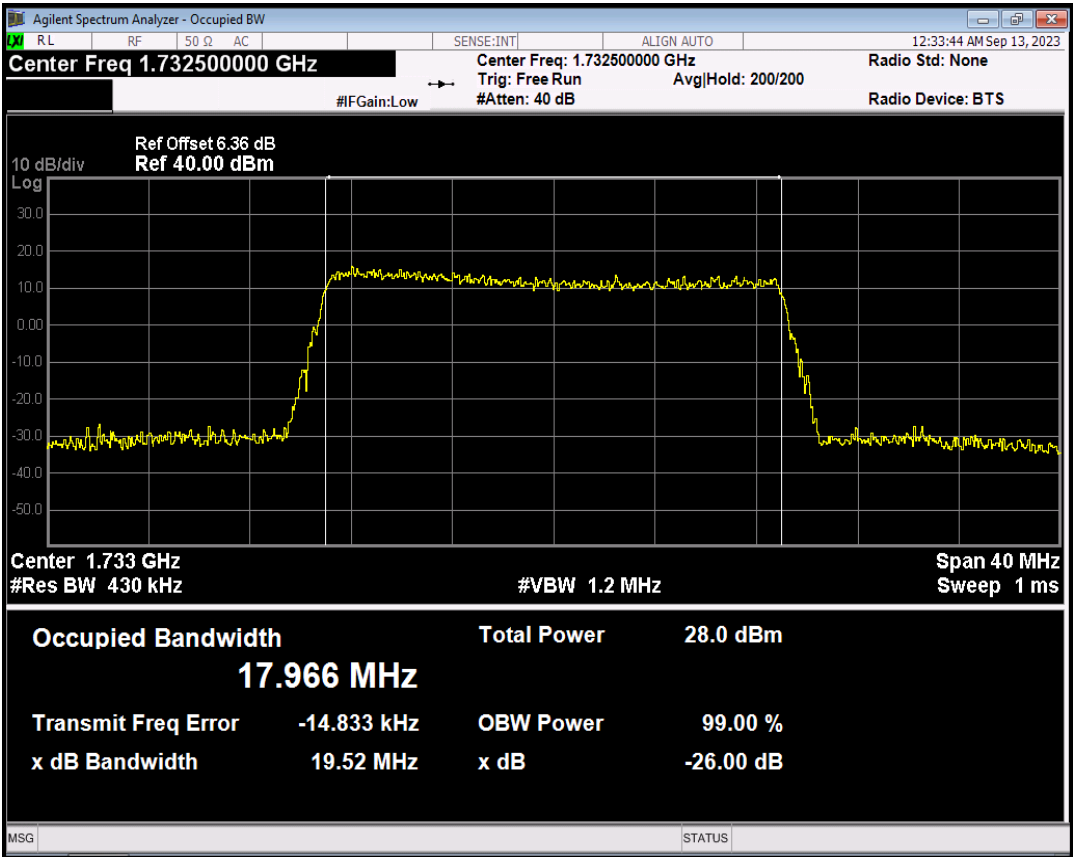
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



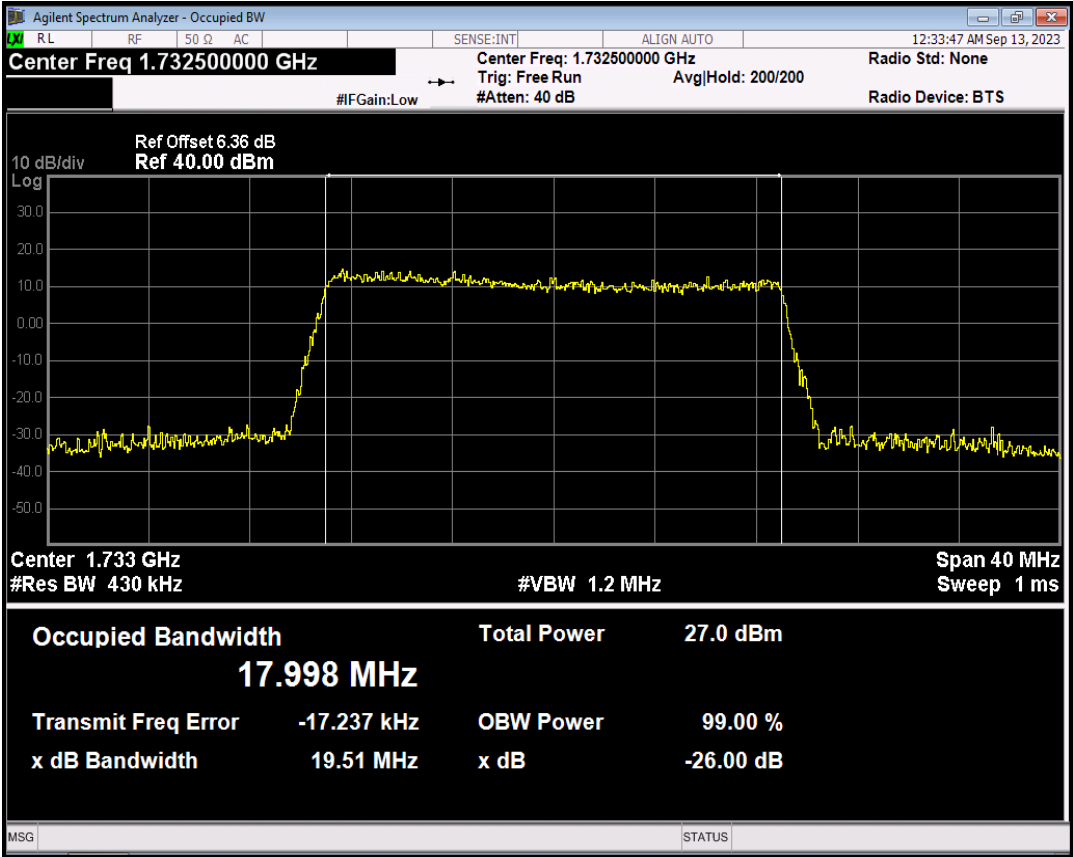
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



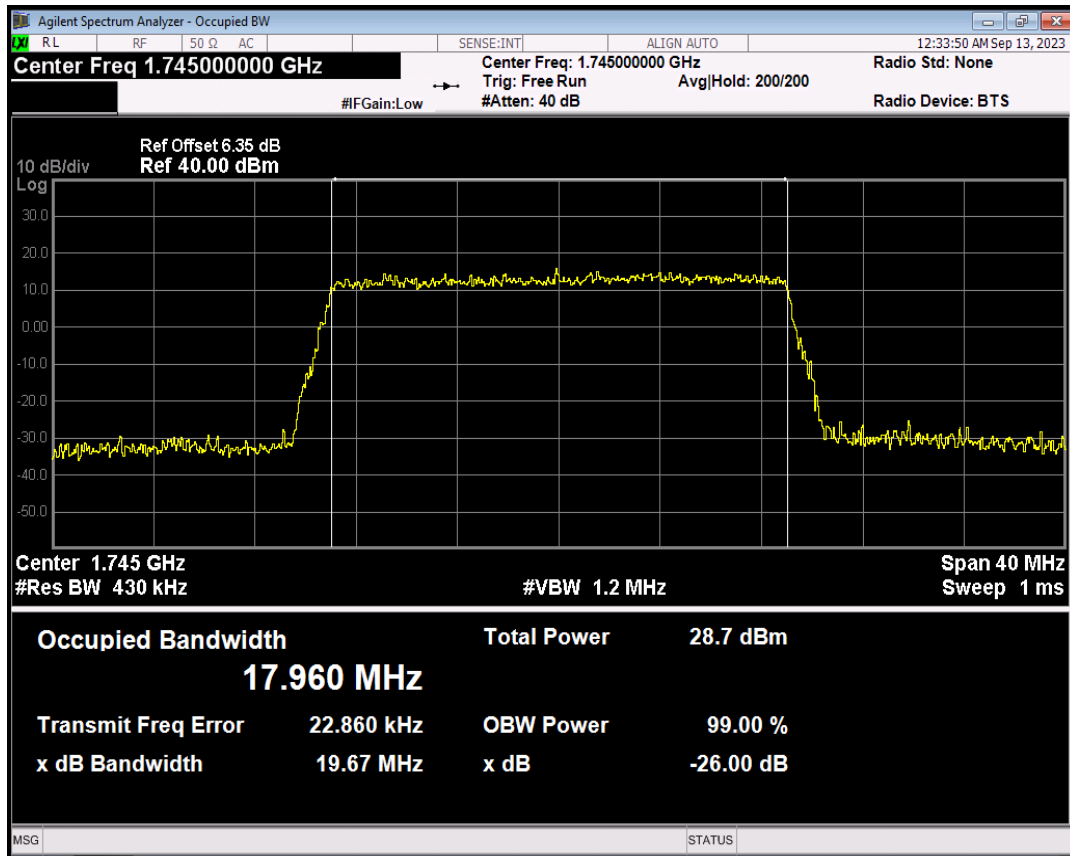
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



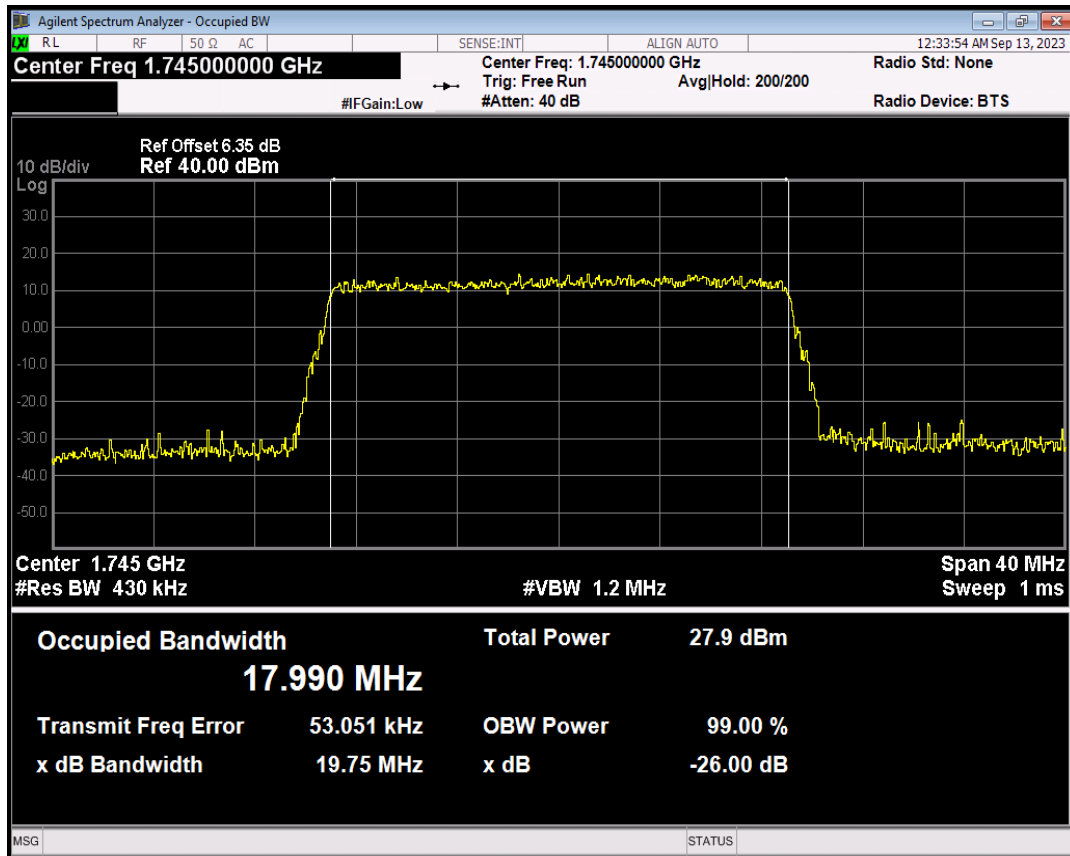
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



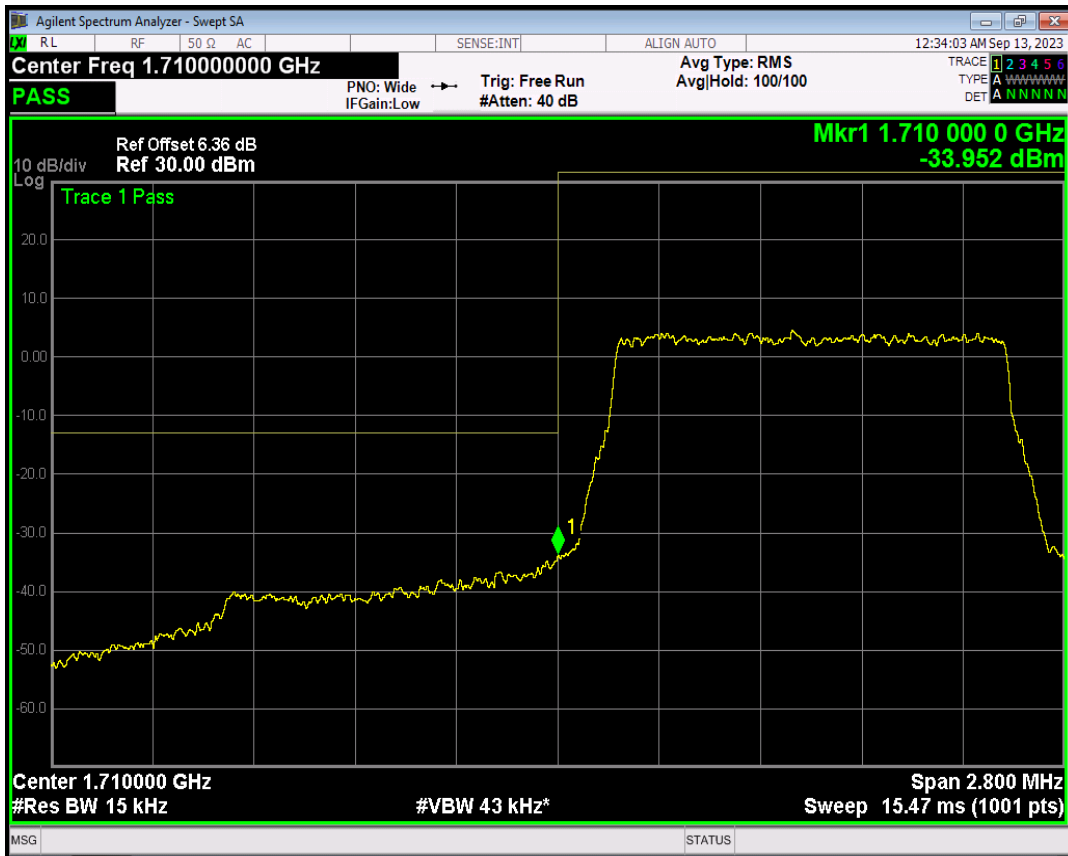
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



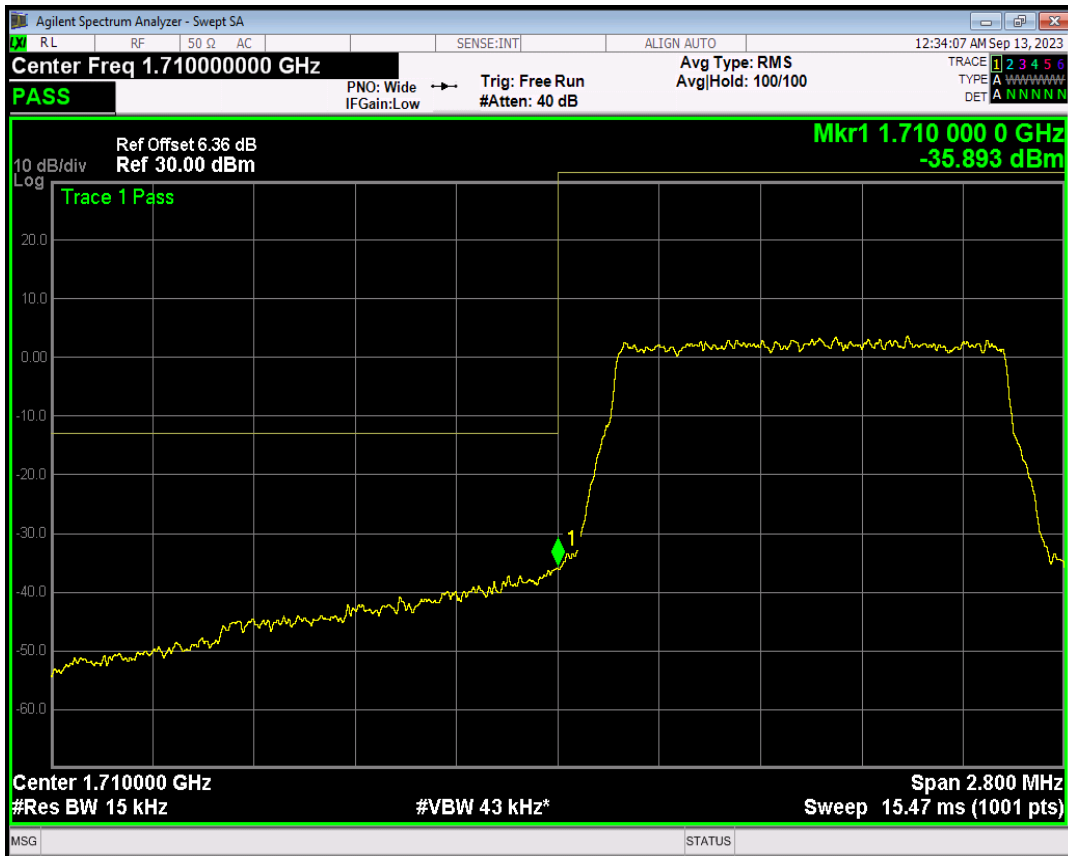
Appendix 5. Band edge

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	-33.95	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-35.89	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-38.96	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.01	-38.26	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-25.66	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-27.33	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-28.33	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-28.57	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.98	-32.39	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-31.77	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.02	-36.14	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-34.27	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-35.37	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-37.02	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-35.38	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.02	-38.33	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.94	-36.42	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.91	-37.14	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-36.34	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.06	-37.21	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-39.47	-13	PASS
Band4	20	20050	100	#0	16QAM	1710.00	-39.92	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.20	-40.61	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.16	-40.85	-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



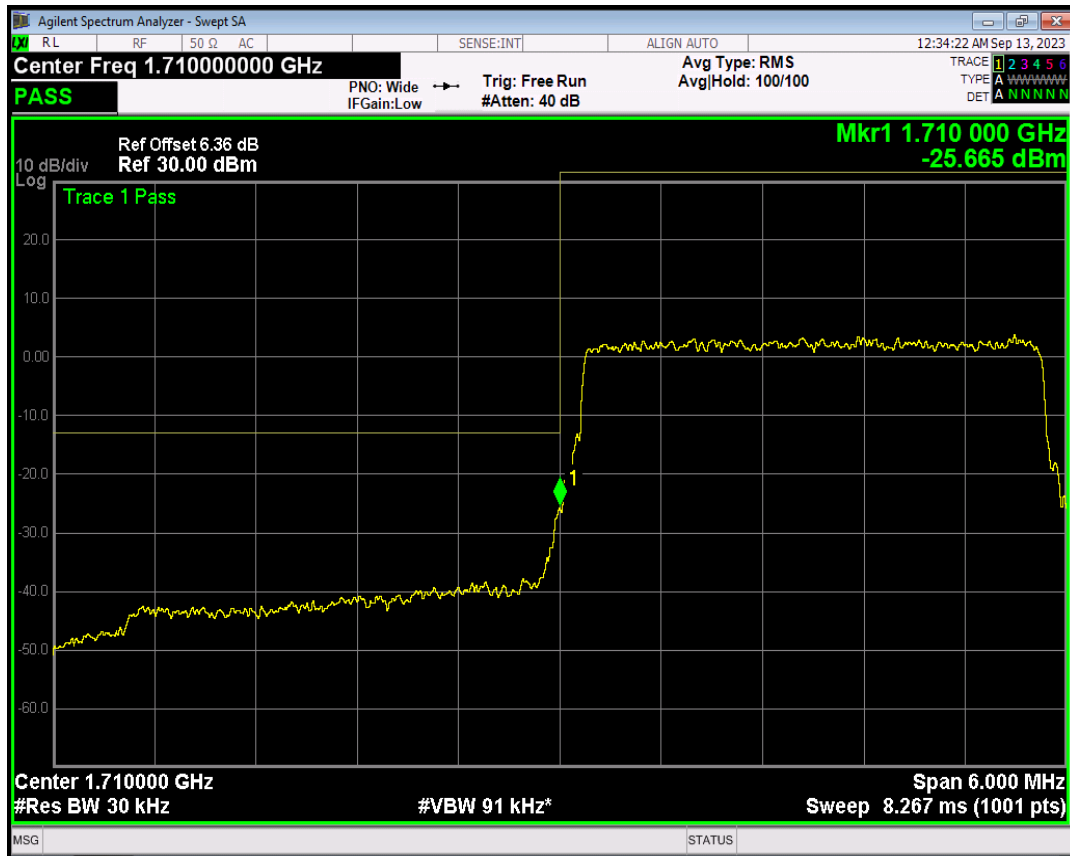
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



