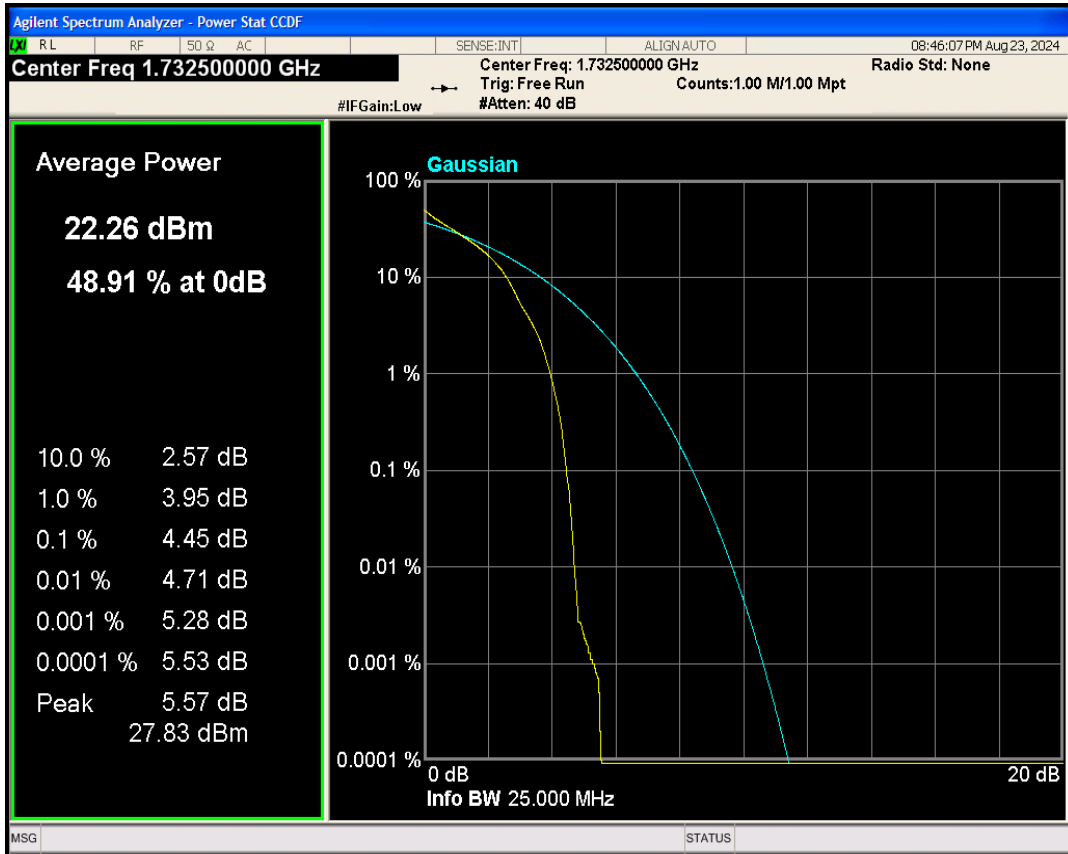
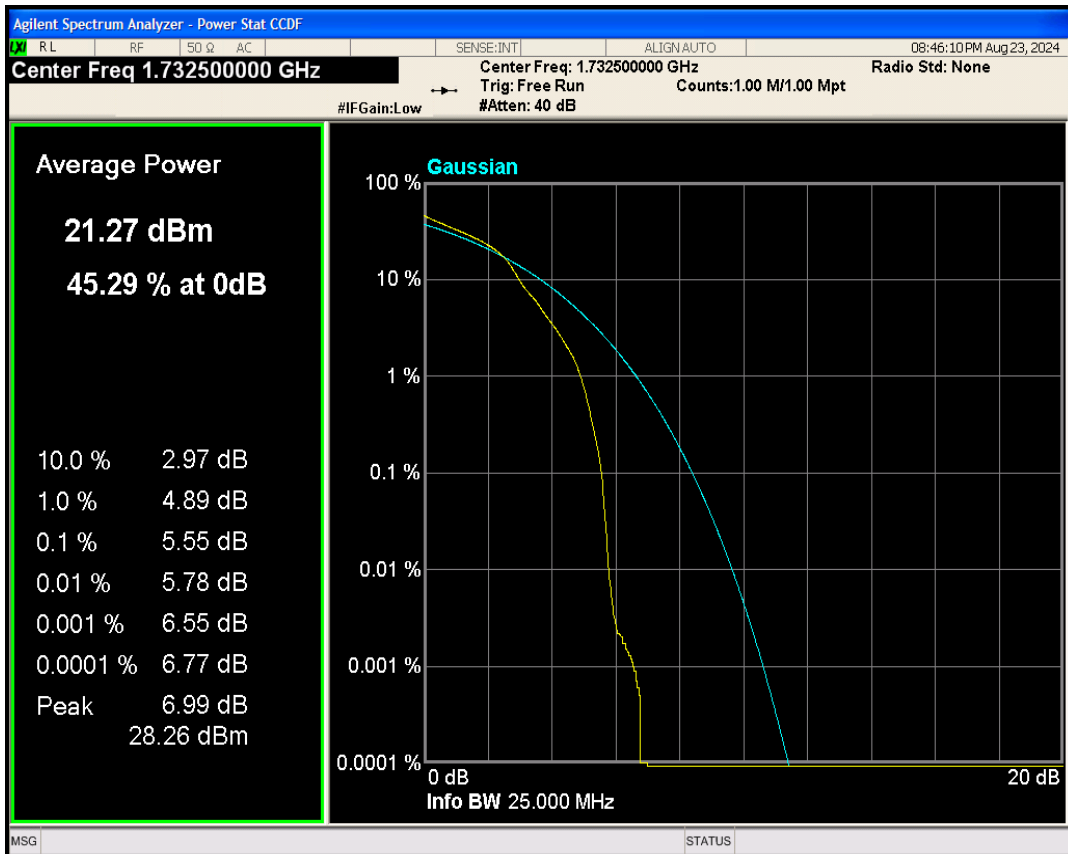
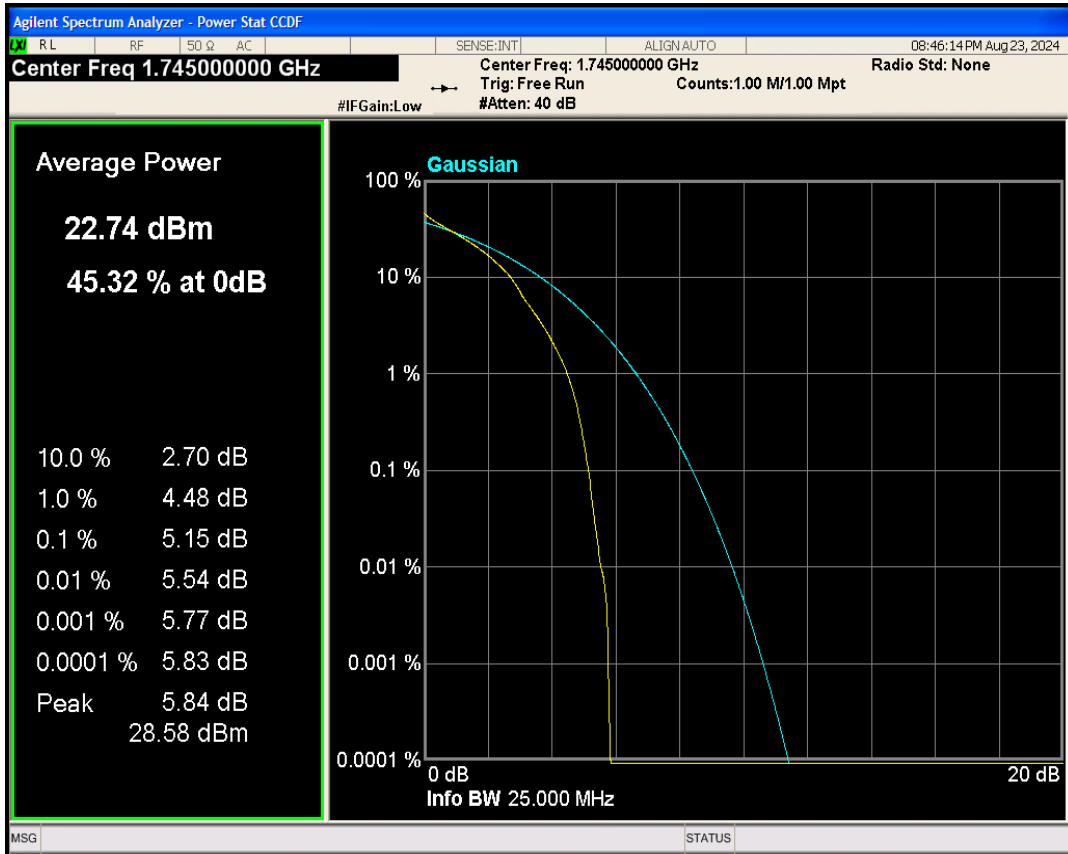




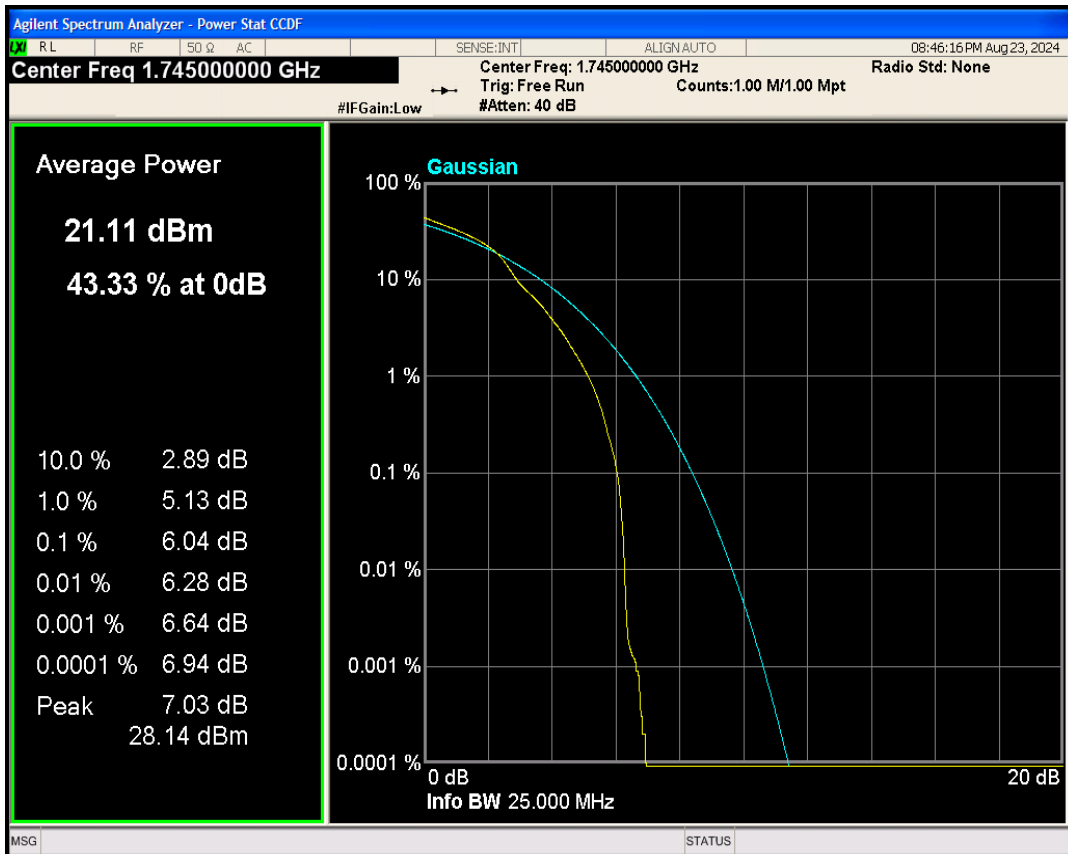
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



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



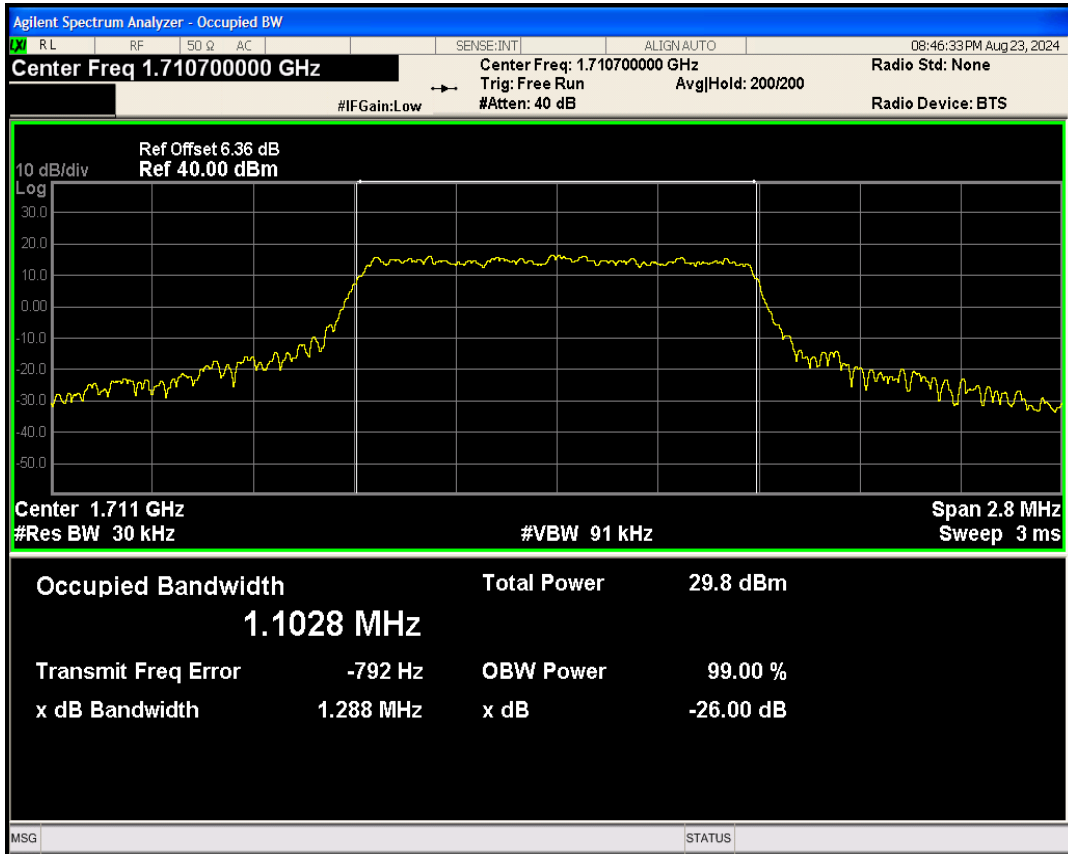
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



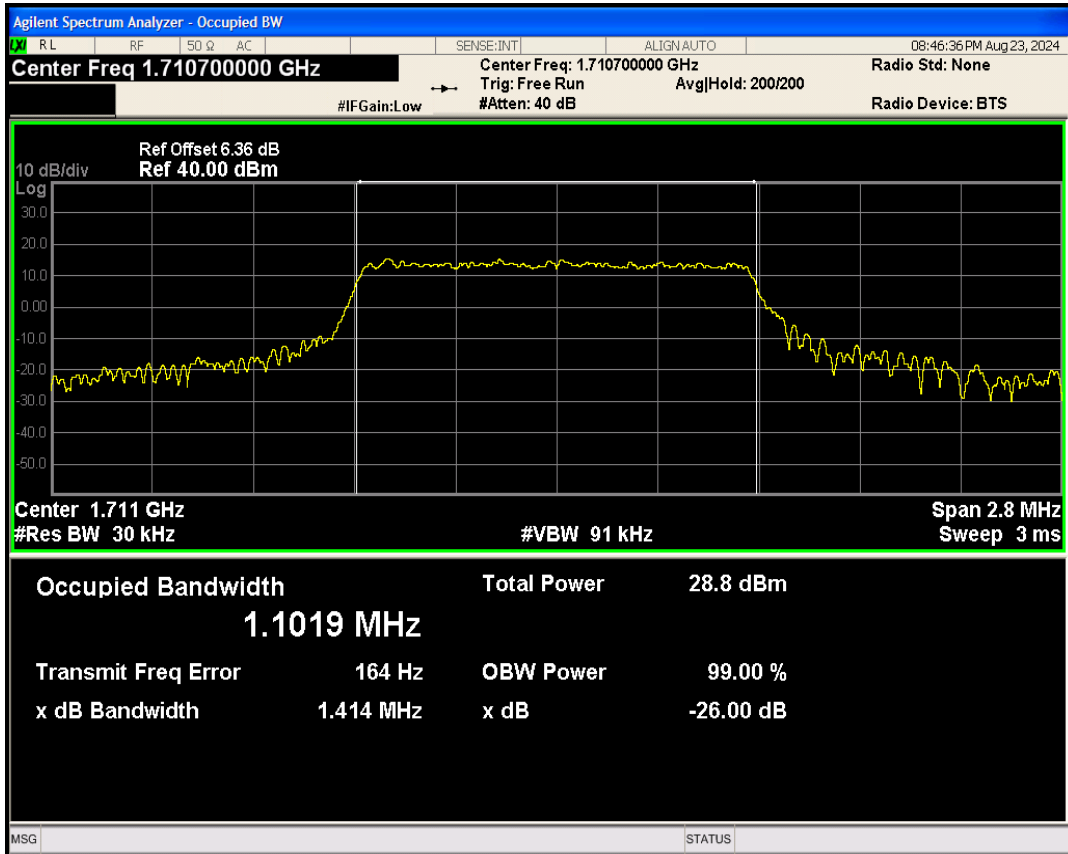
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.103	1.288	PASS
Band4	1.4	19957	6	#0	16QAM	1.102	1.414	PASS
Band4	1.4	20175	6	#0	QPSK	1.101	1.323	PASS
Band4	1.4	20175	6	#0	16QAM	1.103	1.383	PASS
Band4	1.4	20393	6	#0	QPSK	1.097	1.303	PASS
Band4	1.4	20393	6	#0	16QAM	1.105	1.278	PASS
Band4	3	19965	15	#0	QPSK	2.725	3.141	PASS
Band4	3	19965	15	#0	16QAM	2.725	3.376	PASS
Band4	3	20175	15	#0	QPSK	2.713	3.065	PASS
Band4	3	20175	15	#0	16QAM	2.708	3.096	PASS
Band4	3	20385	15	#0	QPSK	2.702	3.144	PASS
Band4	3	20385	15	#0	16QAM	2.706	3.104	PASS
Band4	5	19975	25	#0	QPSK	4.542	5.203	PASS
Band4	5	19975	25	#0	16QAM	4.531	4.988	PASS
Band4	5	20175	25	#0	QPSK	4.525	4.955	PASS
Band4	5	20175	25	#0	16QAM	4.520	5.484	PASS
Band4	5	20375	25	#0	QPSK	4.522	5.143	PASS
Band4	5	20375	25	#0	16QAM	4.544	5.314	PASS
Band4	10	20000	50	#0	QPSK	9.021	10.142	PASS
Band4	10	20000	50	#0	16QAM	9.041	9.931	PASS
Band4	10	20175	50	#0	QPSK	8.989	10.108	PASS
Band4	10	20175	50	#0	16QAM	9.016	10.058	PASS
Band4	10	20350	50	#0	QPSK	9.003	10.143	PASS
Band4	10	20350	50	#0	16QAM	9.025	10.541	PASS
Band4	15	20025	75	#0	QPSK	13.513	14.908	PASS
Band4	15	20025	75	#0	16QAM	13.491	14.816	PASS
Band4	15	20175	75	#0	QPSK	13.446	14.803	PASS
Band4	15	20175	75	#0	16QAM	13.485	14.960	PASS
Band4	15	20325	75	#0	QPSK	13.482	15.626	PASS
Band4	15	20325	75	#0	16QAM	13.509	14.825	PASS
Band4	20	20050	100	#0	QPSK	18.046	19.771	PASS
Band4	20	20050	100	#0	16QAM	18.004	20.370	PASS
Band4	20	20175	100	#0	QPSK	17.971	19.831	PASS
Band4	20	20175	100	#0	16QAM	17.940	19.947	PASS
Band4	20	20300	100	#0	QPSK	18.012	19.772	PASS
Band4	20	20300	100	#0	16QAM	17.997	19.577	PASS

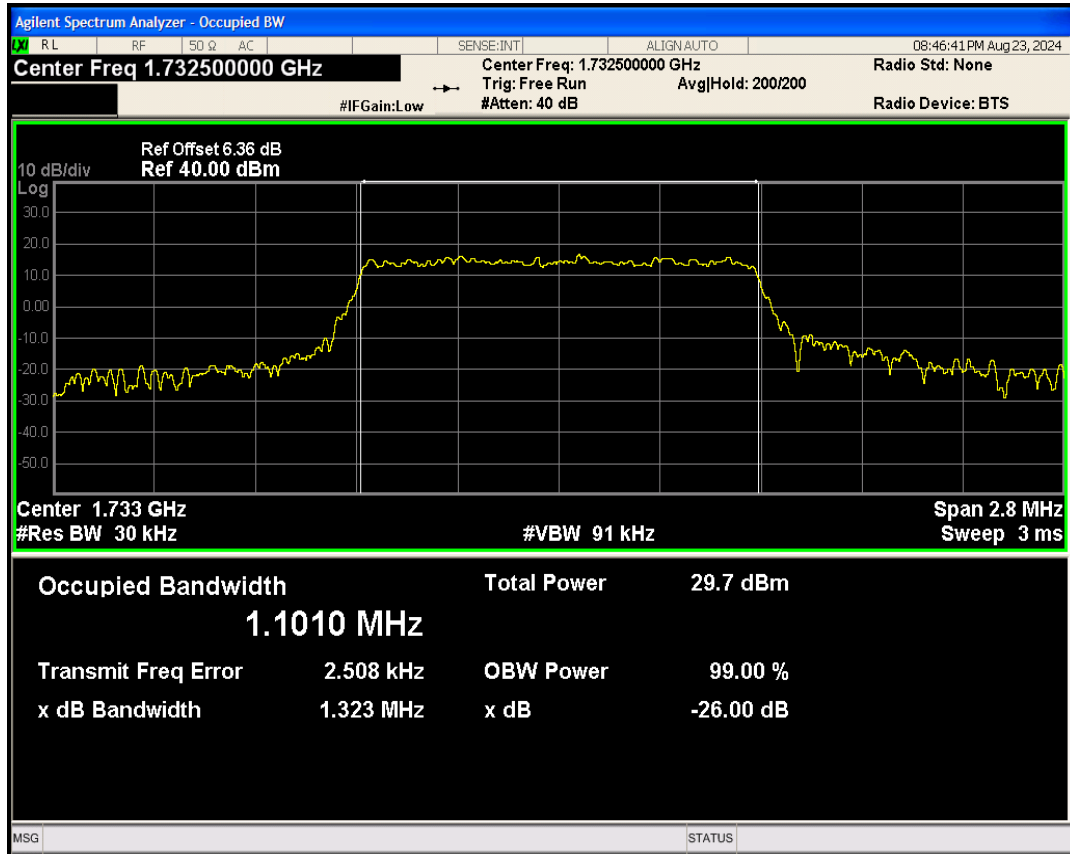
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



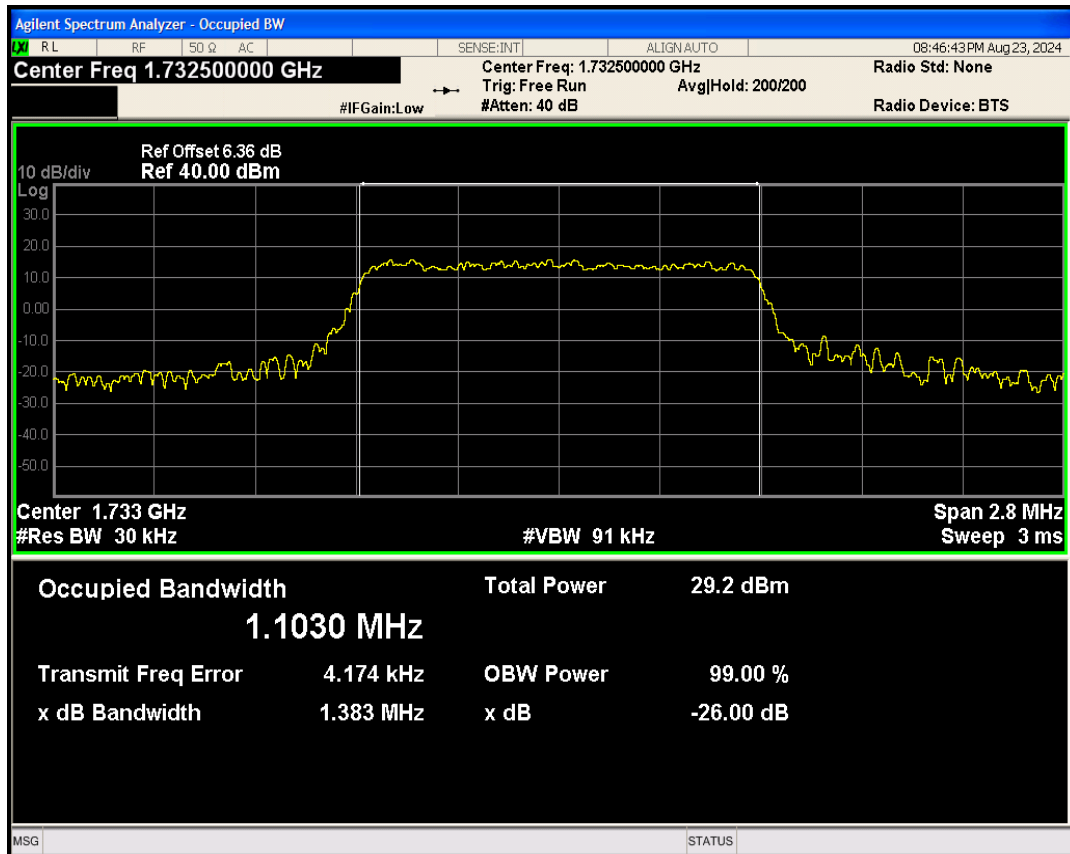
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



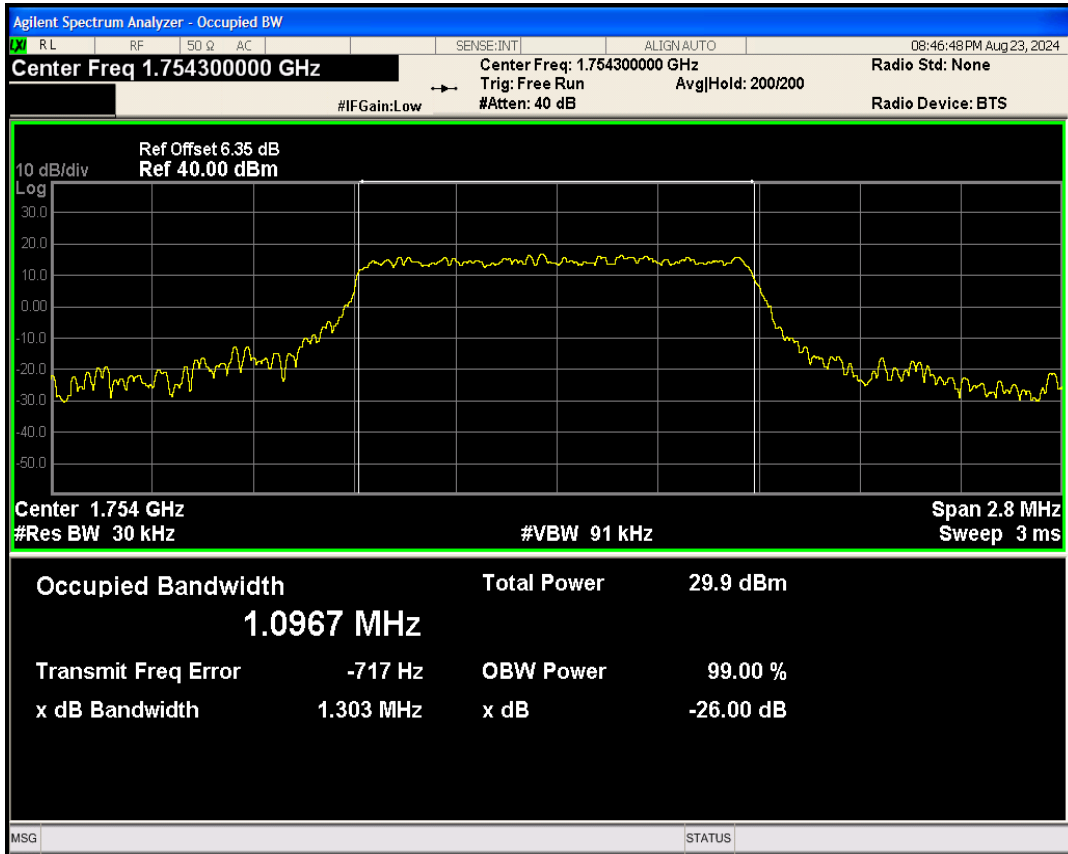
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



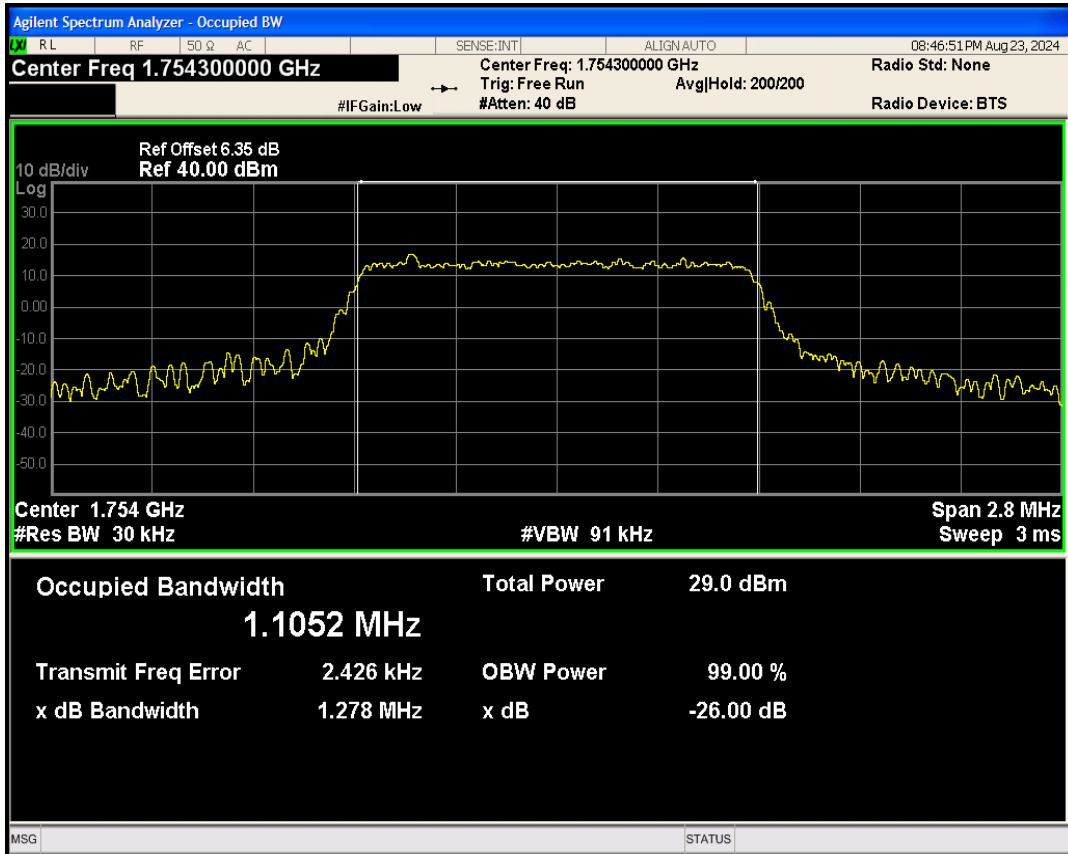
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