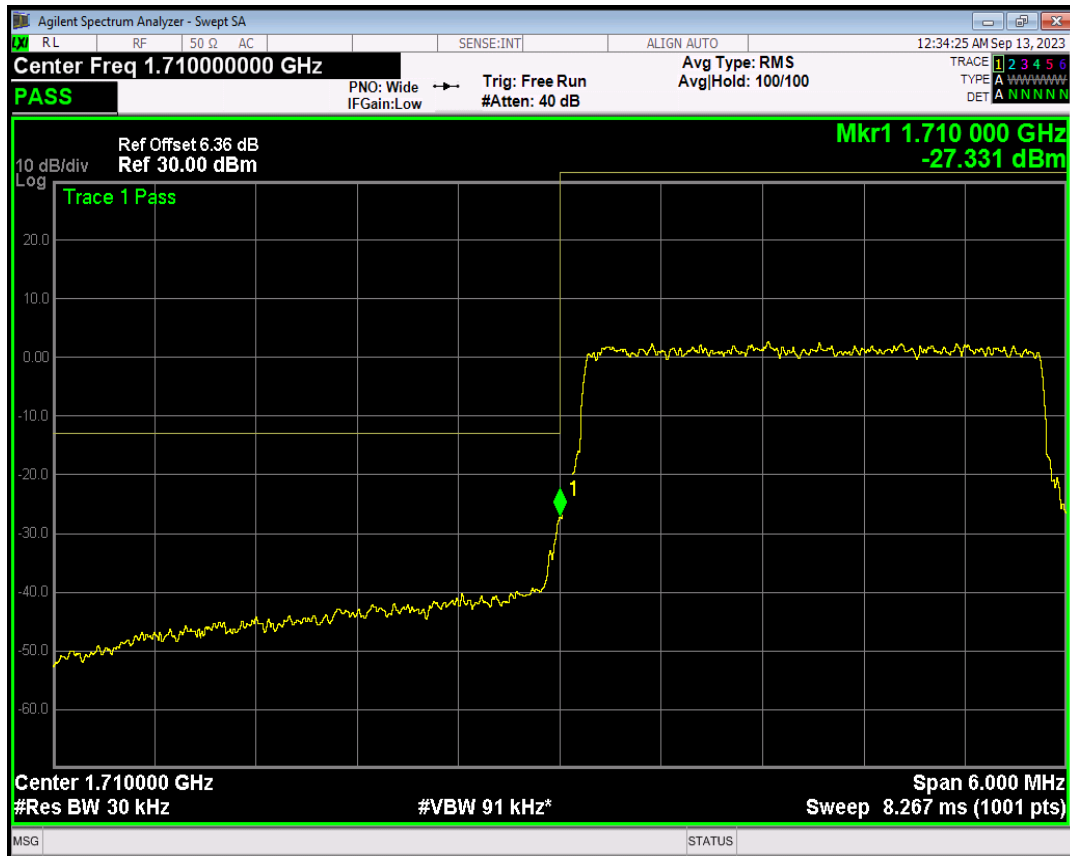
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



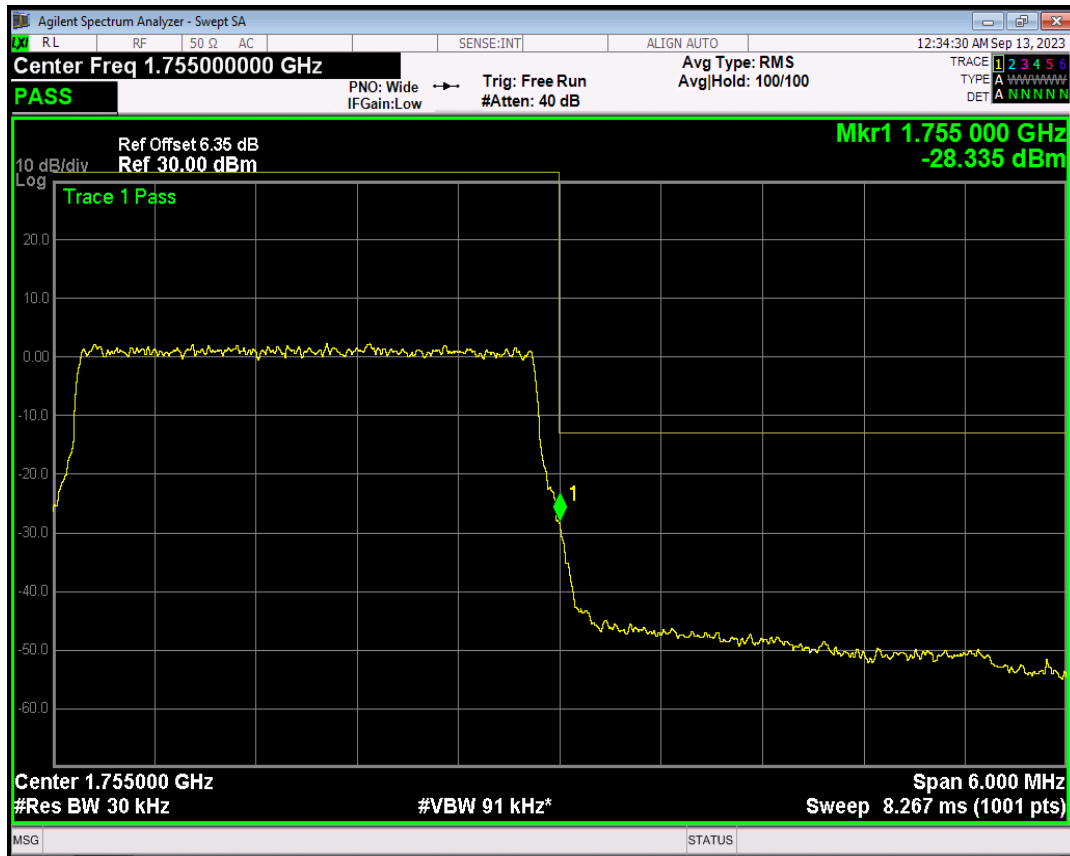
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



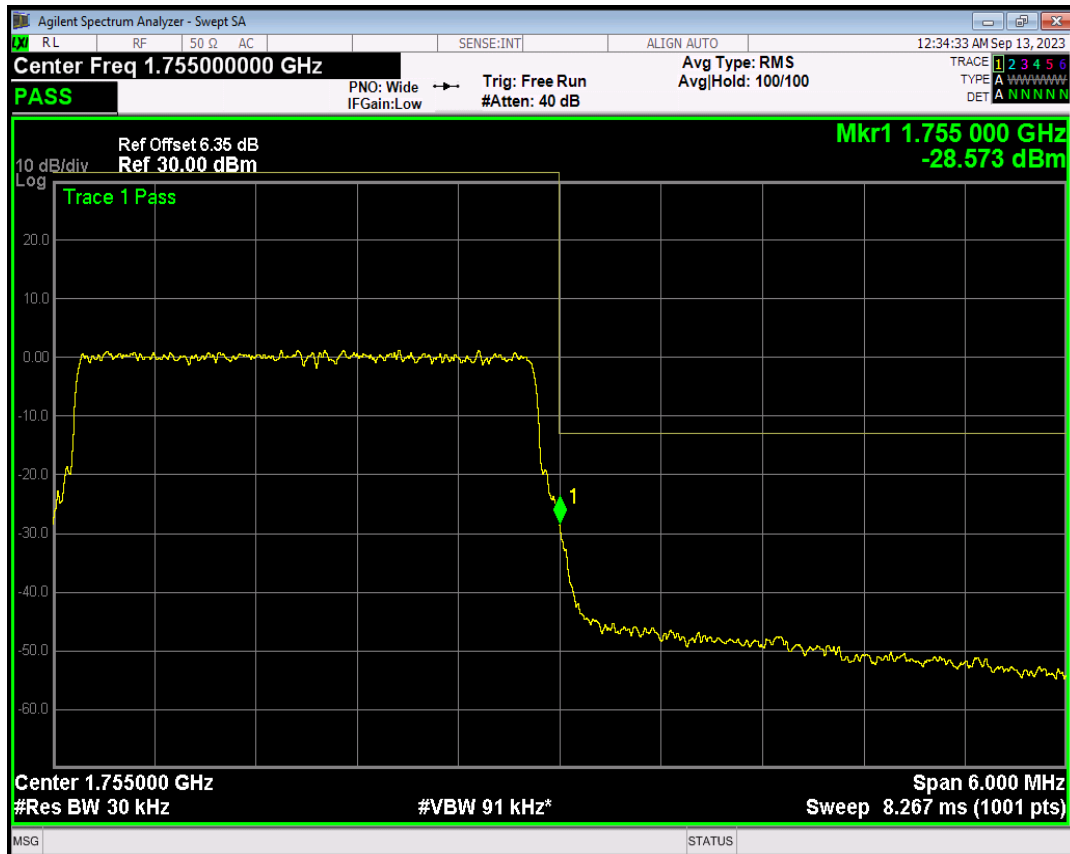
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



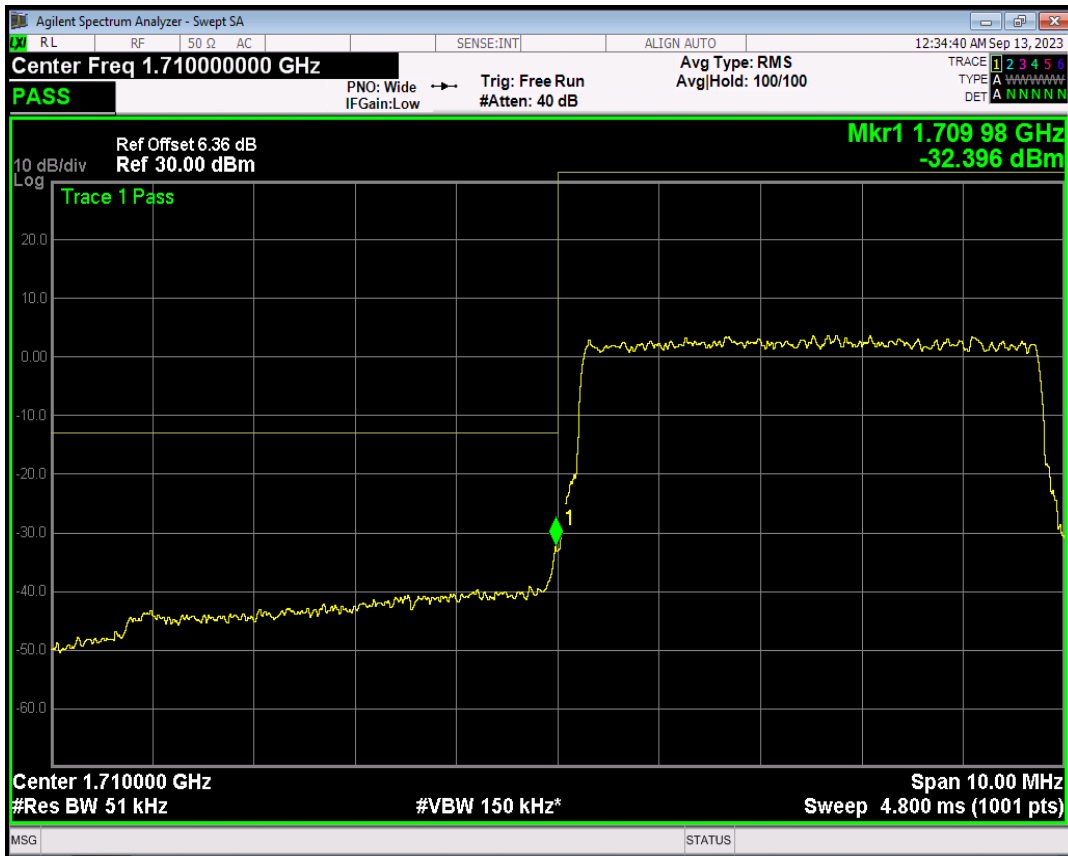
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



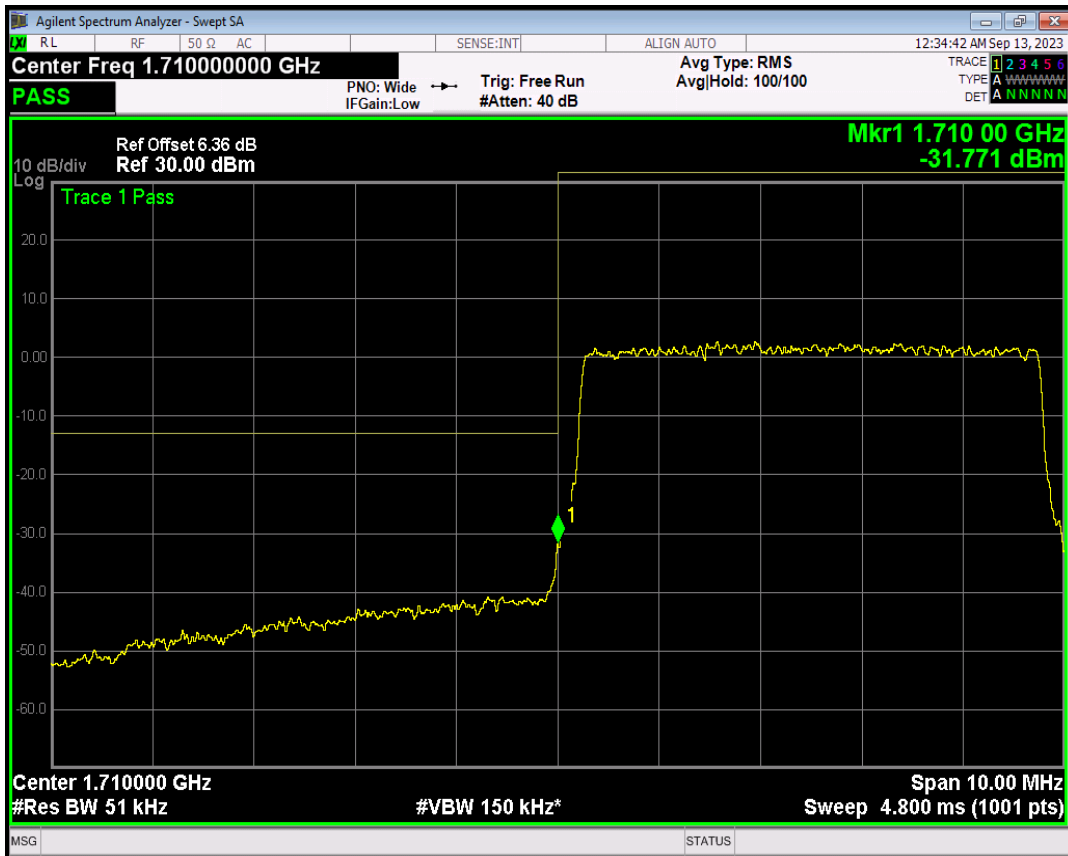
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



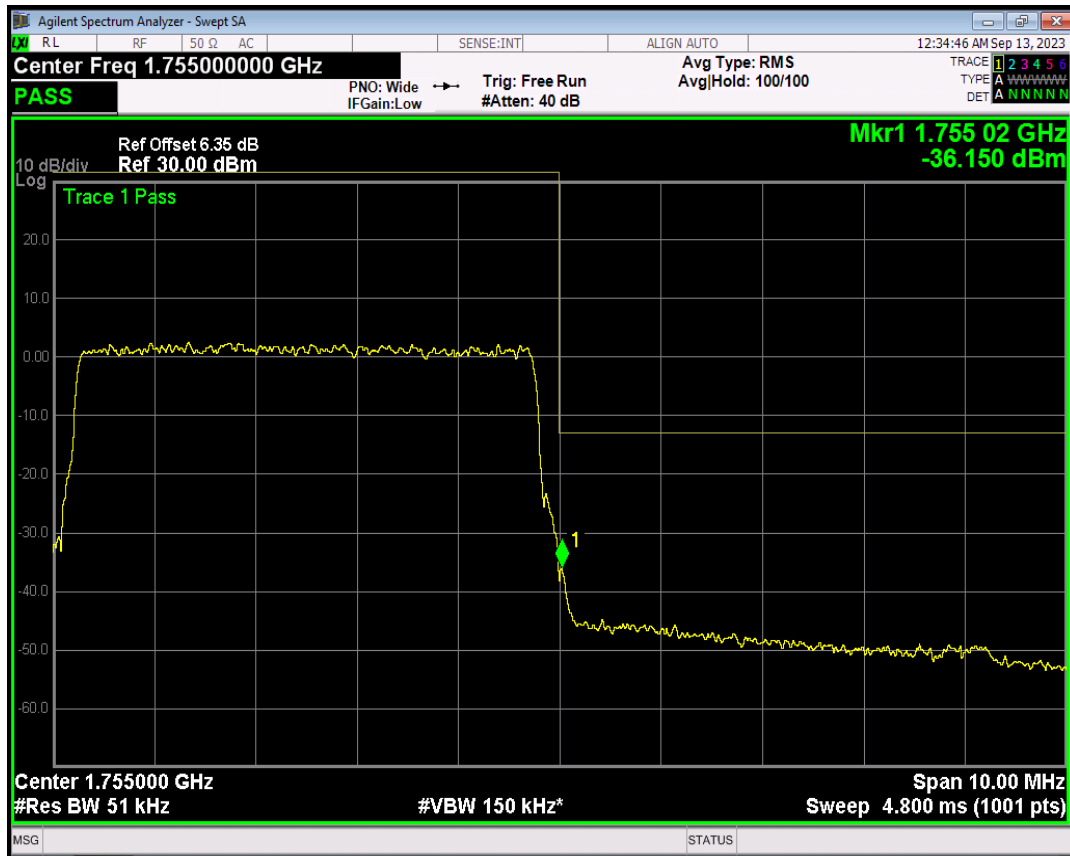
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



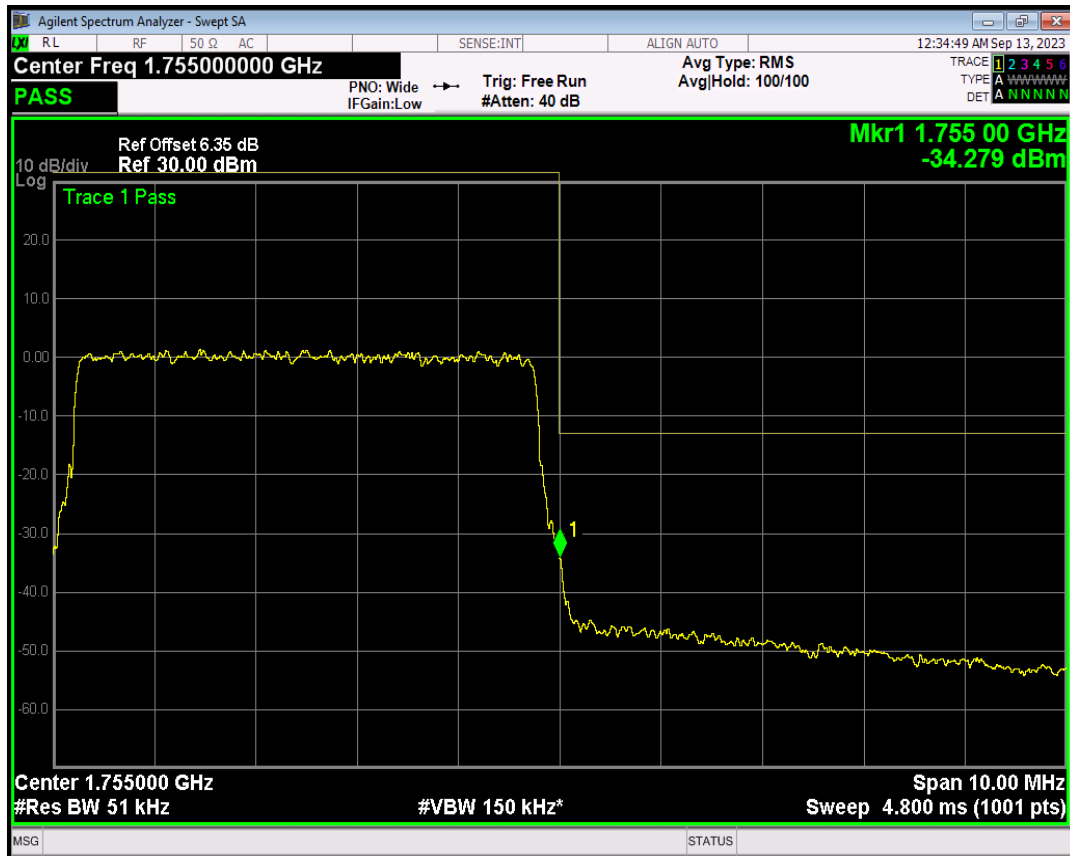
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



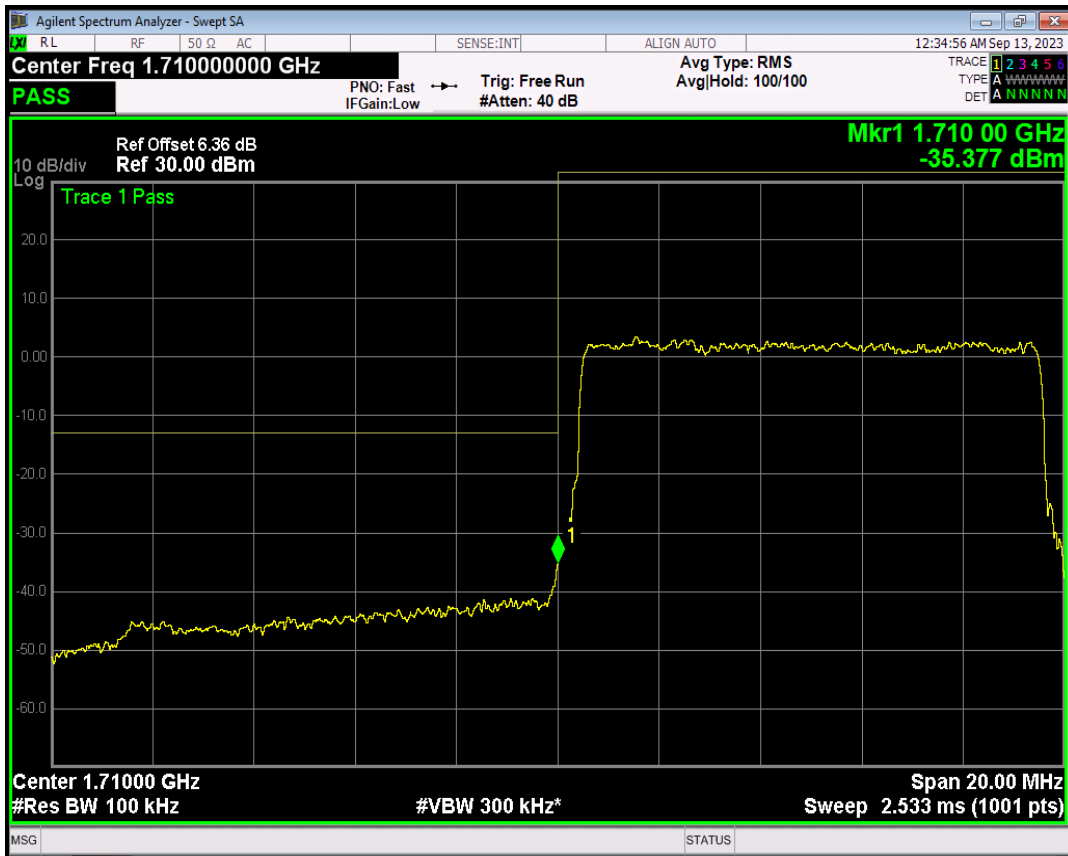
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