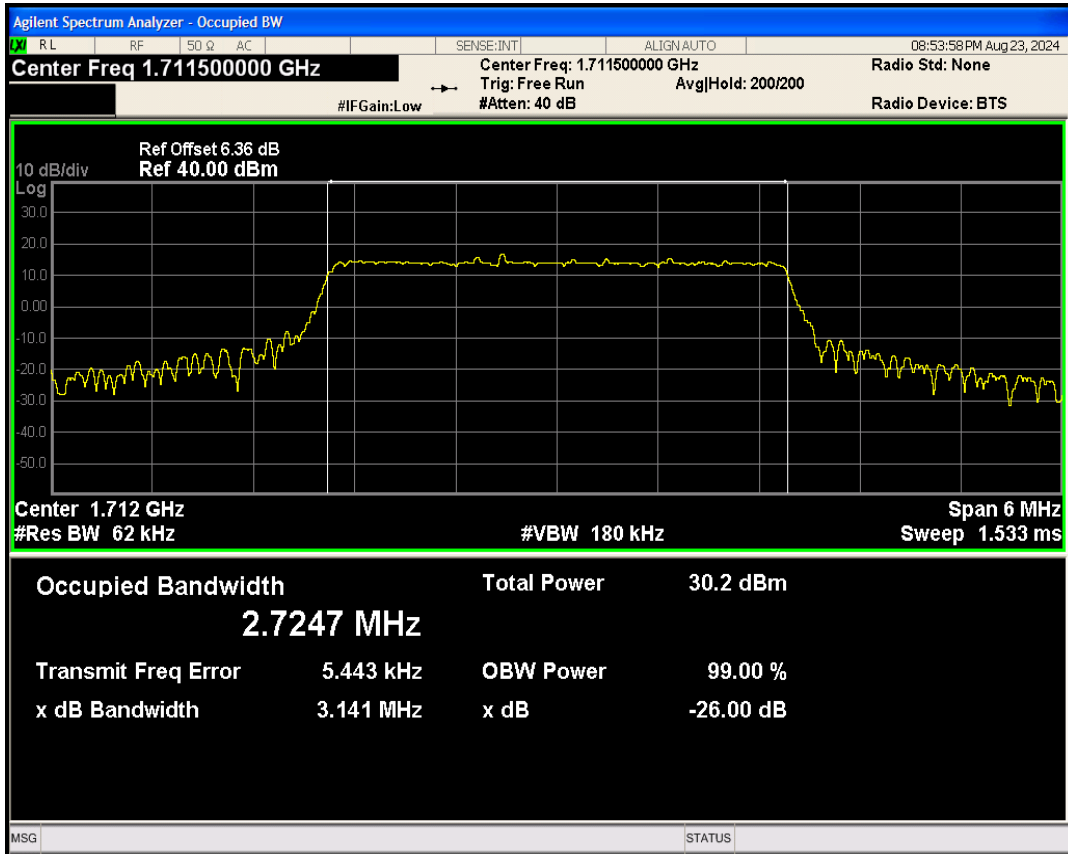
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



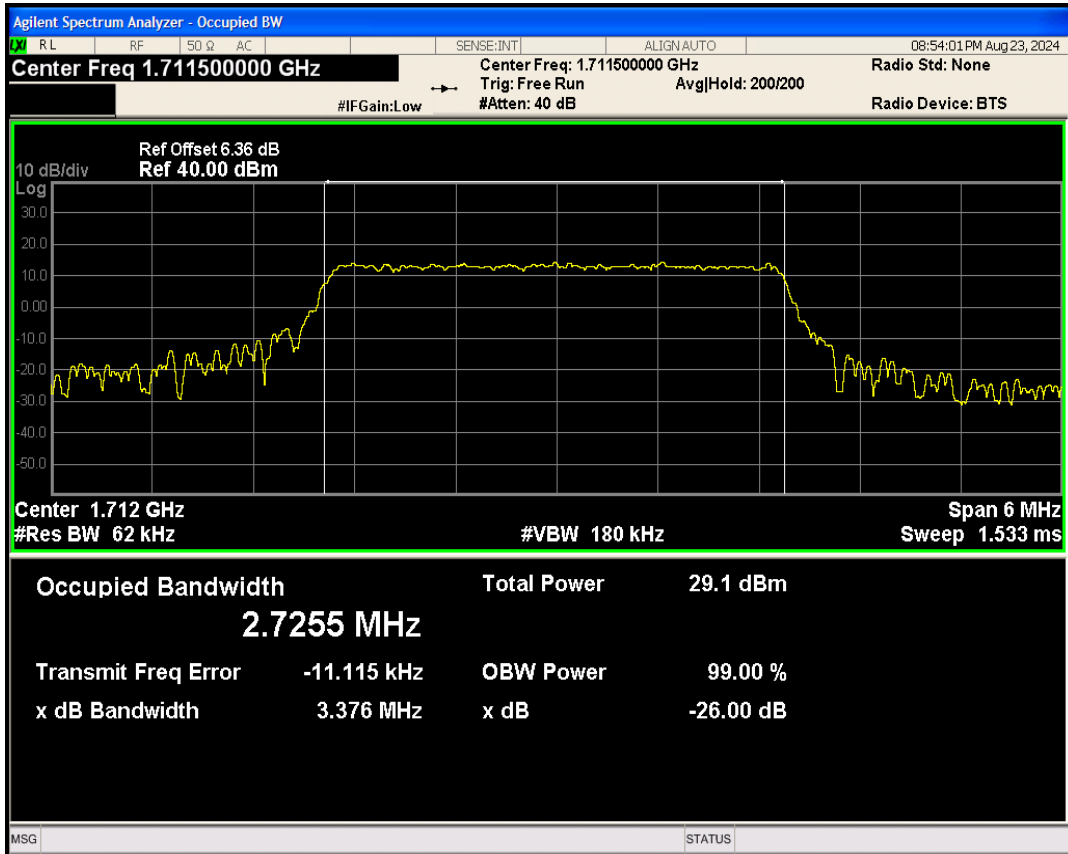
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



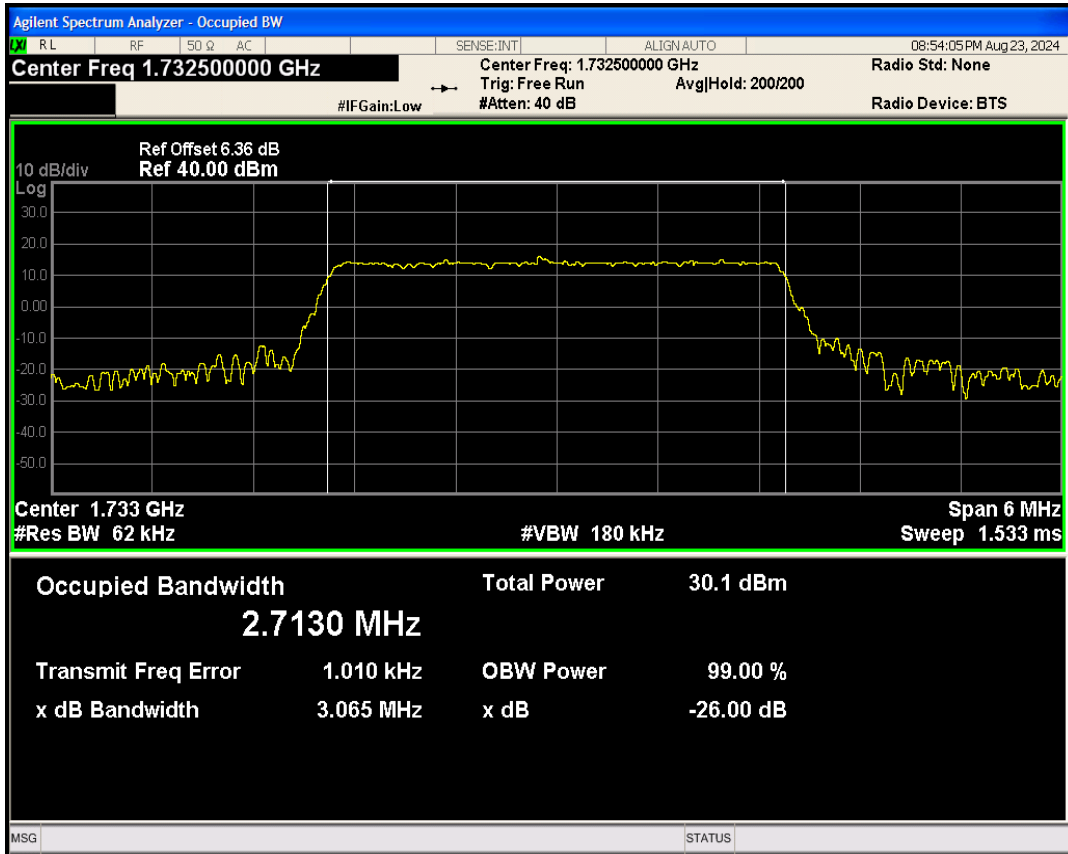
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



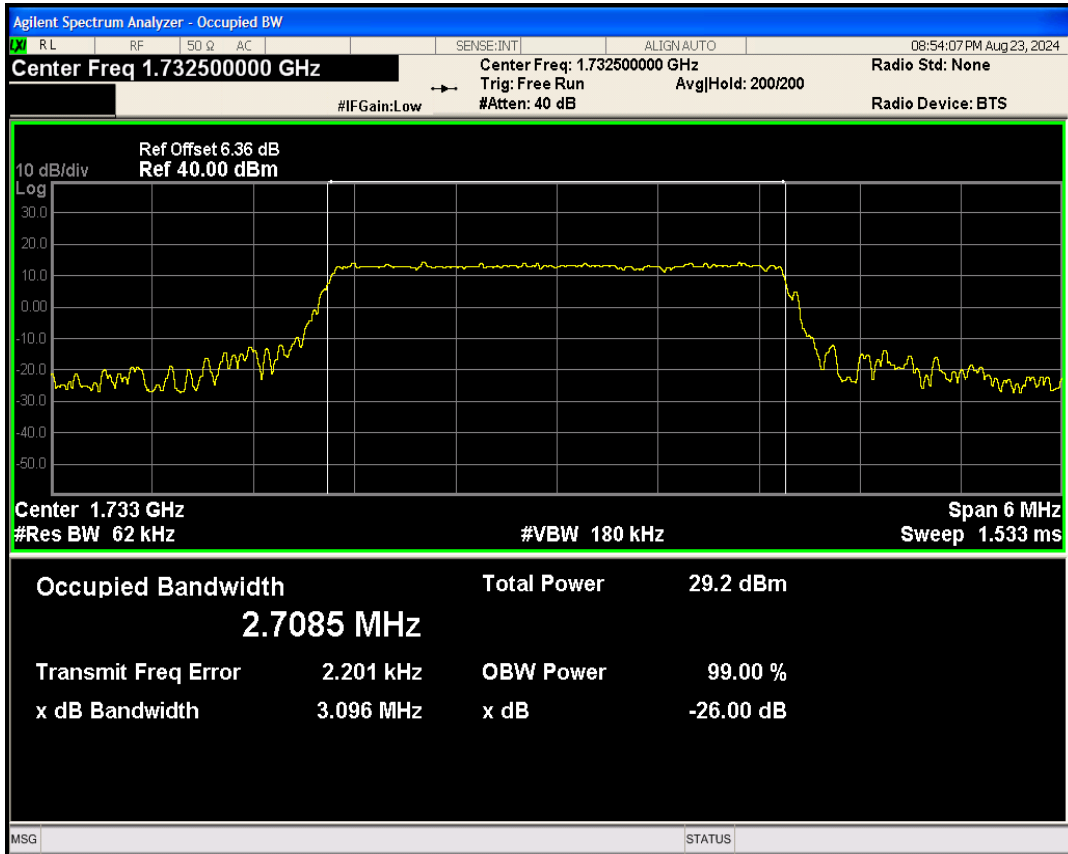
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



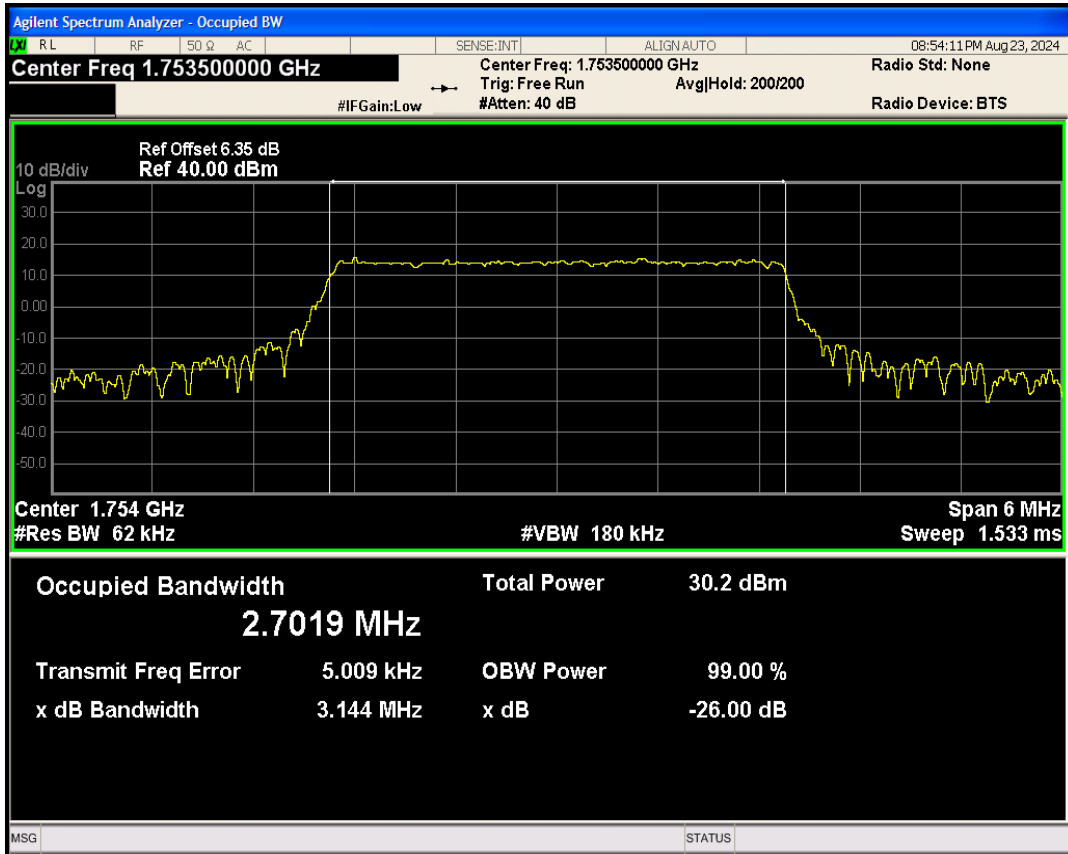
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



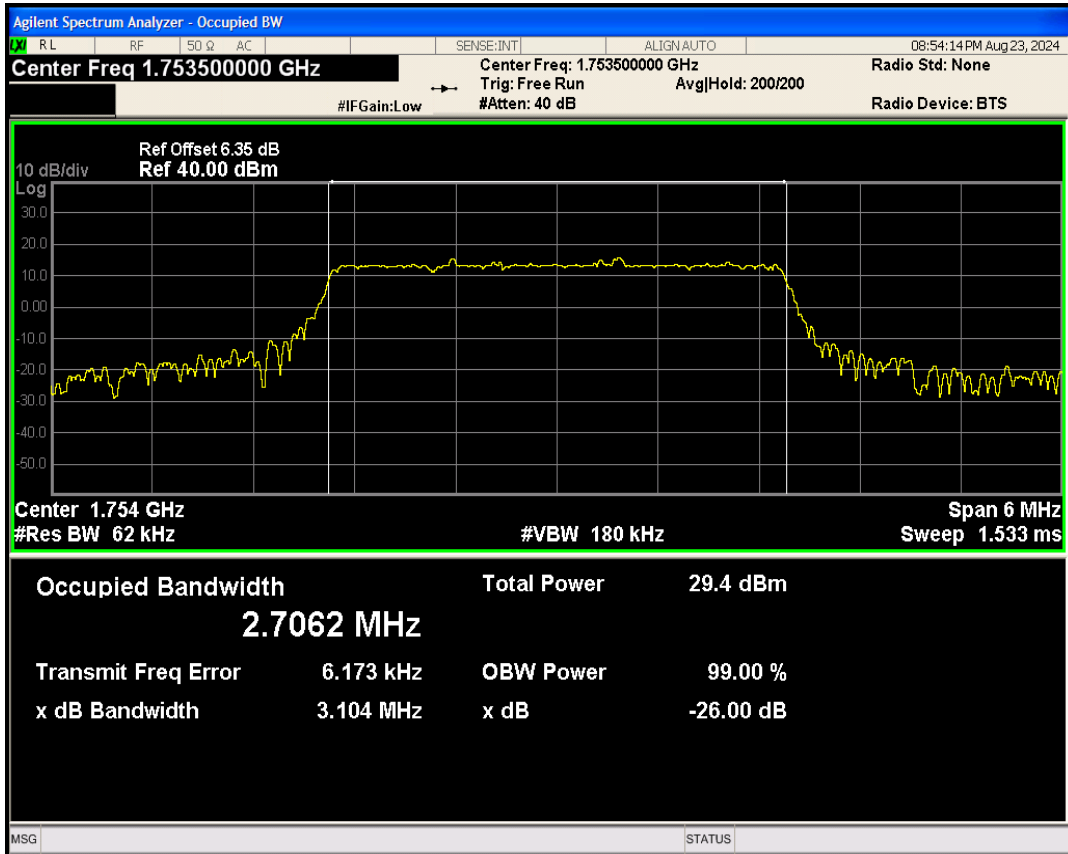
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



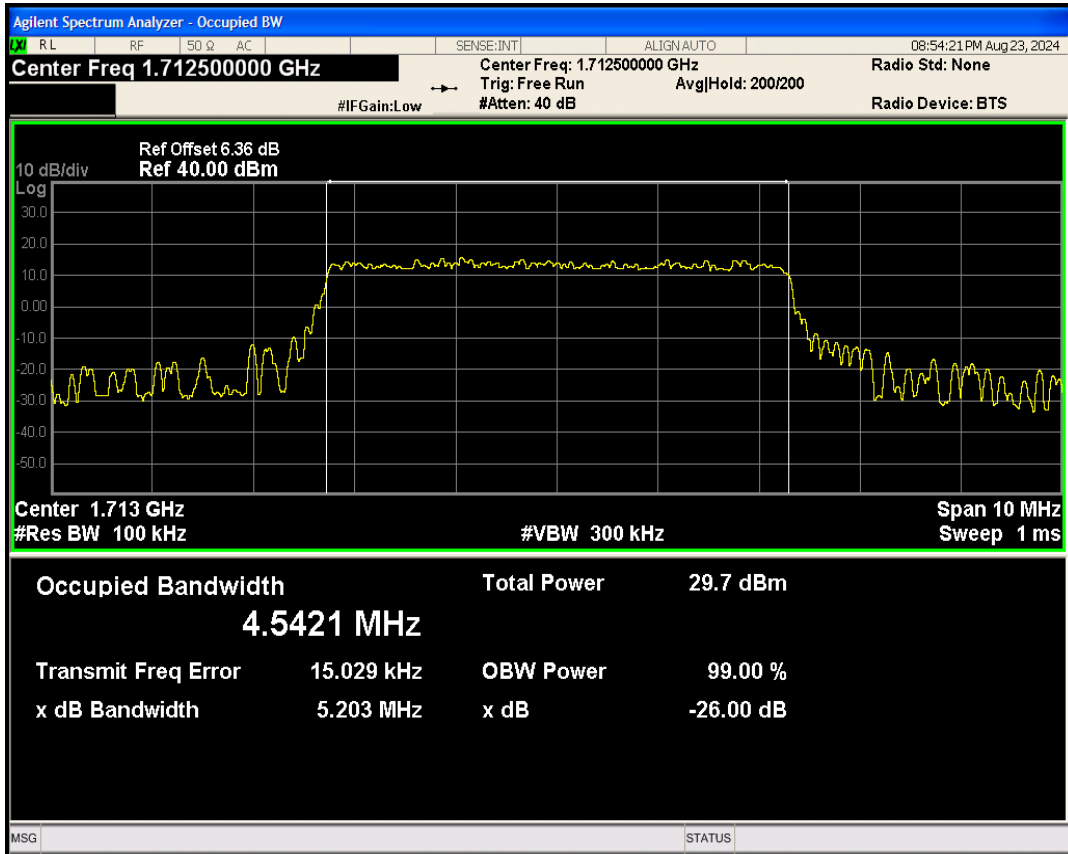
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



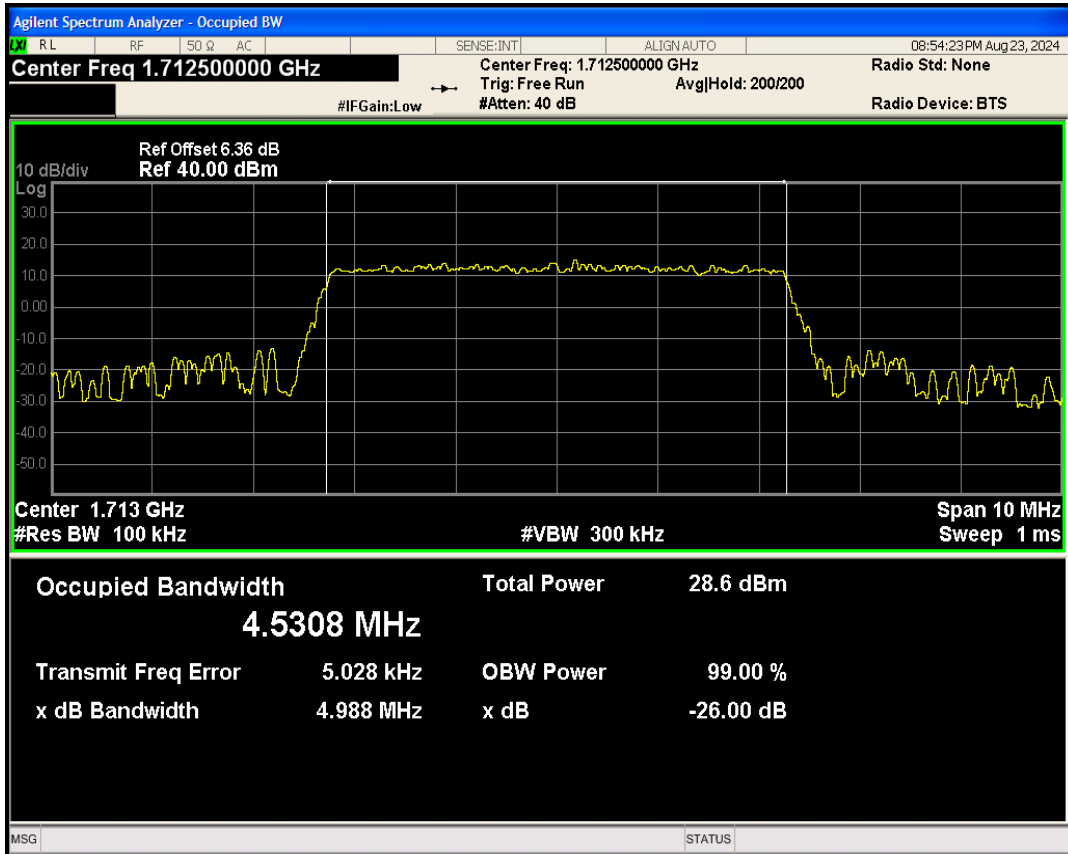
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



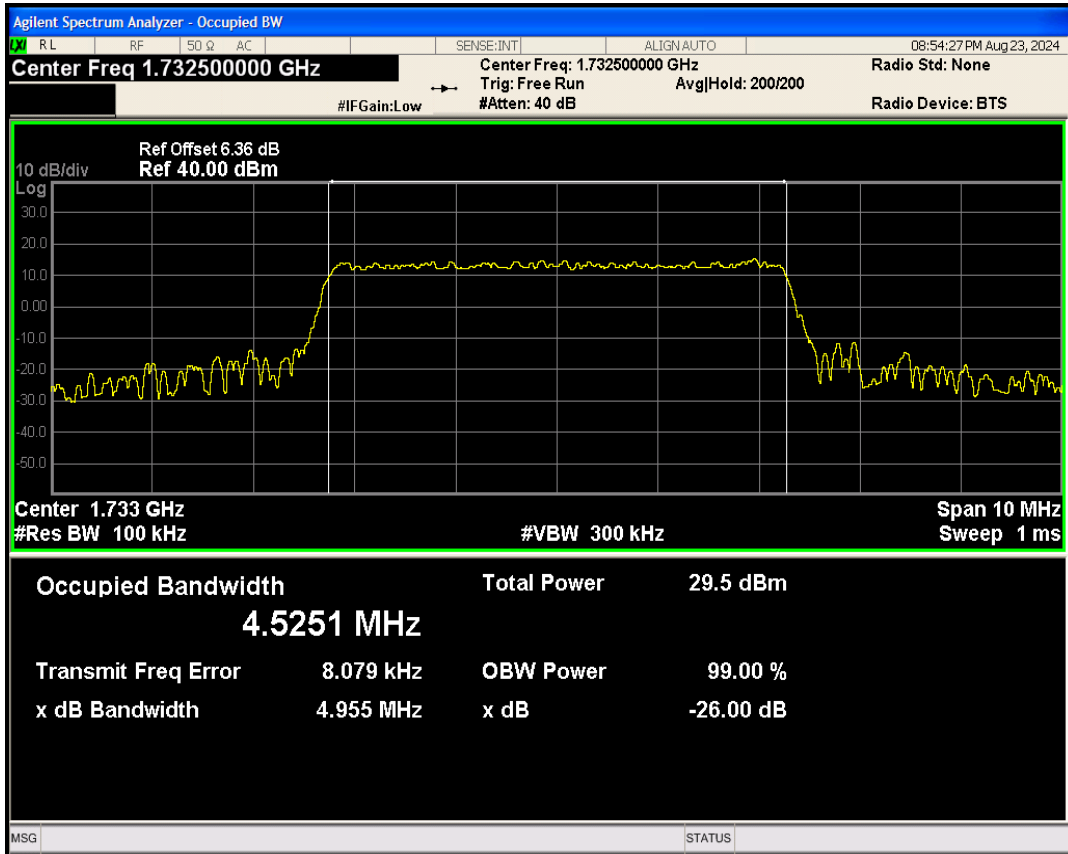
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



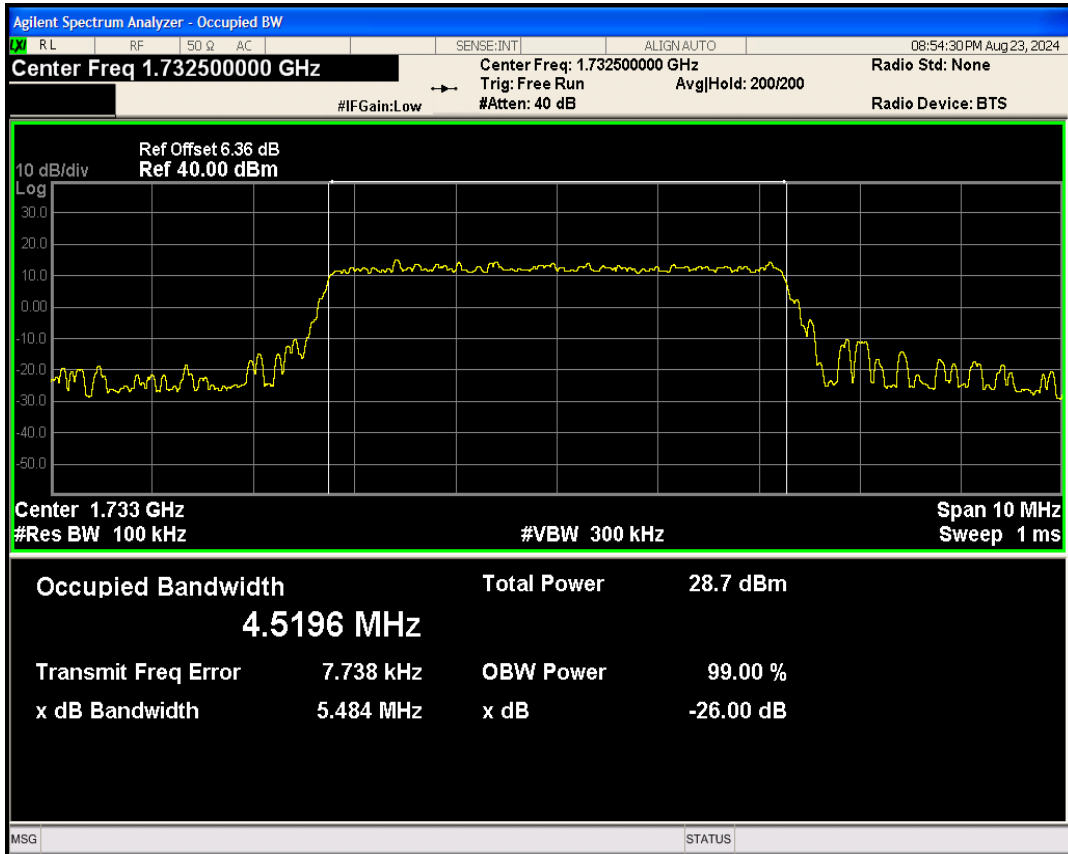
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



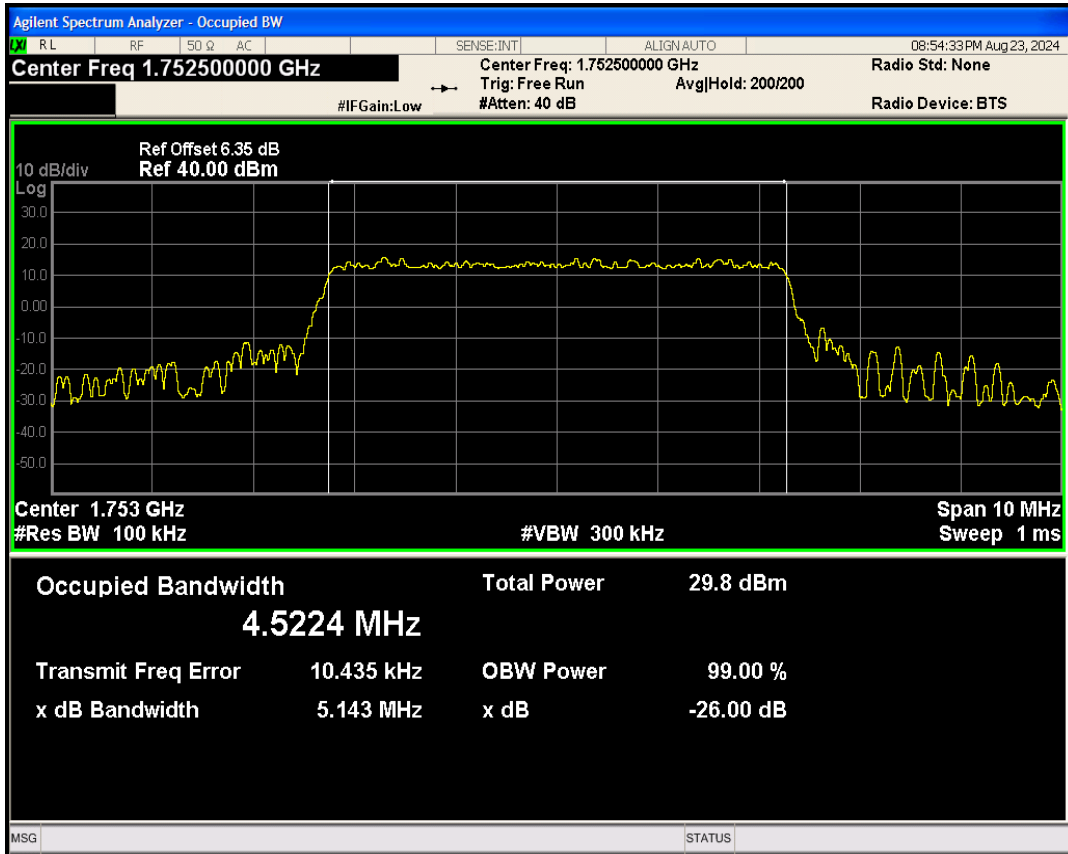
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



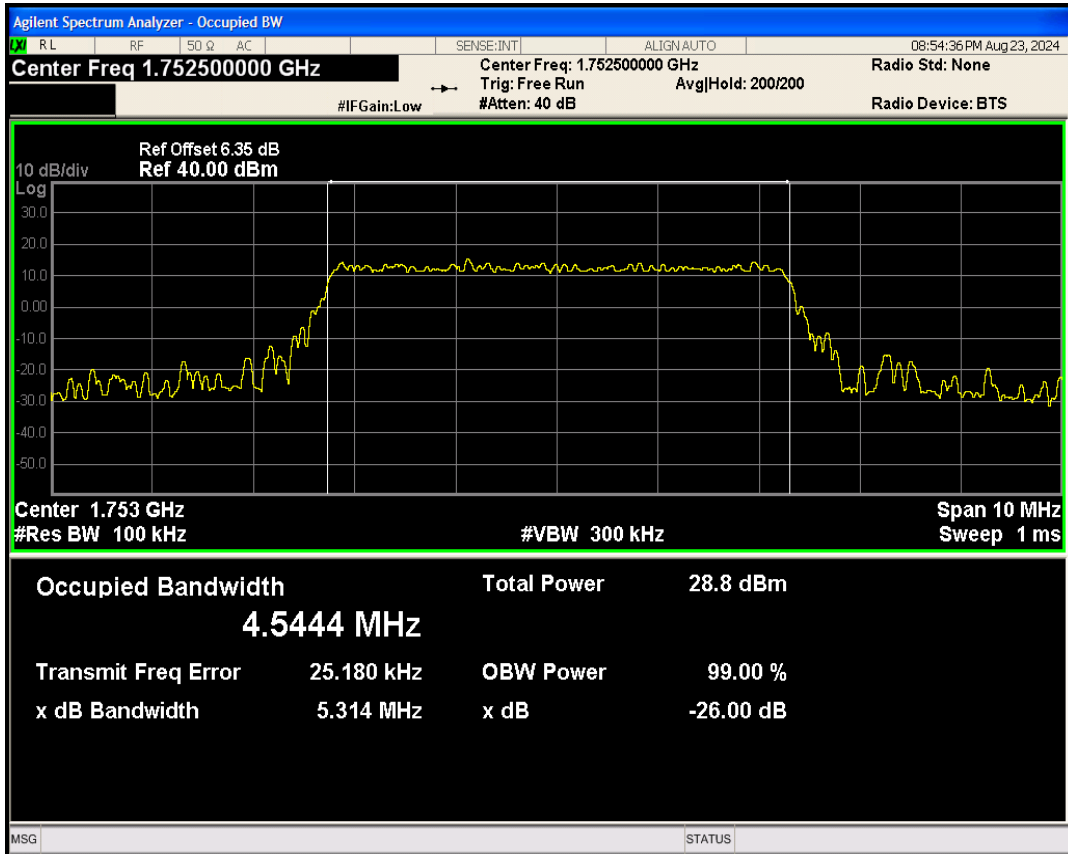
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



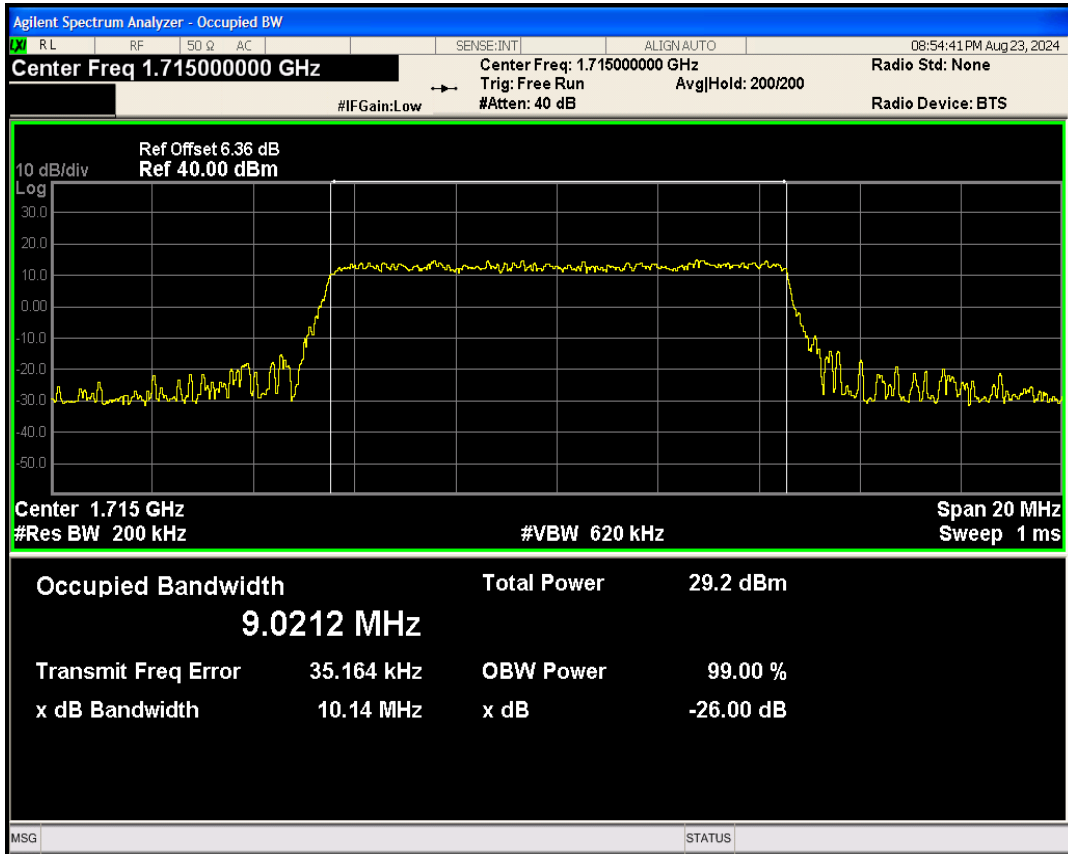
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



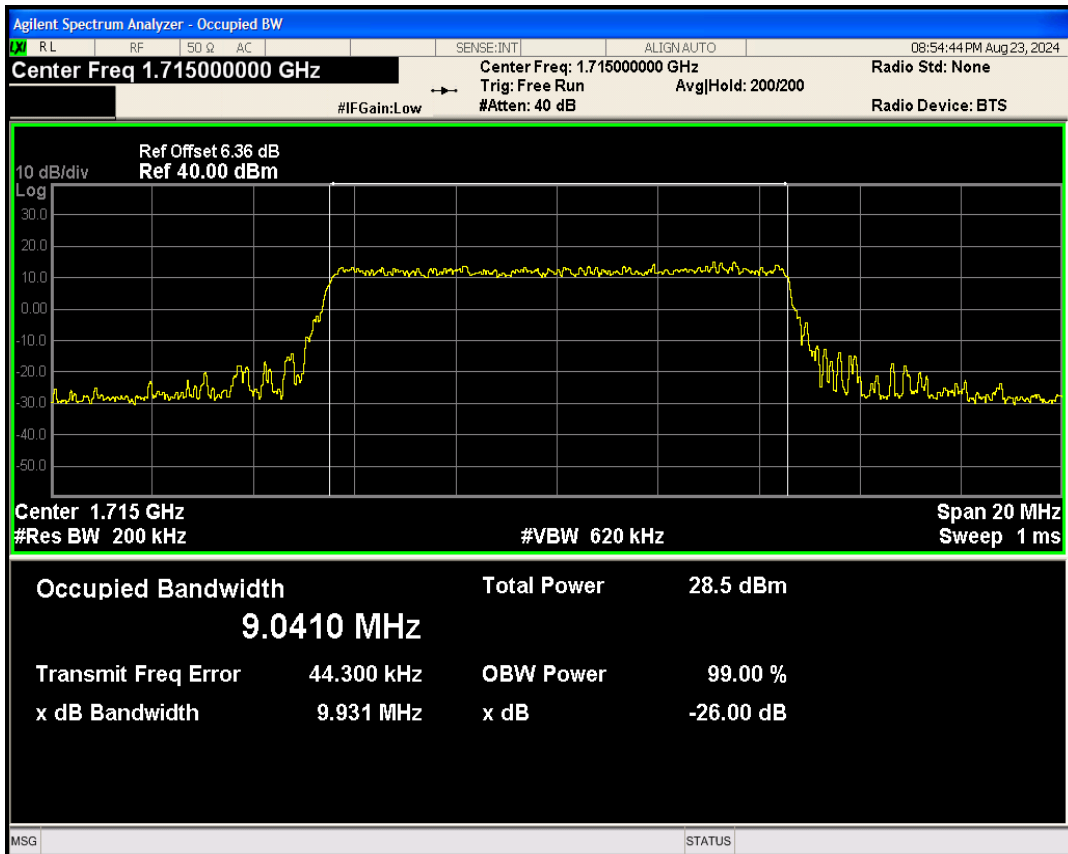
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



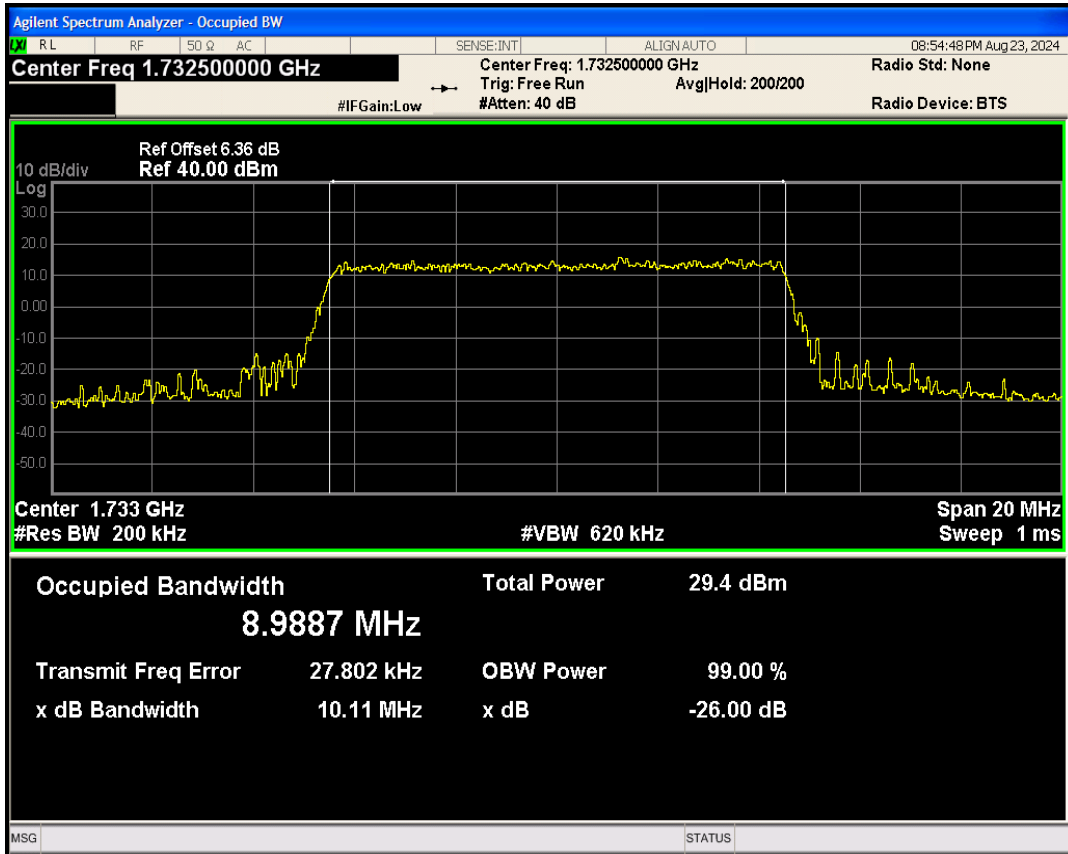
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



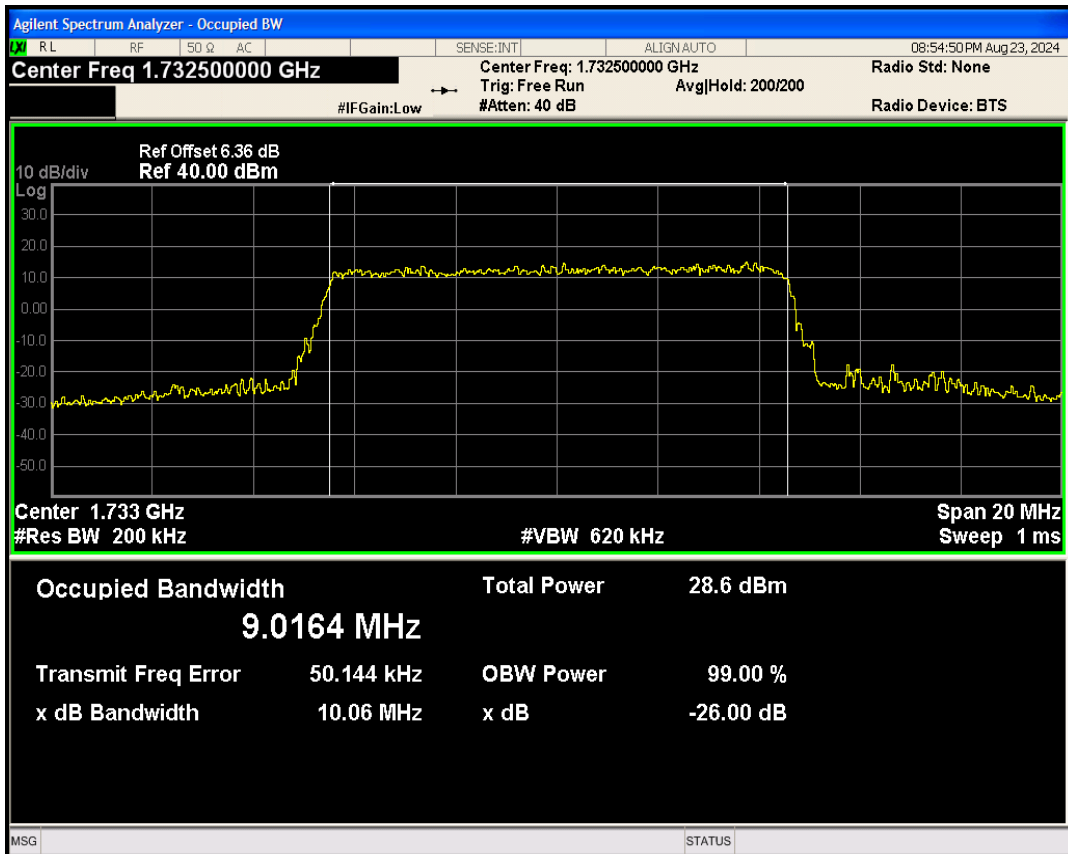
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



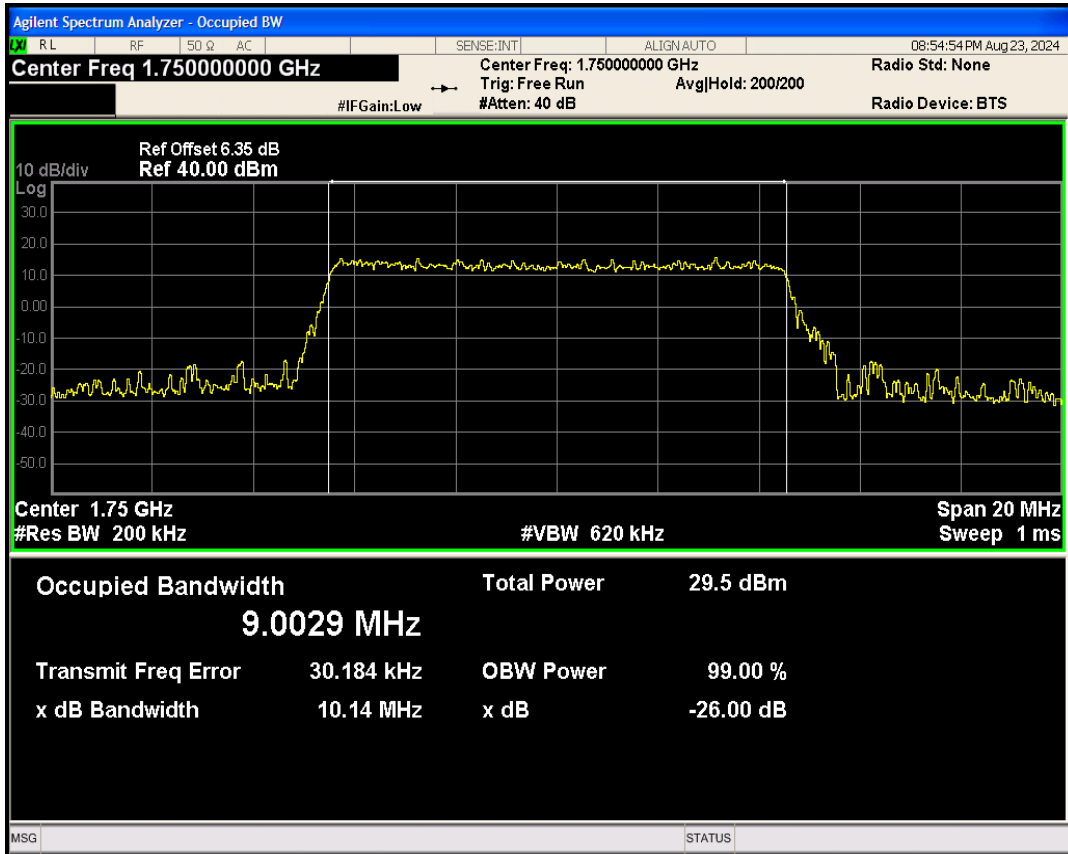
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



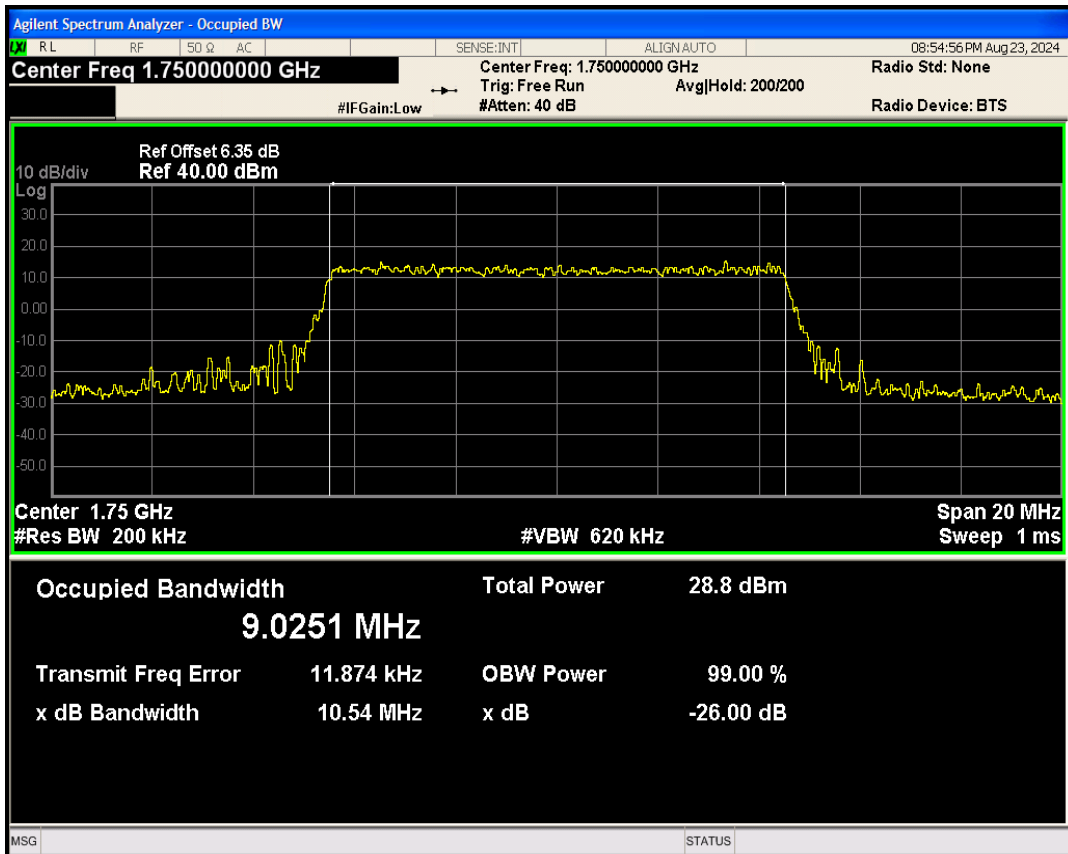
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



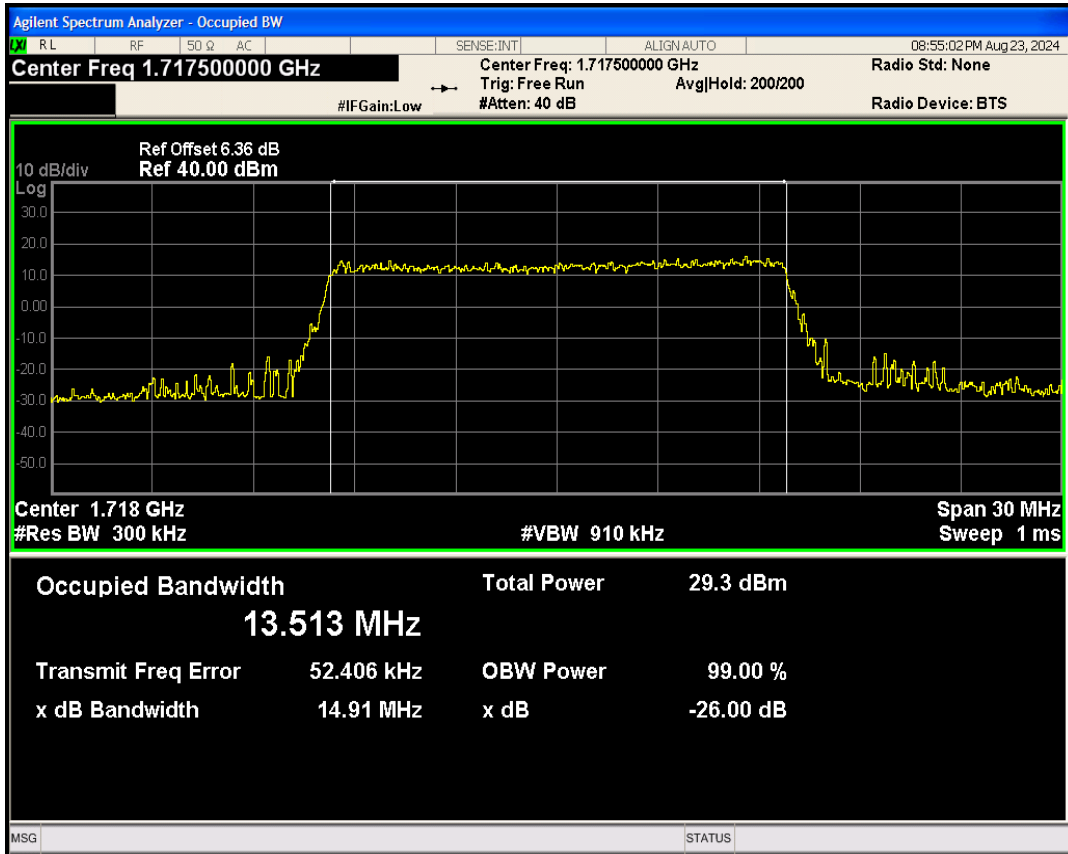
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



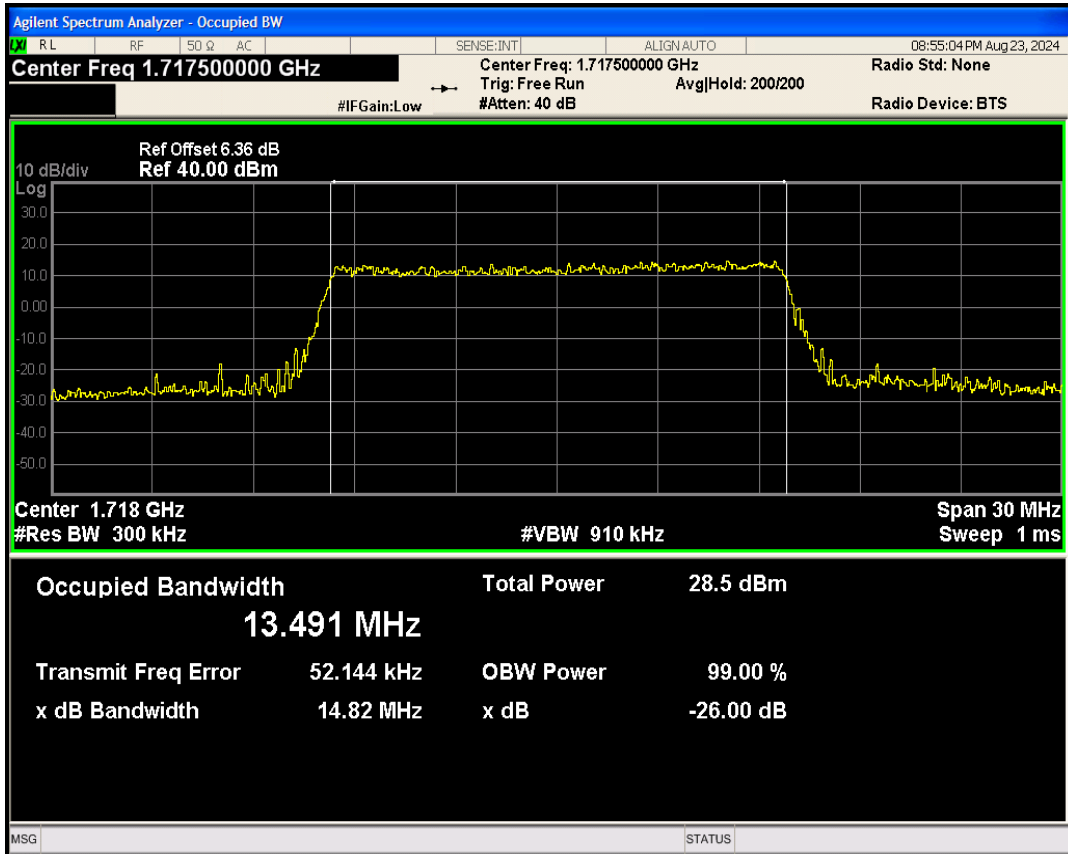
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



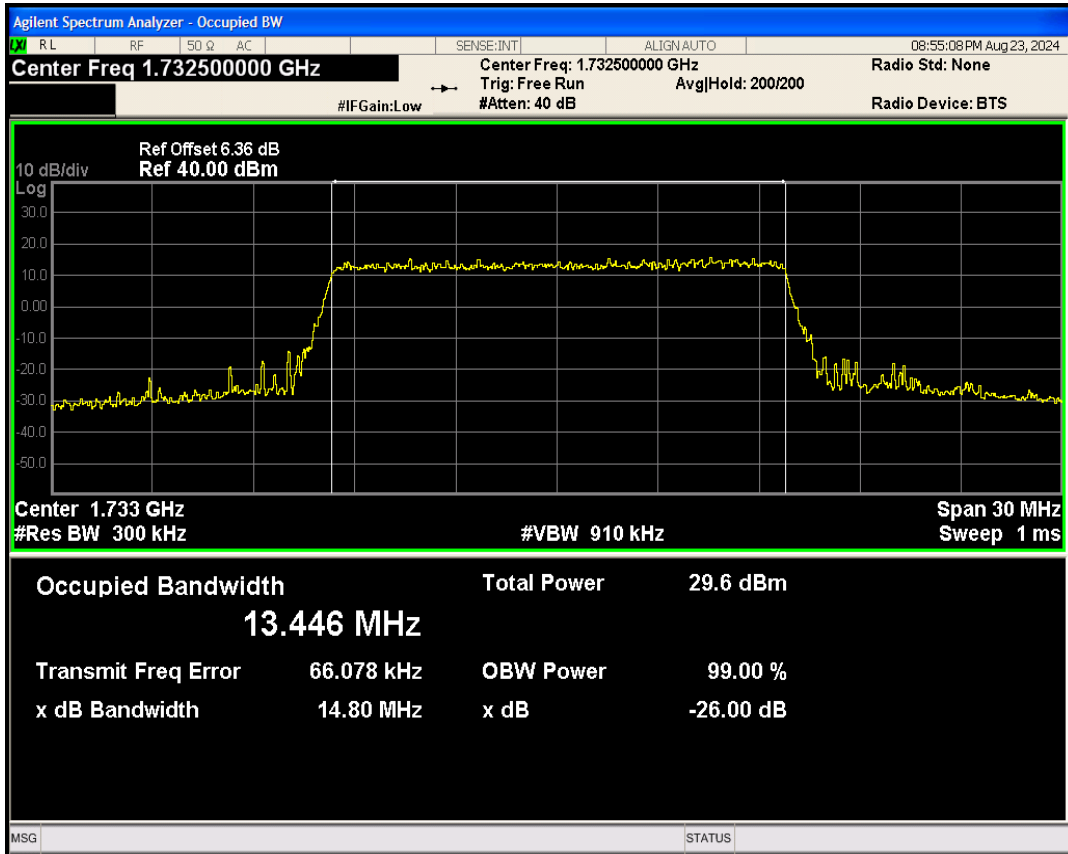
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



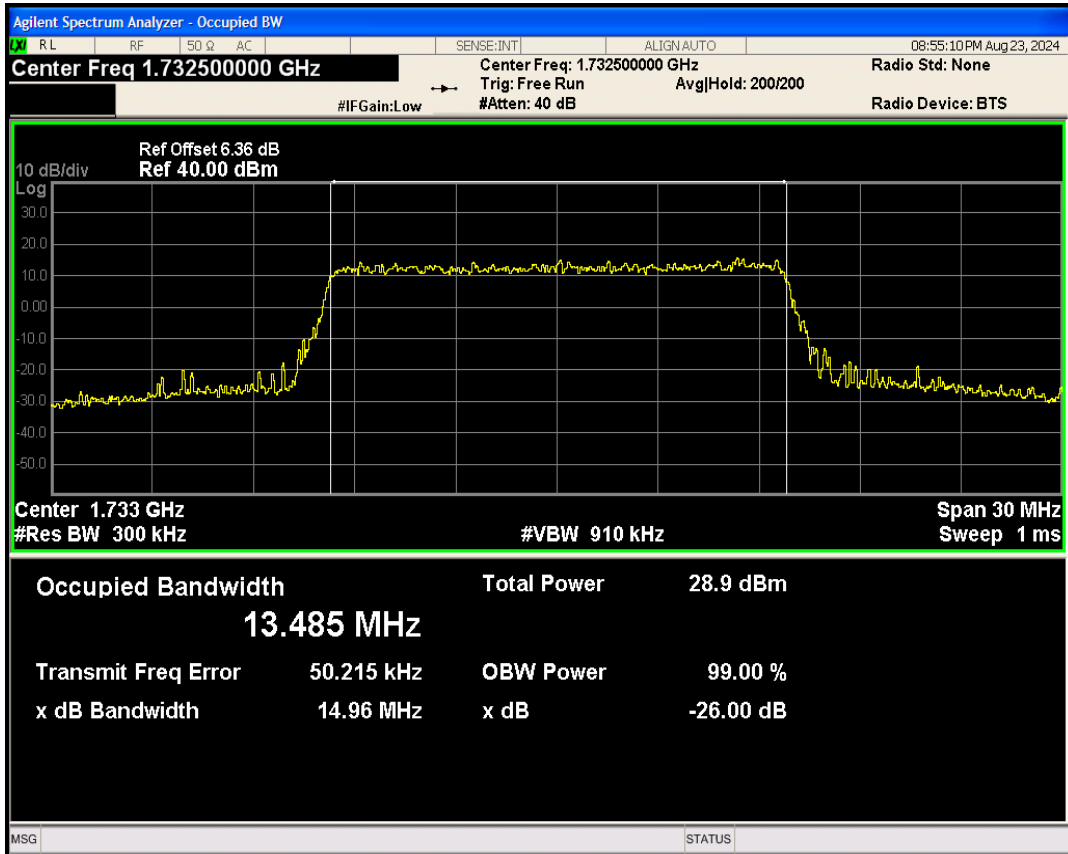
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