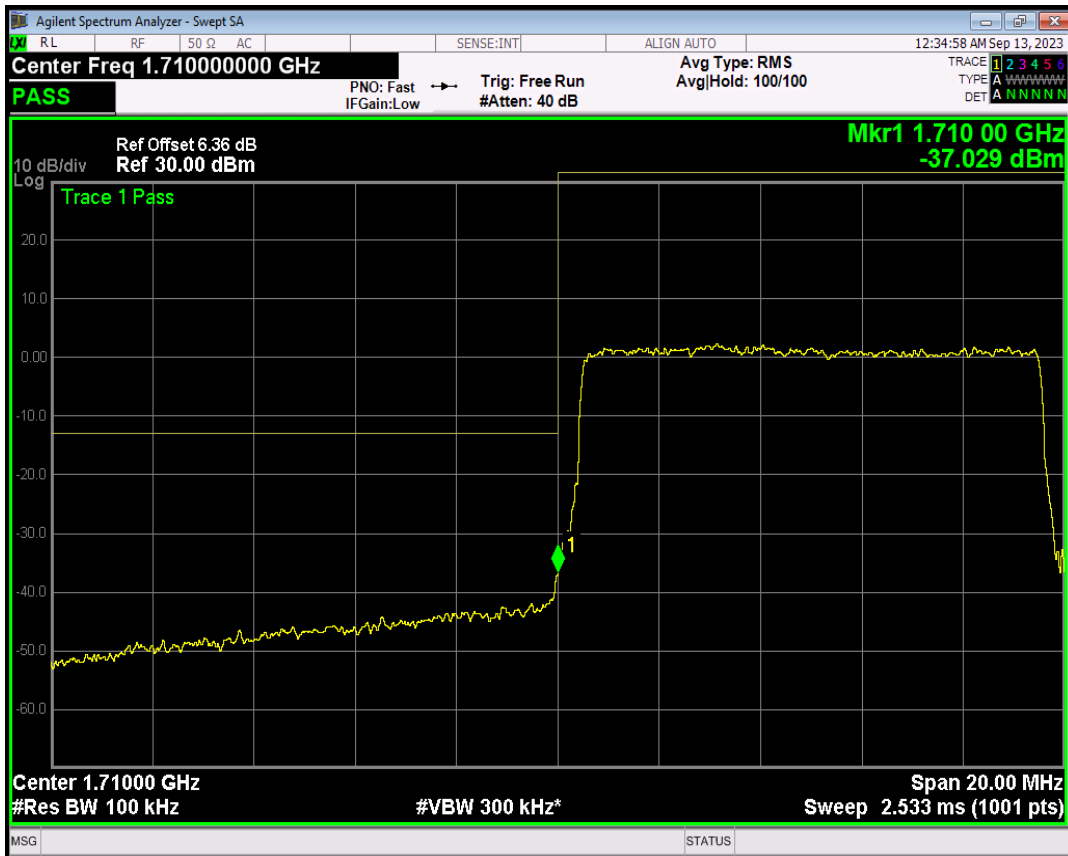
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



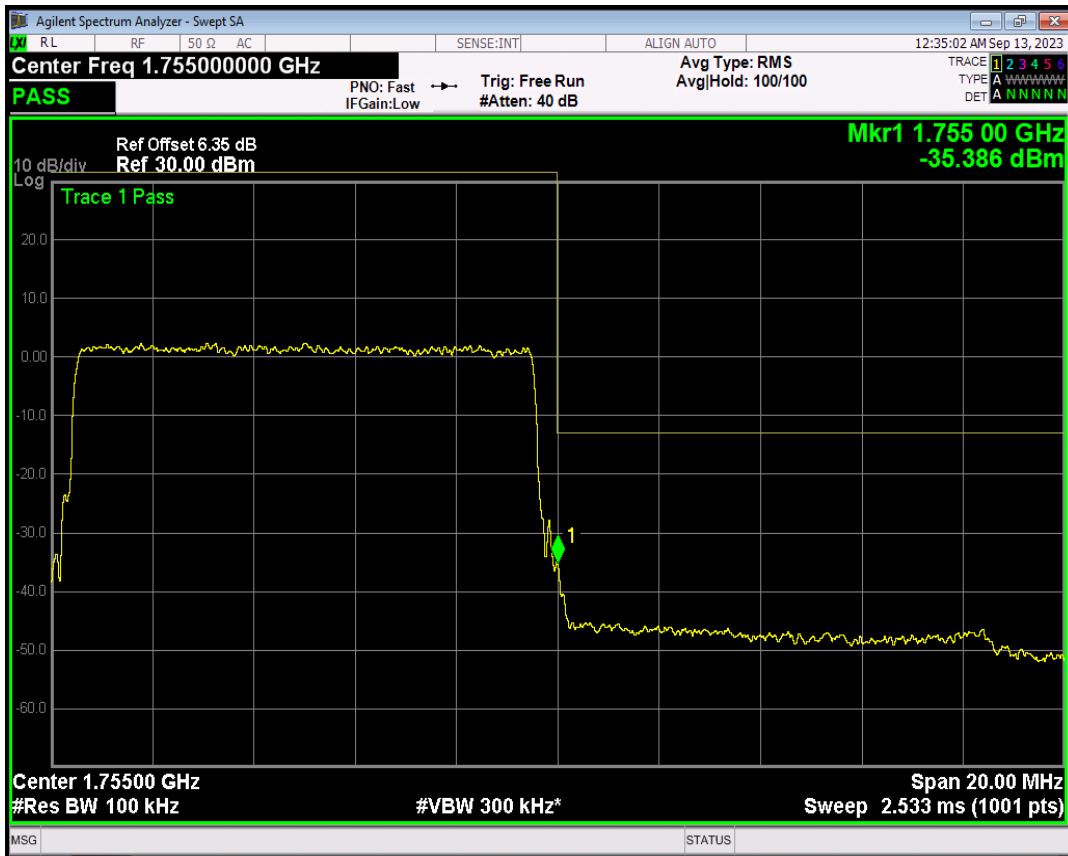
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



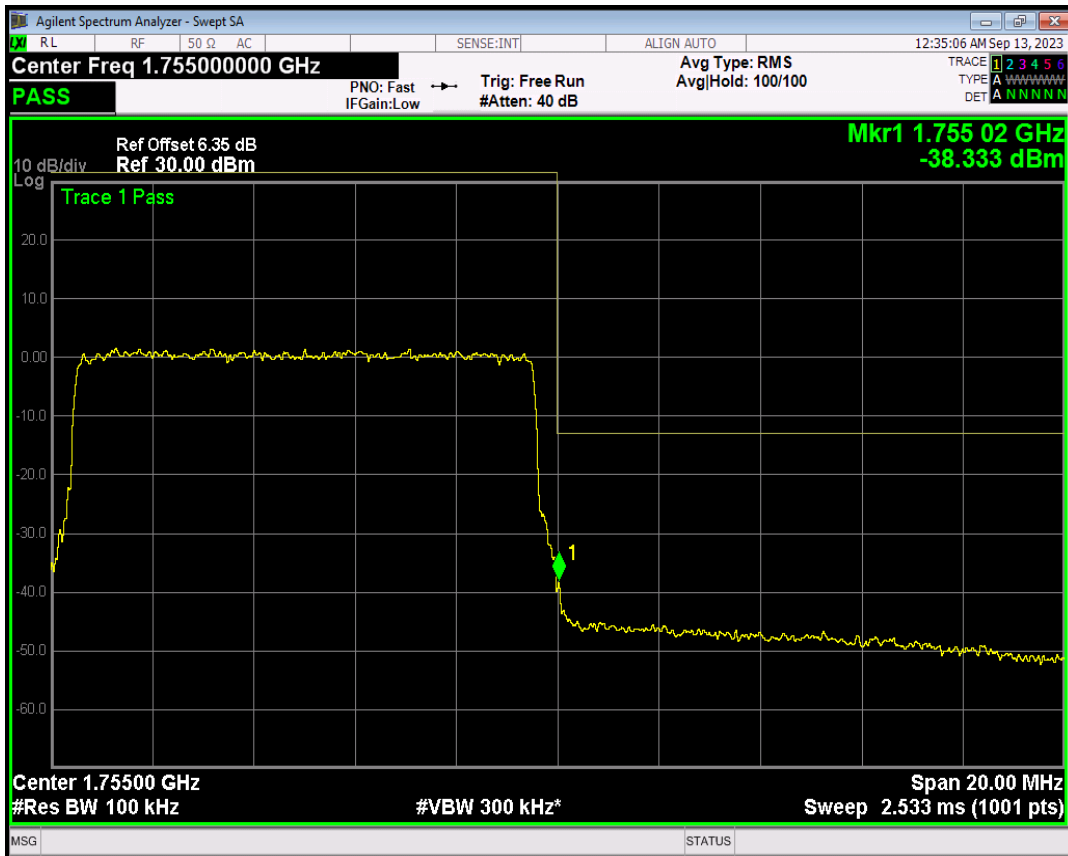
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



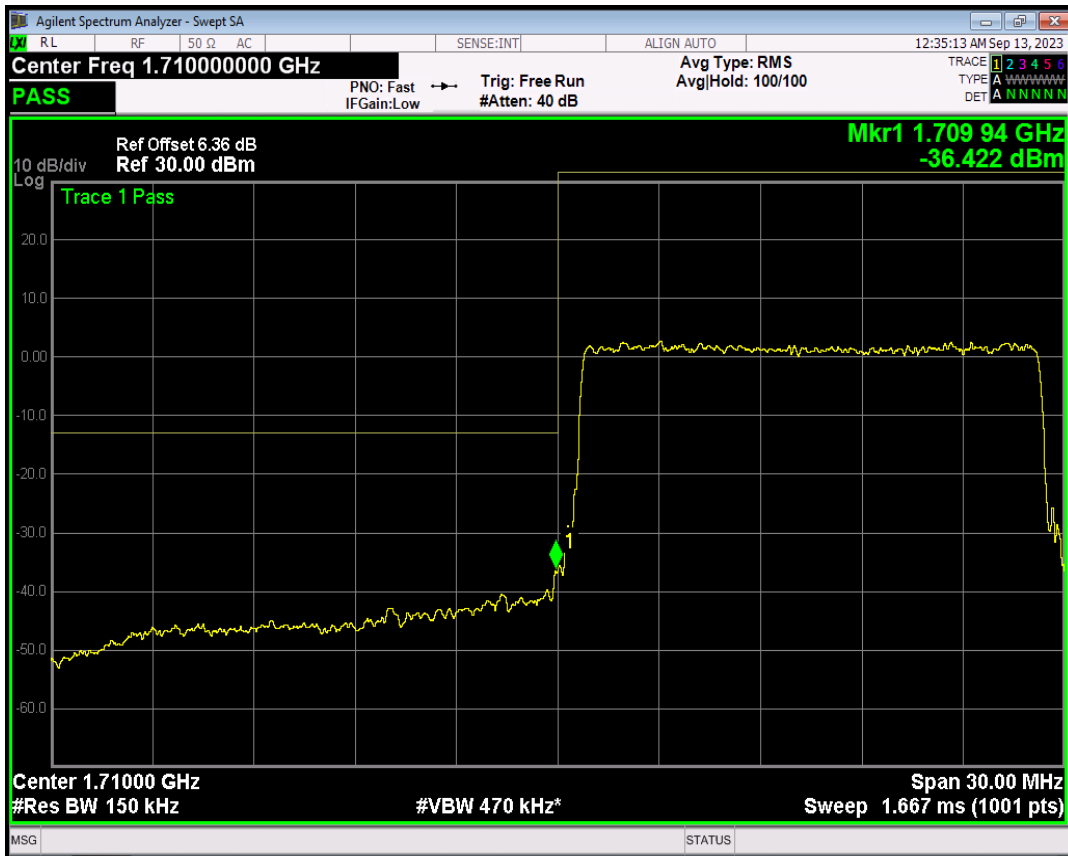
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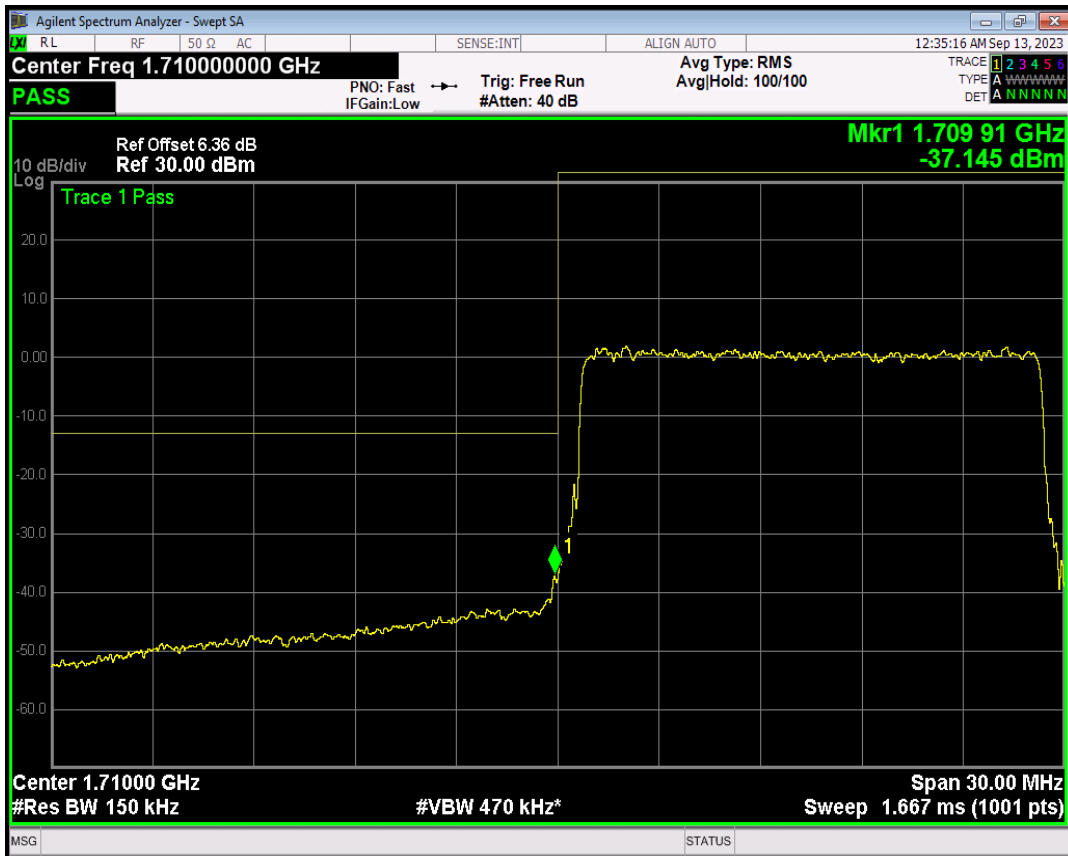
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



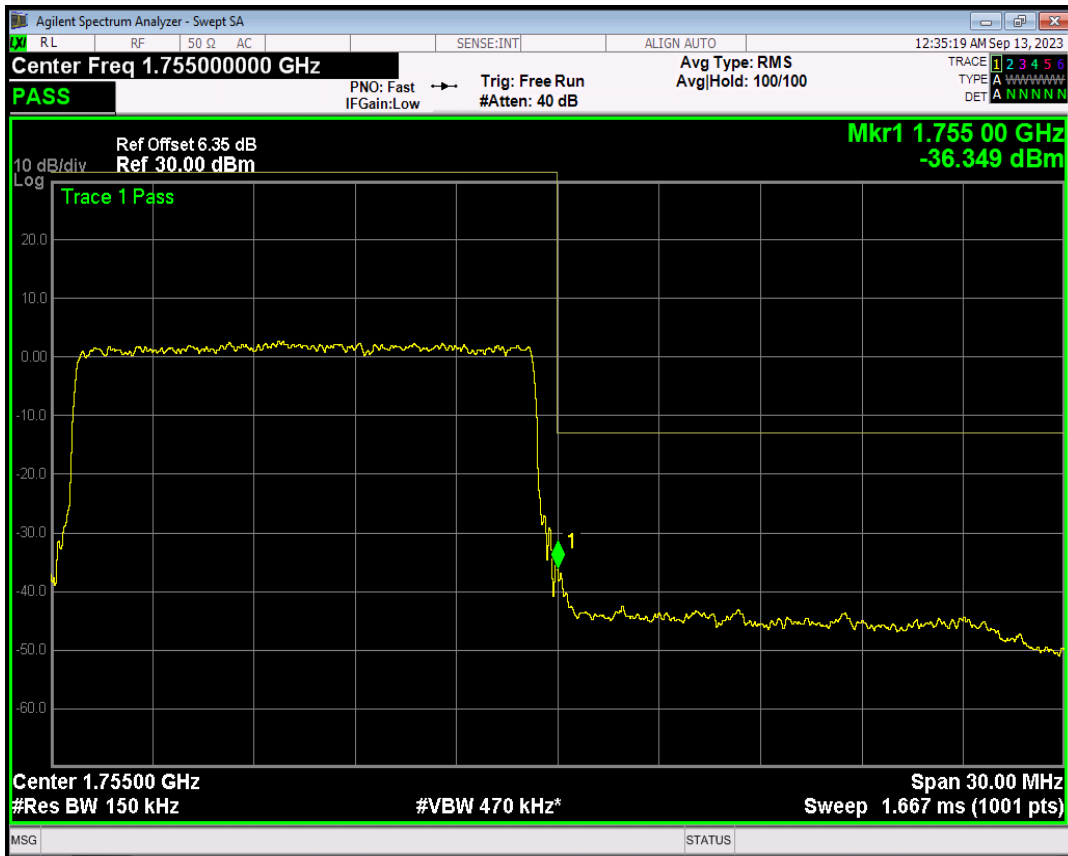
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



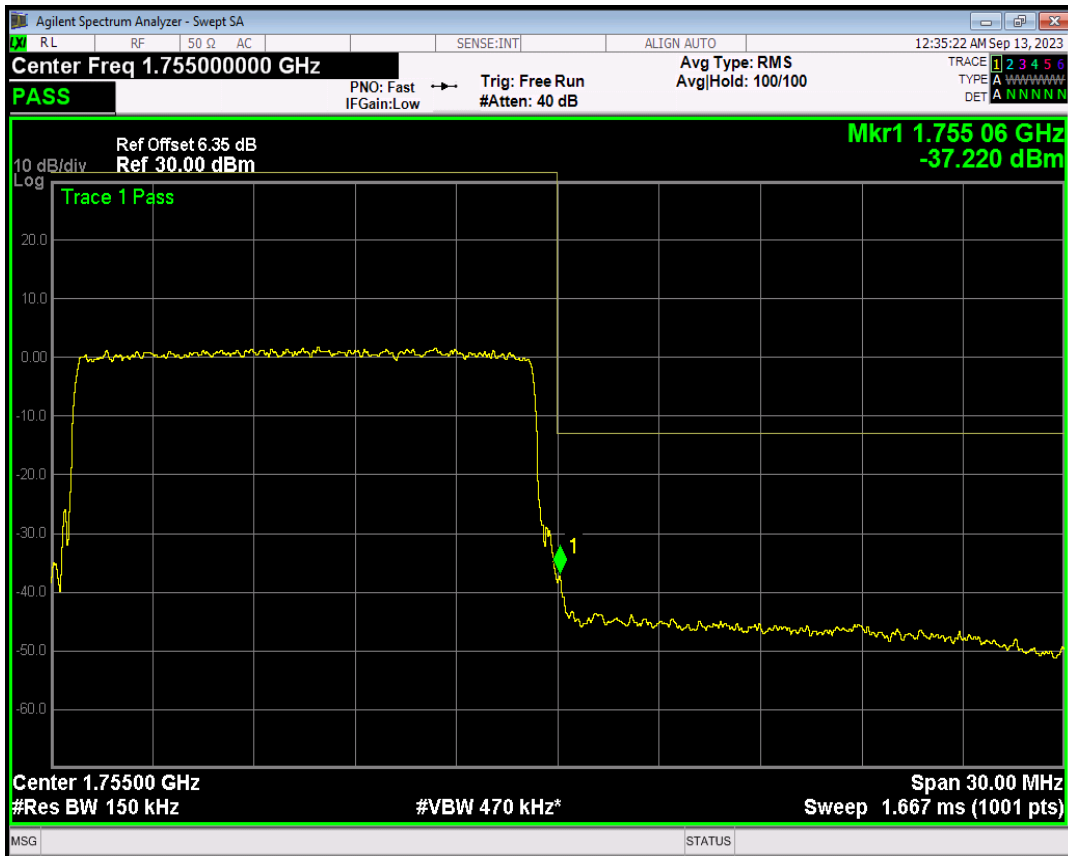
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



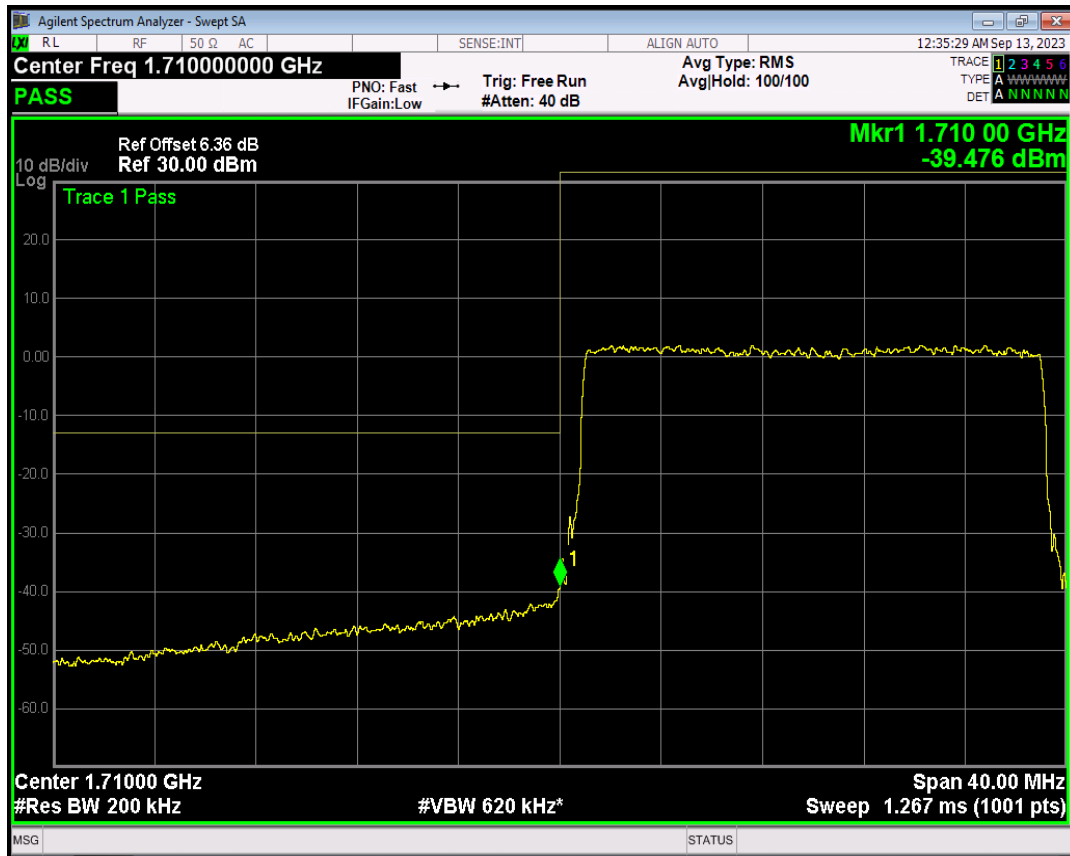
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