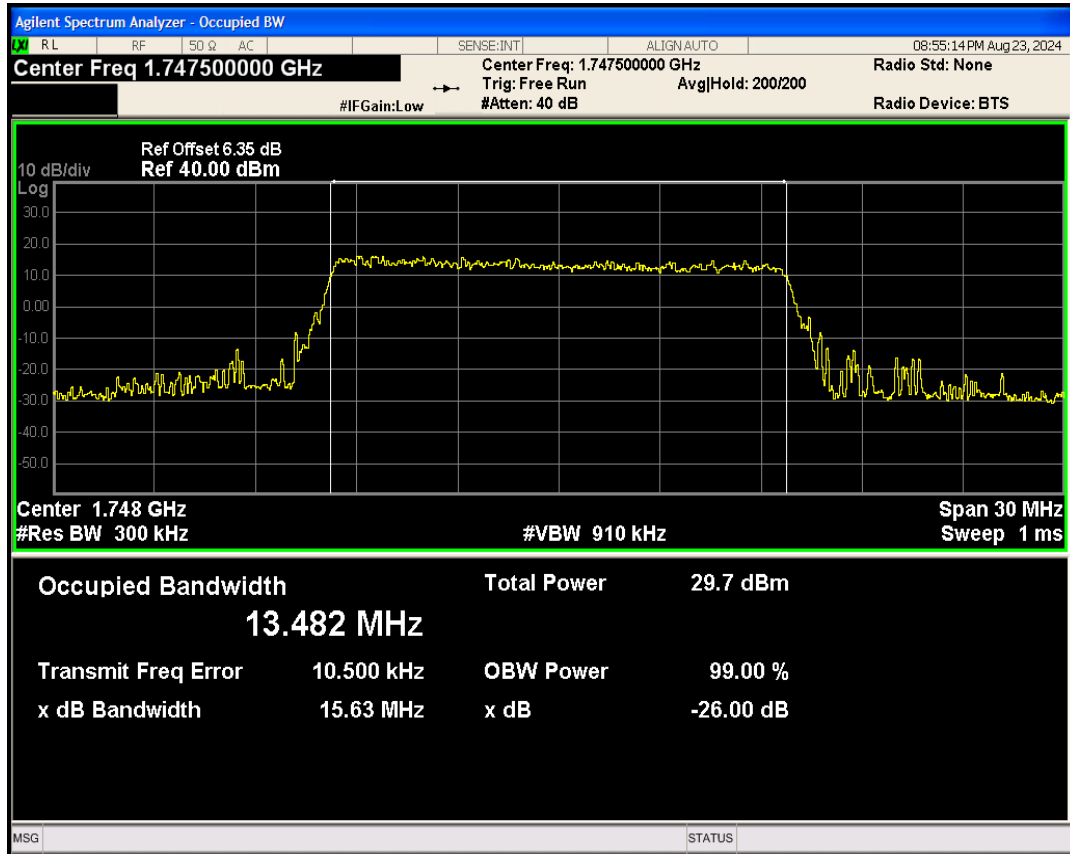
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



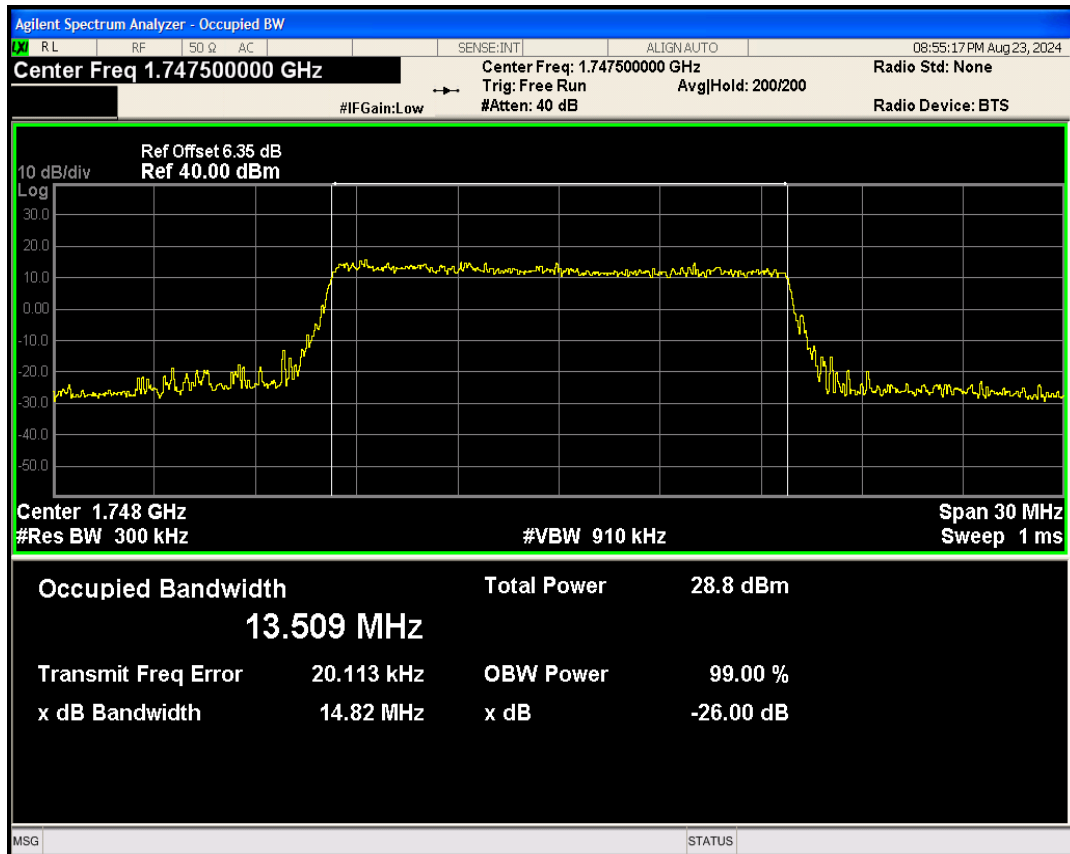
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



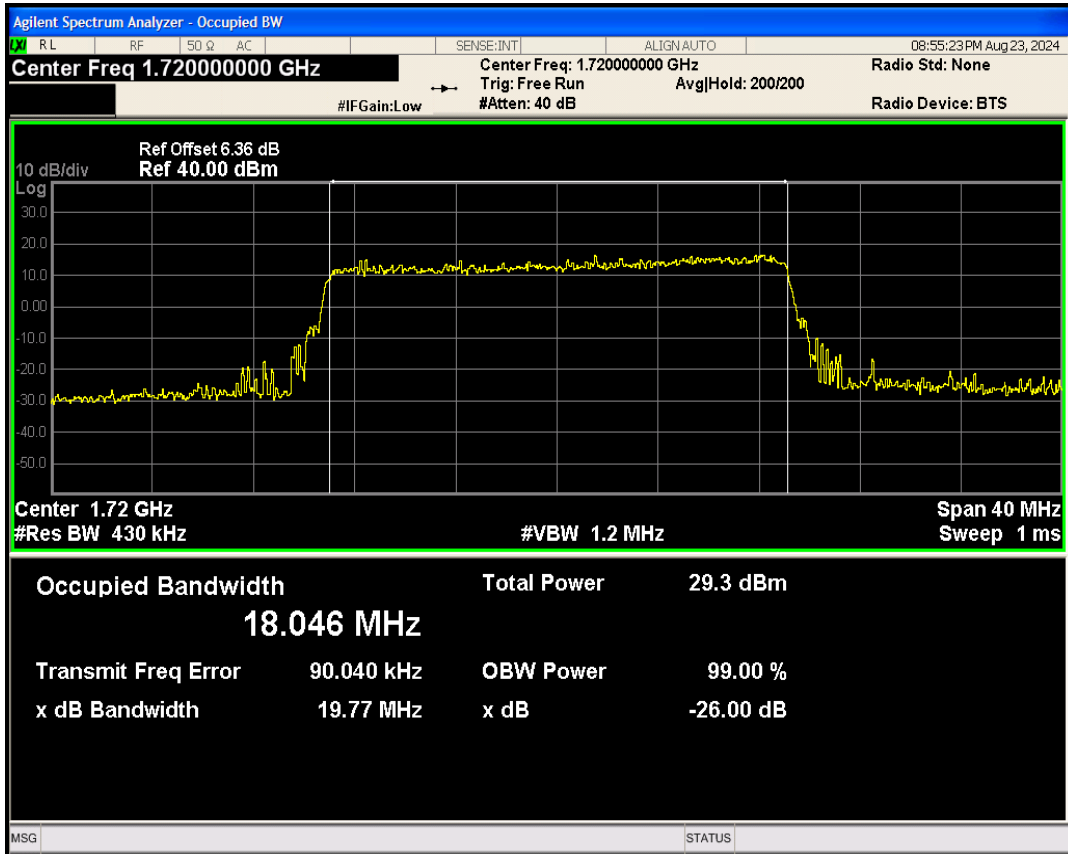
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



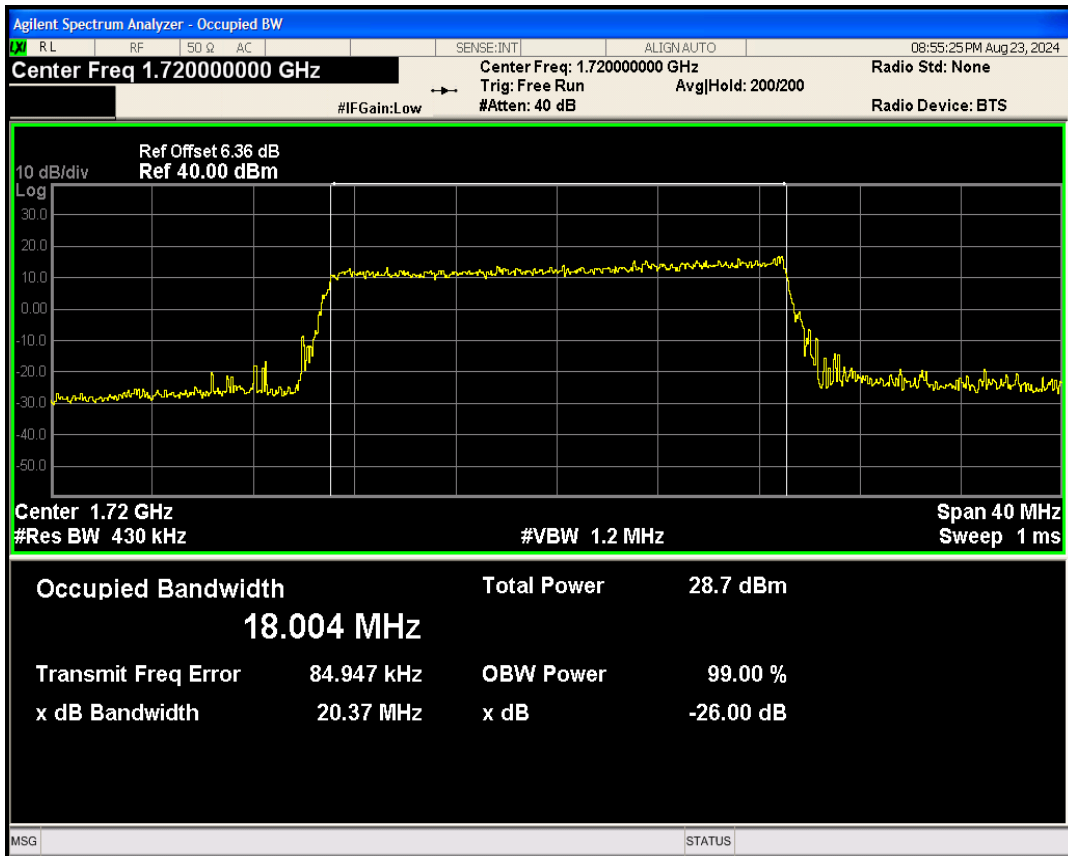
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



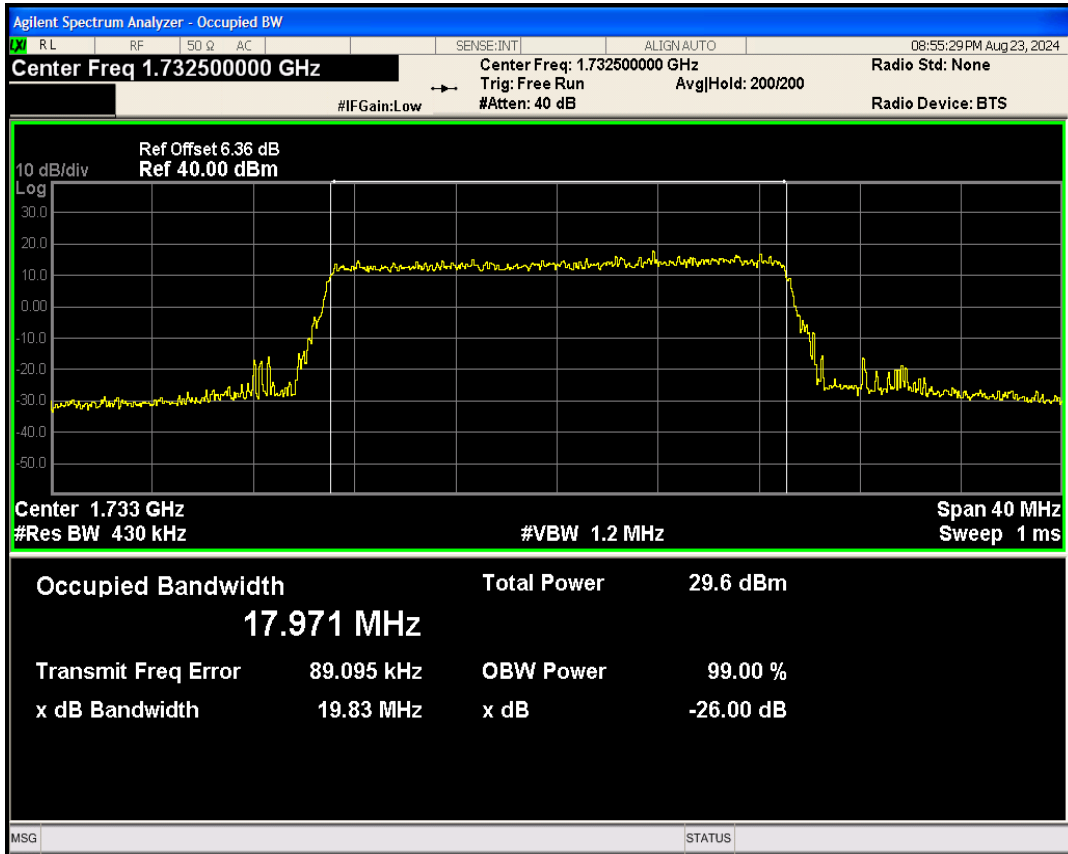
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



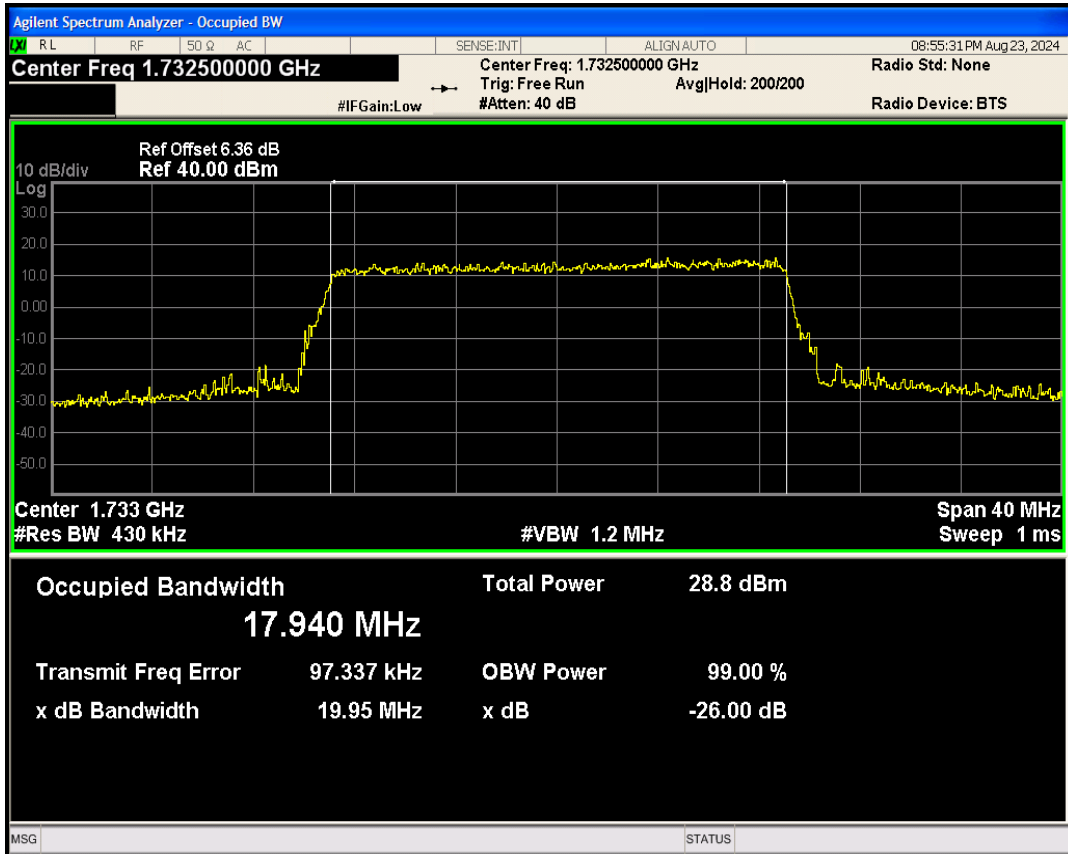
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



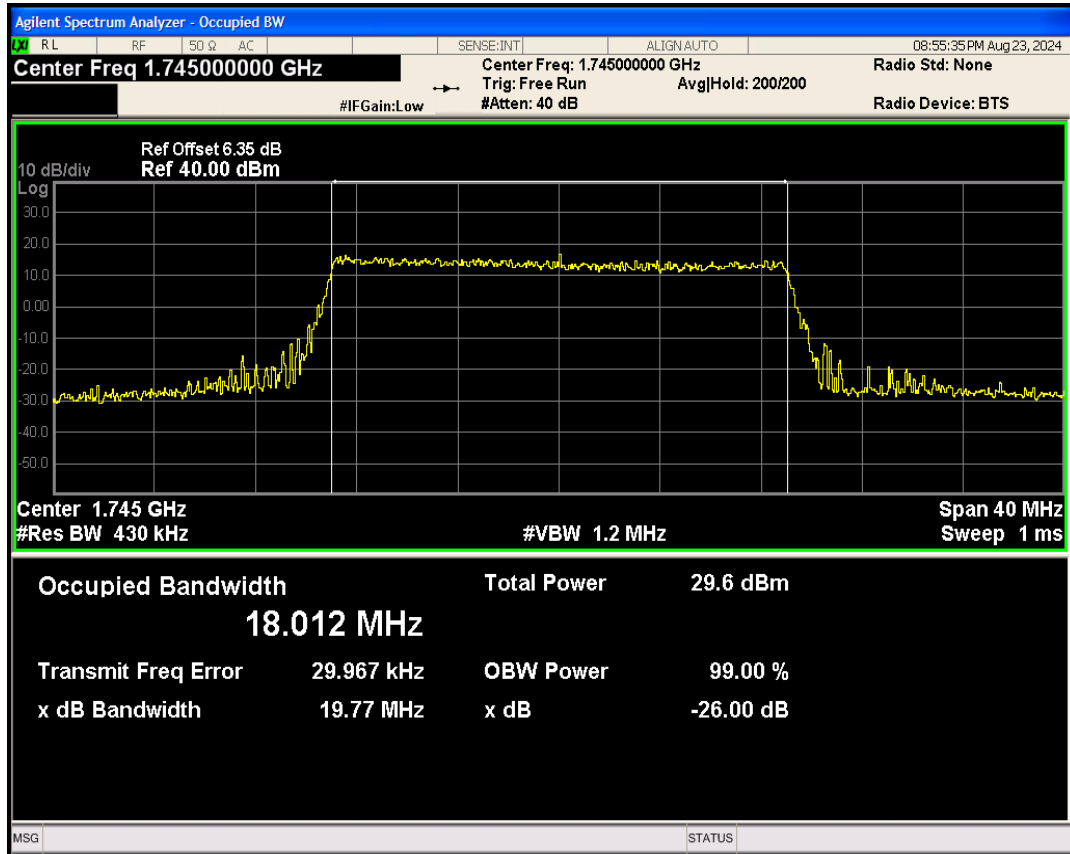
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



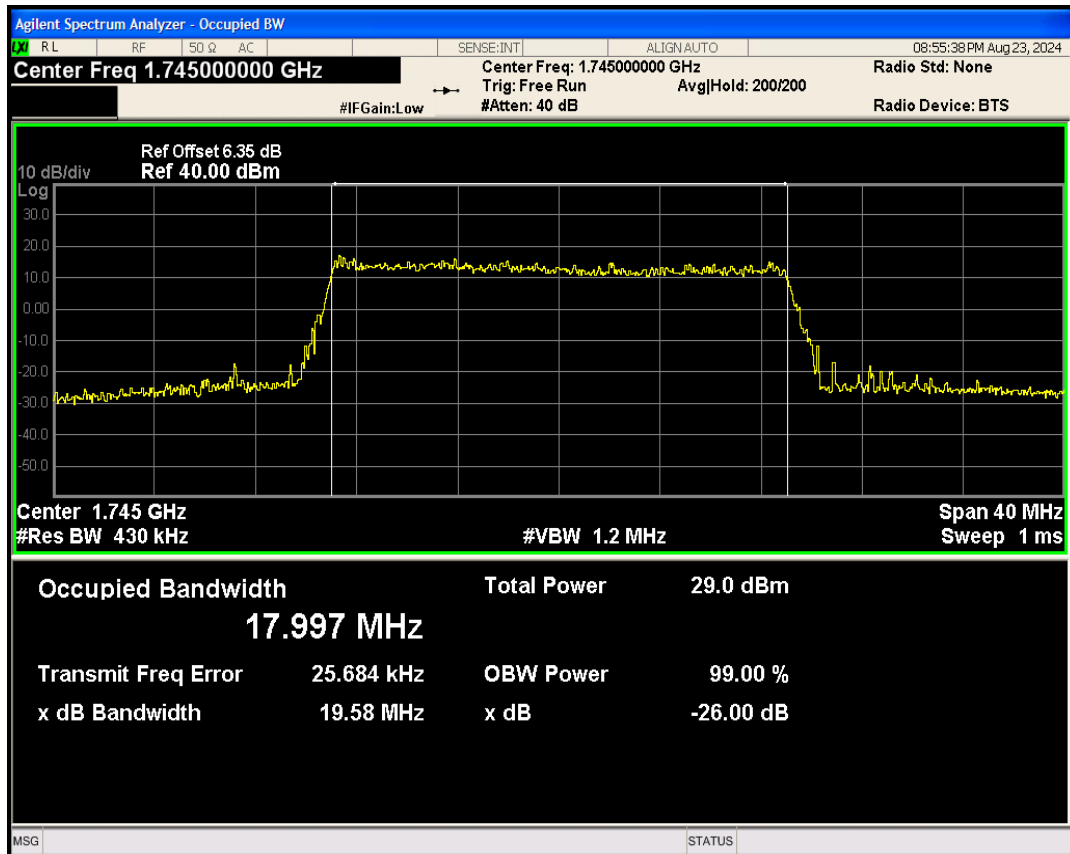
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



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



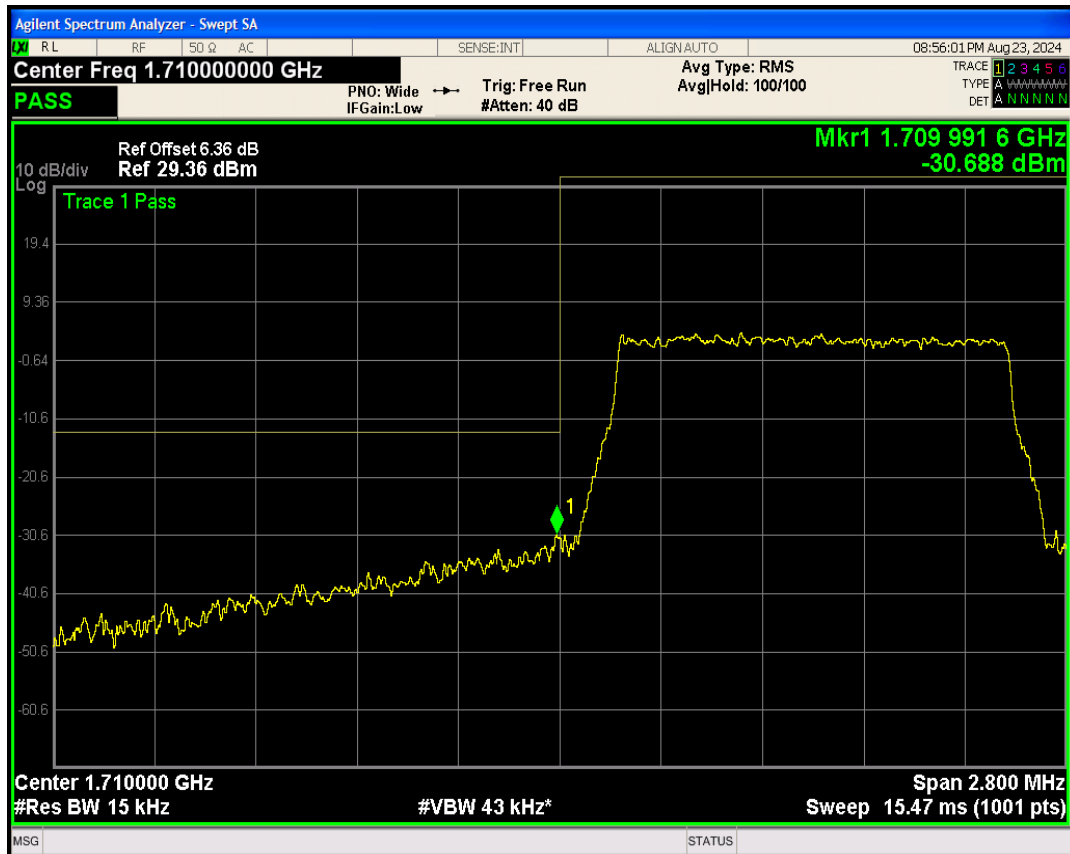
Appendix 5. Band edge

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	1709.98	-32.44	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.99	-30.68	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.08	-29.59	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.06	-30.85	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-24.51	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-26.09	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-25.10	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-25.28	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.98	-29.50	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-30.52	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-30.35	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.01	-27.56	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.92	-33.89	-13	PASS
Band4	10	20000	50	#0	16QAM	1709.88	-34.01	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-34.65	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.16	-33.40	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.97	-35.32	-13	PASS
Band4	15	20025	75	#0	16QAM	1710.00	-33.23	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-32.59	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.06	-30.70	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.64	-36.92	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.96	-35.53	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.08	-35.25	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.12	-34.31	-13	PASS

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



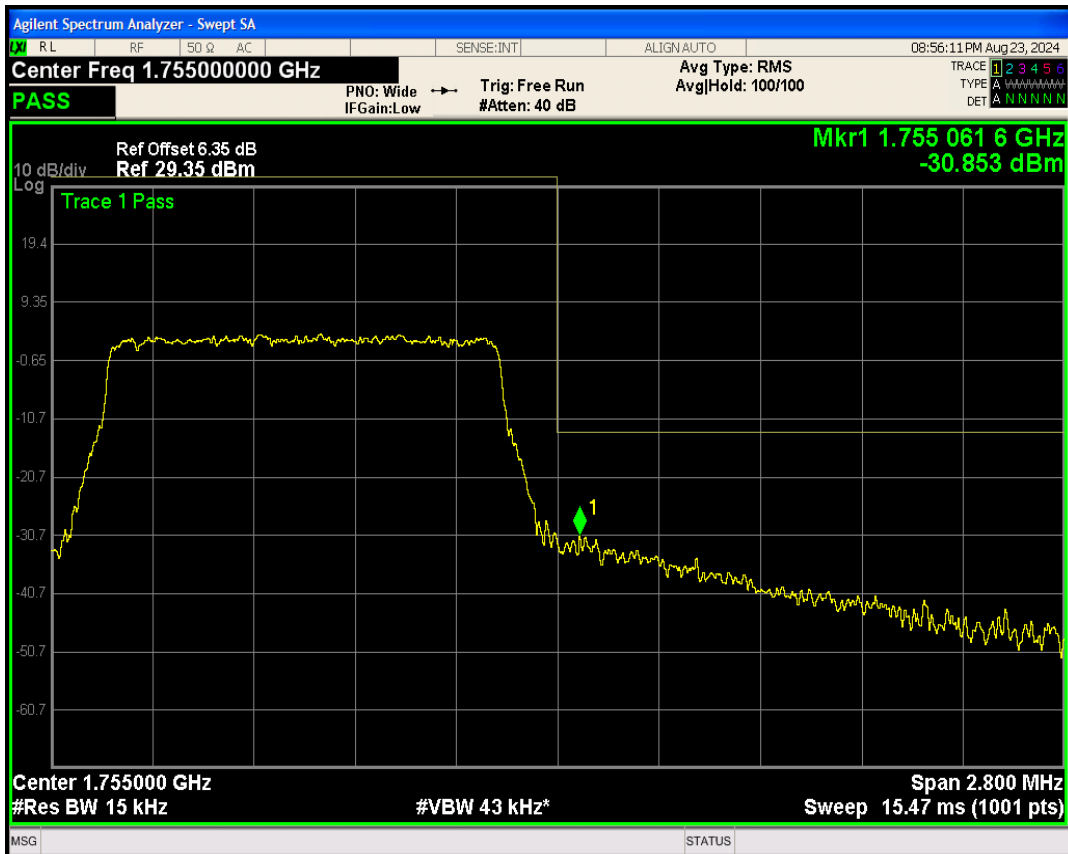
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



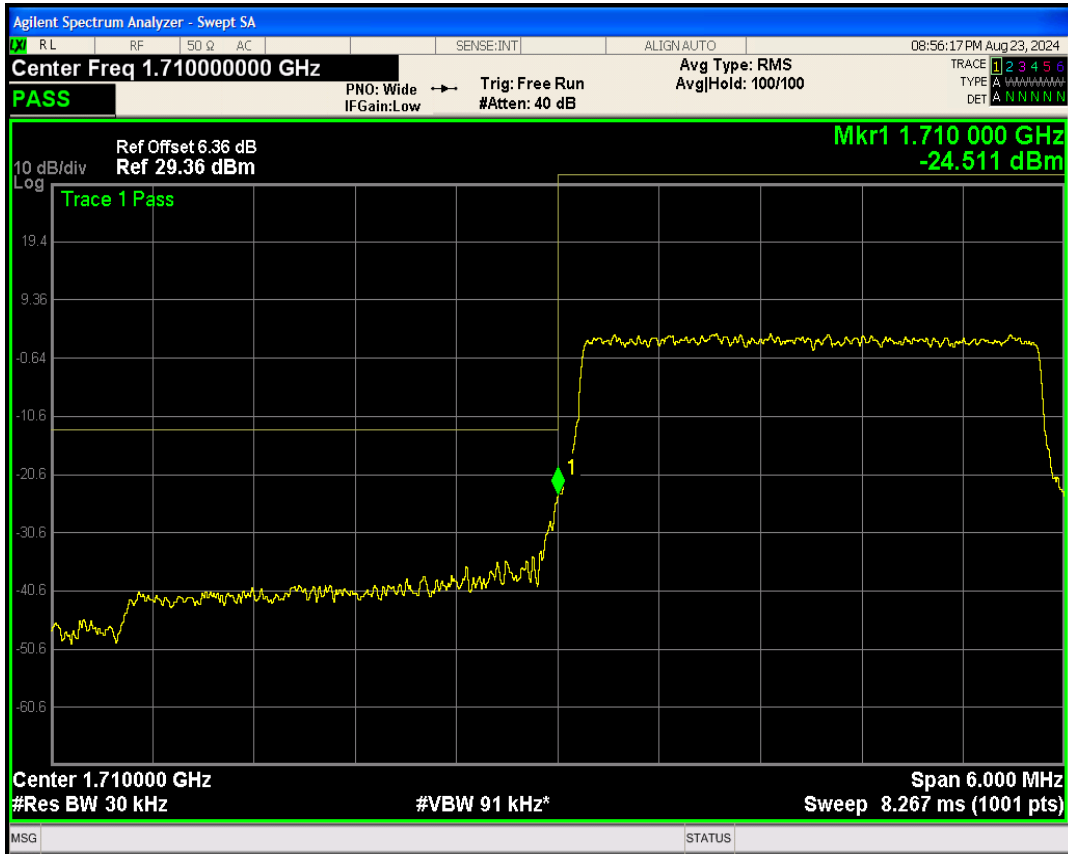
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