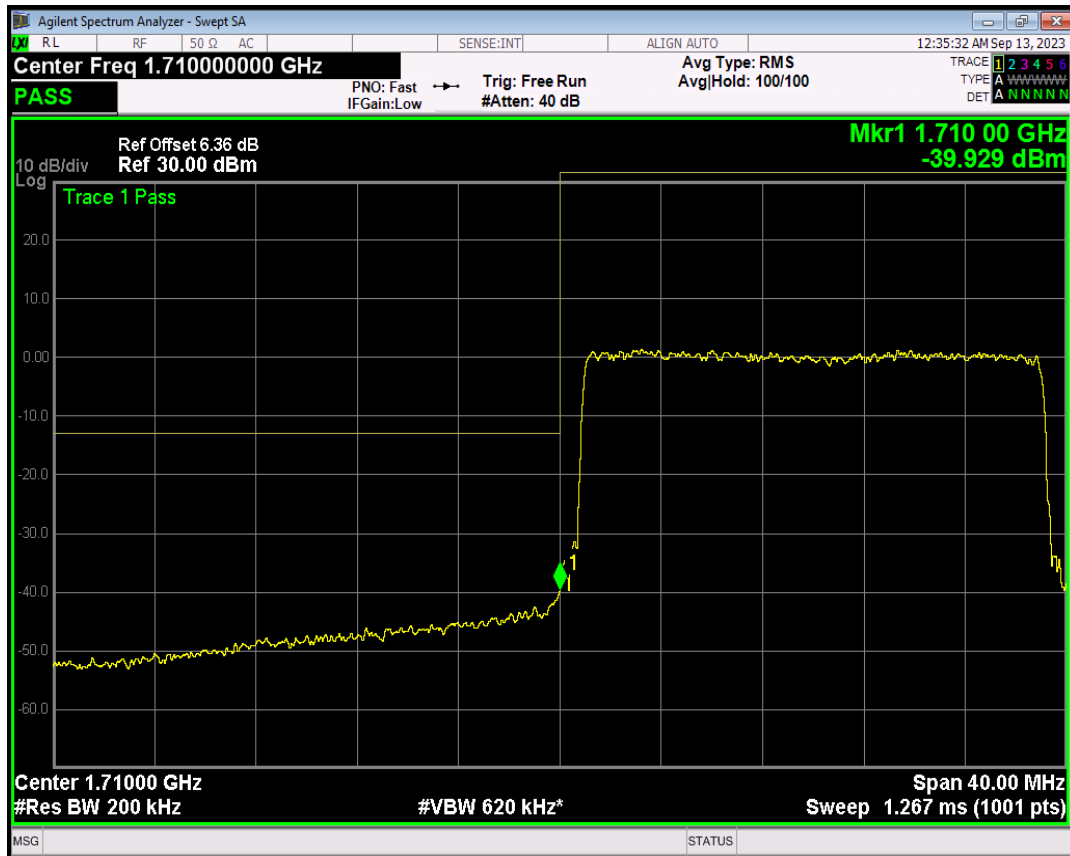
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



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



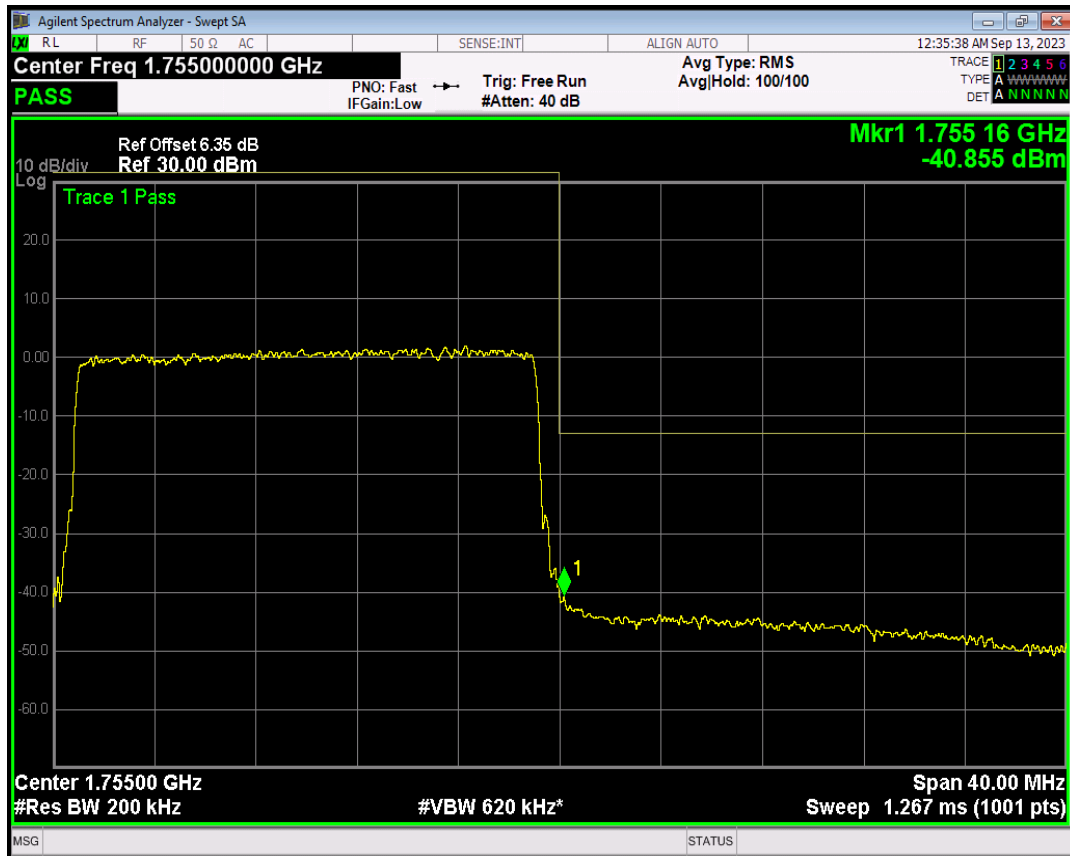
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



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



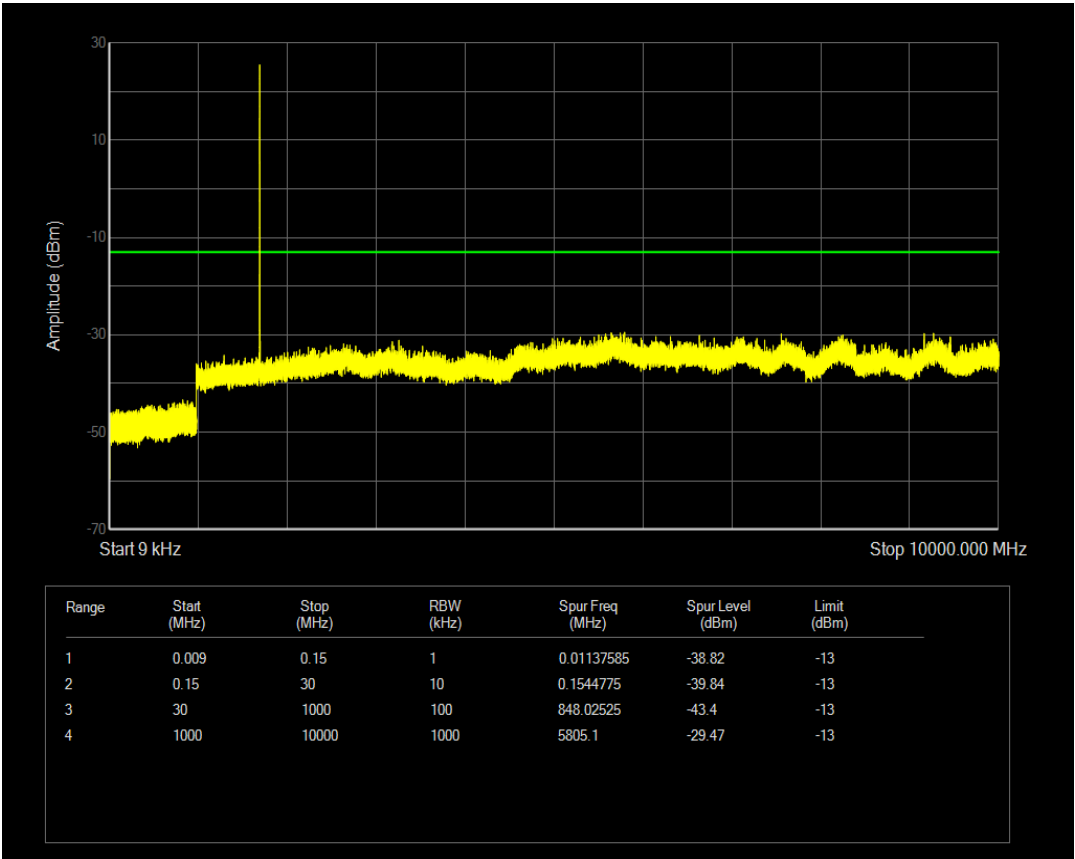
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



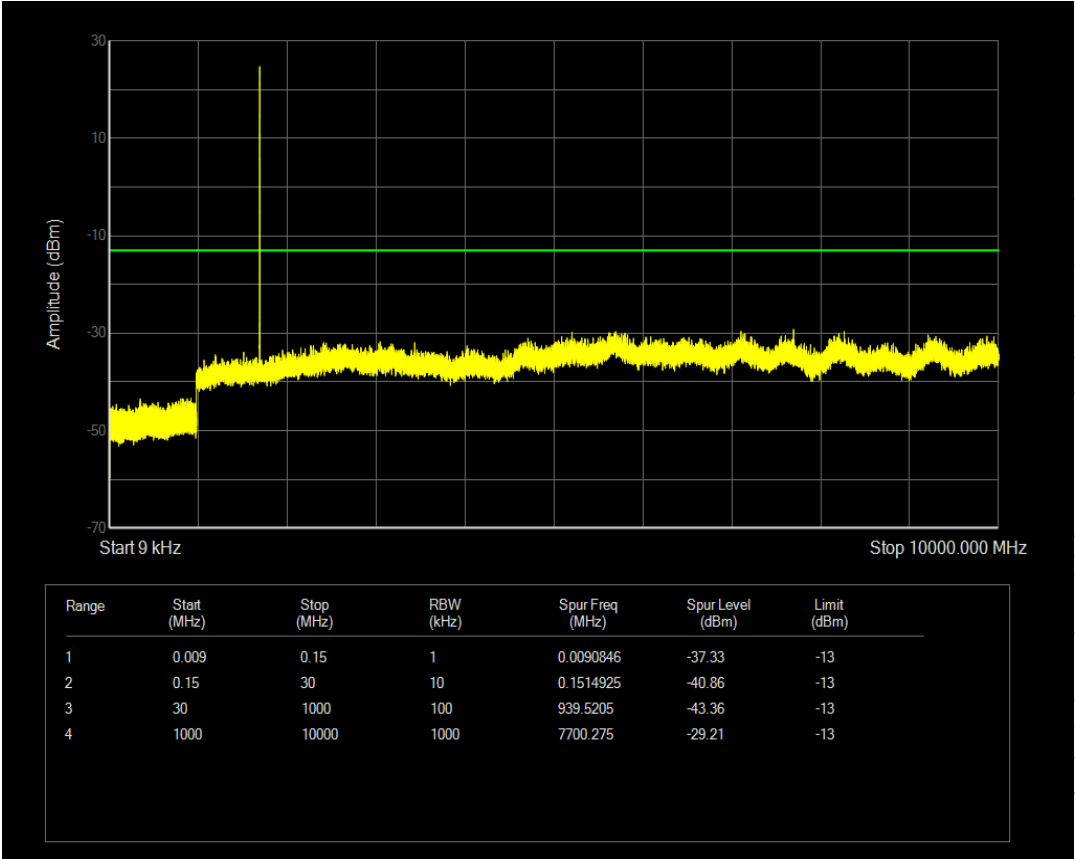
Appendix 6. Out-of-band emissions

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	5805.10	-29.47	-13	PASS
Band4	1.4	19957	6	#0	16QAM	7700.28	-29.21	-13	PASS
Band4	1.4	20175	6	#0	QPSK	5670.10	-28.92	-13	PASS
Band4	1.4	20175	6	#0	16QAM	5752.68	-28.21	-13	PASS
Band4	1.4	20393	6	#0	QPSK	5684.28	-29.37	-13	PASS
Band4	1.4	20393	6	#0	16QAM	7039.00	-29.13	-13	PASS
Band4	3	19965	15	#0	QPSK	5724.78	-28.48	-13	PASS
Band4	3	19965	15	#0	16QAM	8225.65	-29.49	-13	PASS
Band4	3	20175	15	#0	QPSK	5661.33	-28.99	-13	PASS
Band4	3	20175	15	#0	16QAM	8159.28	-29.43	-13	PASS
Band4	3	20385	15	#0	QPSK	5697.55	-29.06	-13	PASS
Band4	3	20385	15	#0	16QAM	5658.85	-29.28	-13	PASS
Band4	5	19975	25	#0	QPSK	5698.68	-28.47	-13	PASS
Band4	5	19975	25	#0	16QAM	8307.33	-29.08	-13	PASS
Band4	5	20175	25	#0	QPSK	7137.33	-29.33	-13	PASS
Band4	5	20175	25	#0	16QAM	5678.88	-28.58	-13	PASS
Band4	5	20375	25	#0	QPSK	5689.90	-28.26	-13	PASS
Band4	5	20375	25	#0	16QAM	5608.45	-28.80	-13	PASS
Band4	10	20000	50	#0	QPSK	7661.58	-29.29	-13	PASS
Band4	10	20000	50	#0	16QAM	5491.23	-29.22	-13	PASS
Band4	10	20175	50	#0	QPSK	6467.50	-29.25	-13	PASS
Band4	10	20175	50	#0	16QAM	5694.85	-29.29	-13	PASS
Band4	10	20350	50	#0	QPSK	5684.05	-29.10	-13	PASS
Band4	10	20350	50	#0	16QAM	7111.00	-28.43	-13	PASS
Band4	15	20025	75	#0	QPSK	5769.55	-29.10	-13	PASS
Band4	15	20025	75	#0	16QAM	5708.13	-29.46	-13	PASS
Band4	15	20175	75	#0	QPSK	5719.15	-28.54	-13	PASS
Band4	15	20175	75	#0	16QAM	5746.15	-29.22	-13	PASS
Band4	15	20325	75	#0	QPSK	5661.10	-28.50	-13	PASS
Band4	15	20325	75	#0	16QAM	5680.00	-29.09	-13	PASS
Band4	20	20050	100	#0	QPSK	5653.90	-28.31	-13	PASS
Band4	20	20050	100	#0	16QAM	5719.83	-28.90	-13	PASS
Band4	20	20175	100	#0	QPSK	5700.93	-29.16	-13	PASS
Band4	20	20175	100	#0	16QAM	5680.68	-29.09	-13	PASS
Band4	20	20300	100	#0	QPSK	5682.03	-29.30	-13	PASS
Band4	20	20300	100	#0	16QAM	9247.38	-28.96	-13	PASS

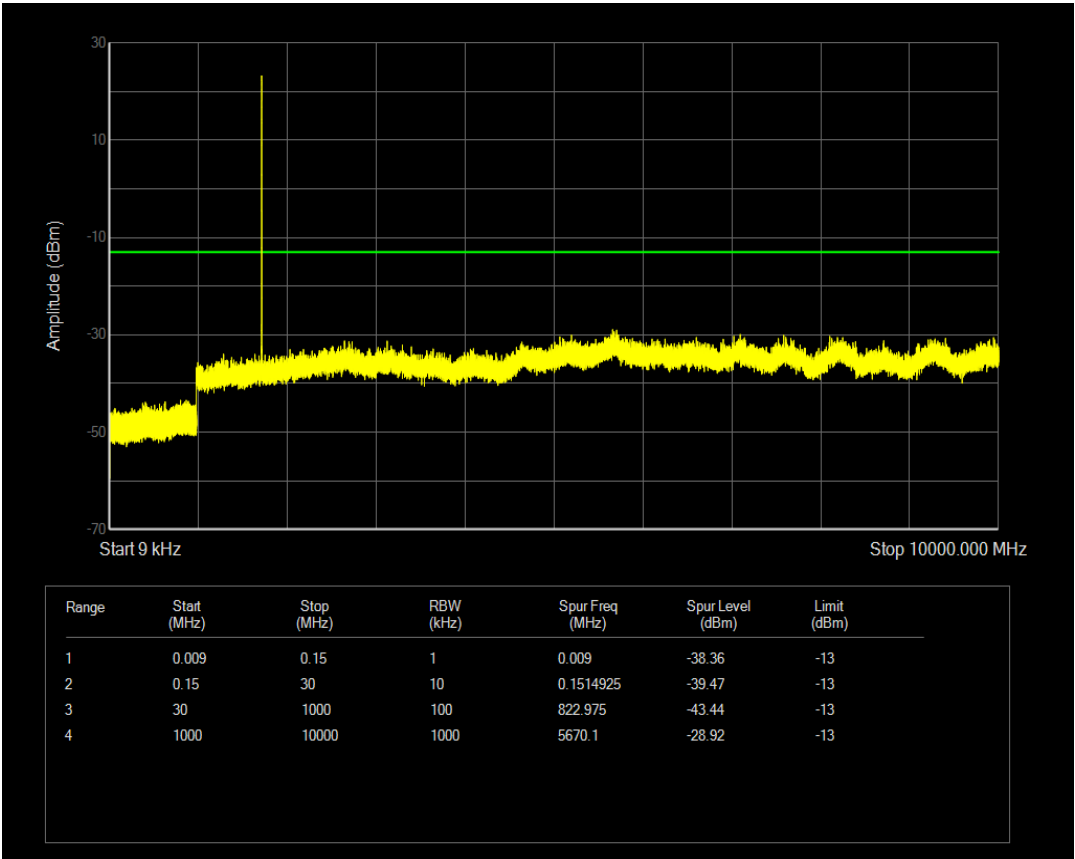
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



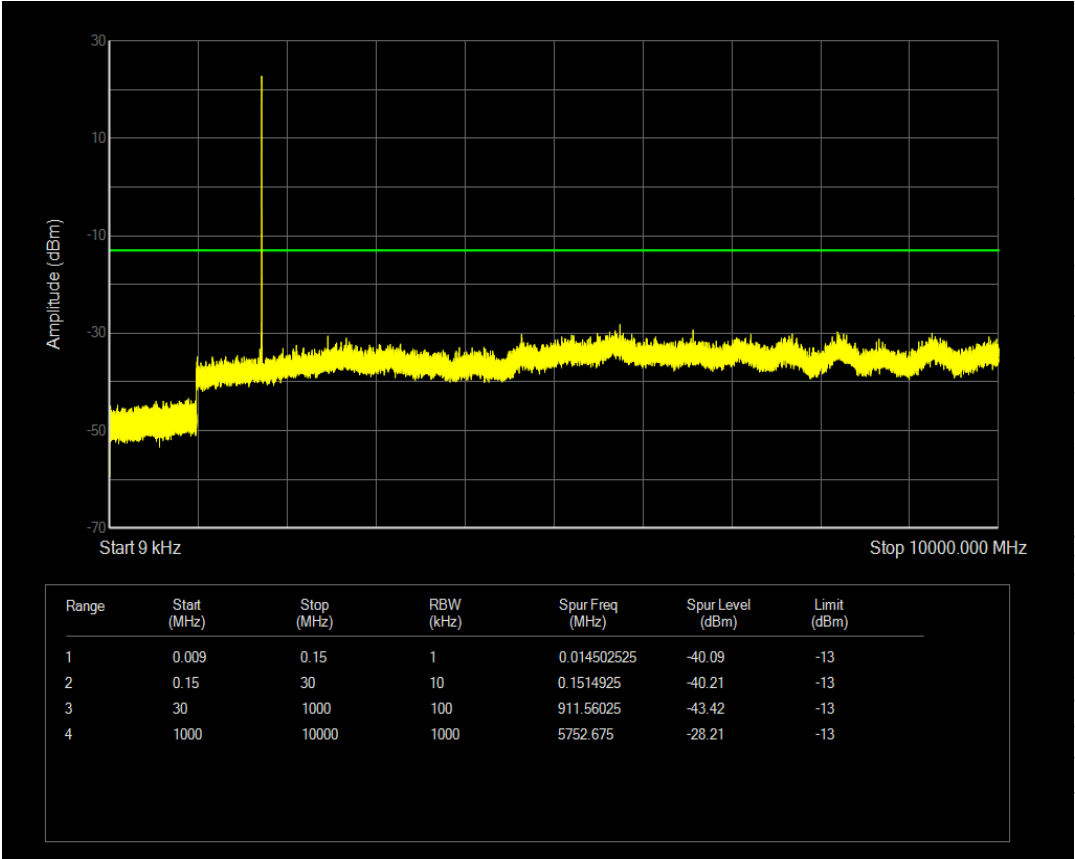
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



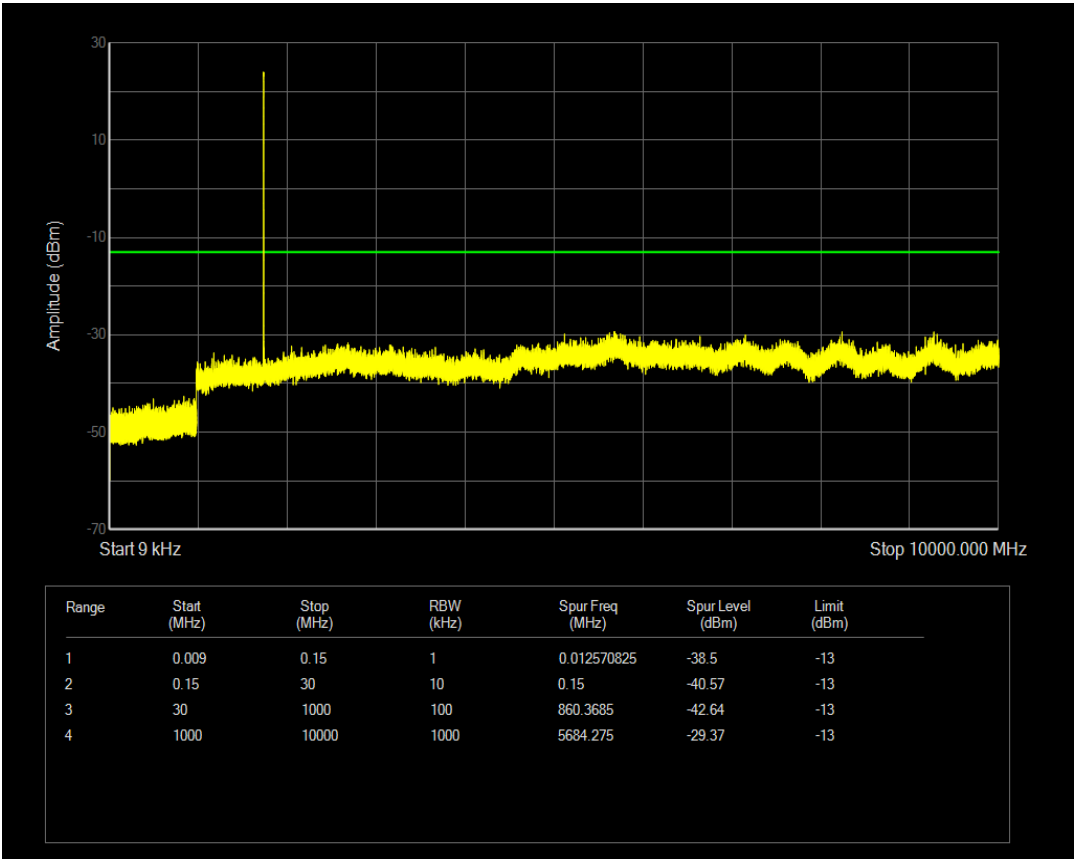
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



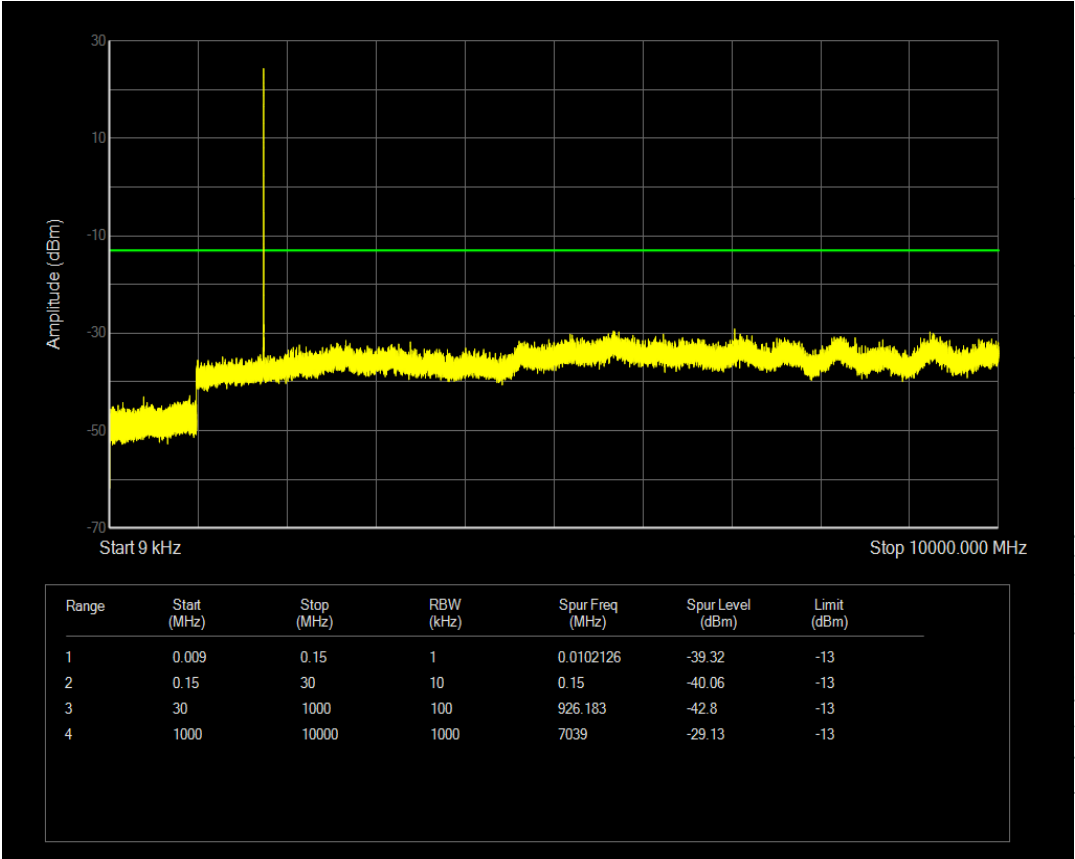
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



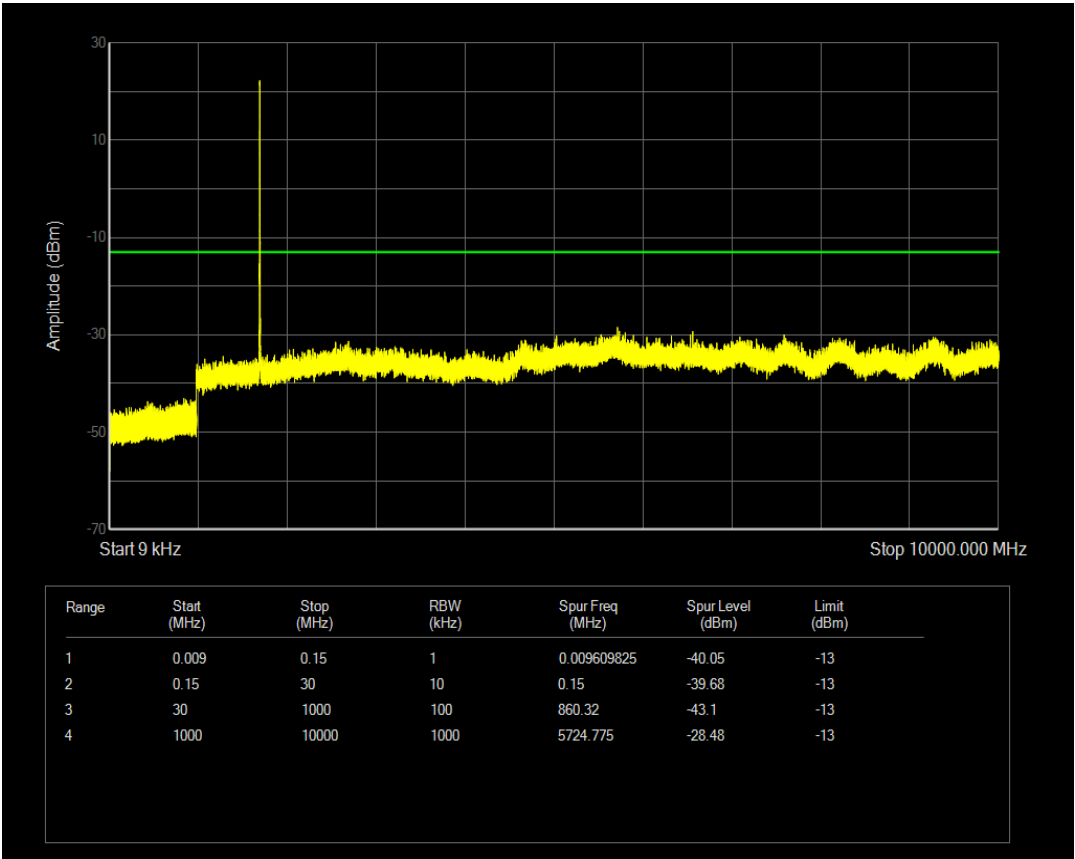
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



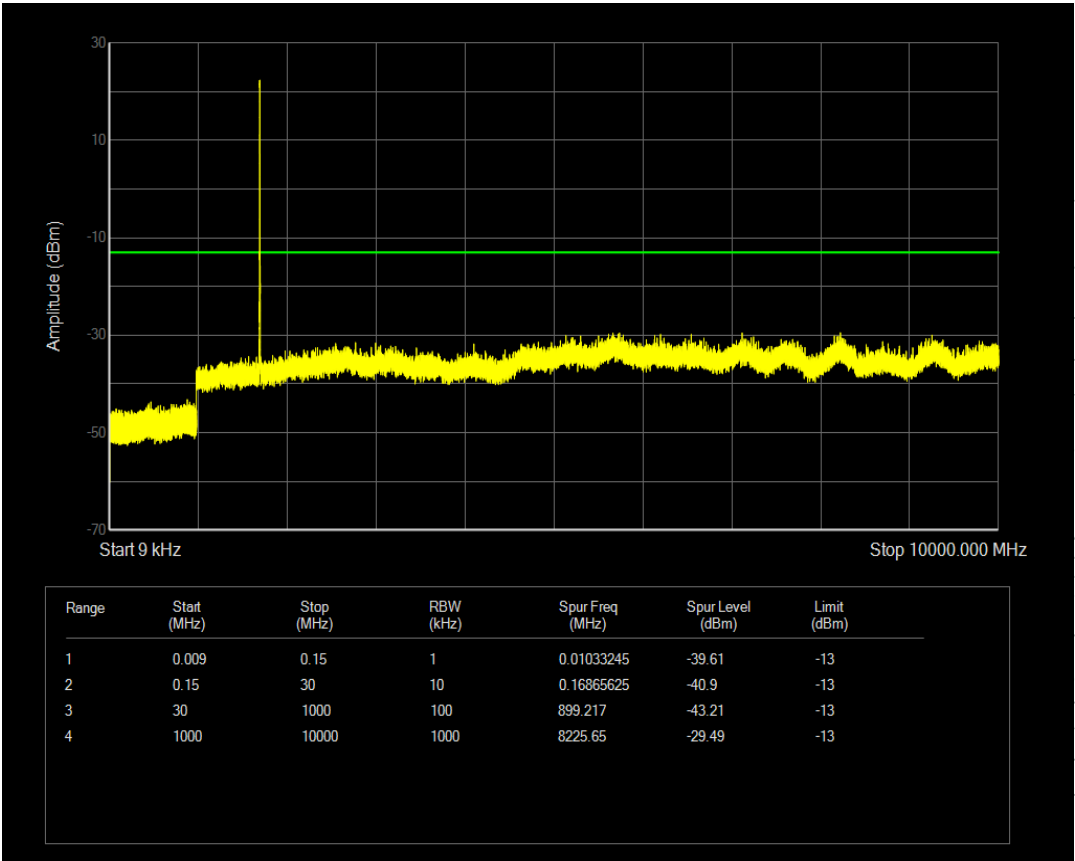
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



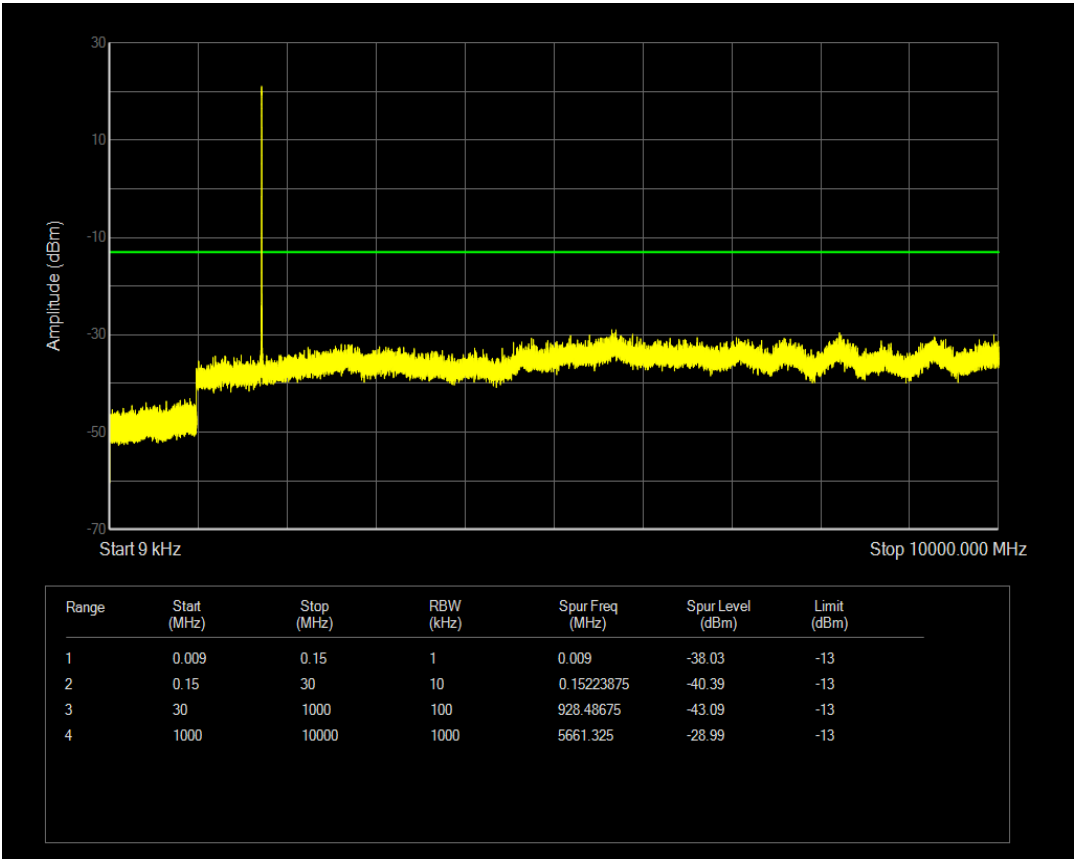
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



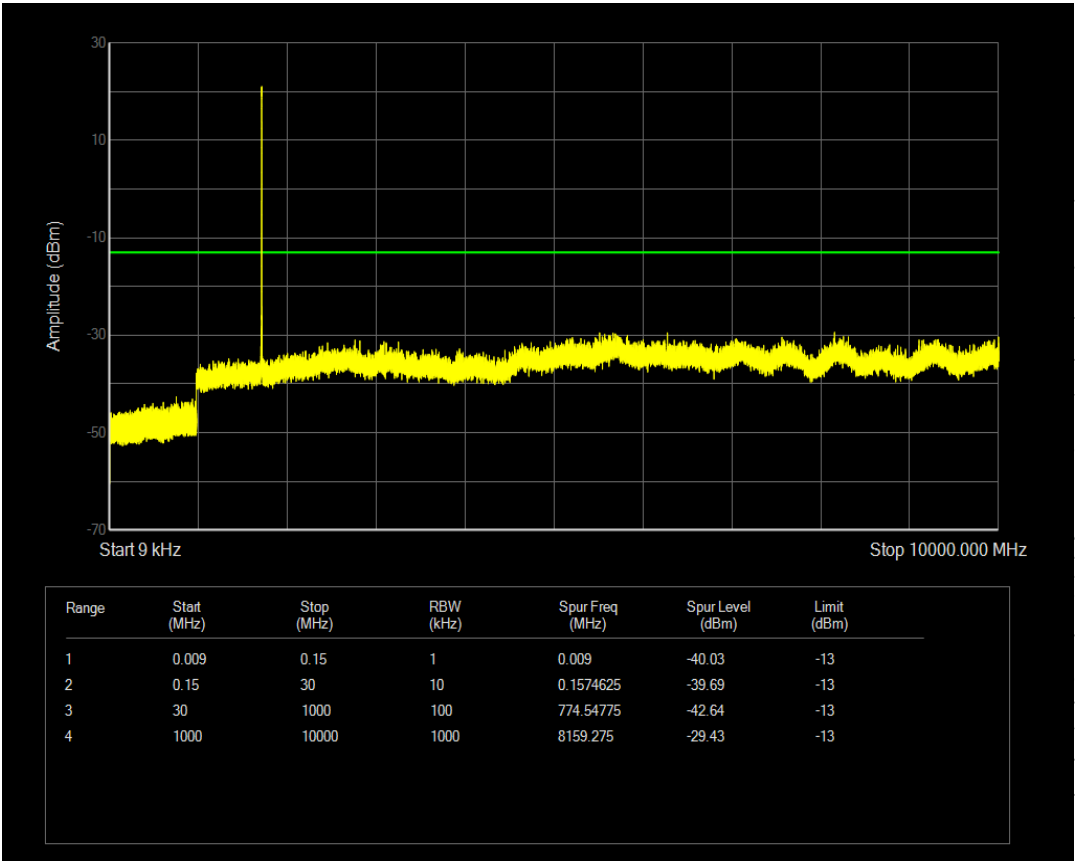
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



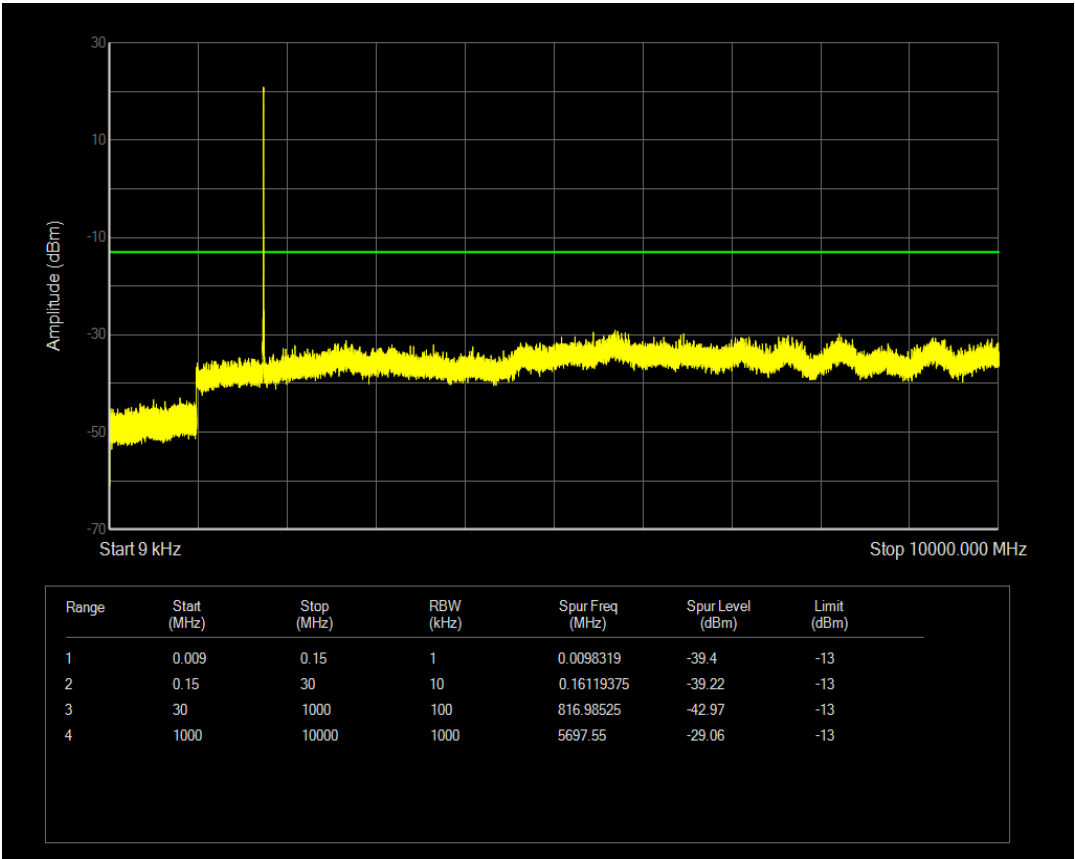
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



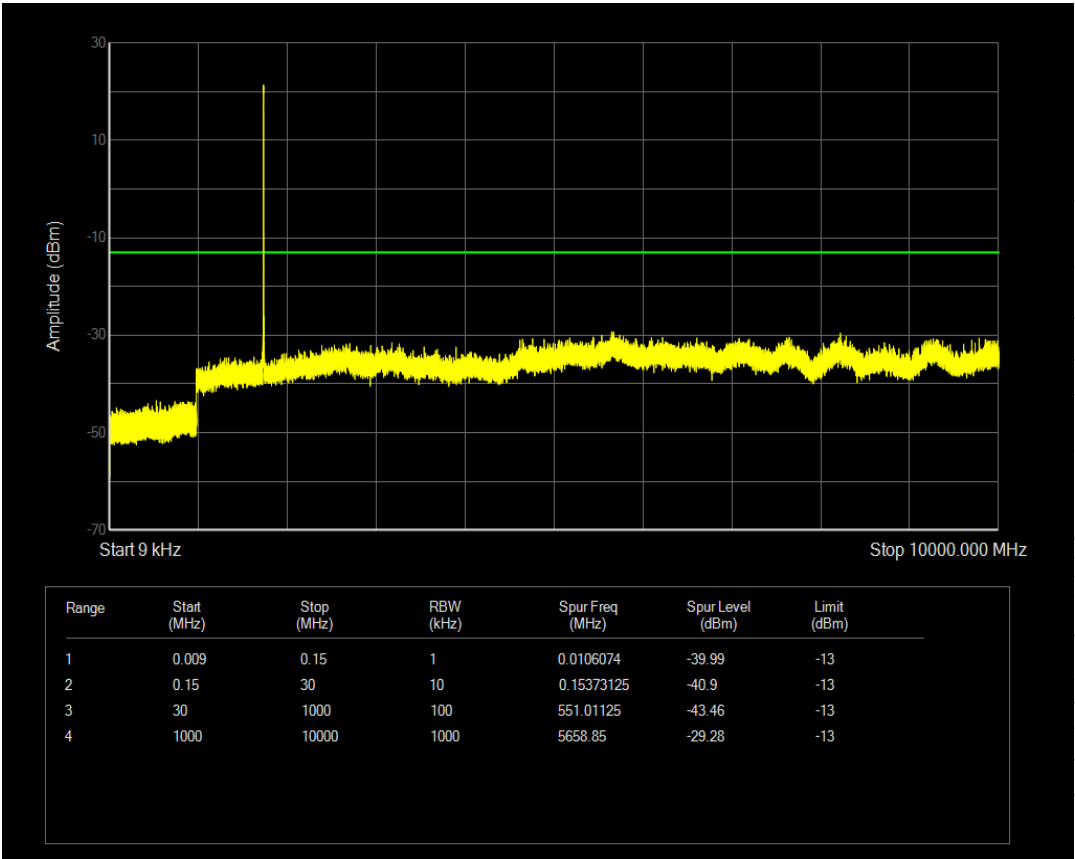
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