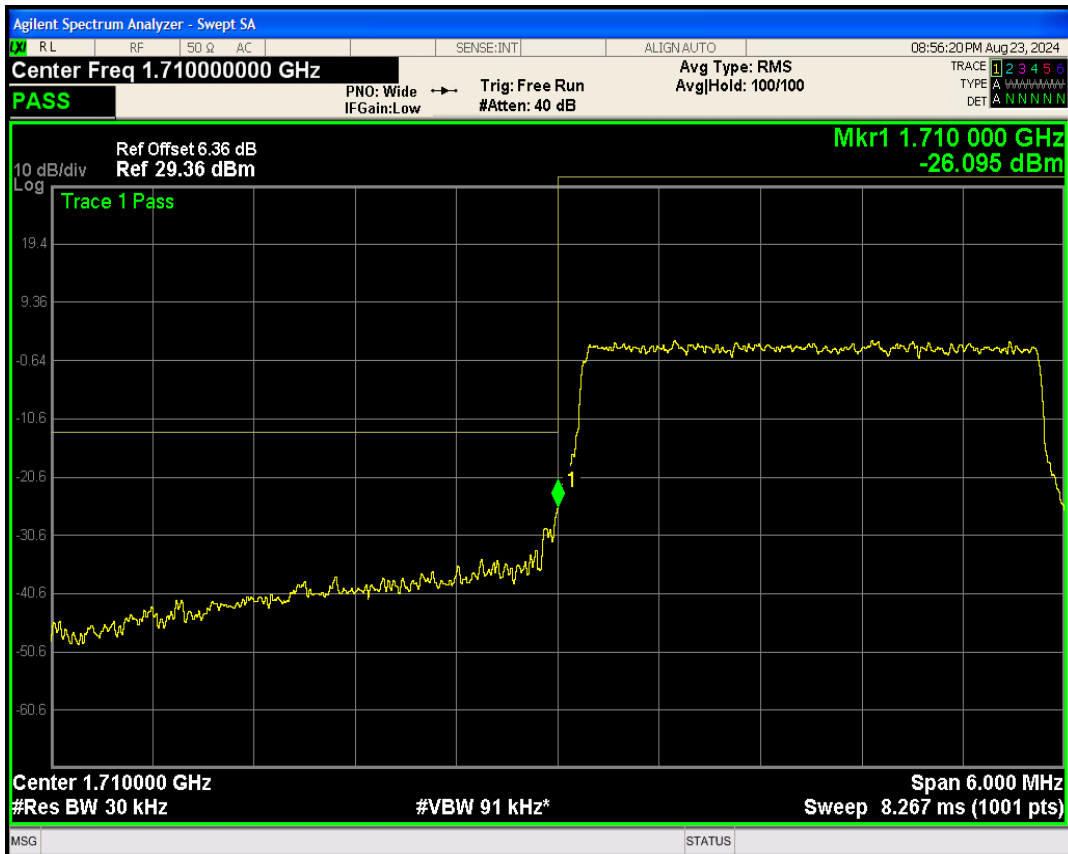
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



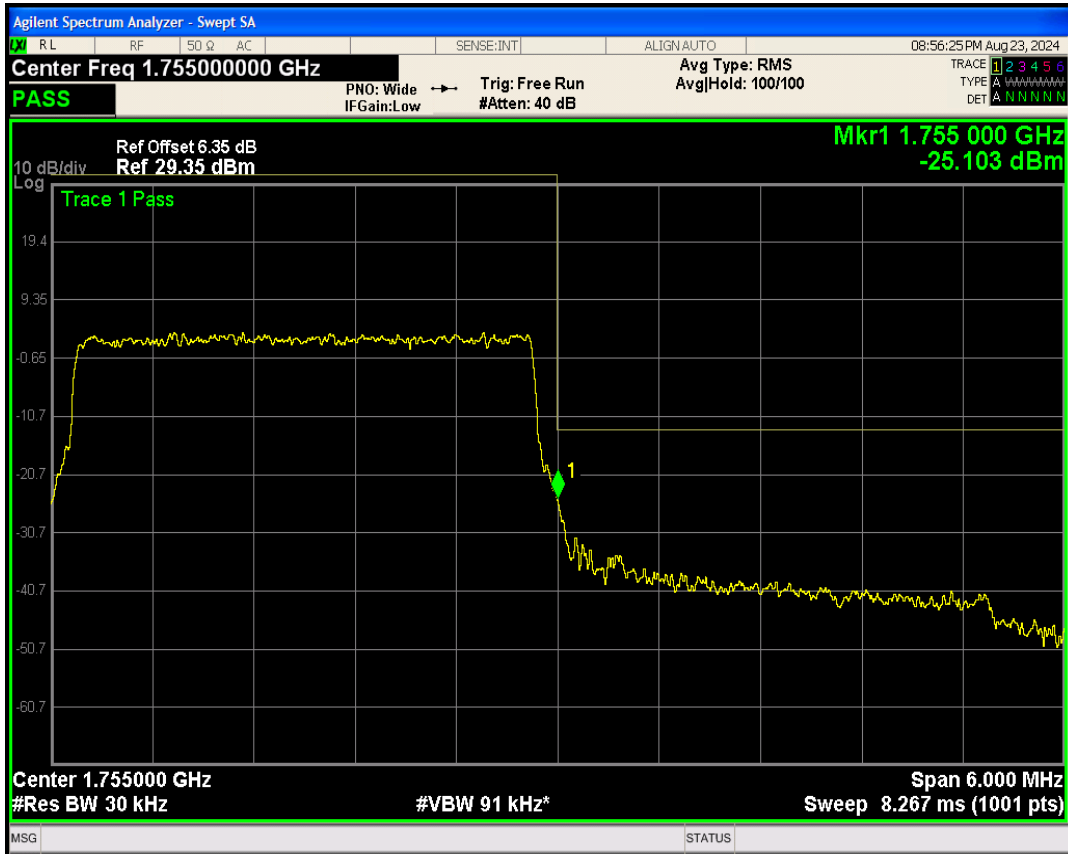
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



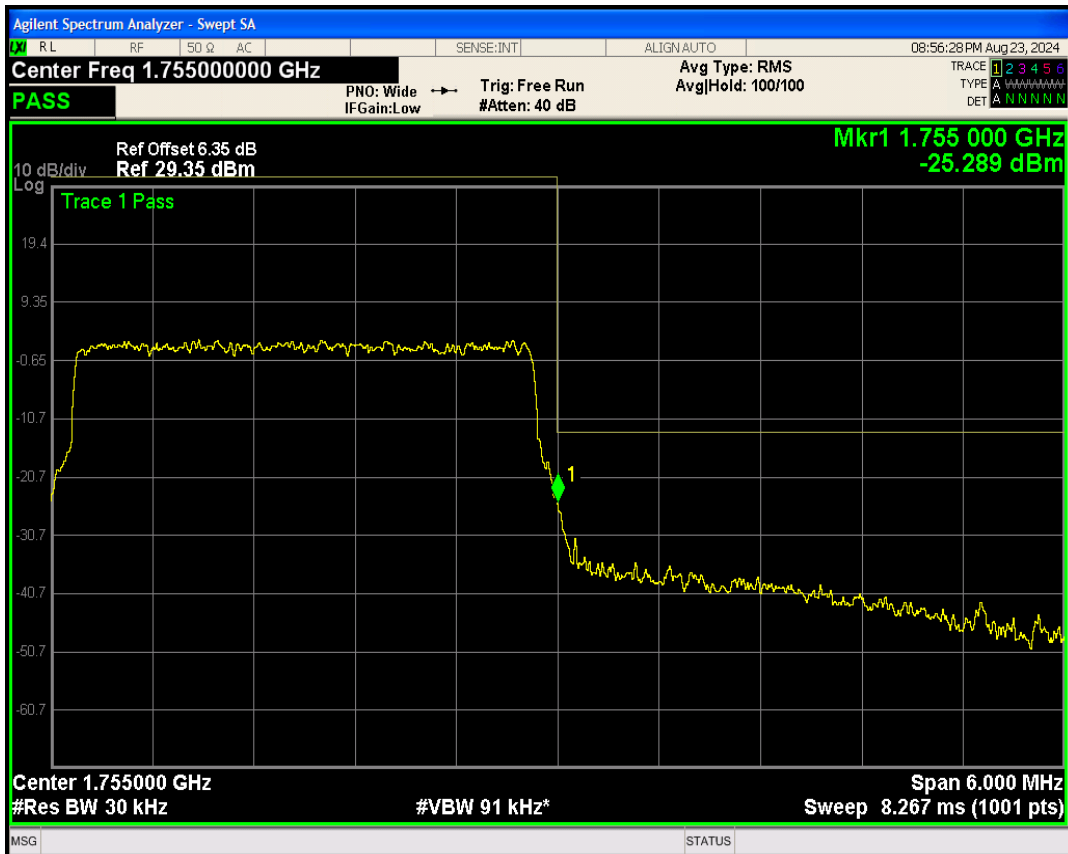
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



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



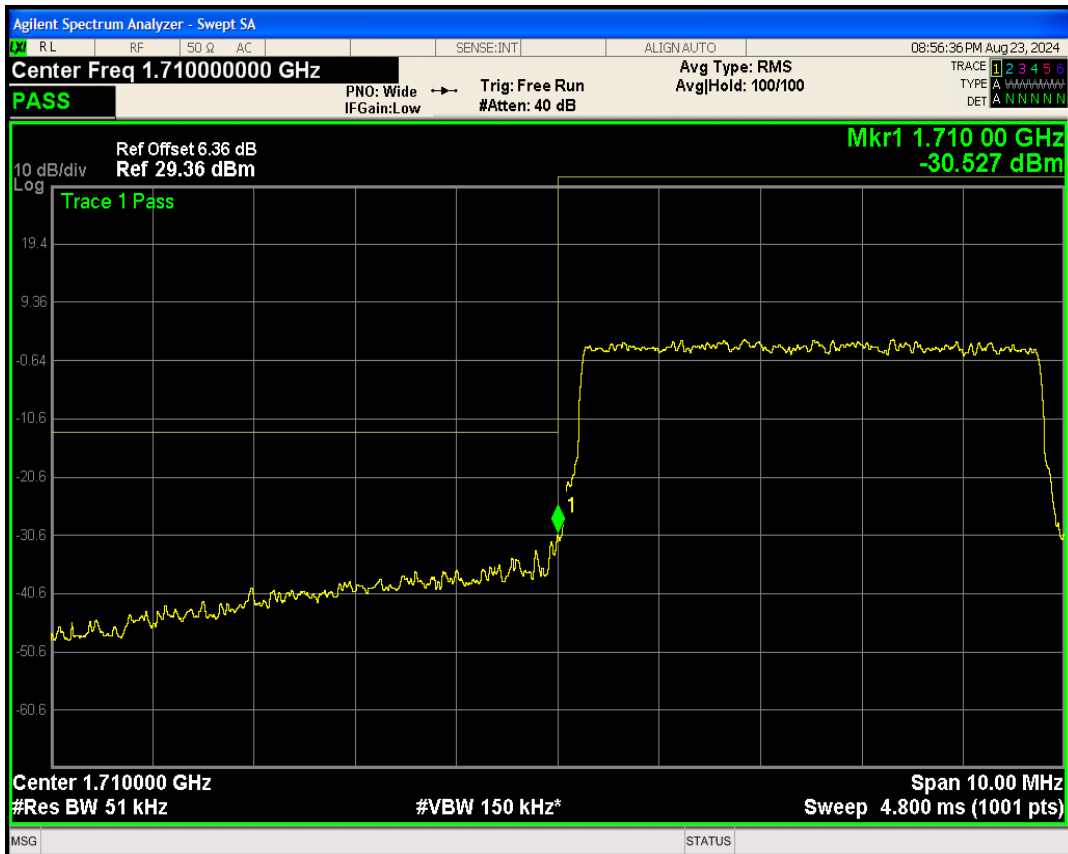
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



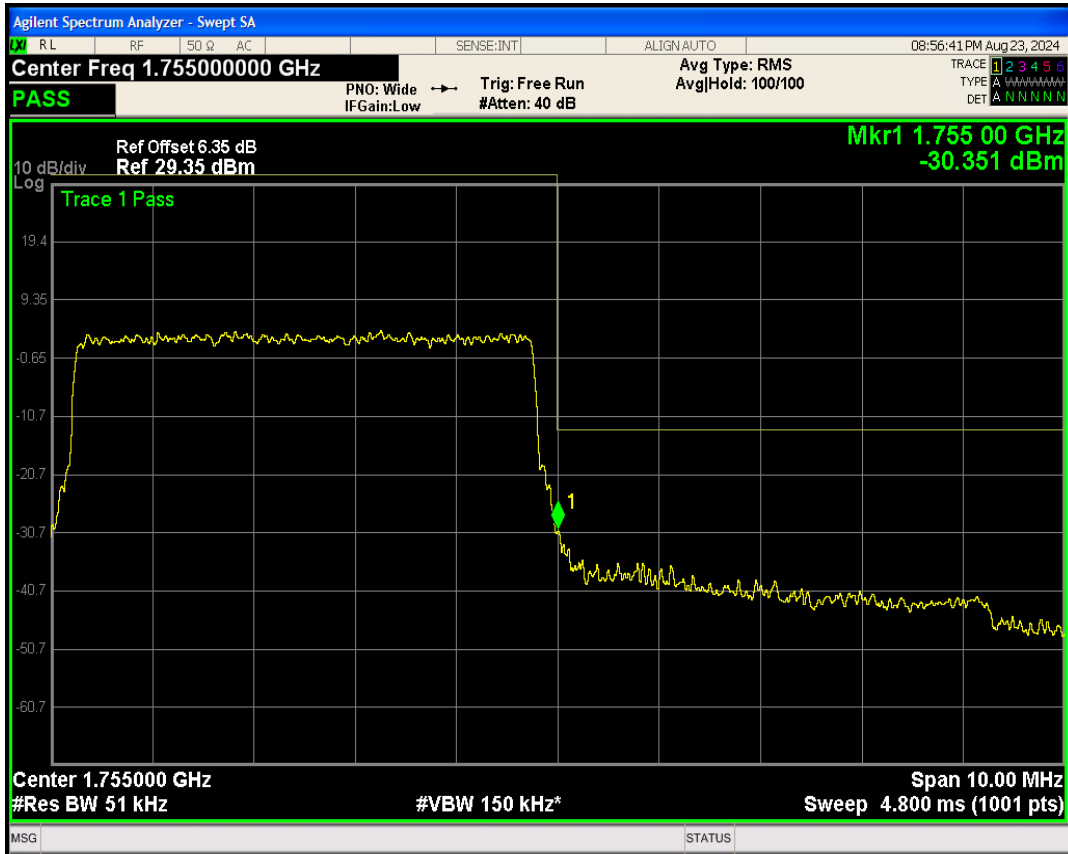
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



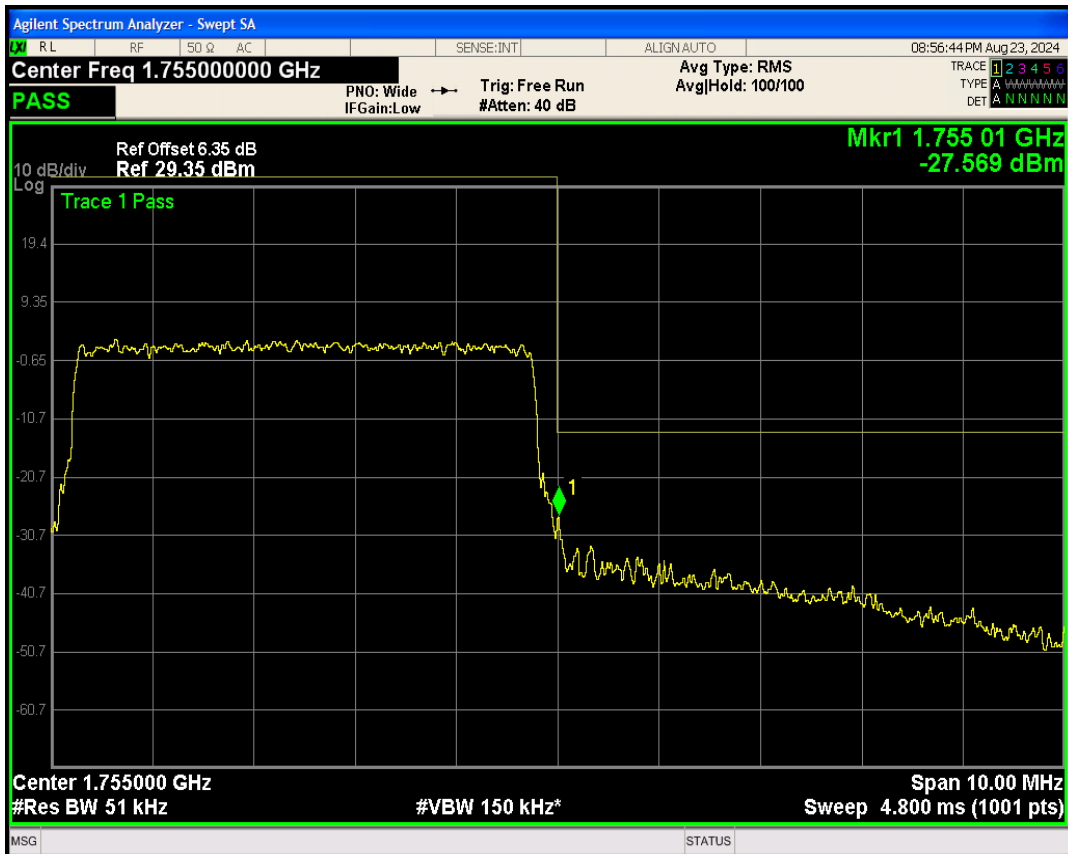
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



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



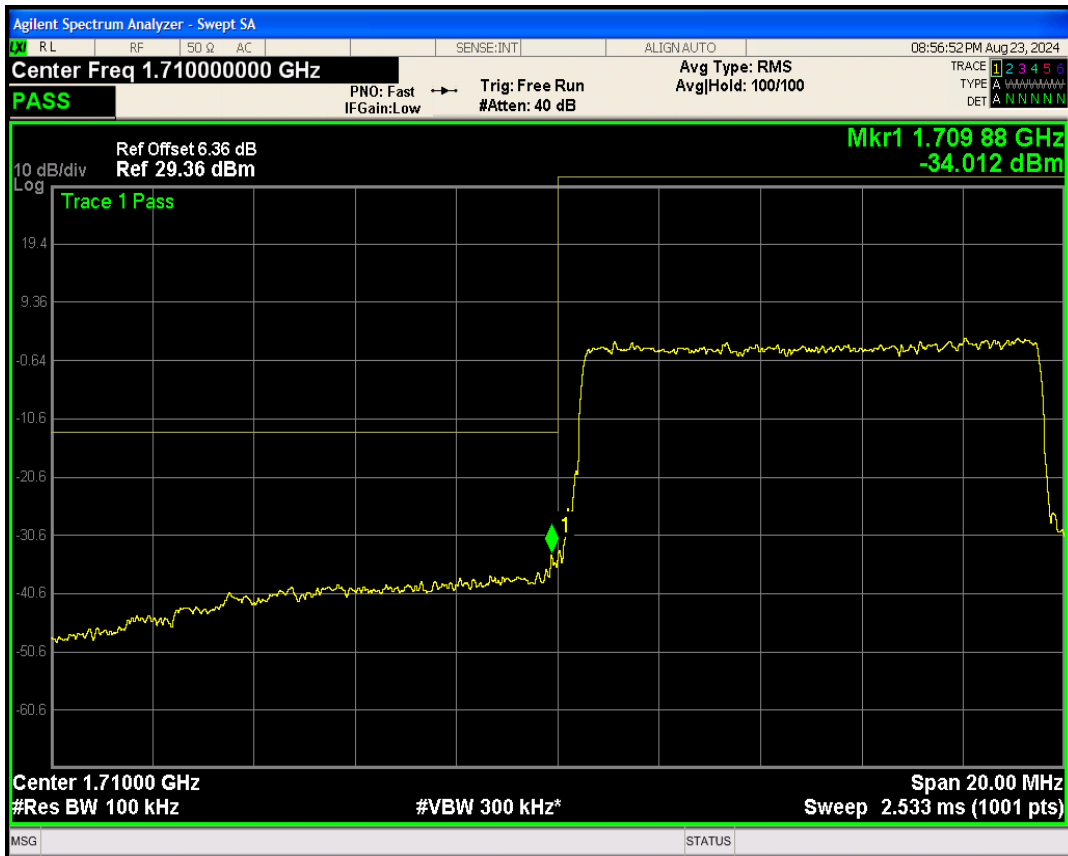
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



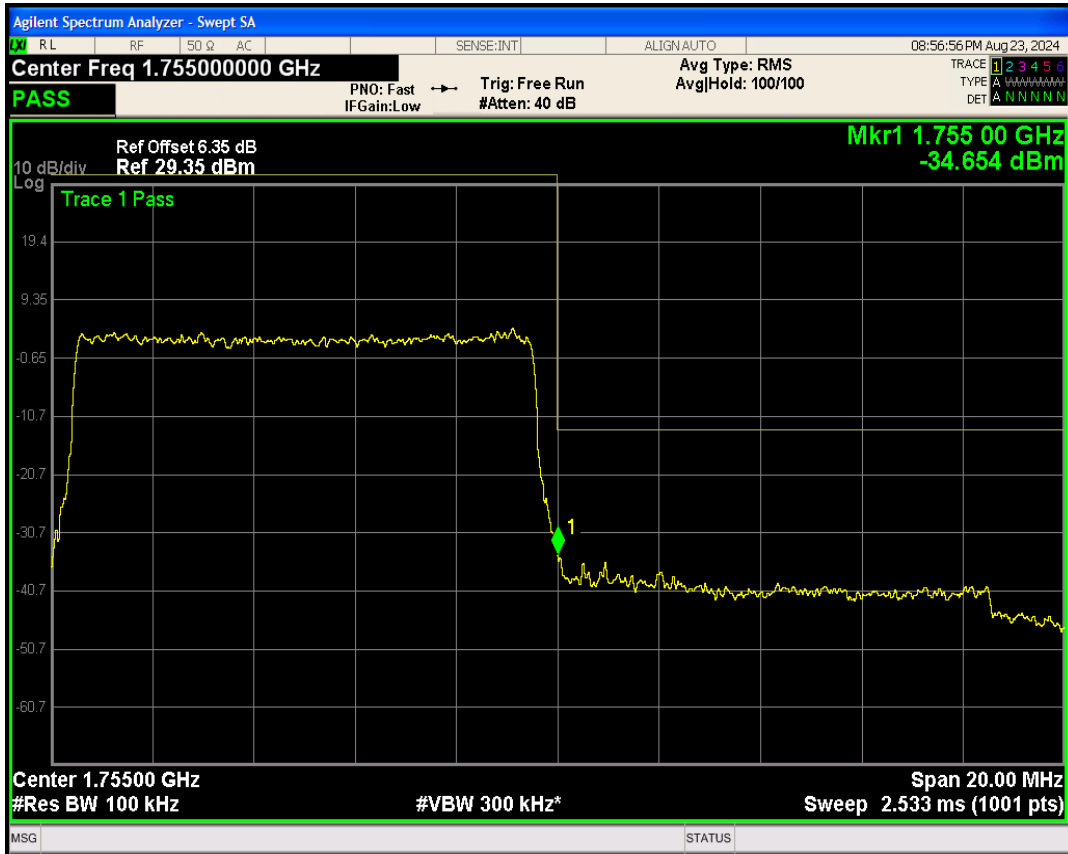
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



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



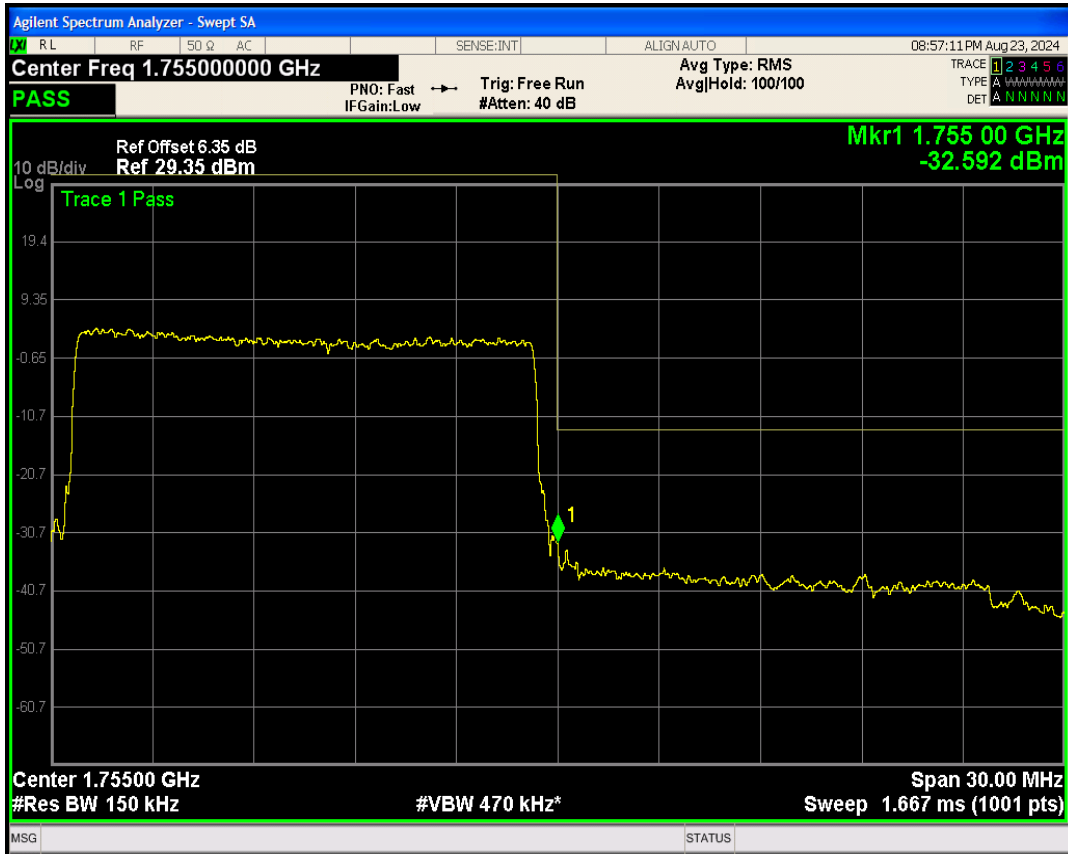
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



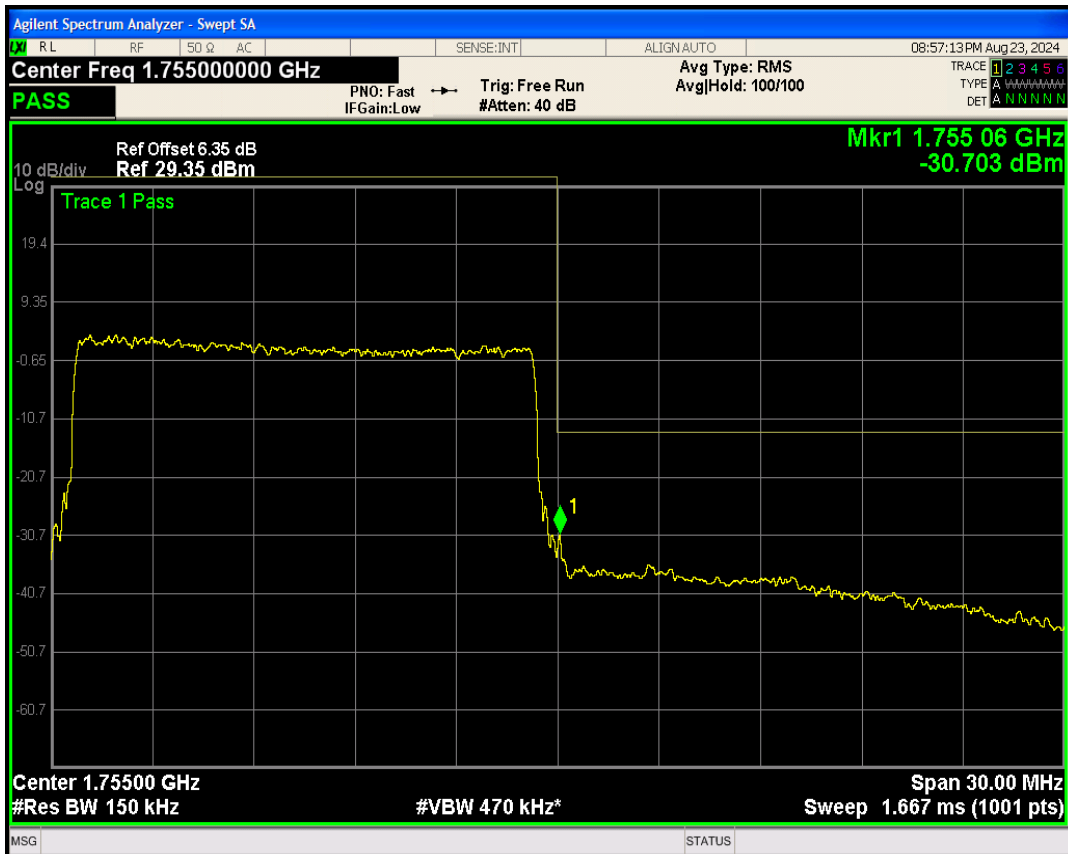
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



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



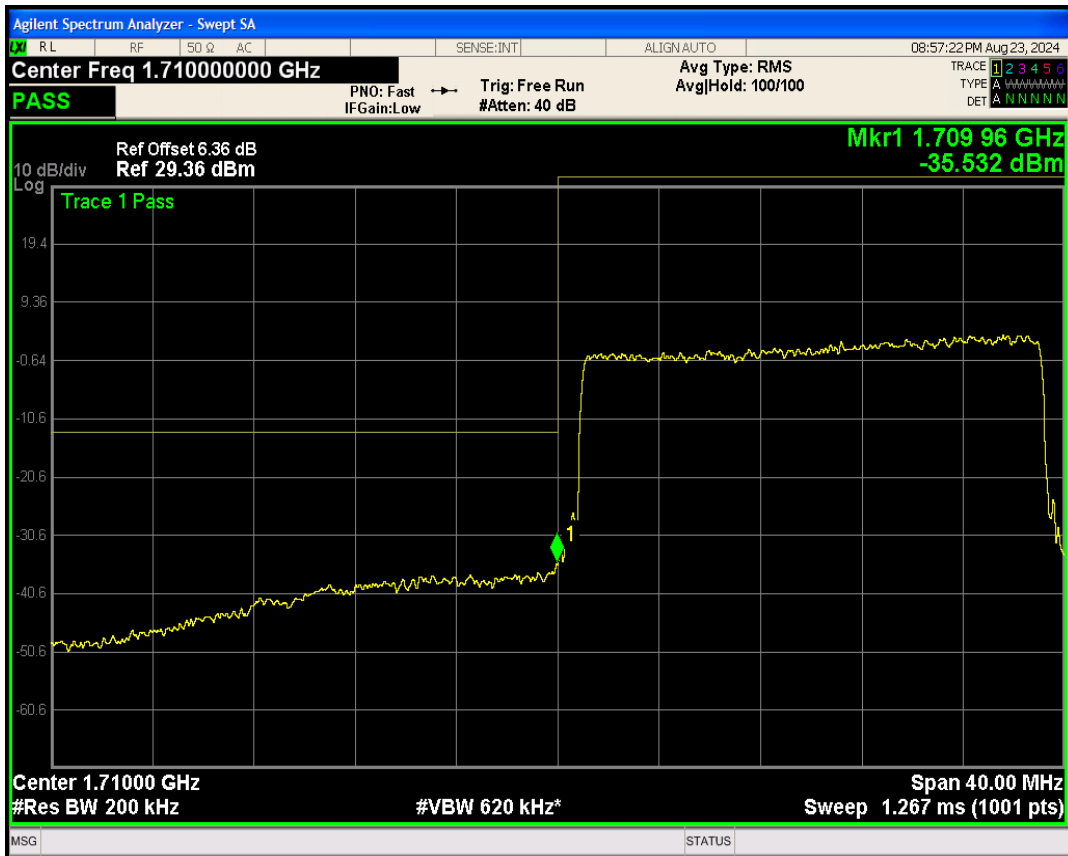
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