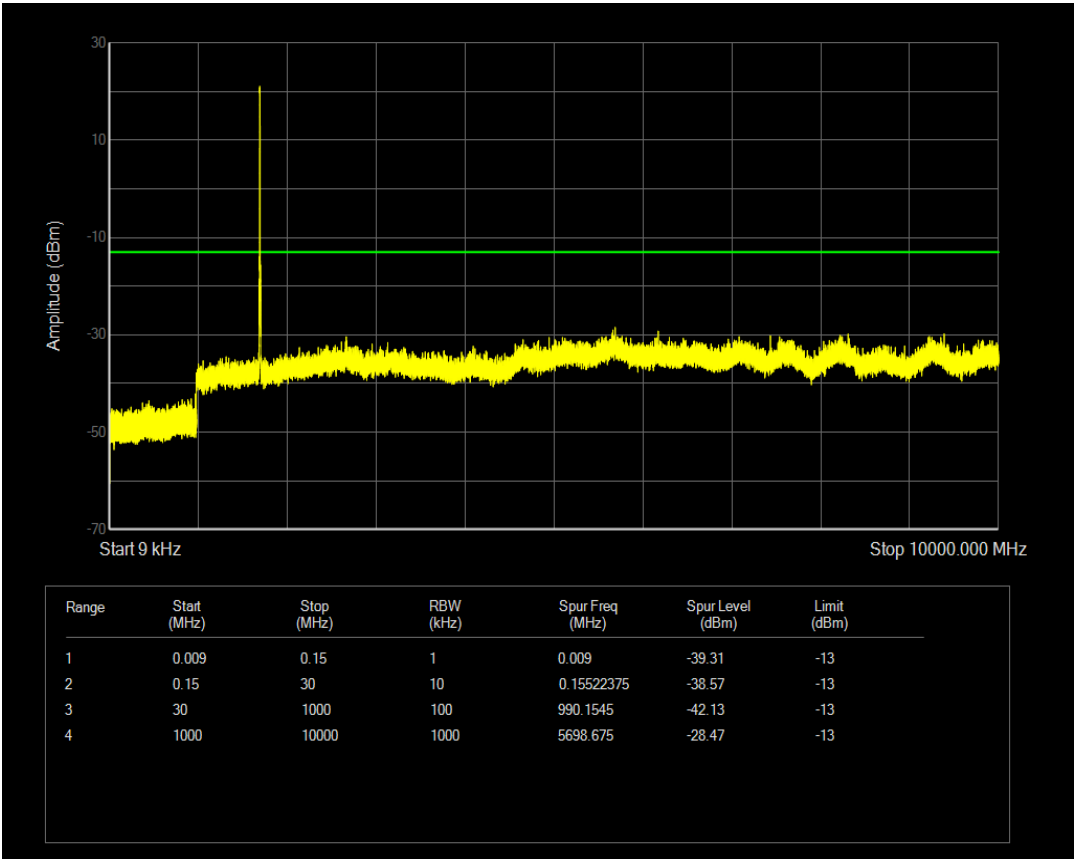
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



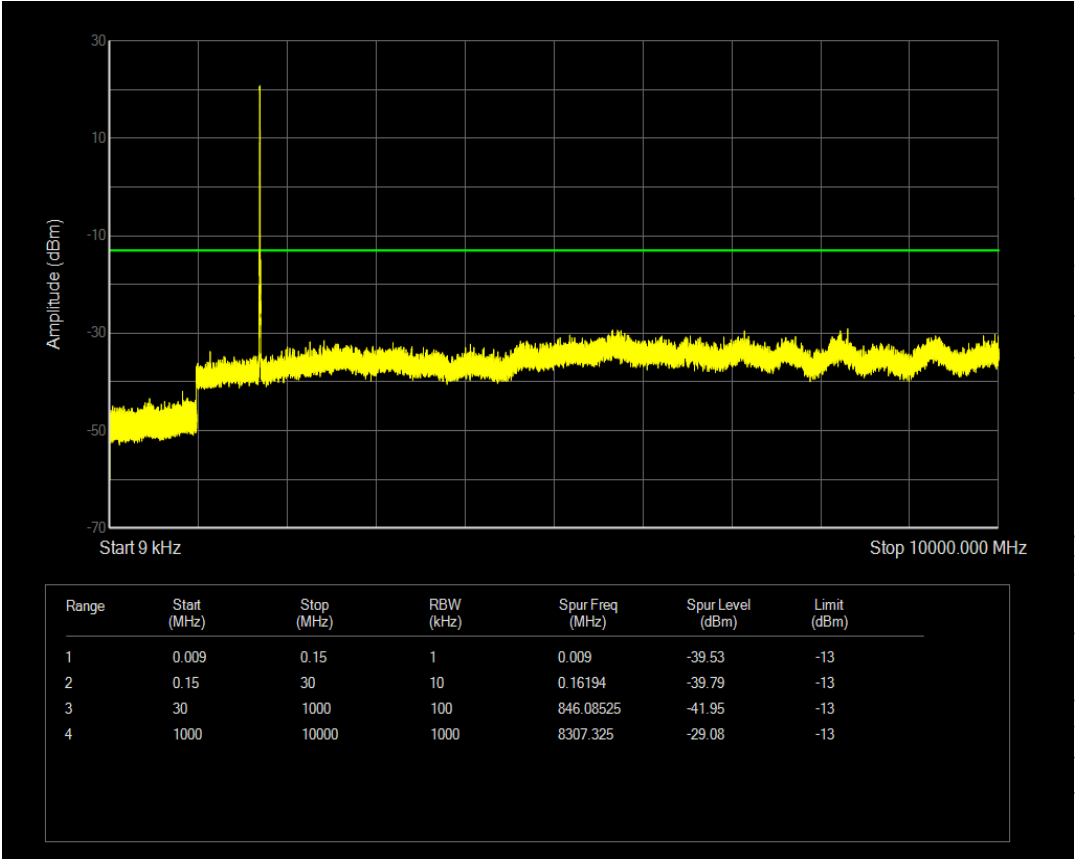
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



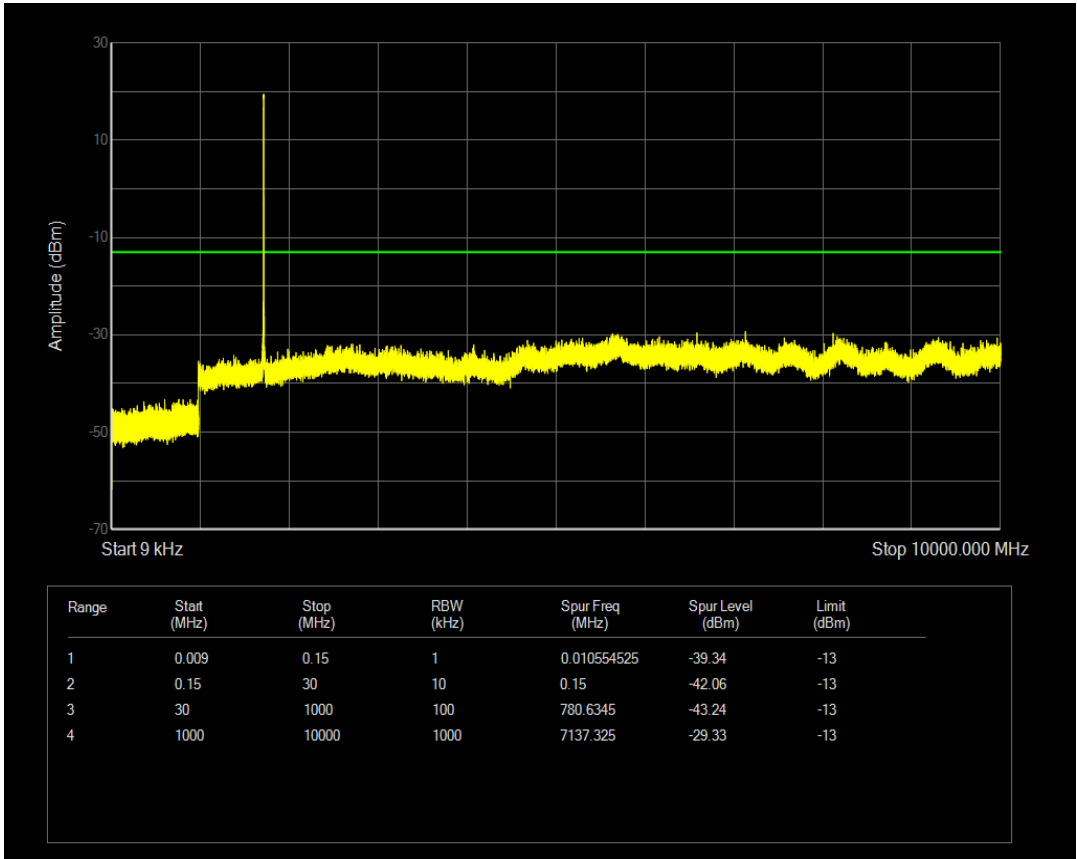
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



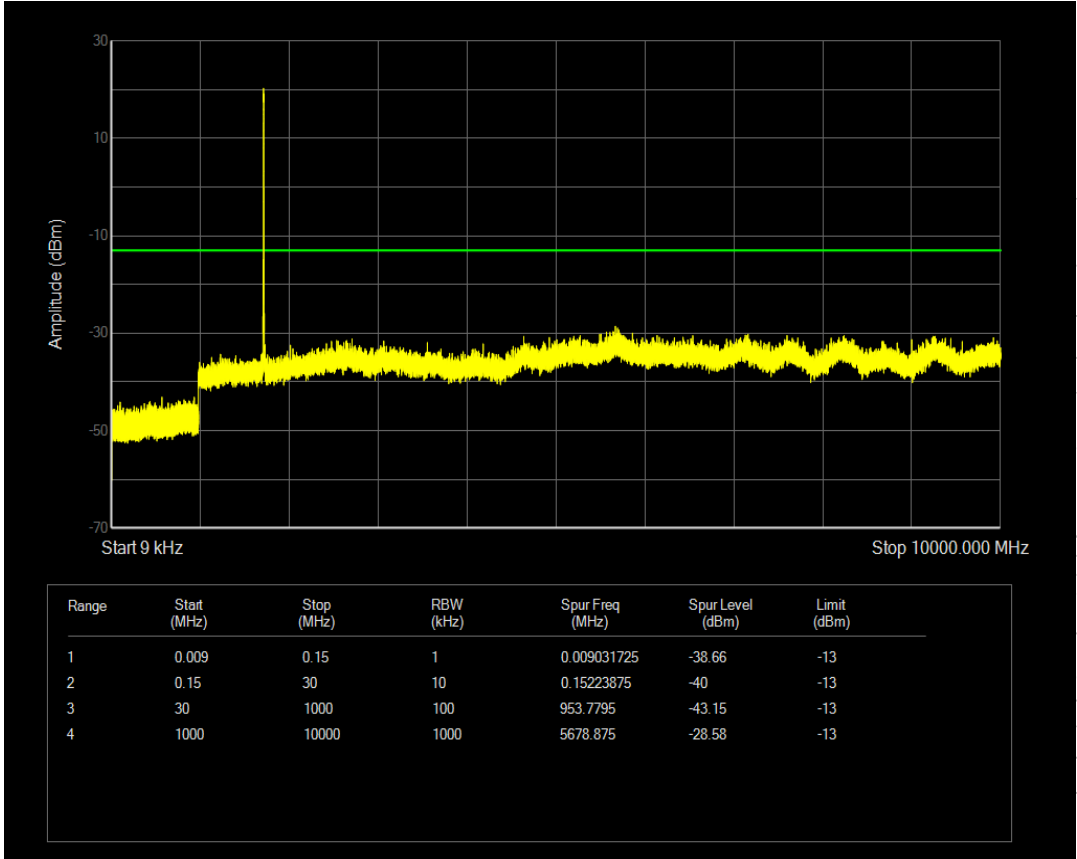
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



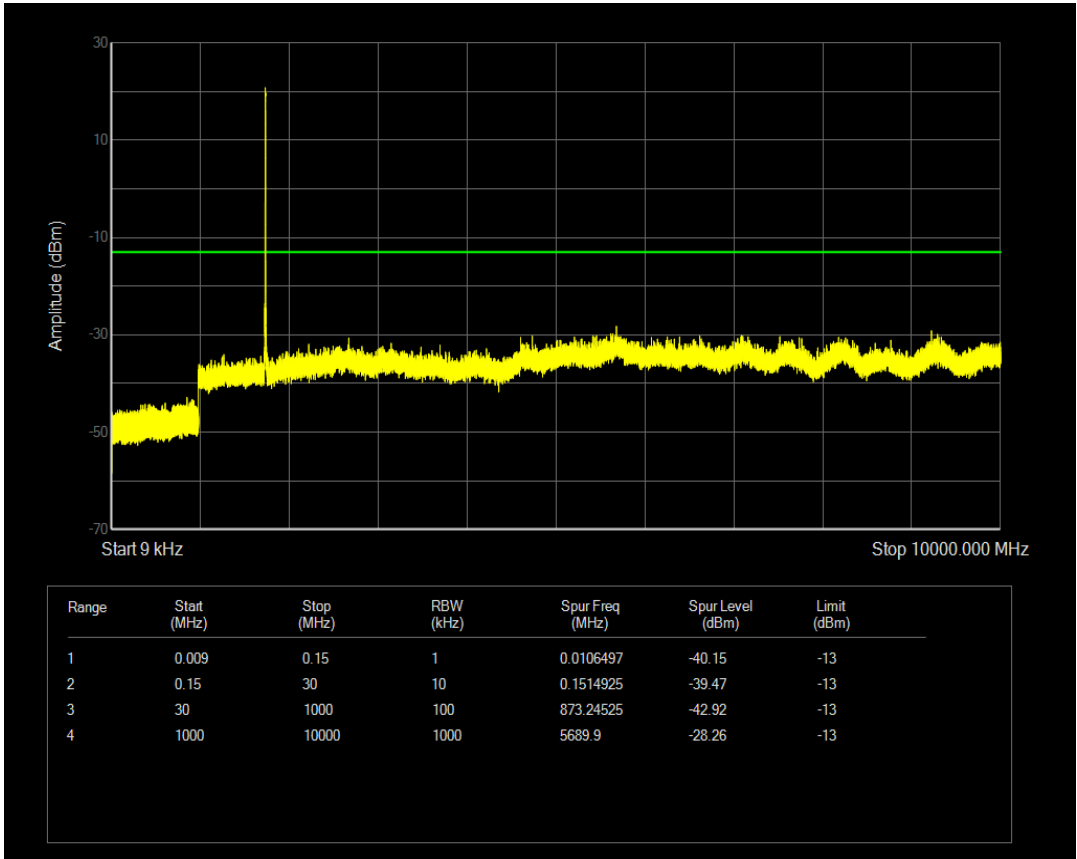
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



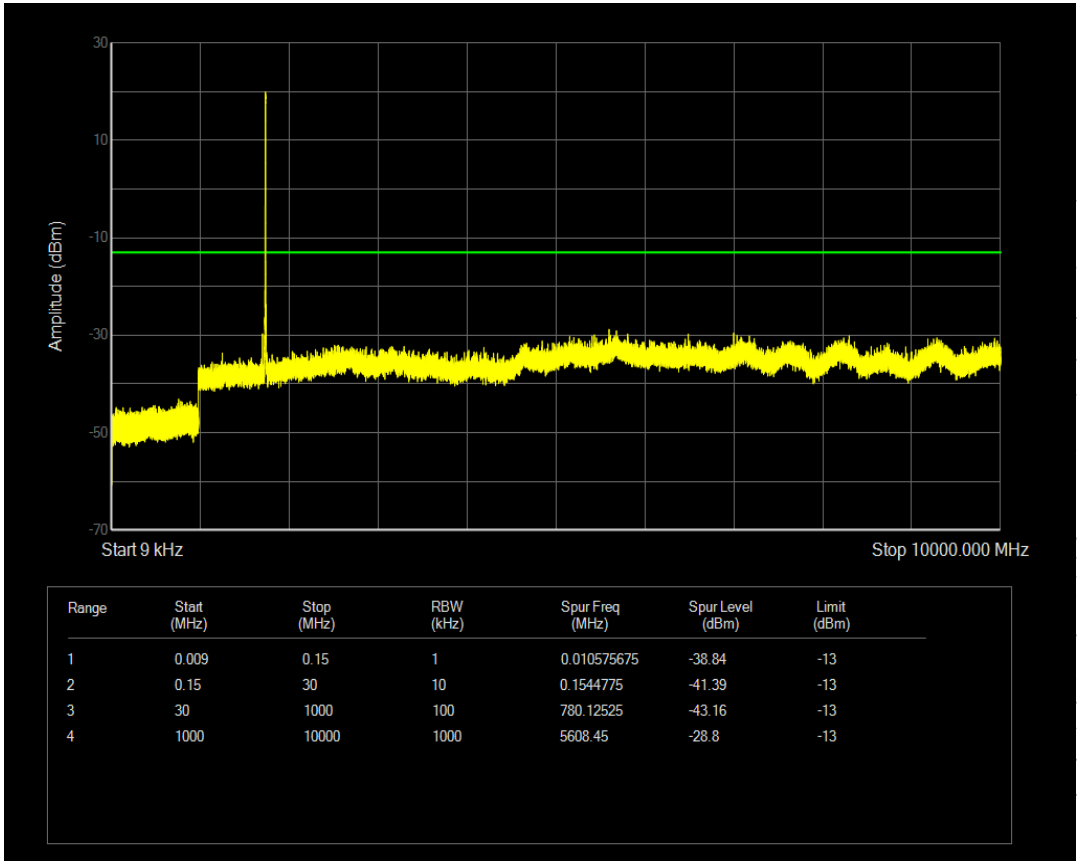
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



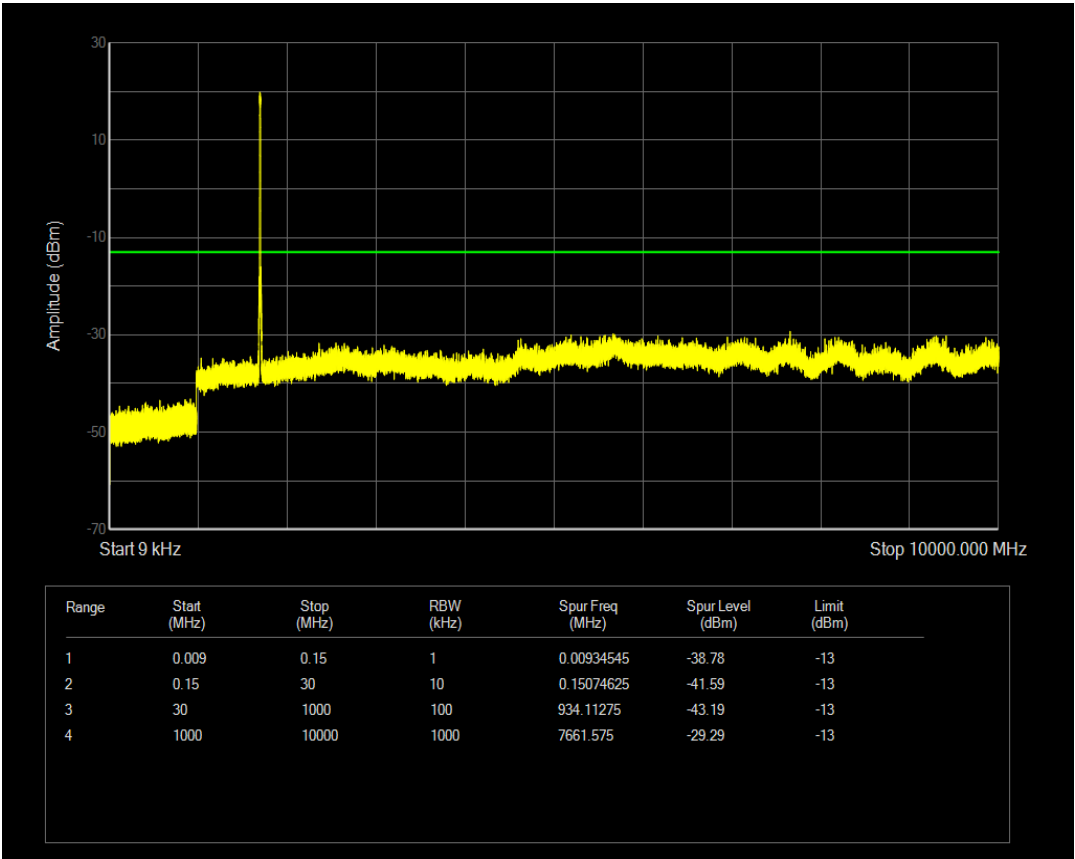
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



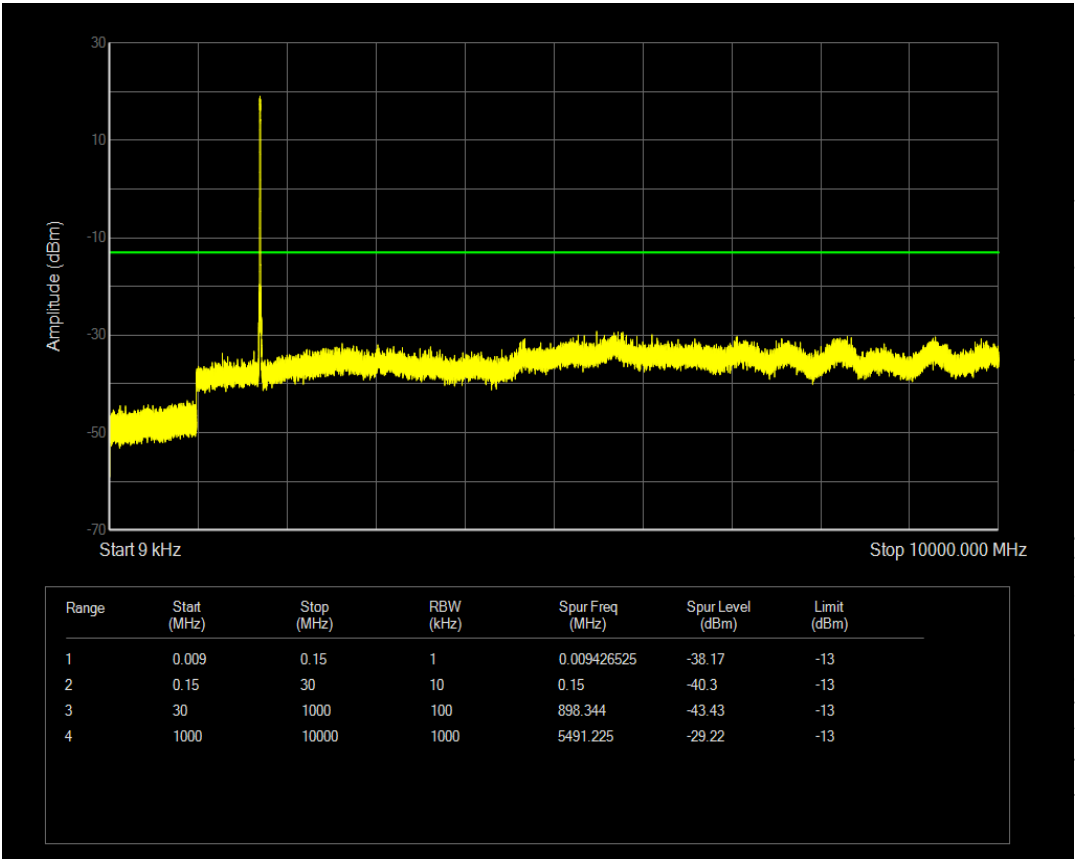
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



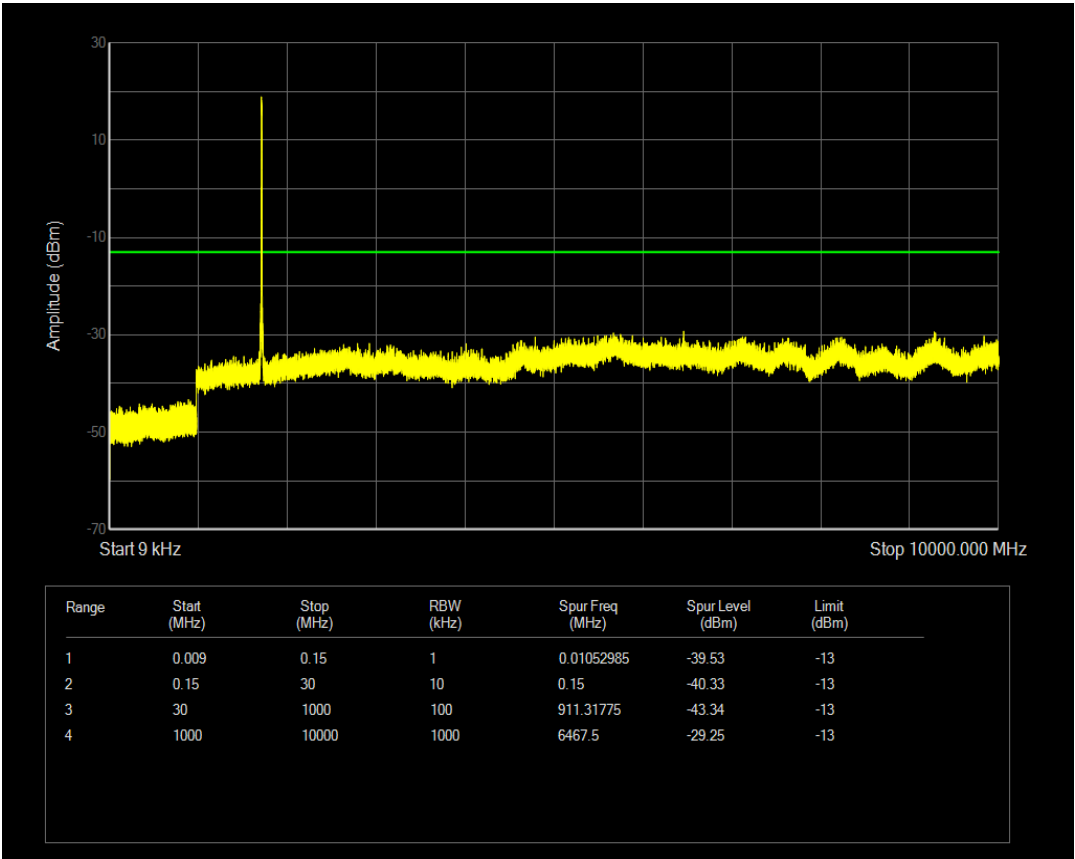
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



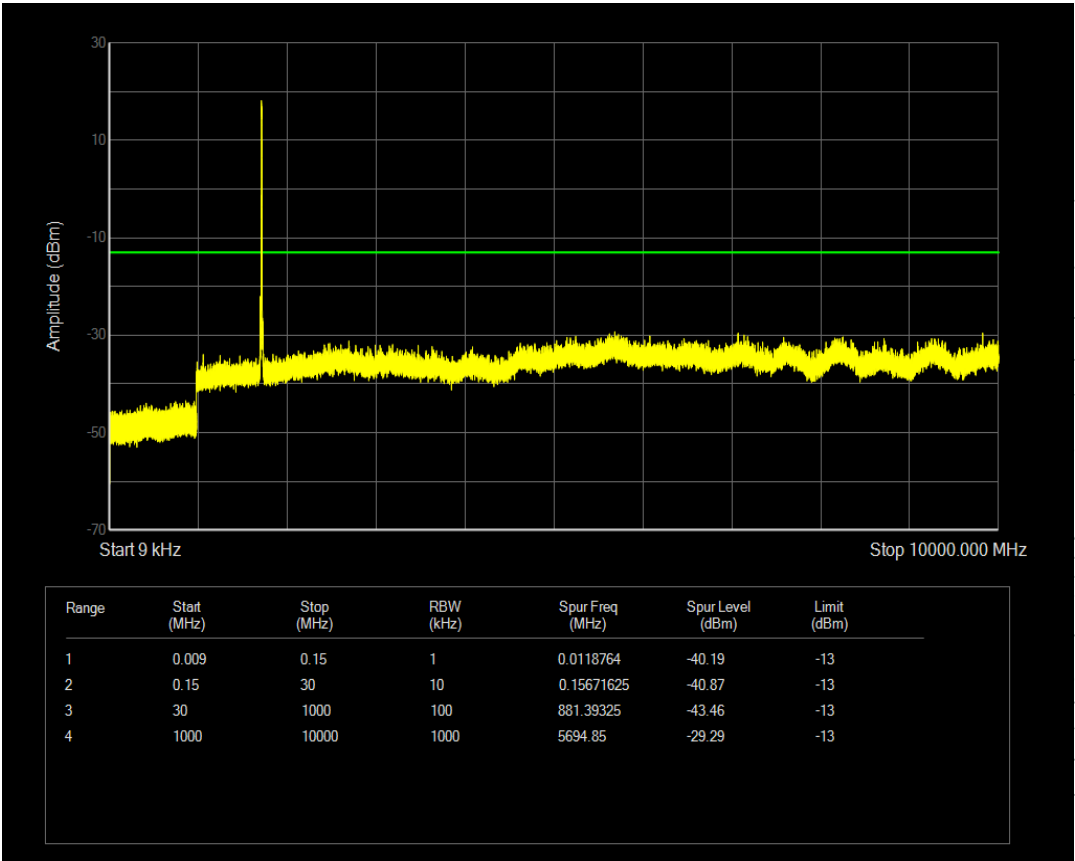
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



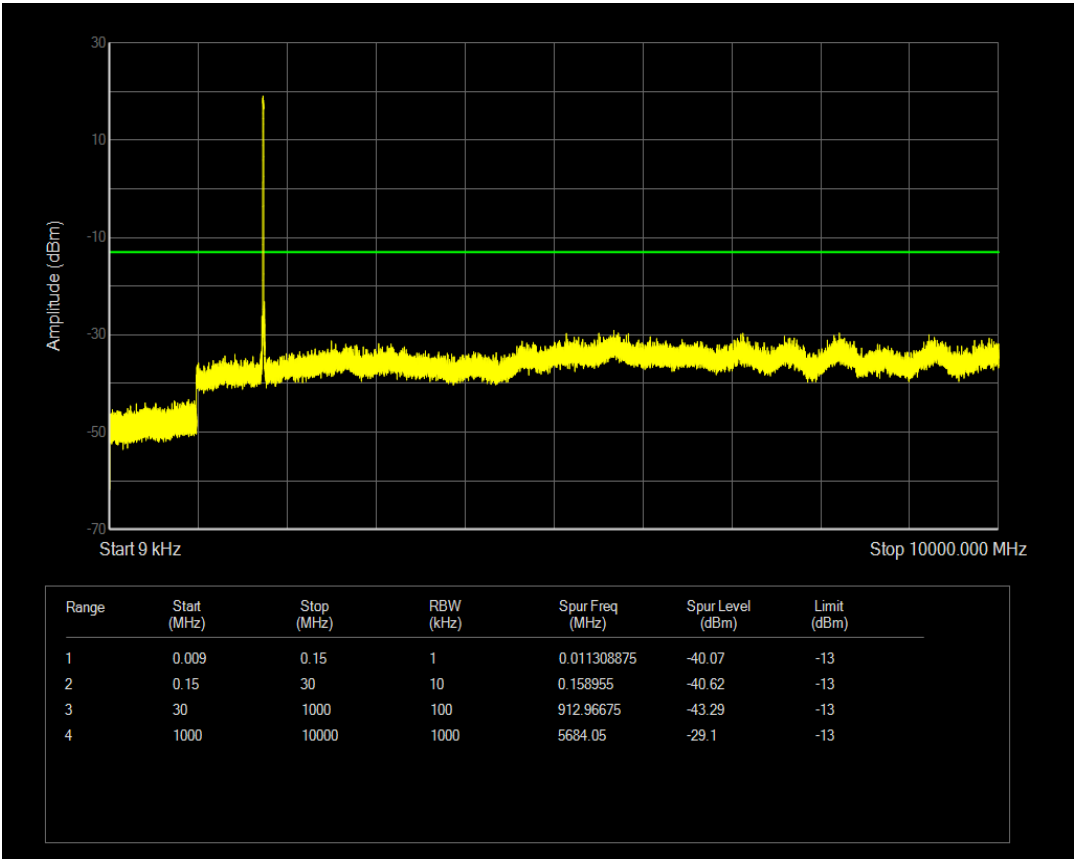
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



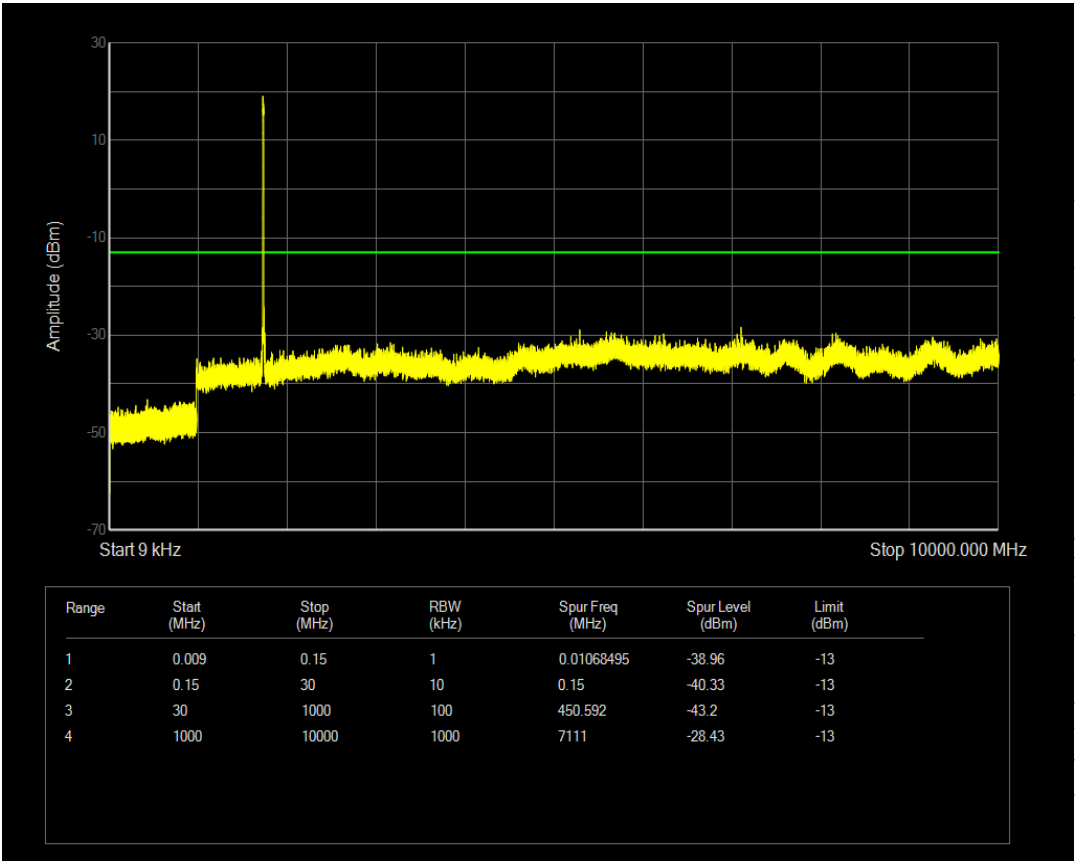
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



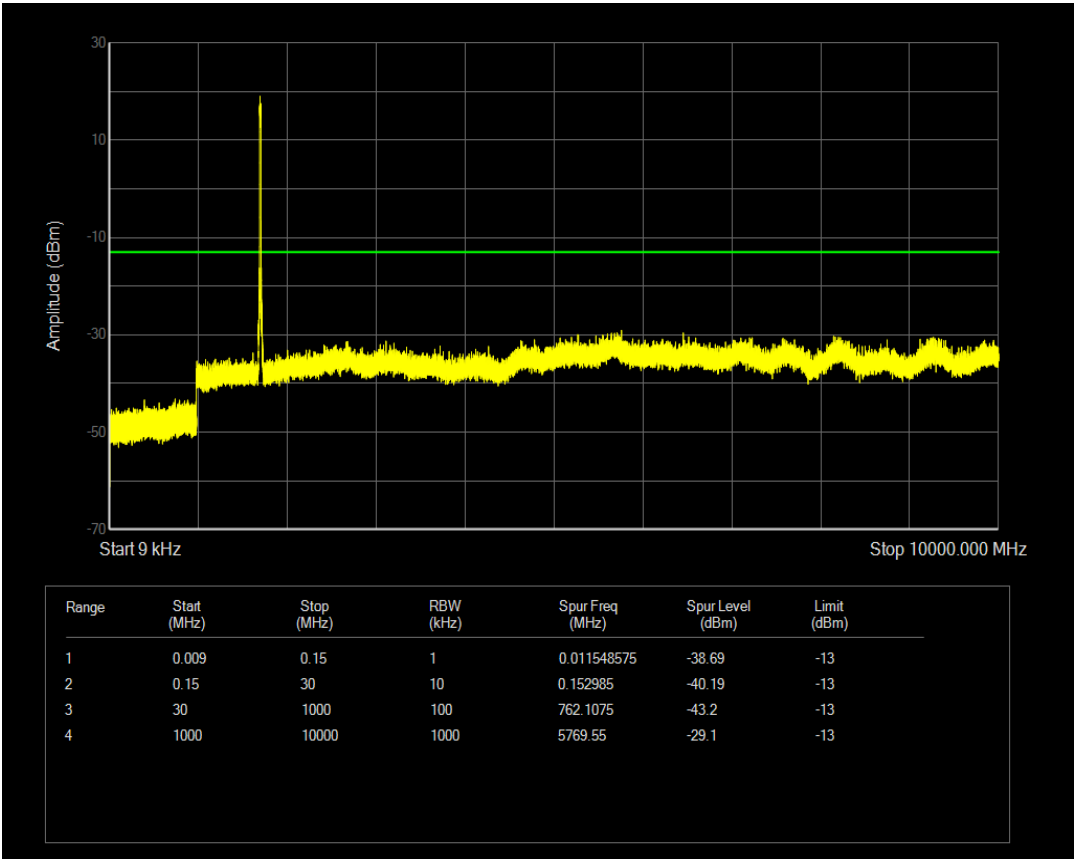
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



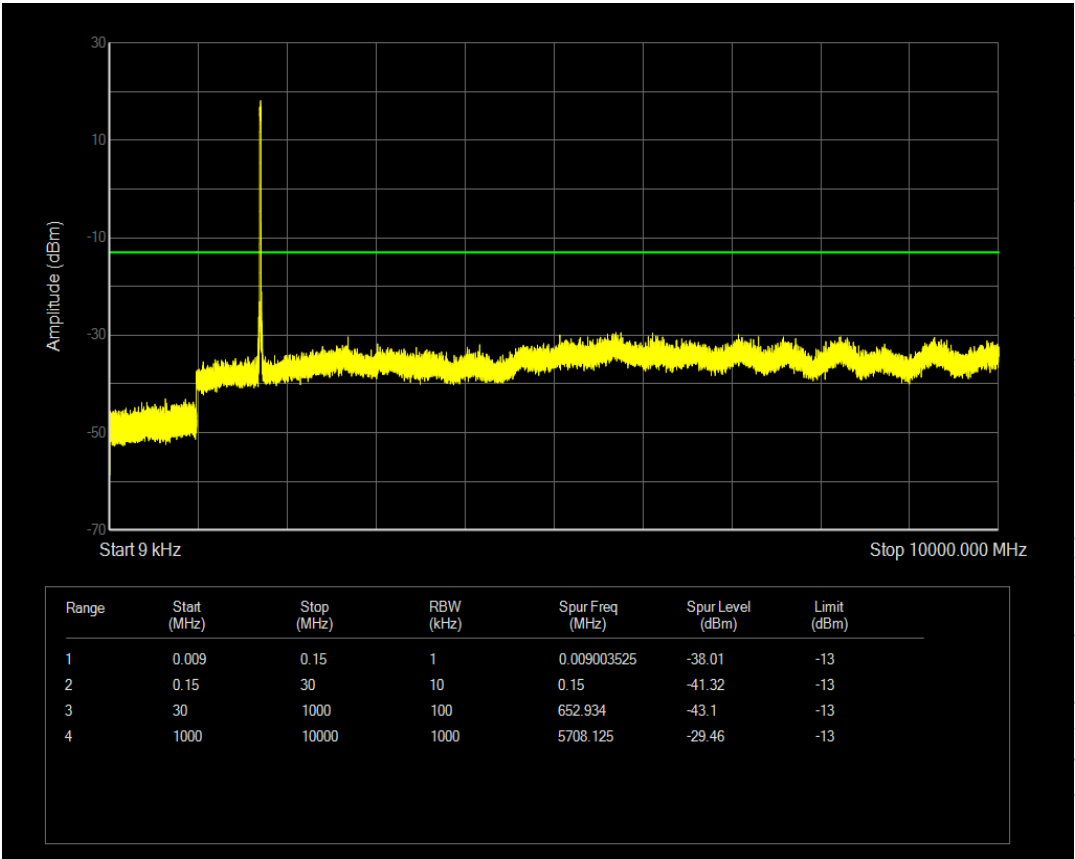
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



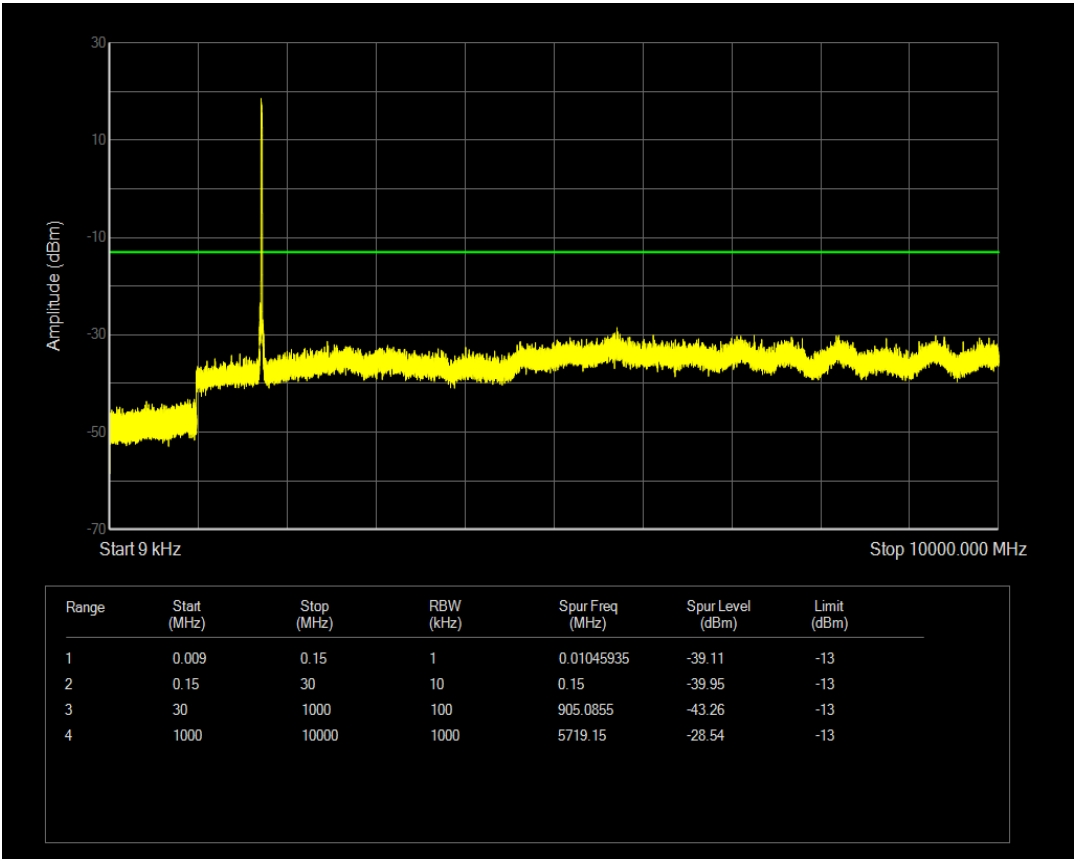
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