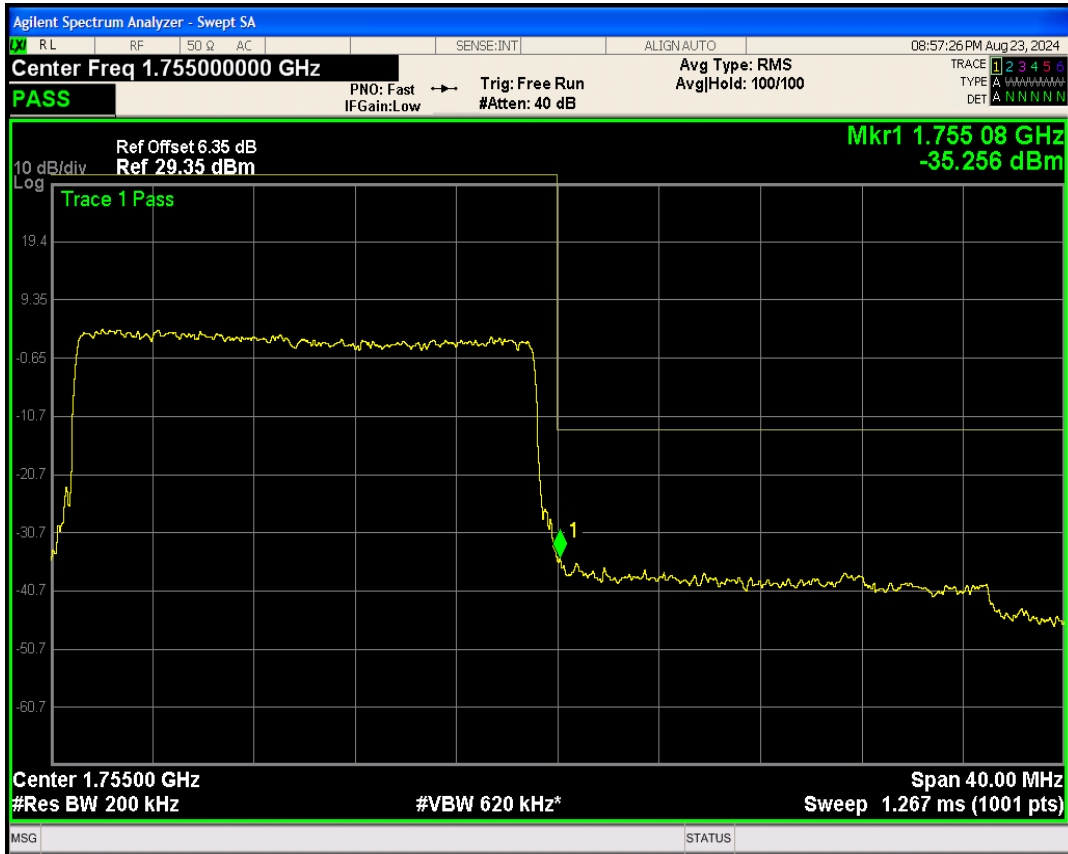
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



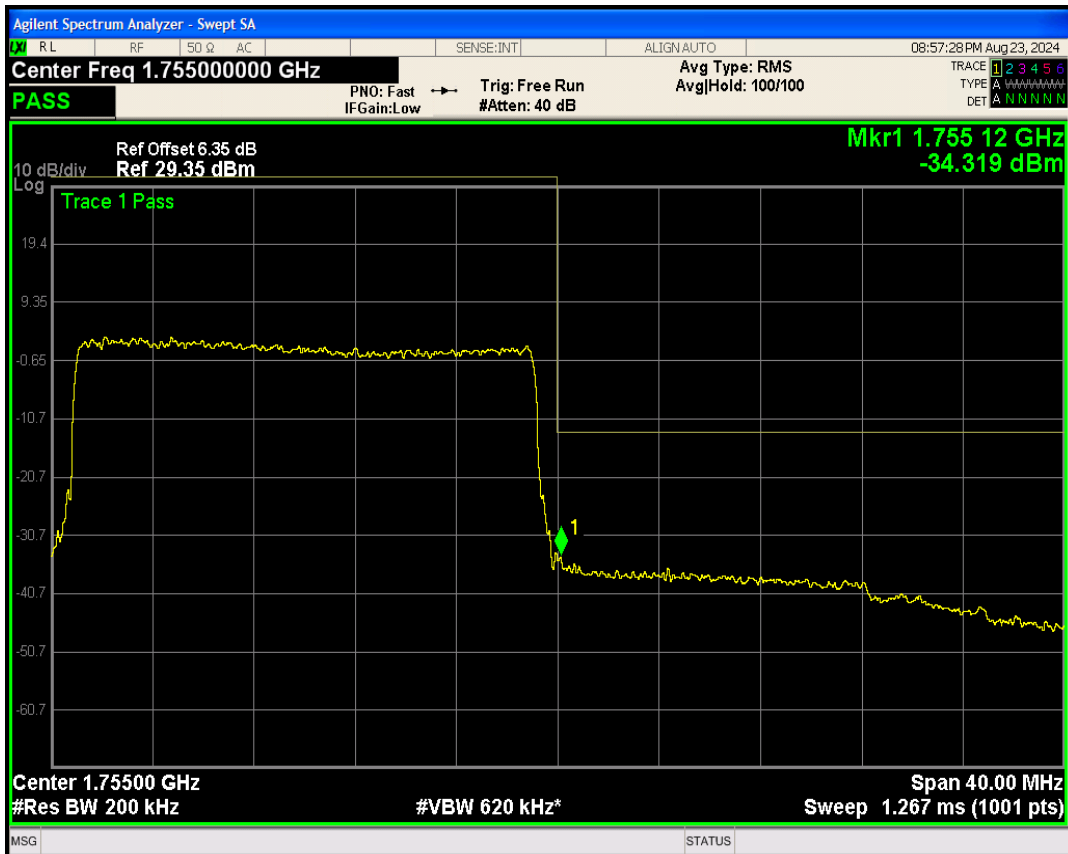
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



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



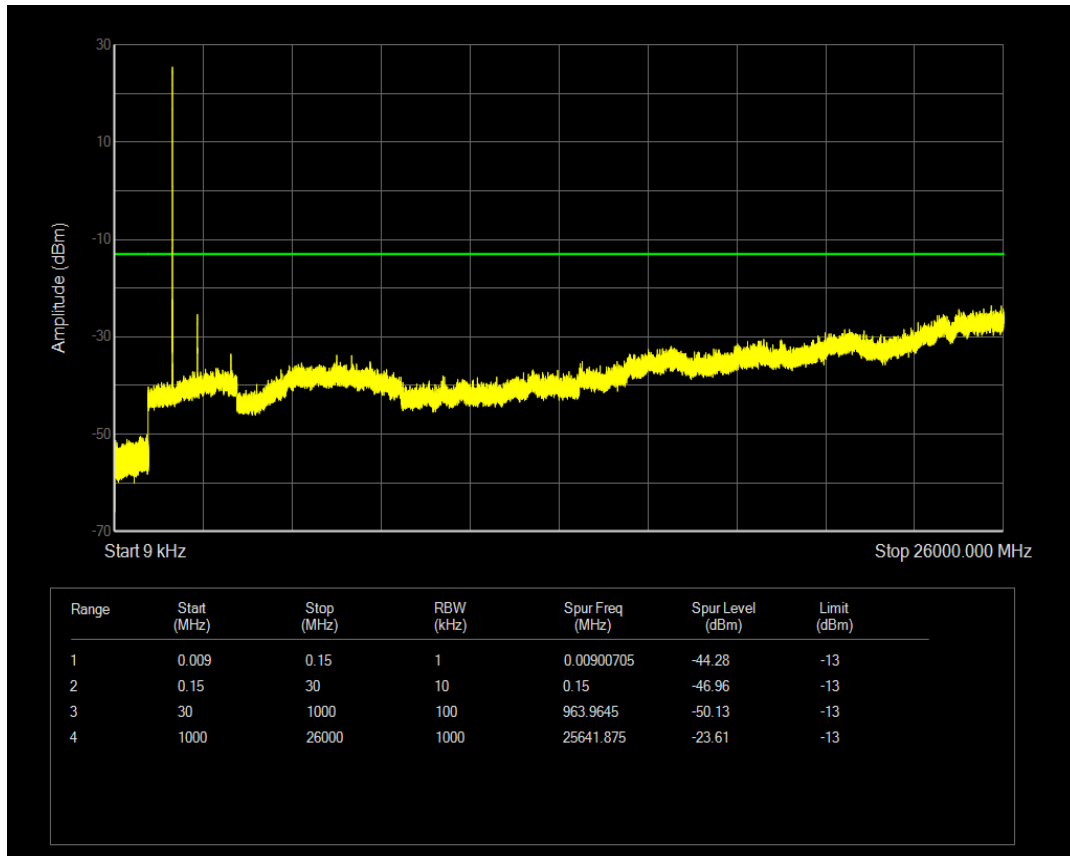
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



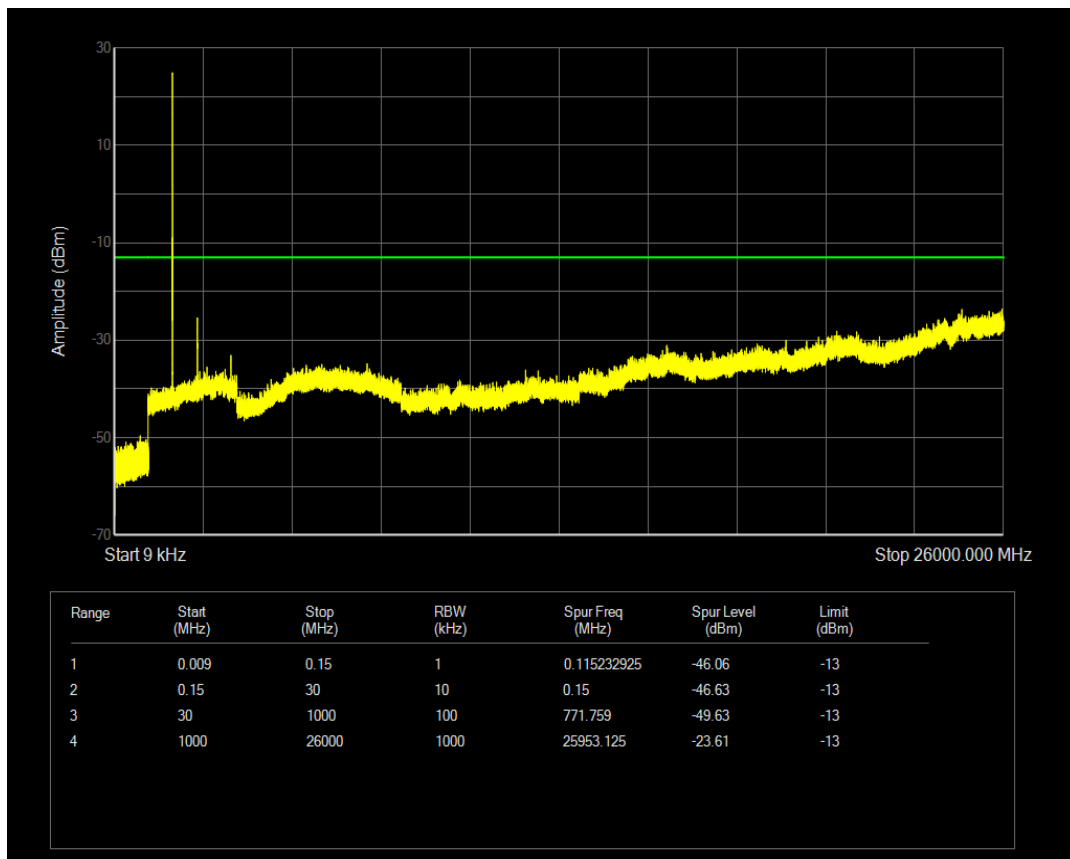
Appendix 6. Out-of-band emissions

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	25641.88	-23.61	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25953.13	-23.61	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25968.13	-23.59	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25231.88	-23.86	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25084.38	-24.03	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25143.13	-23.59	-13	PASS
Band4	3	19965	15	#0	QPSK	25703.13	-24.21	-13	PASS
Band4	3	19965	15	#0	16QAM	25803.13	-23.50	-13	PASS
Band4	3	20175	15	#0	QPSK	25356.25	-23.89	-13	PASS
Band4	3	20175	15	#0	16QAM	25833.75	-24.02	-13	PASS
Band4	3	20385	15	#0	QPSK	25790.63	-23.02	-13	PASS
Band4	3	20385	15	#0	16QAM	25568.75	-23.61	-13	PASS
Band4	5	19975	25	#0	QPSK	25409.38	-24.05	-13	PASS
Band4	5	19975	25	#0	16QAM	25834.38	-23.67	-13	PASS
Band4	5	20175	25	#0	QPSK	25108.75	-23.40	-13	PASS
Band4	5	20175	25	#0	16QAM	25174.38	-23.94	-13	PASS
Band4	5	20375	25	#0	QPSK	25117.50	-23.37	-13	PASS
Band4	5	20375	25	#0	16QAM	25476.25	-23.20	-13	PASS
Band4	10	20000	50	#0	QPSK	25671.25	-23.88	-13	PASS
Band4	10	20000	50	#0	16QAM	25204.38	-23.56	-13	PASS
Band4	10	20175	50	#0	QPSK	25576.88	-24.20	-13	PASS
Band4	10	20175	50	#0	16QAM	25036.88	-24.04	-13	PASS
Band4	10	20350	50	#0	QPSK	25498.75	-23.79	-13	PASS
Band4	10	20350	50	#0	16QAM	24289.38	-23.64	-13	PASS
Band4	15	20025	75	#0	QPSK	24708.13	-23.89	-13	PASS
Band4	15	20025	75	#0	16QAM	24725.63	-24.01	-13	PASS
Band4	15	20175	75	#0	QPSK	25826.25	-23.56	-13	PASS
Band4	15	20175	75	#0	16QAM	25493.75	-22.90	-13	PASS
Band4	15	20325	75	#0	QPSK	25325.00	-24.00	-13	PASS
Band4	15	20325	75	#0	16QAM	25778.75	-23.84	-13	PASS
Band4	20	20050	100	#0	QPSK	25504.38	-23.78	-13	PASS
Band4	20	20050	100	#0	16QAM	24673.75	-23.31	-13	PASS
Band4	20	20175	100	#0	QPSK	25881.25	-24.30	-13	PASS
Band4	20	20175	100	#0	16QAM	25805.63	-24.01	-13	PASS
Band4	20	20300	100	#0	QPSK	25818.75	-23.31	-13	PASS
Band4	20	20300	100	#0	16QAM	25981.88	-23.55	-13	PASS

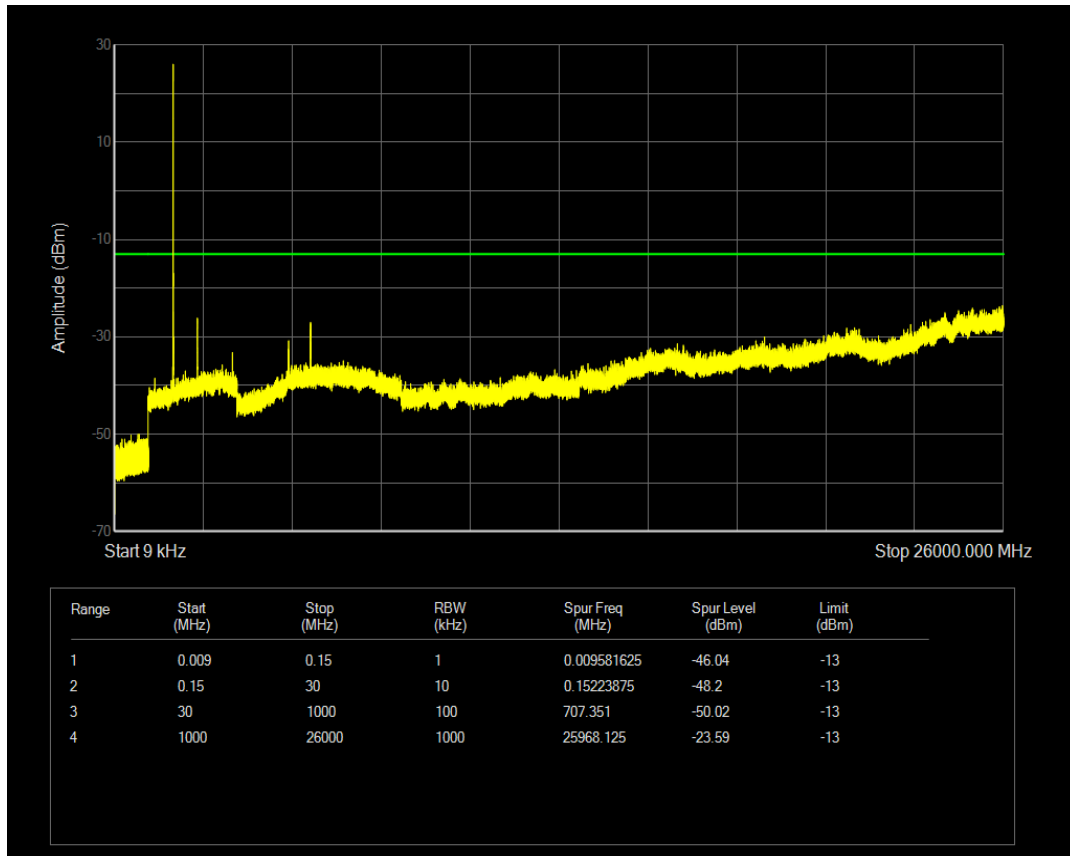
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



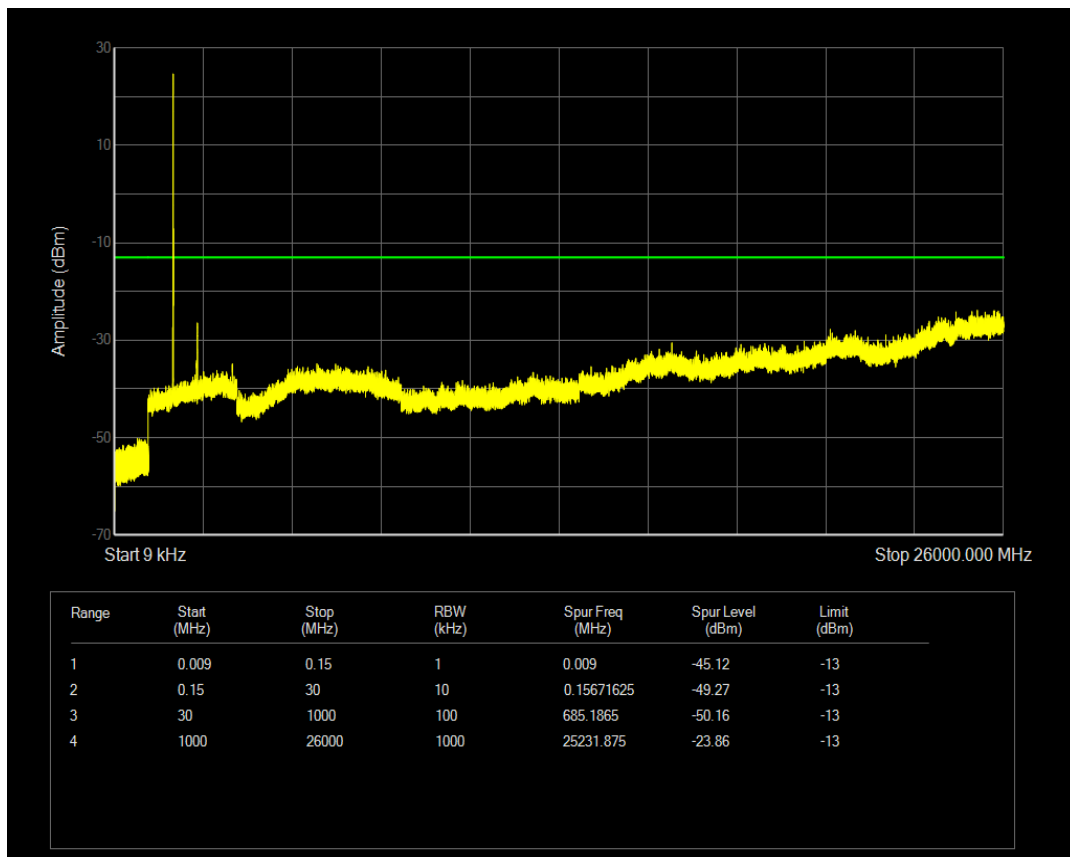
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



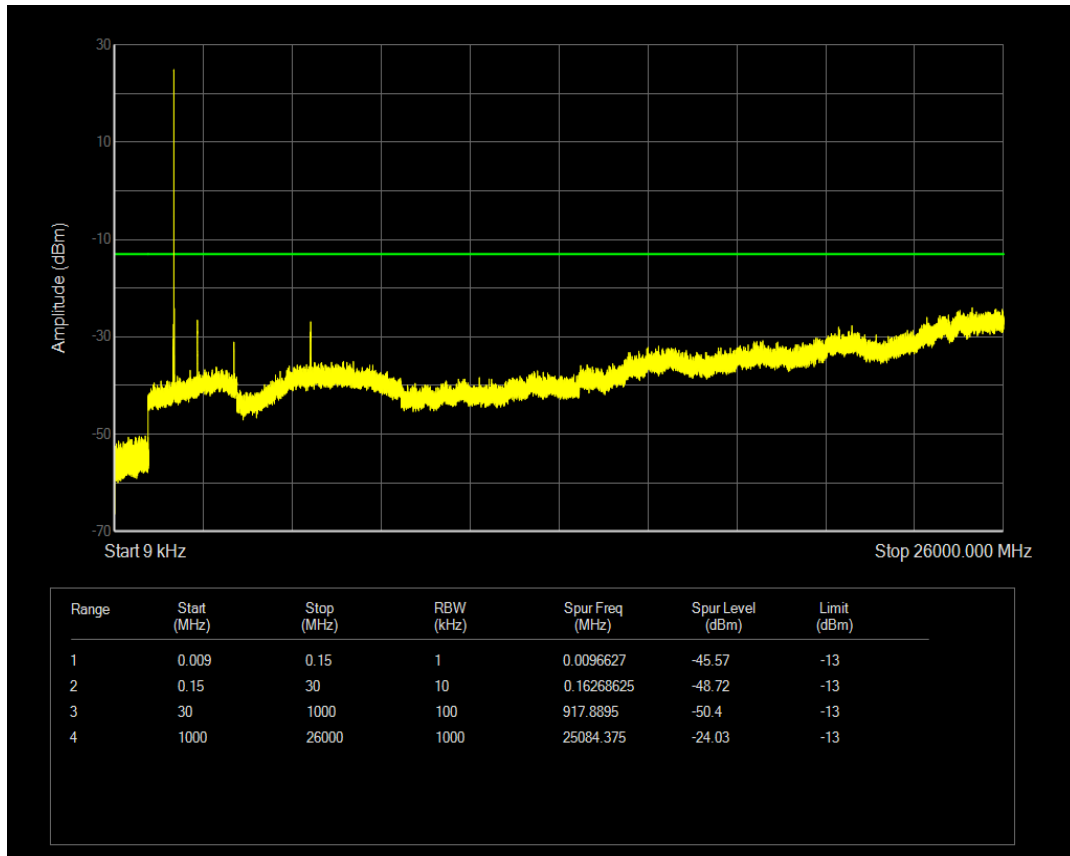
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



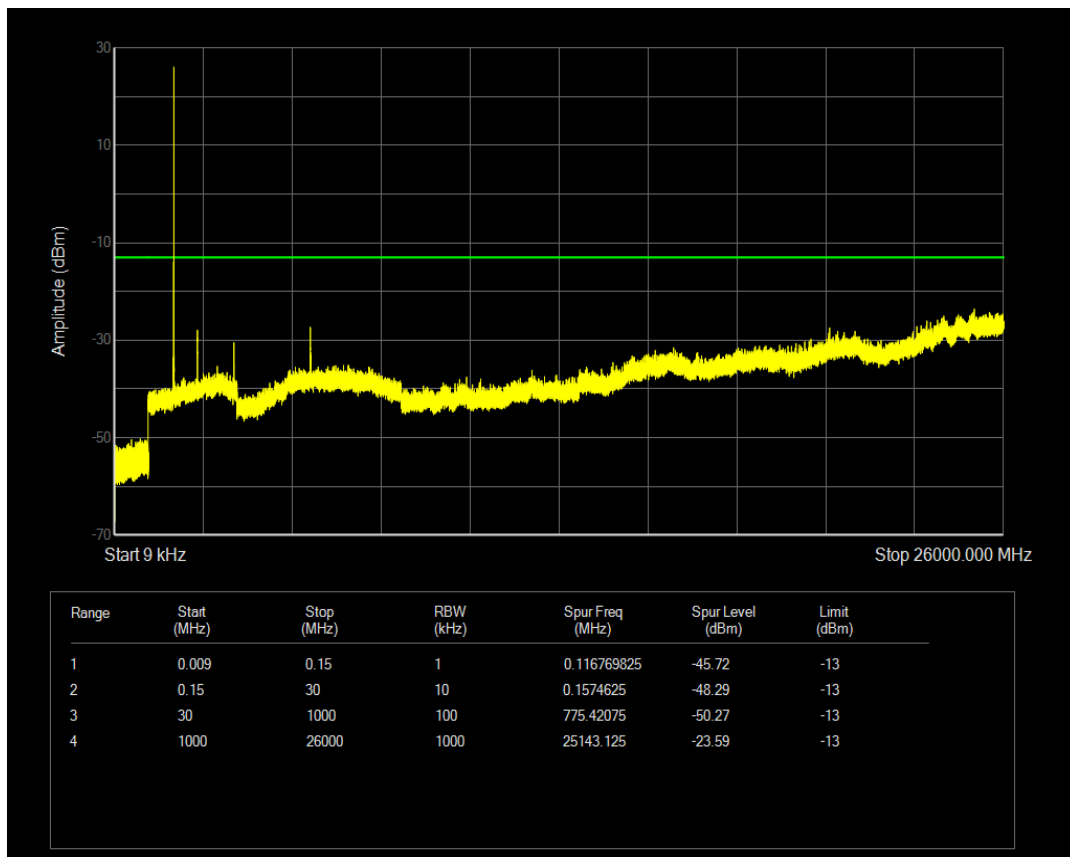
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



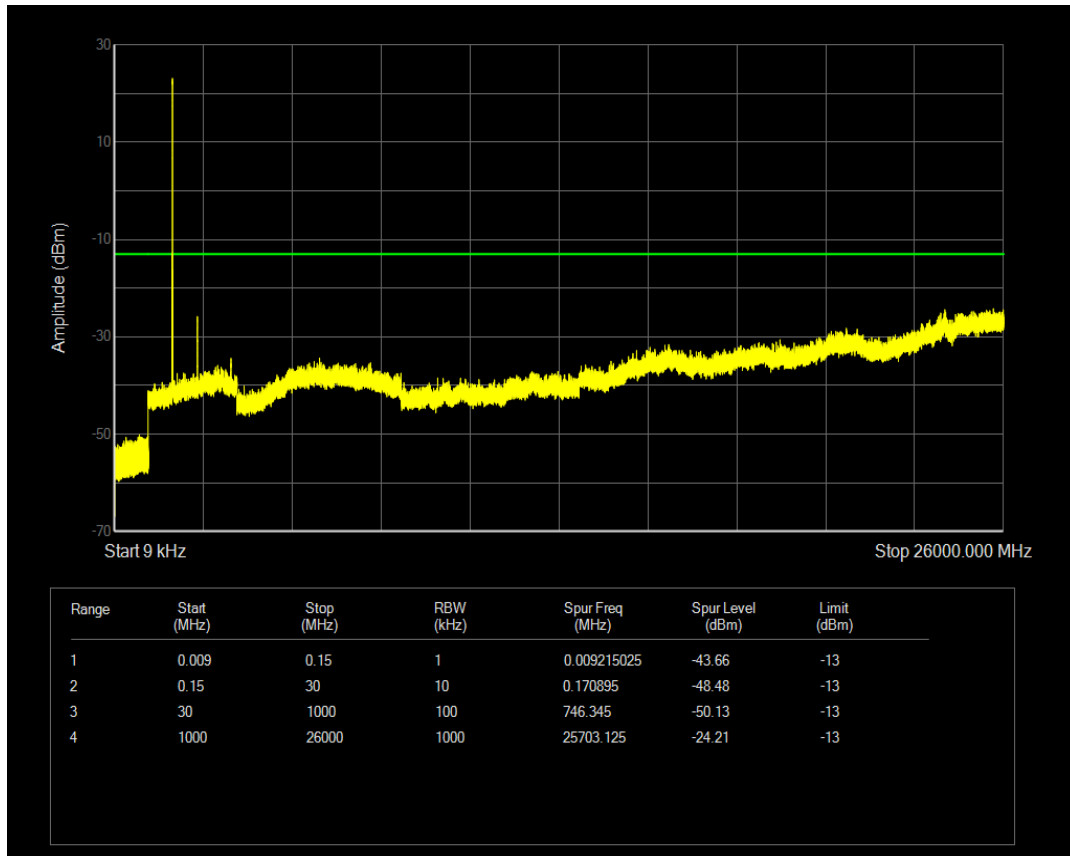
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



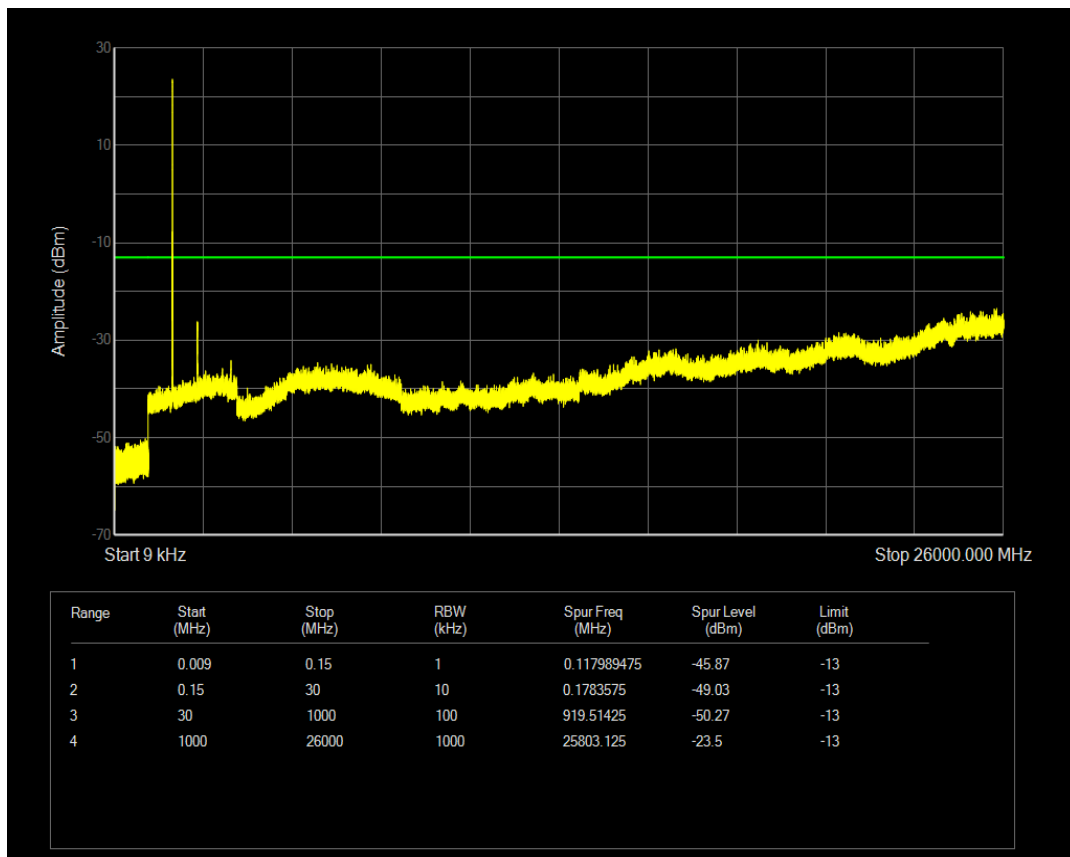
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