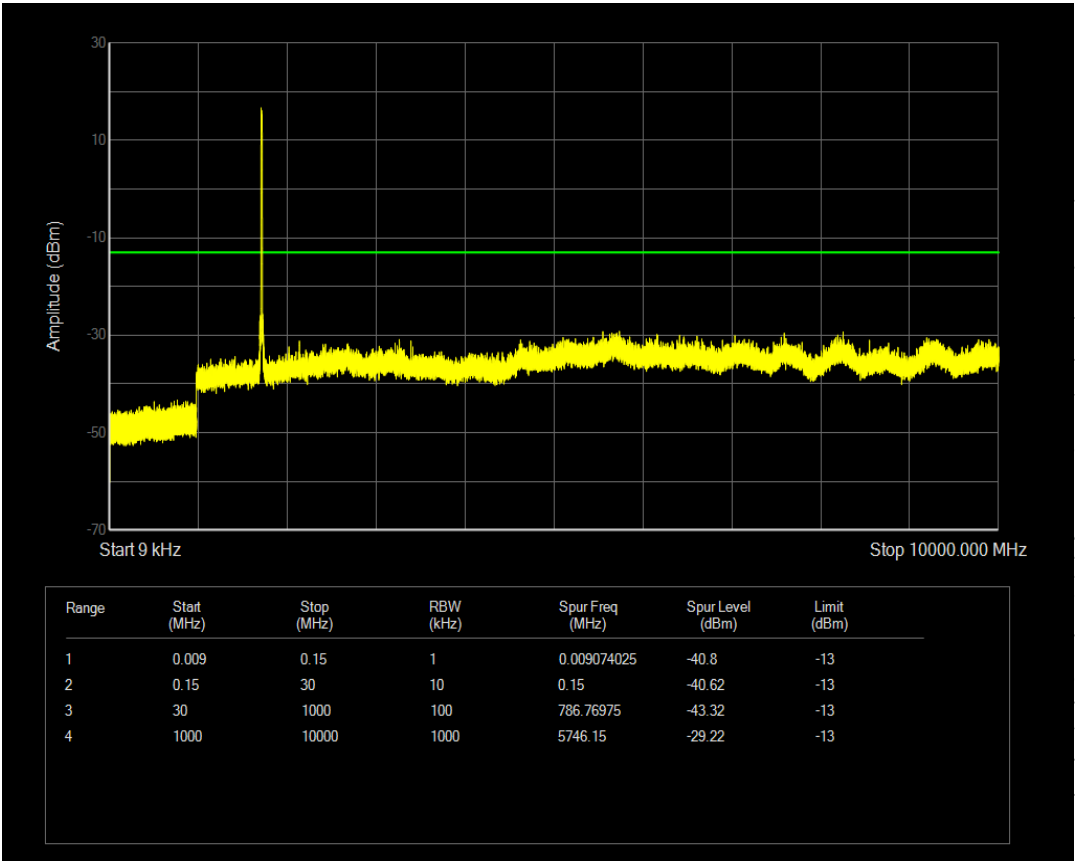
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



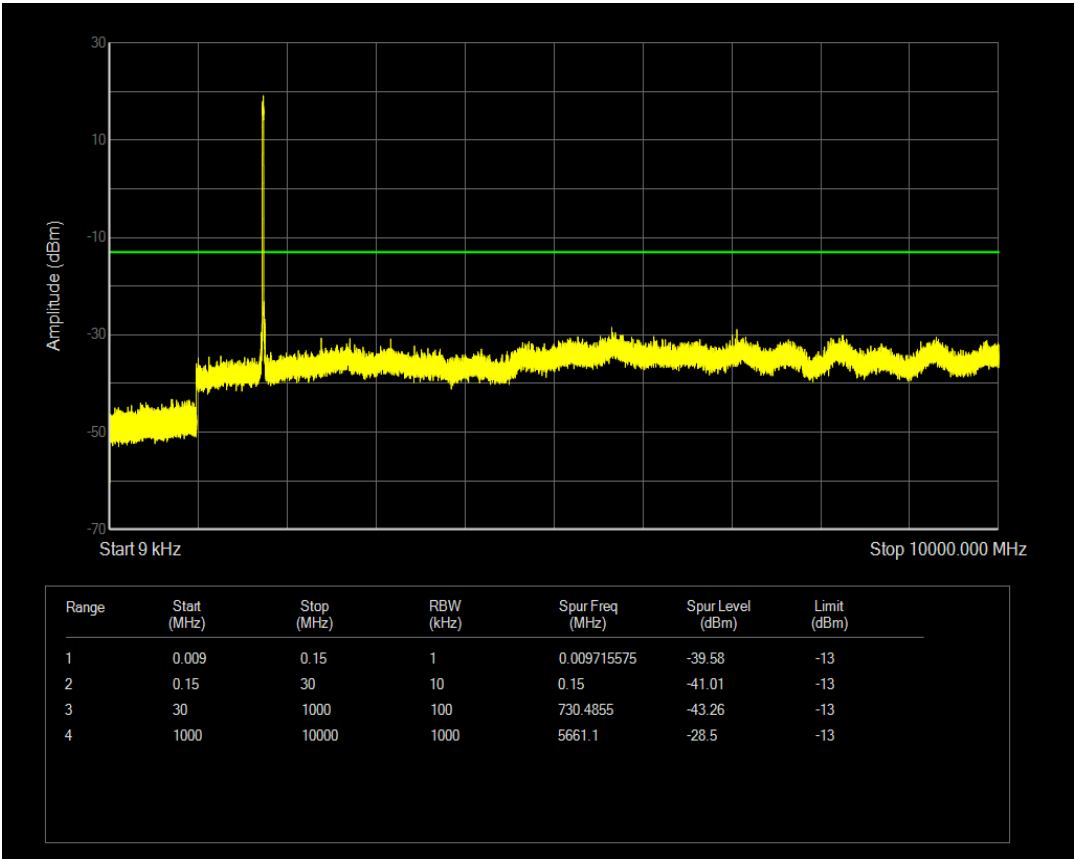
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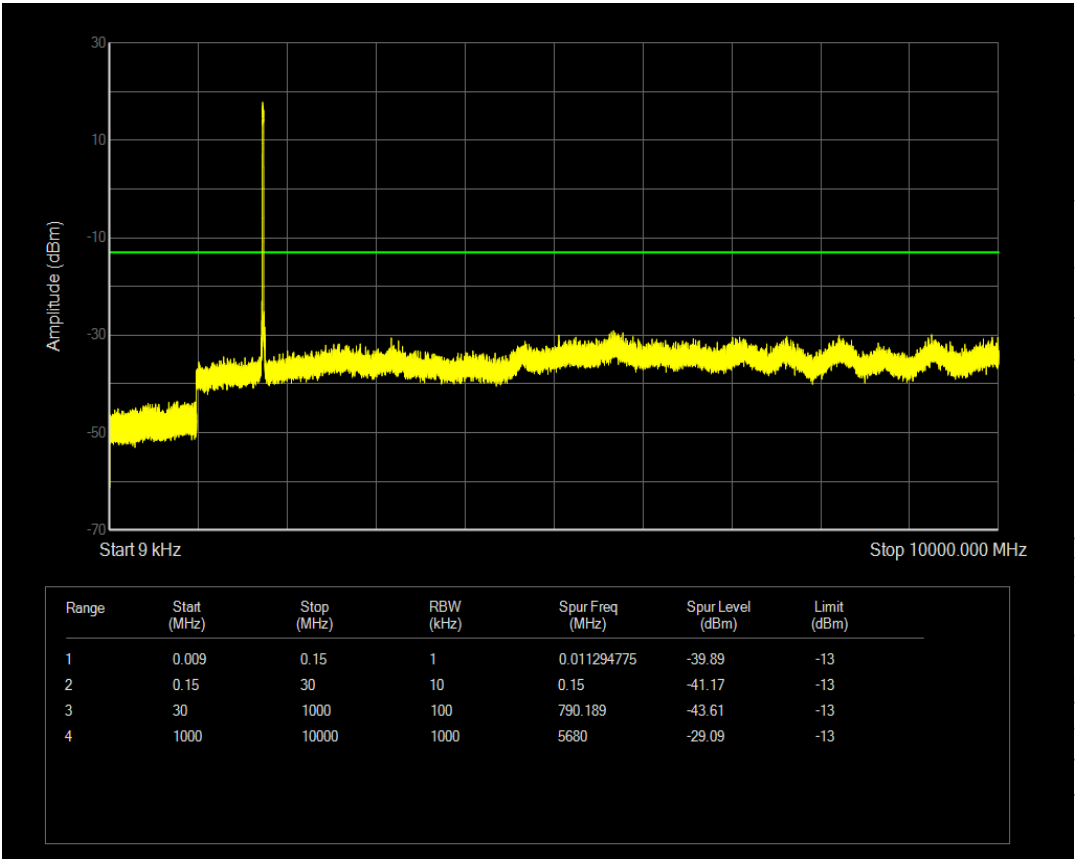
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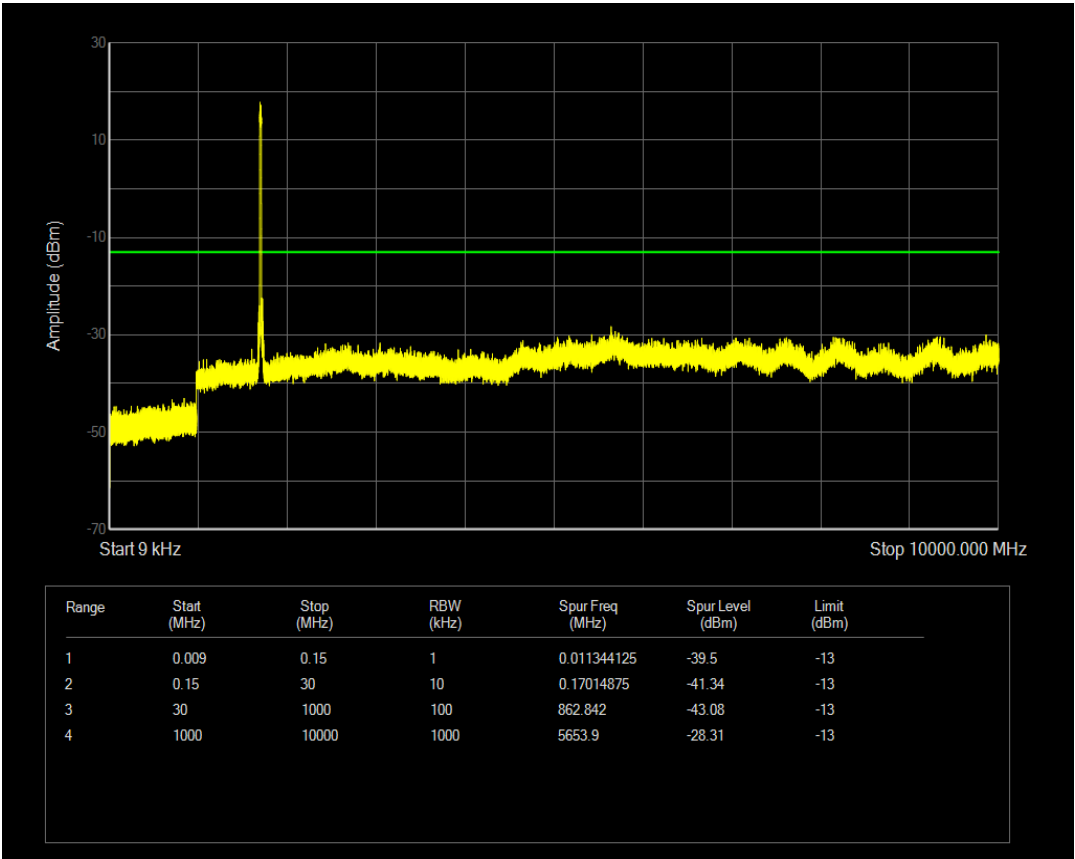
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



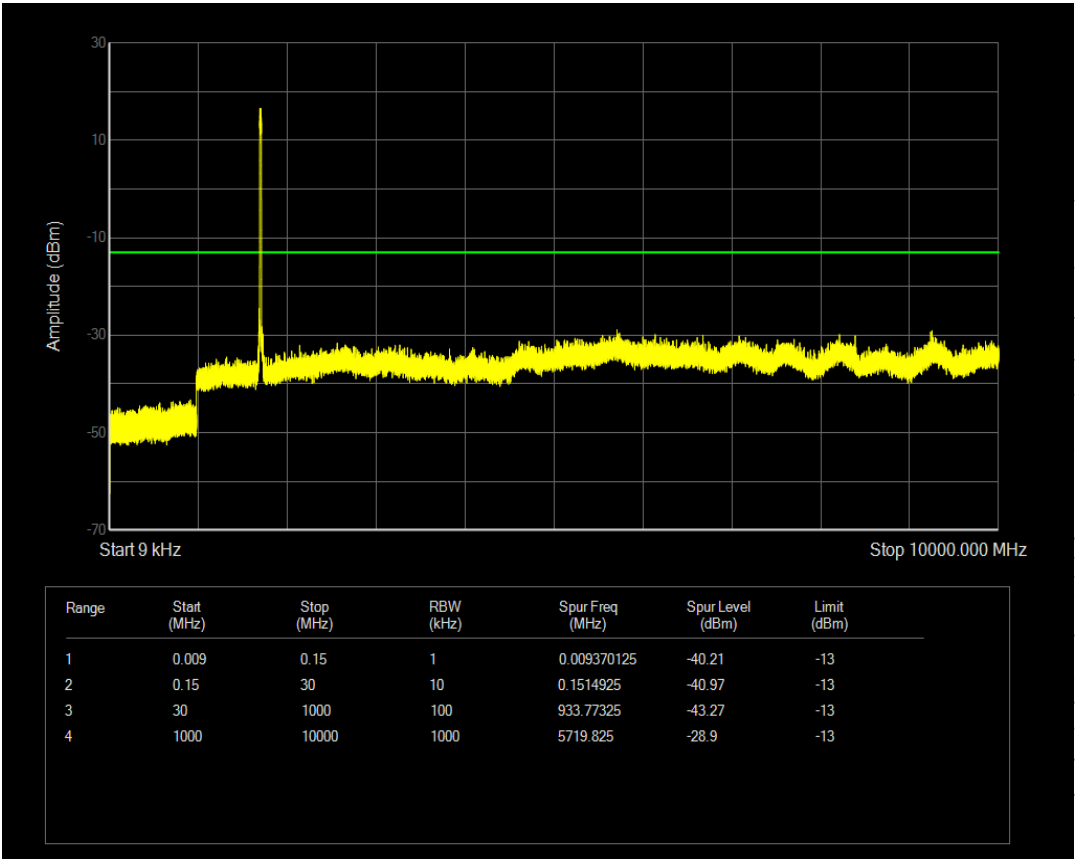
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



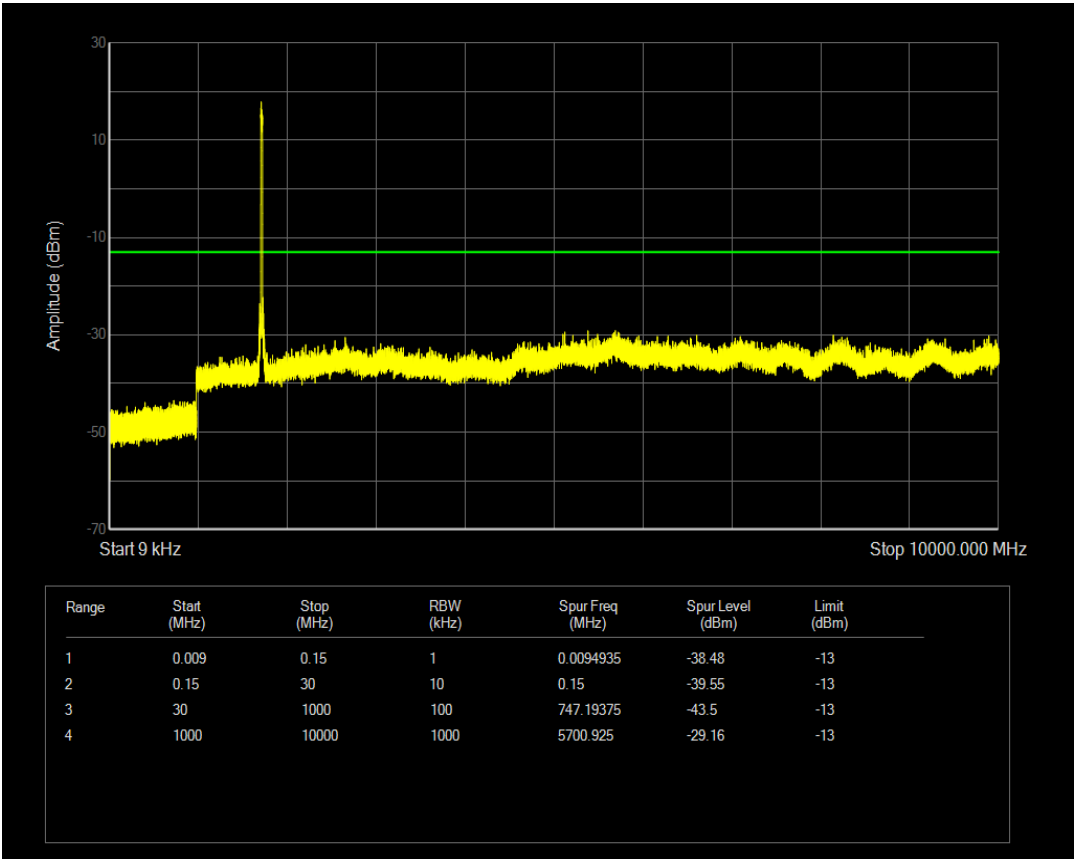
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



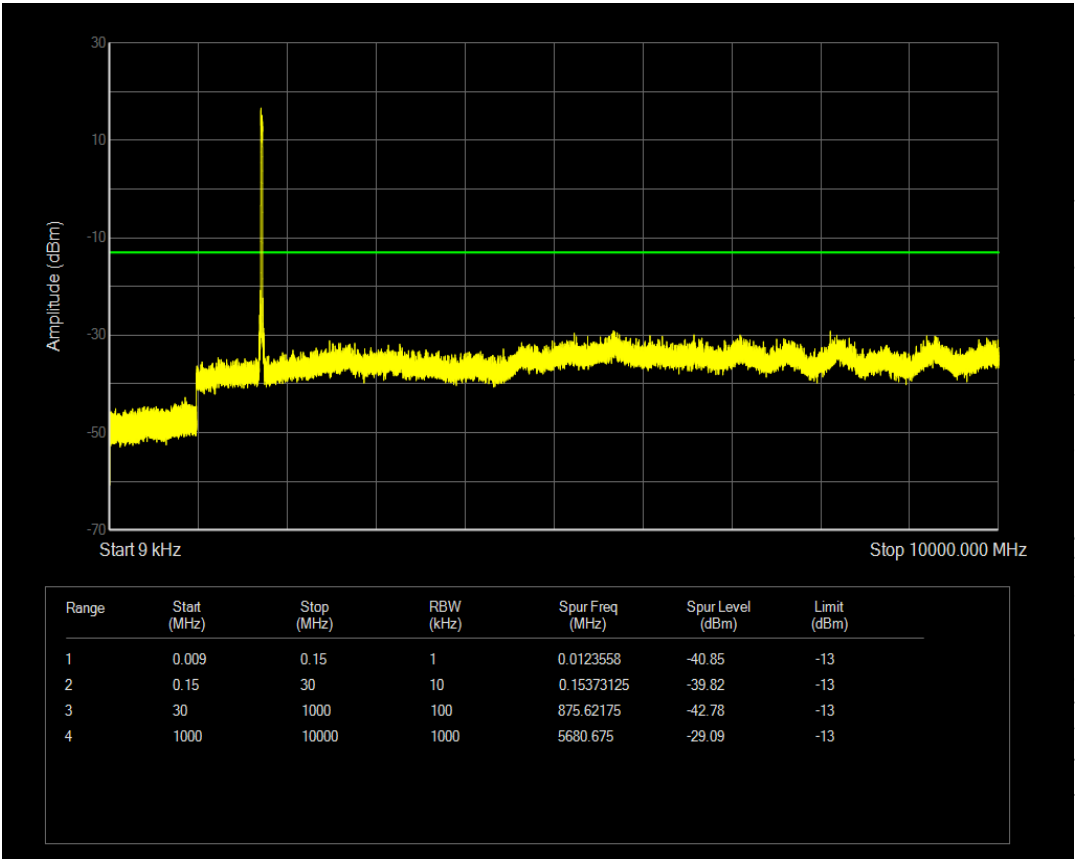
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



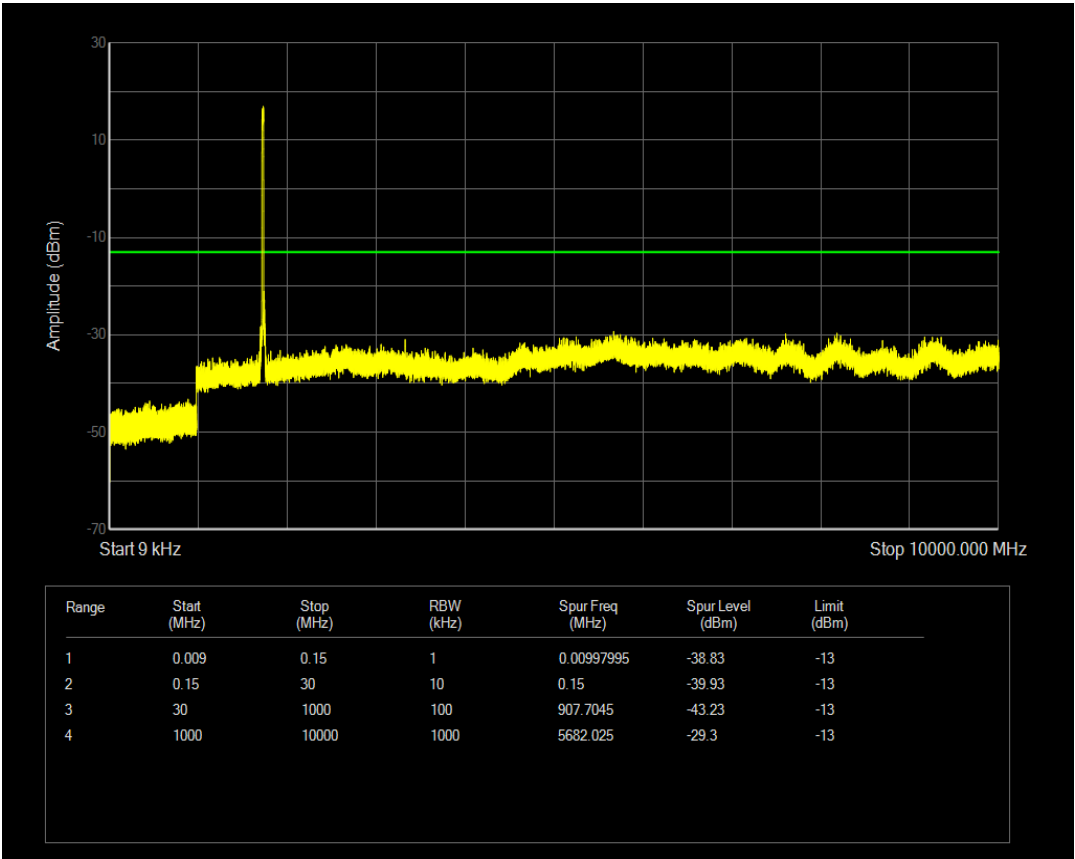
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



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