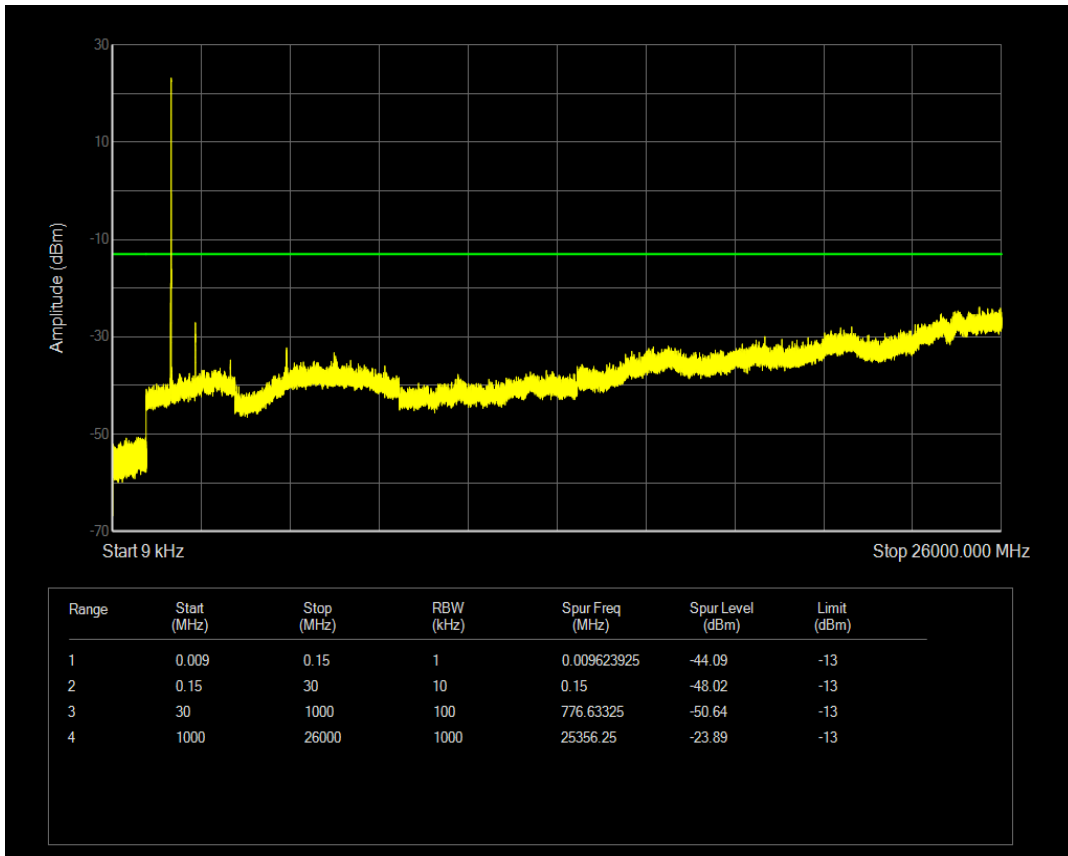
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



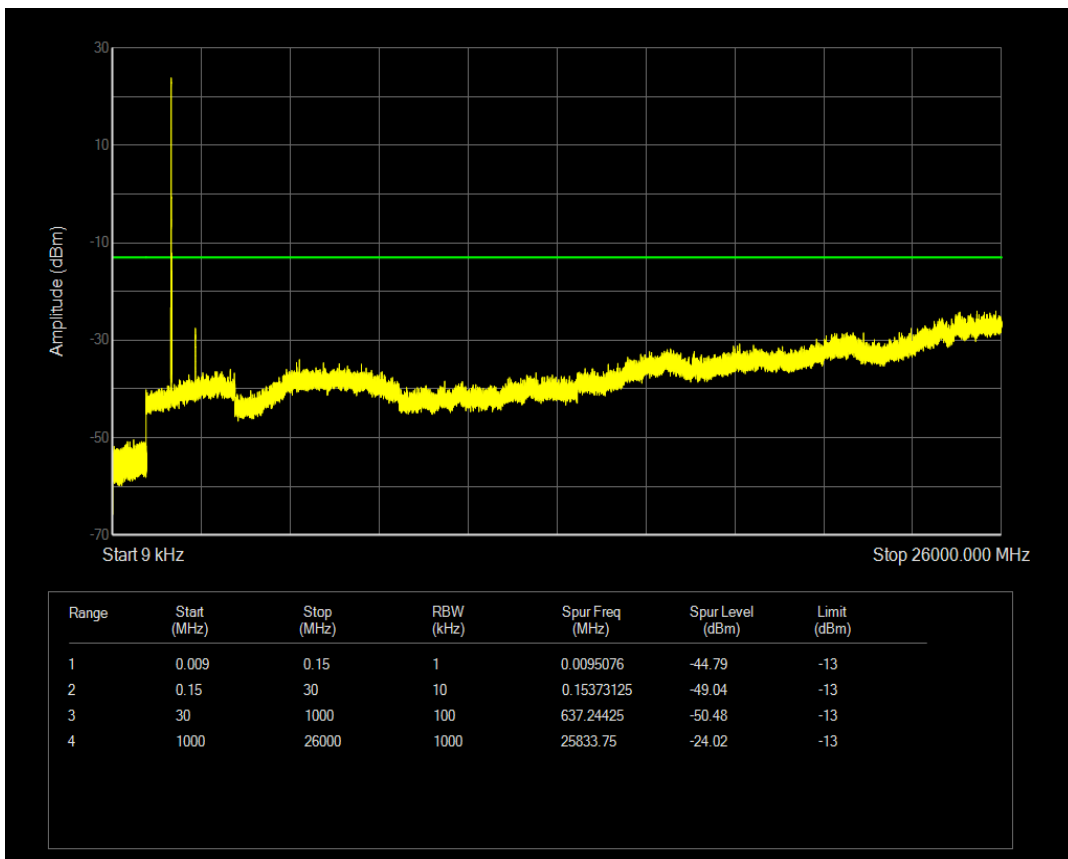
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



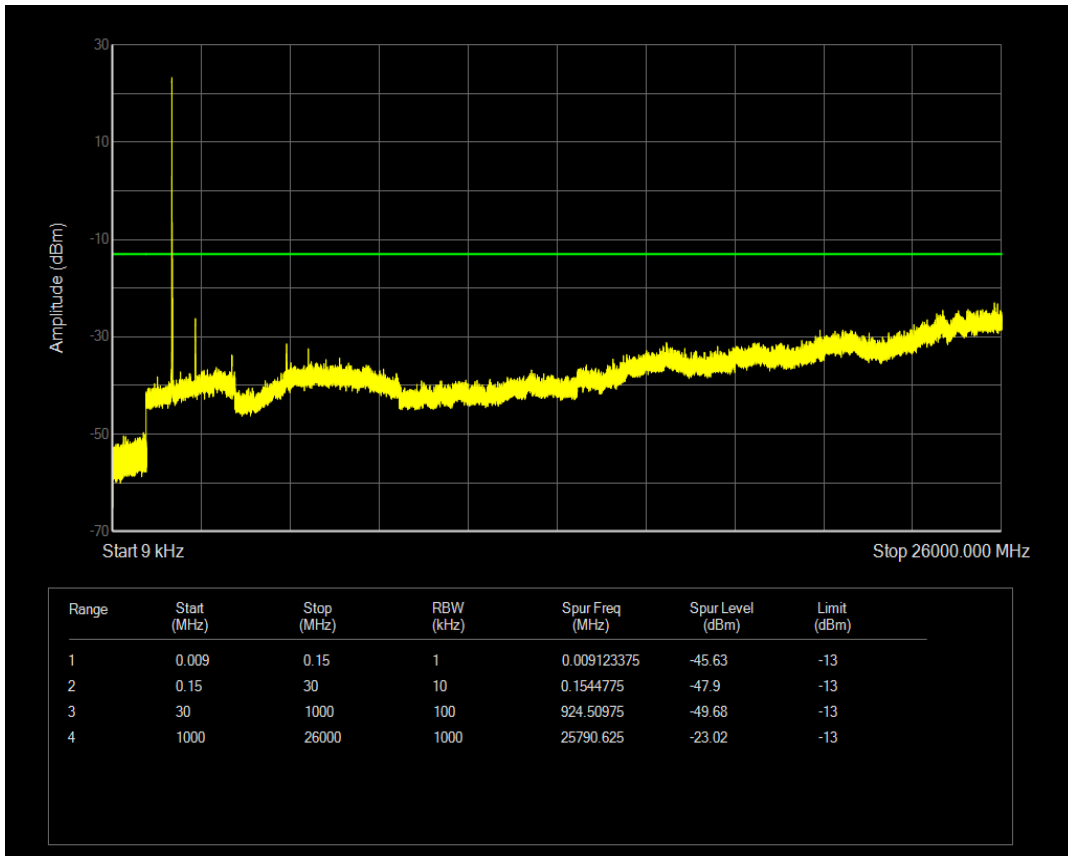
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



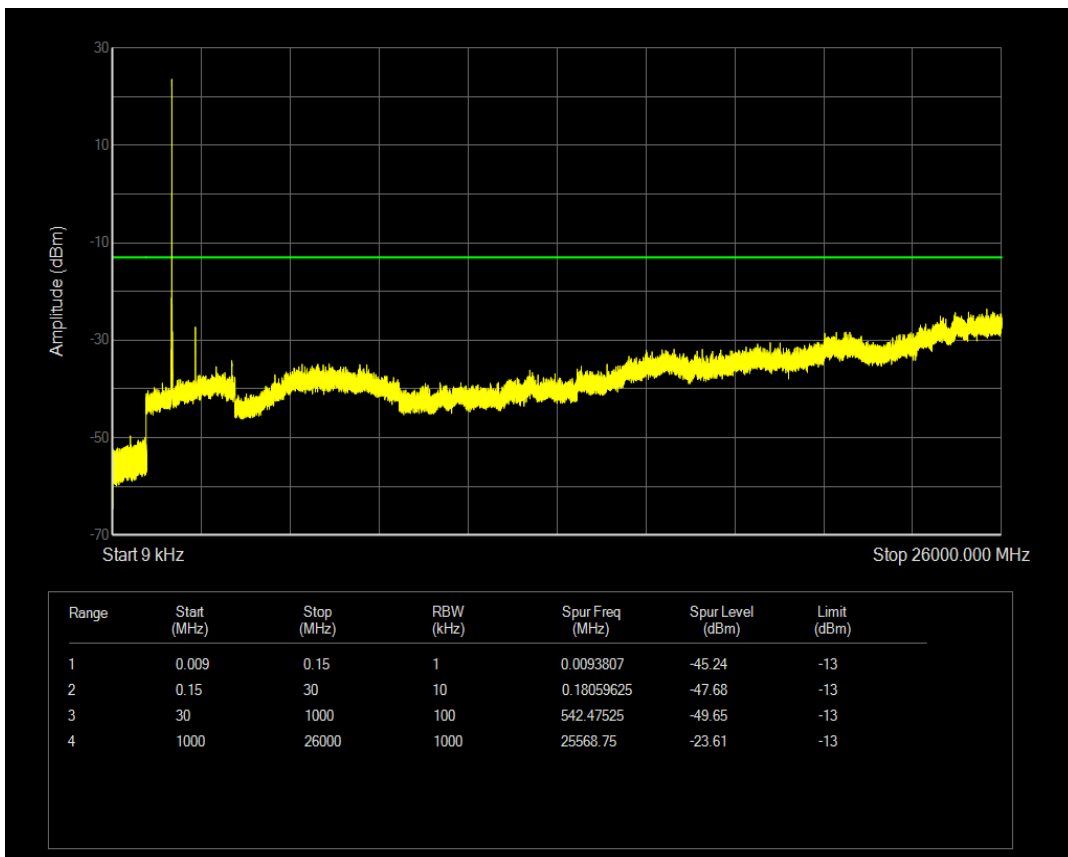
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



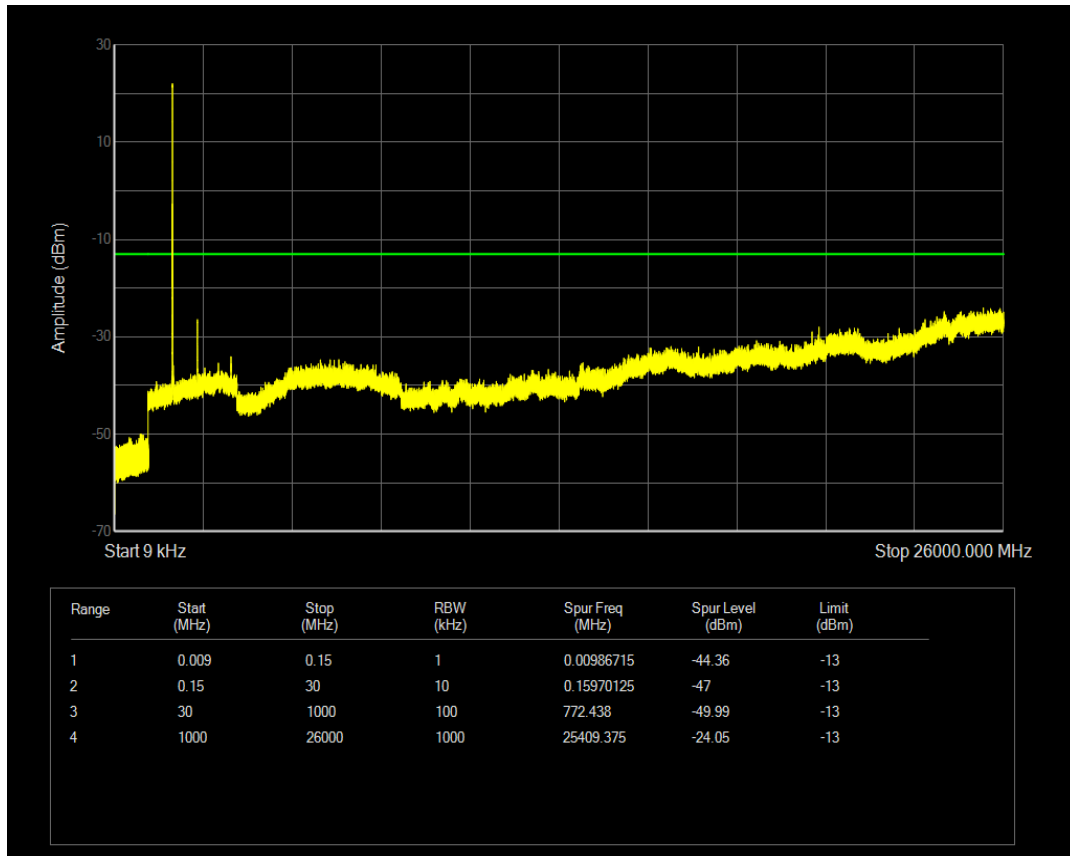
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



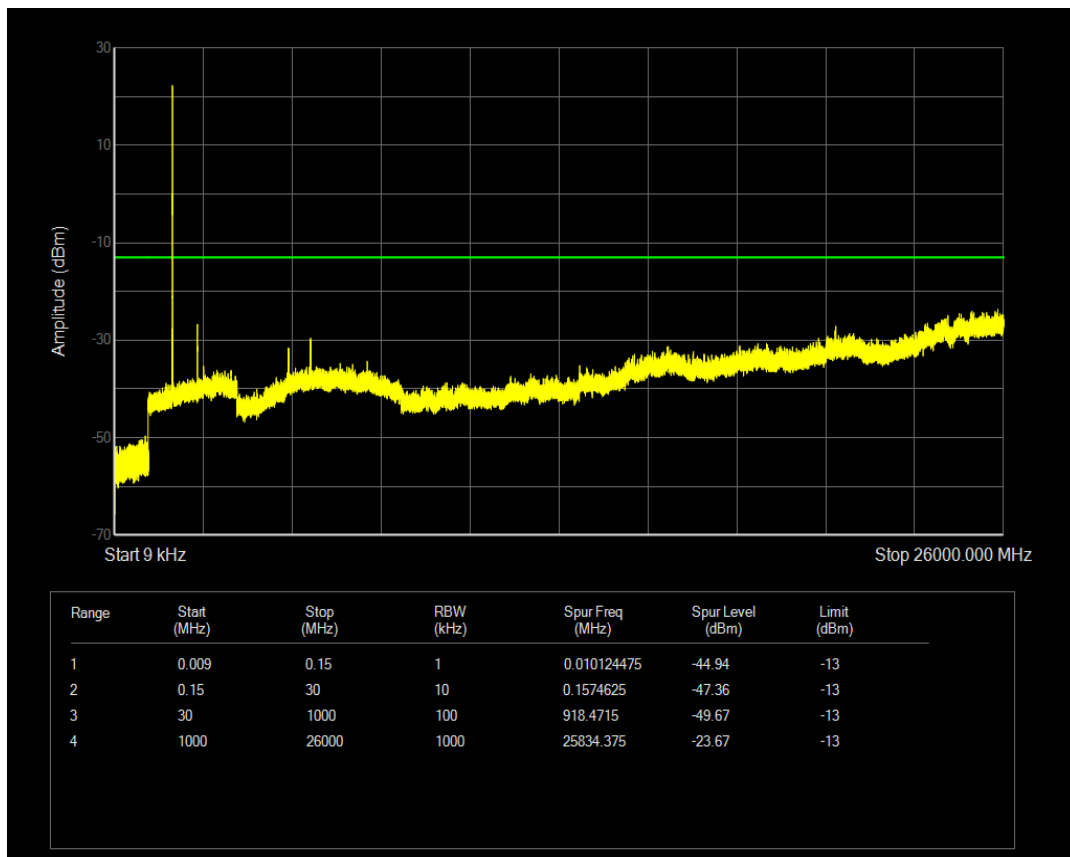
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



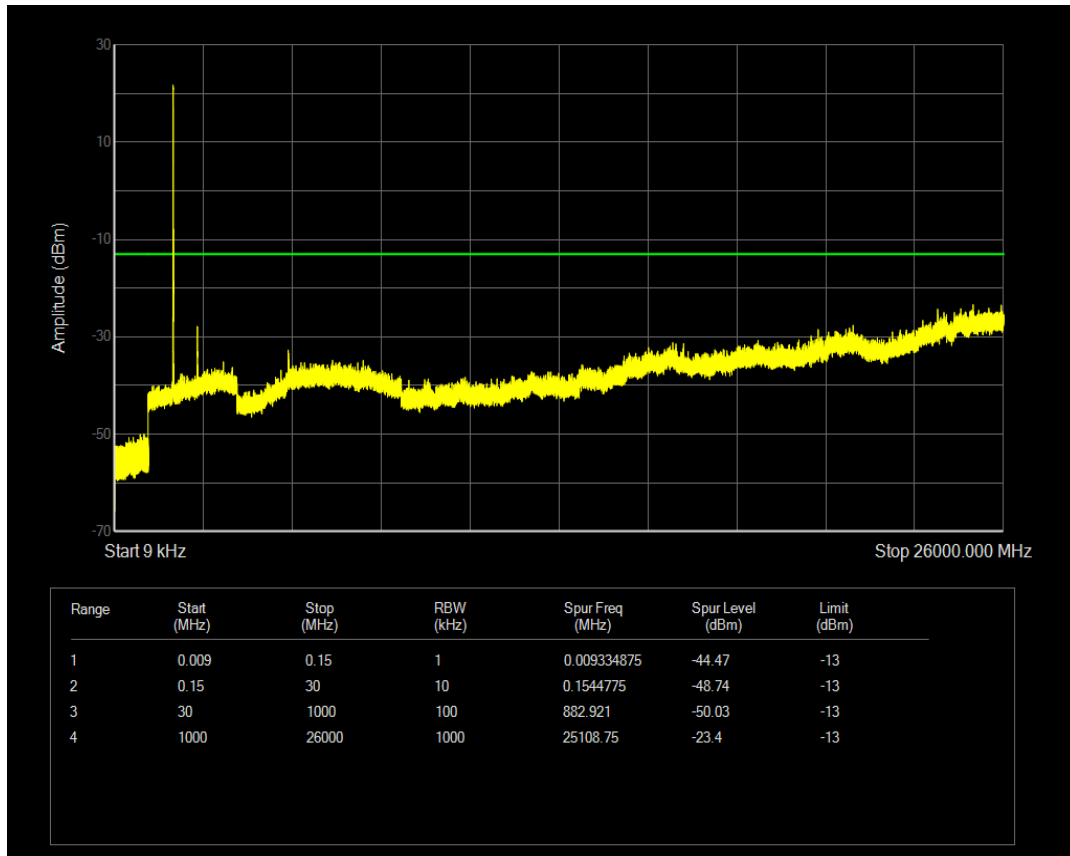
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



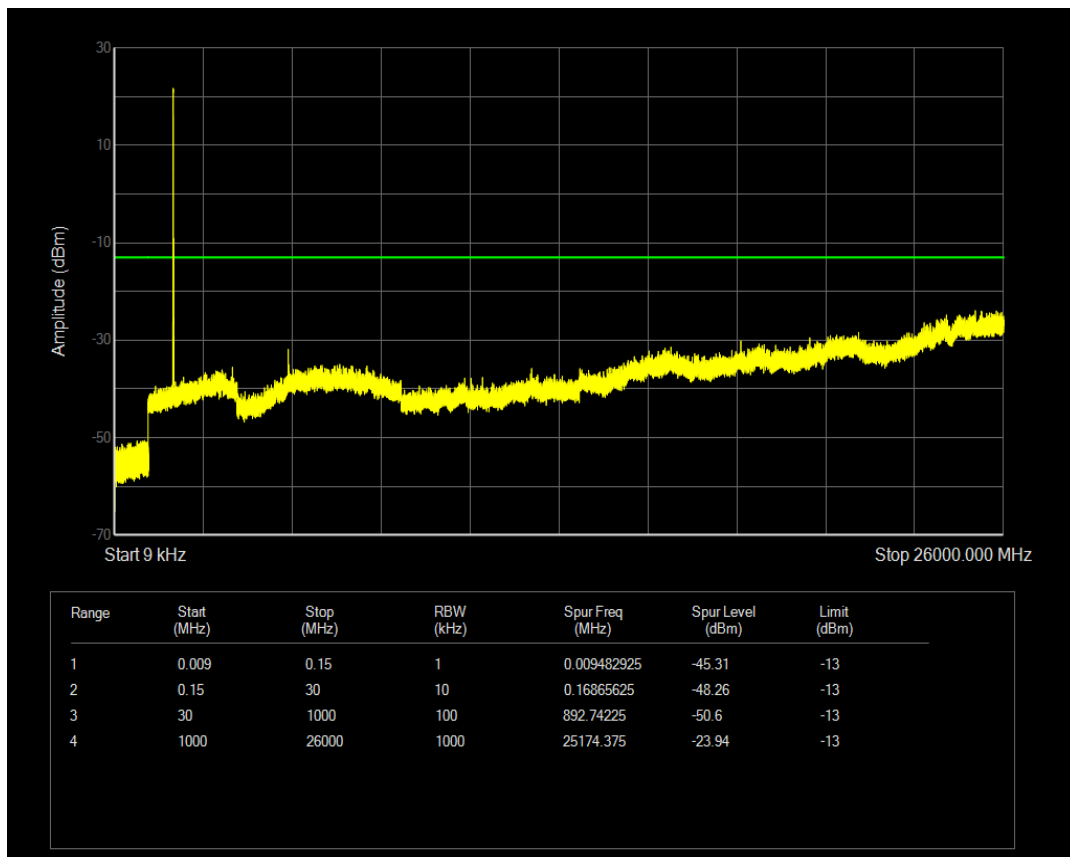
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



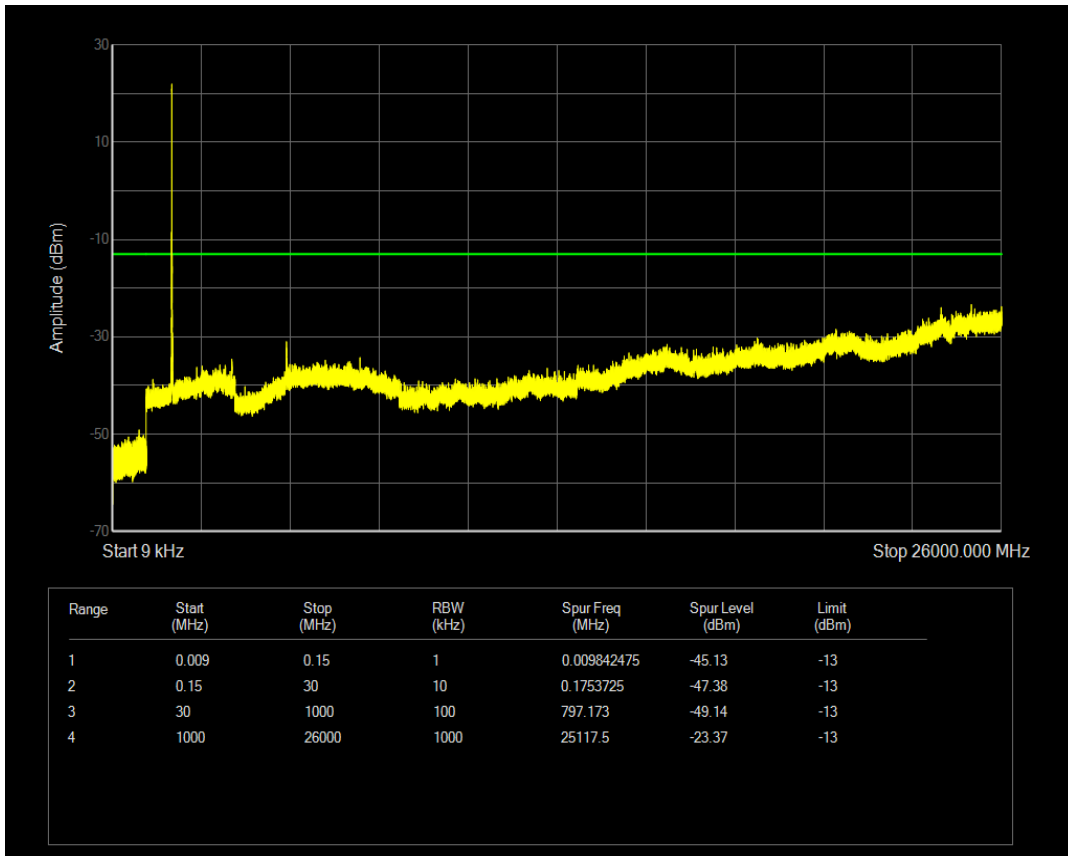
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



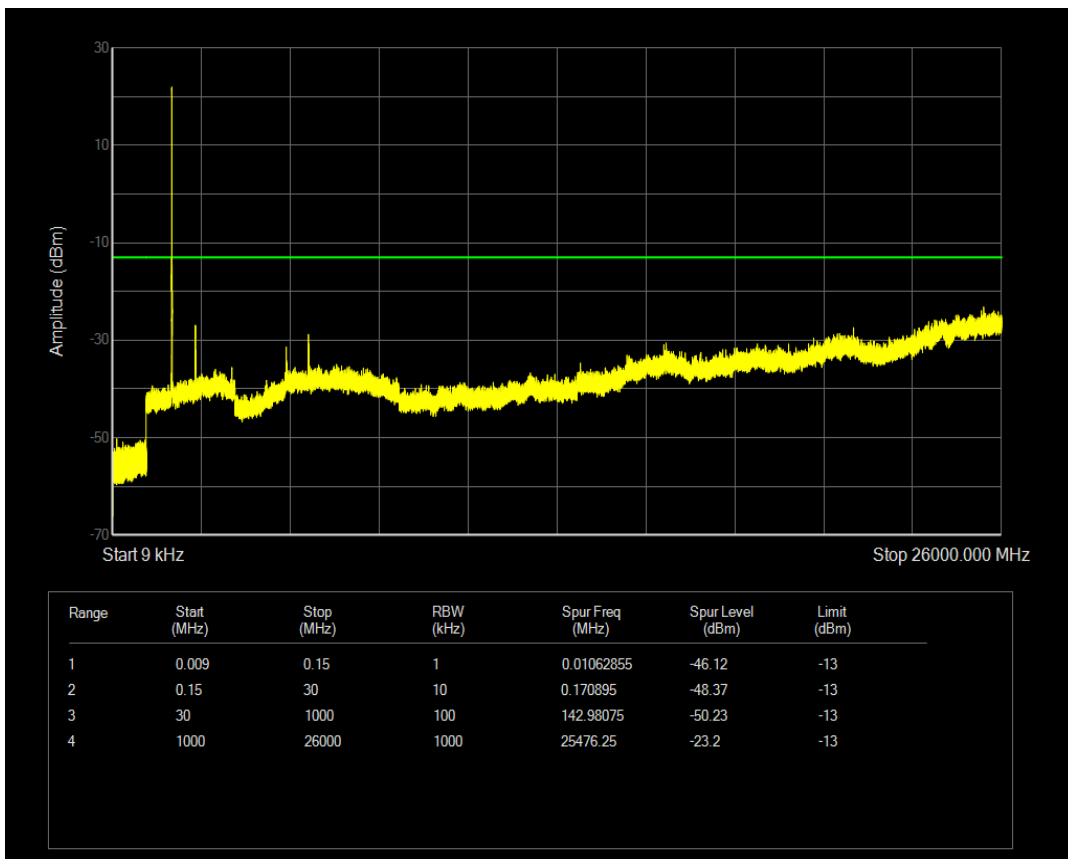
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



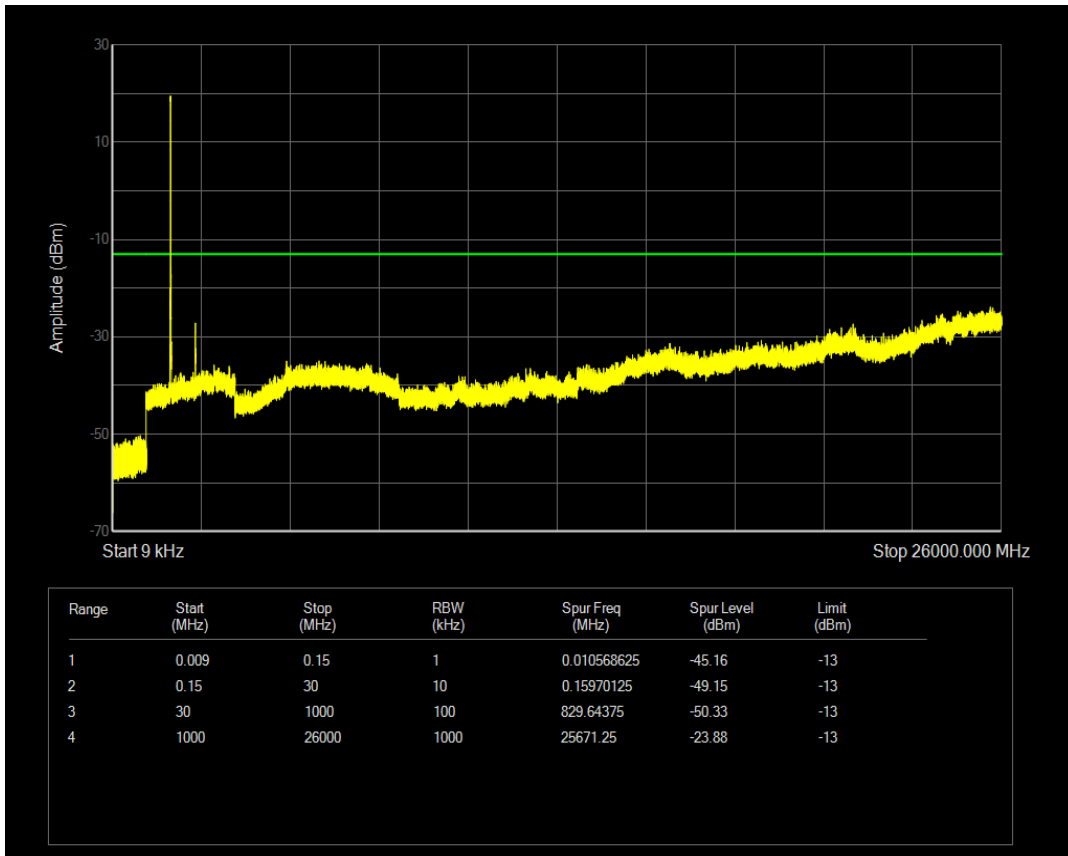
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



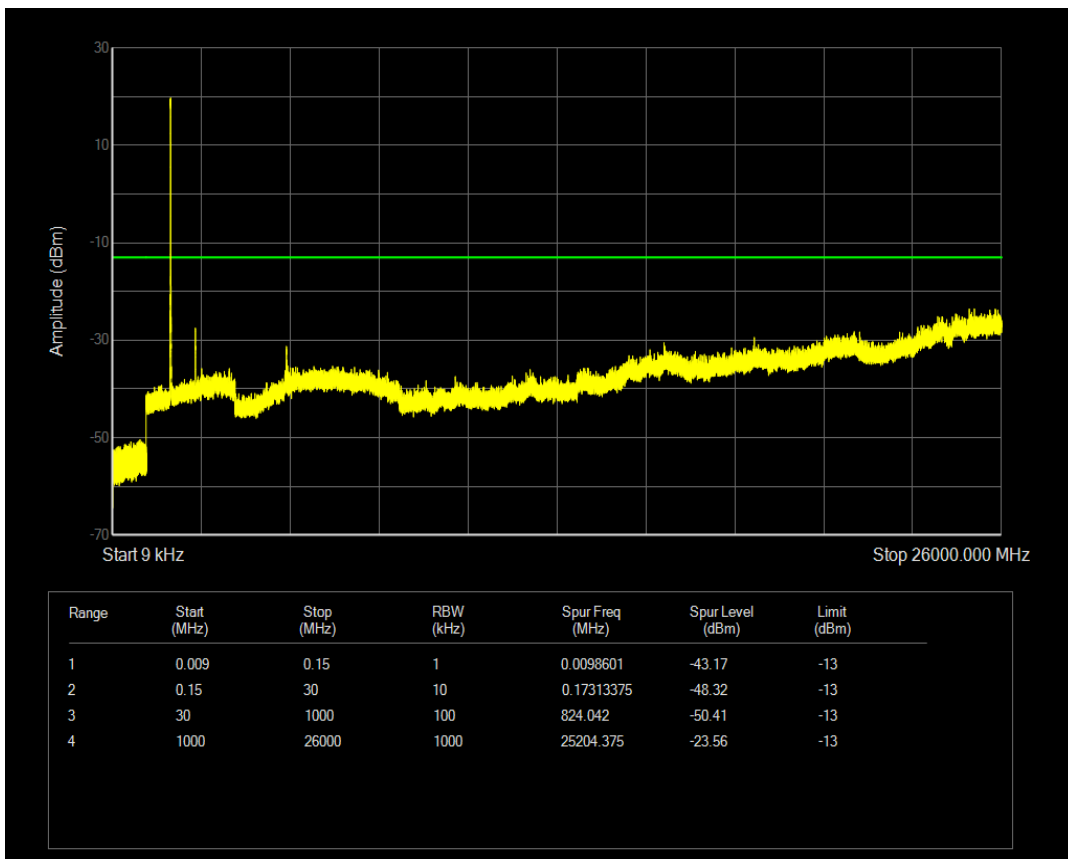
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



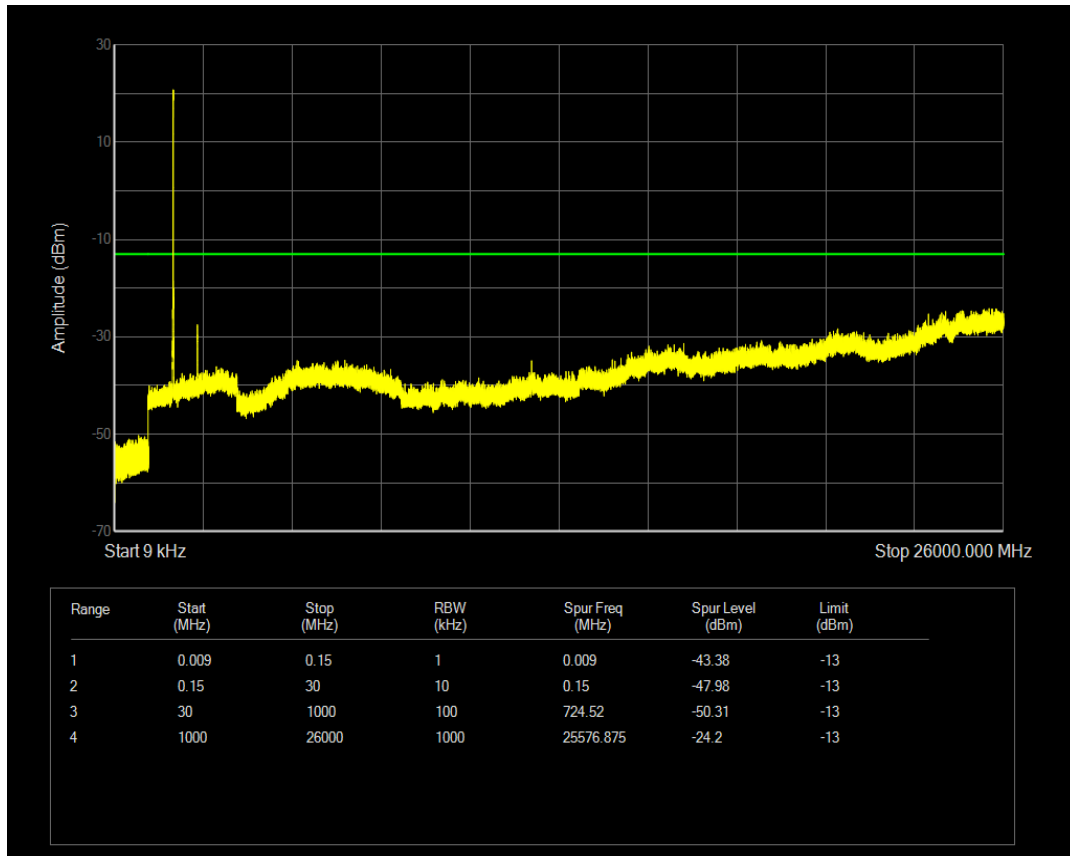
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



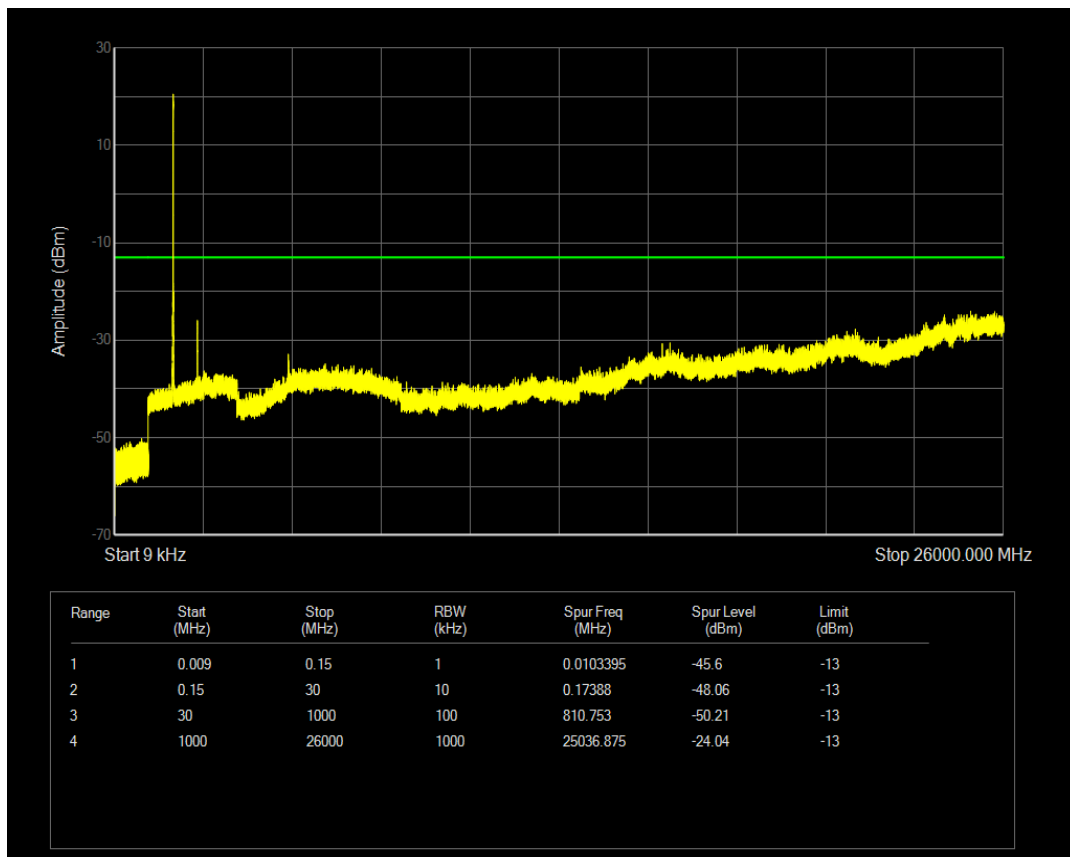
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



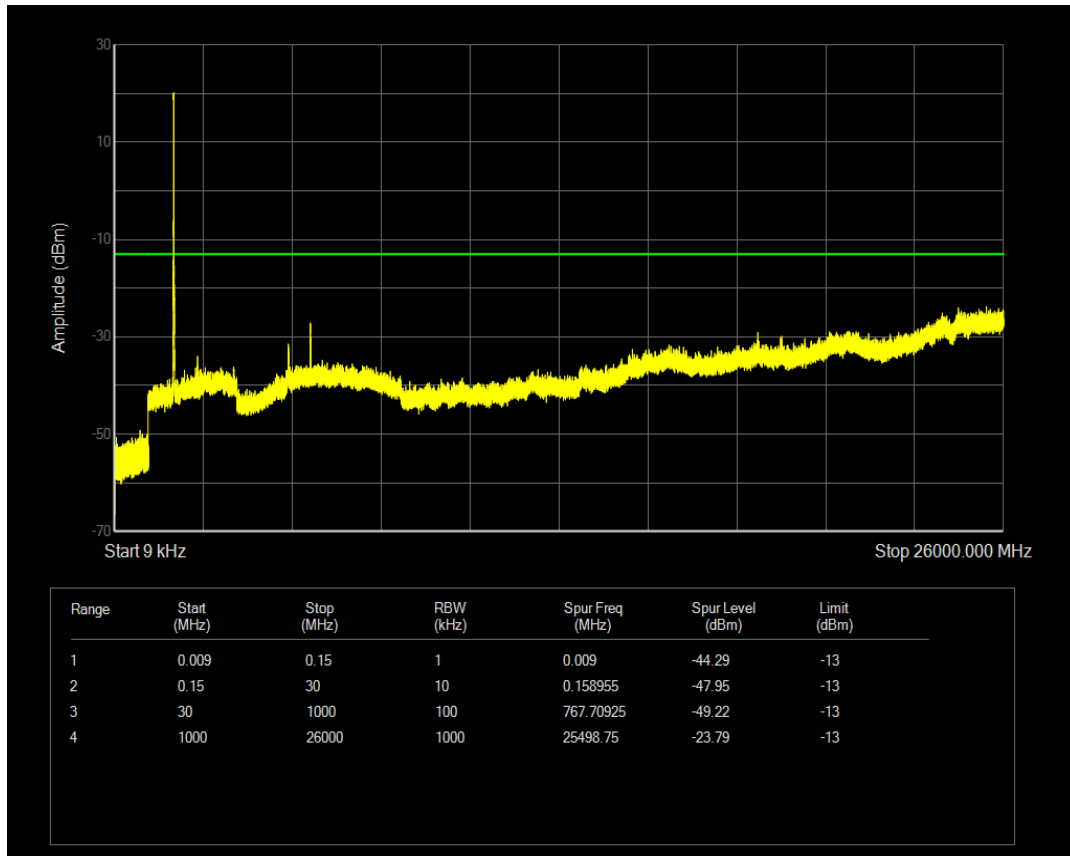
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



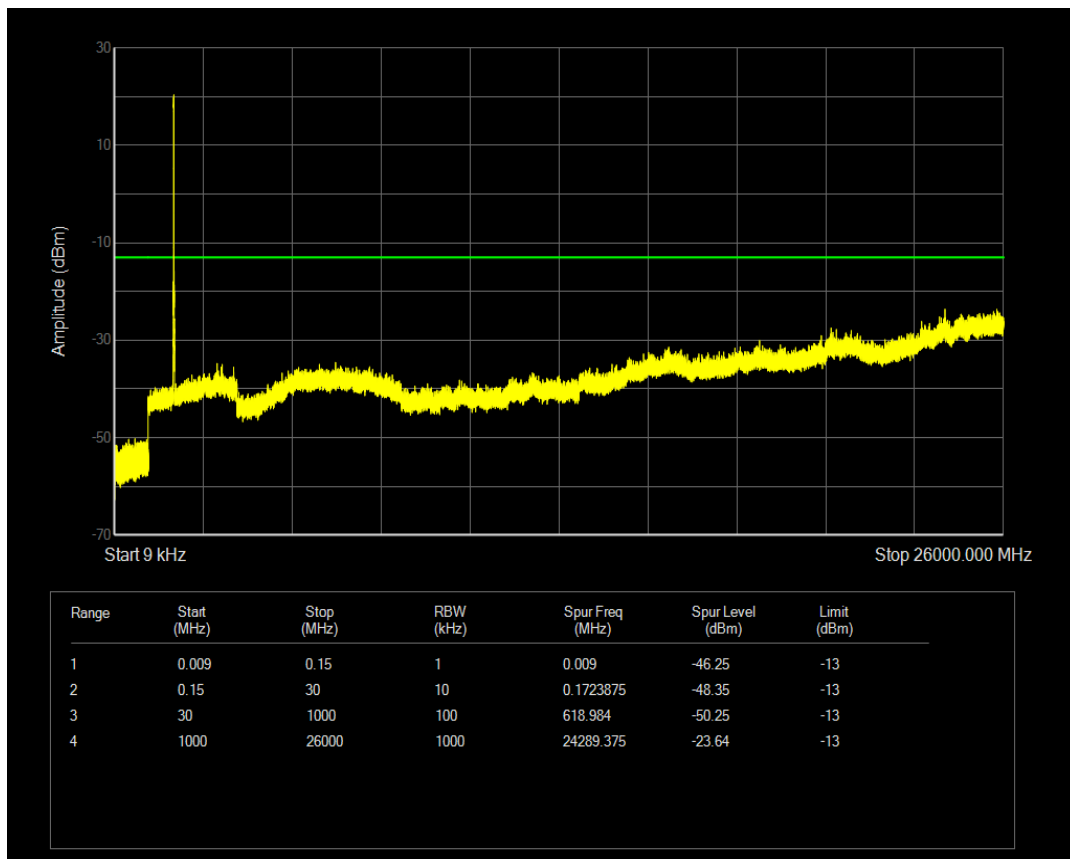
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



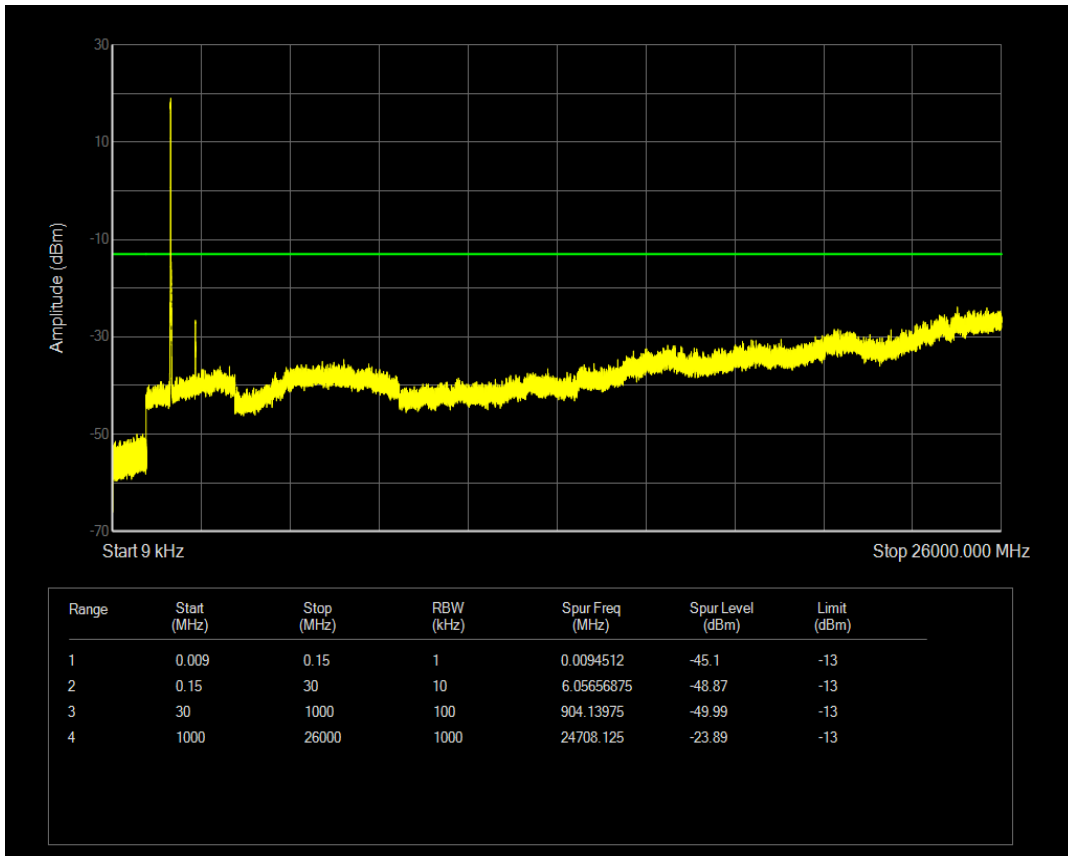
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



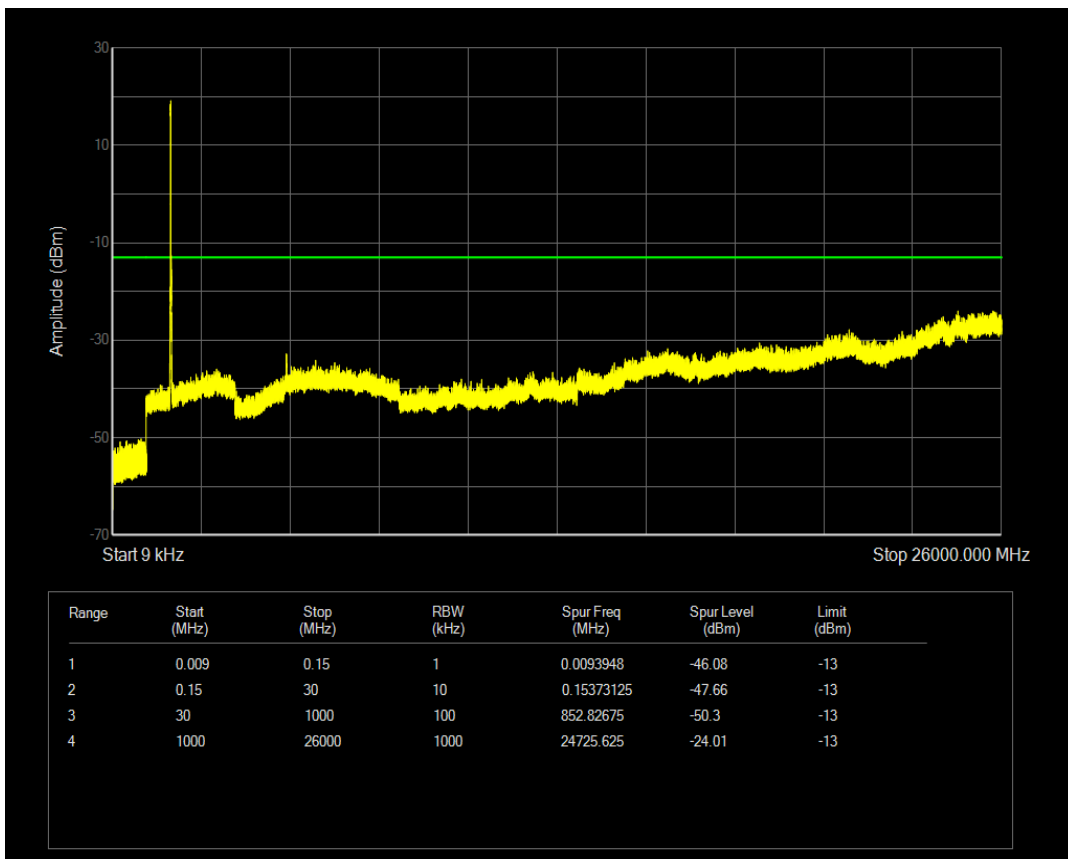
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



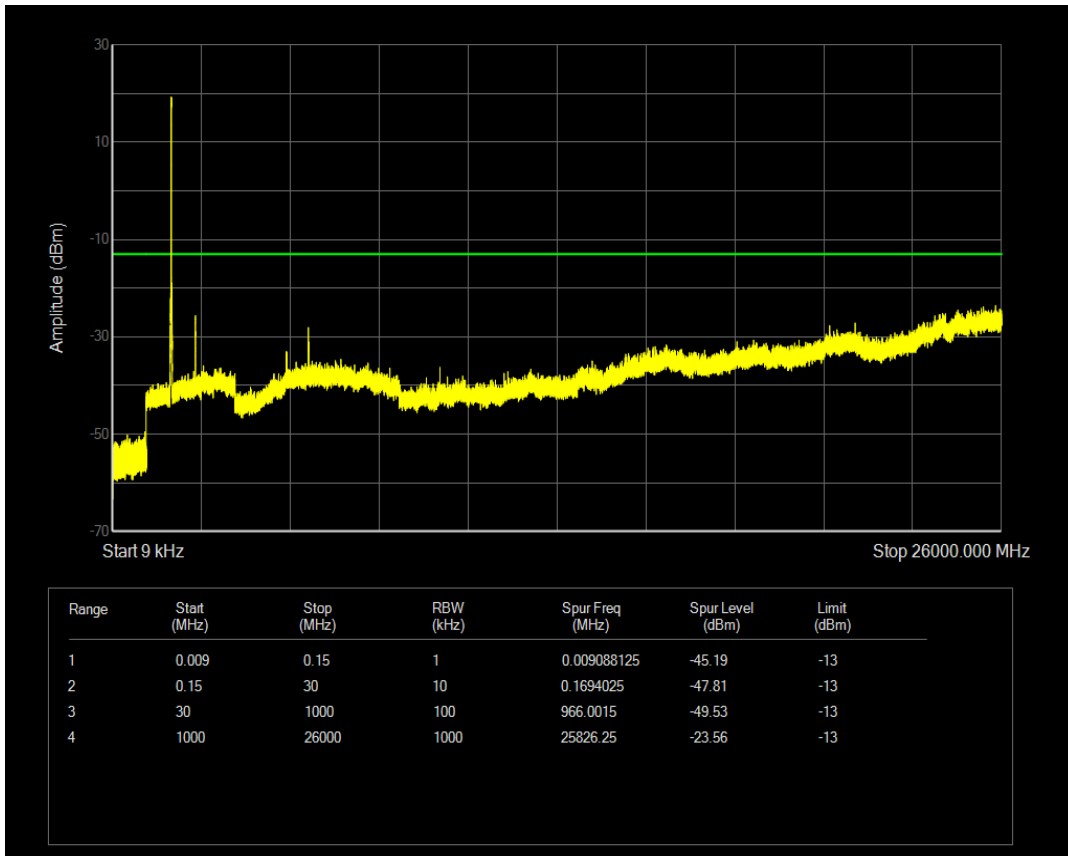
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



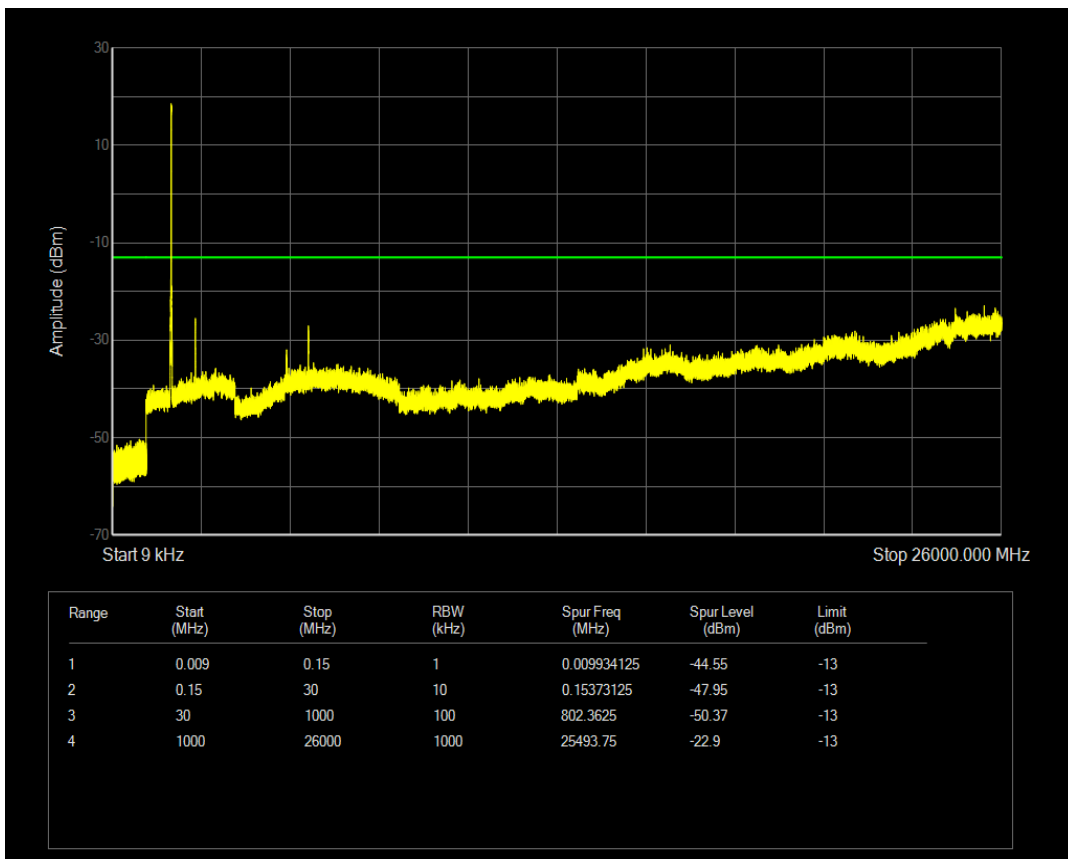
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



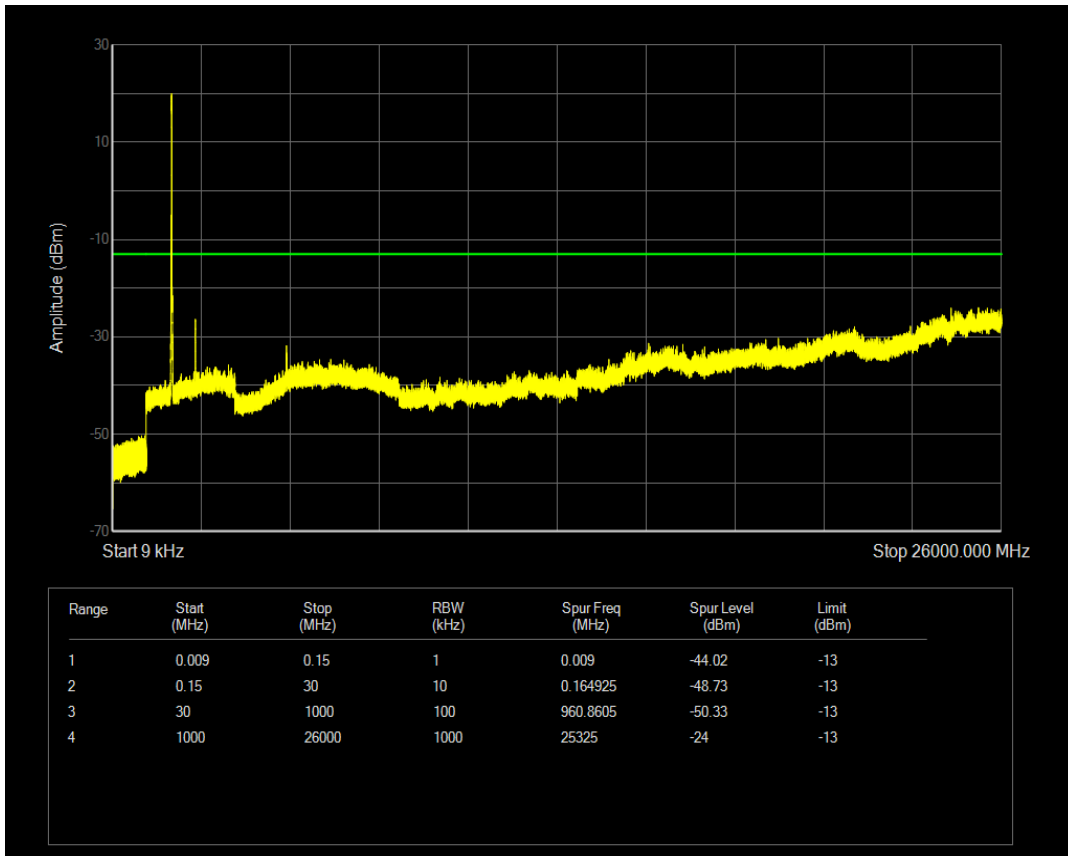
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



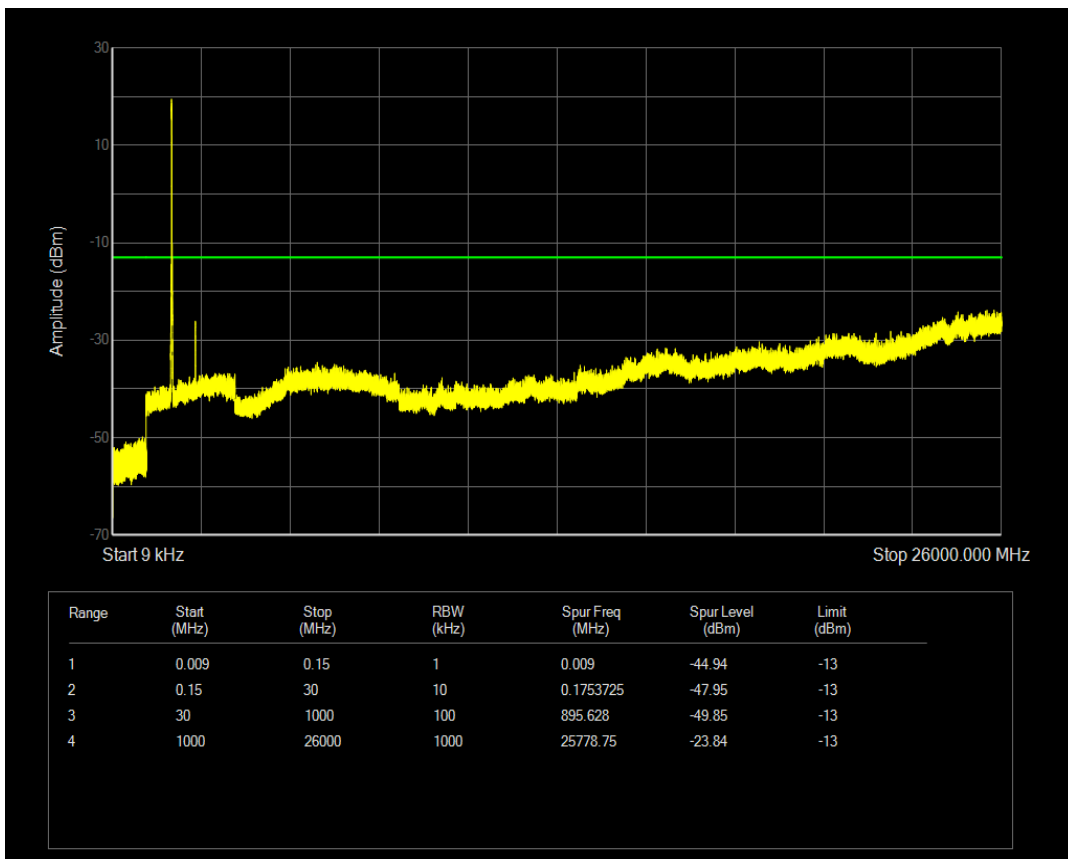
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



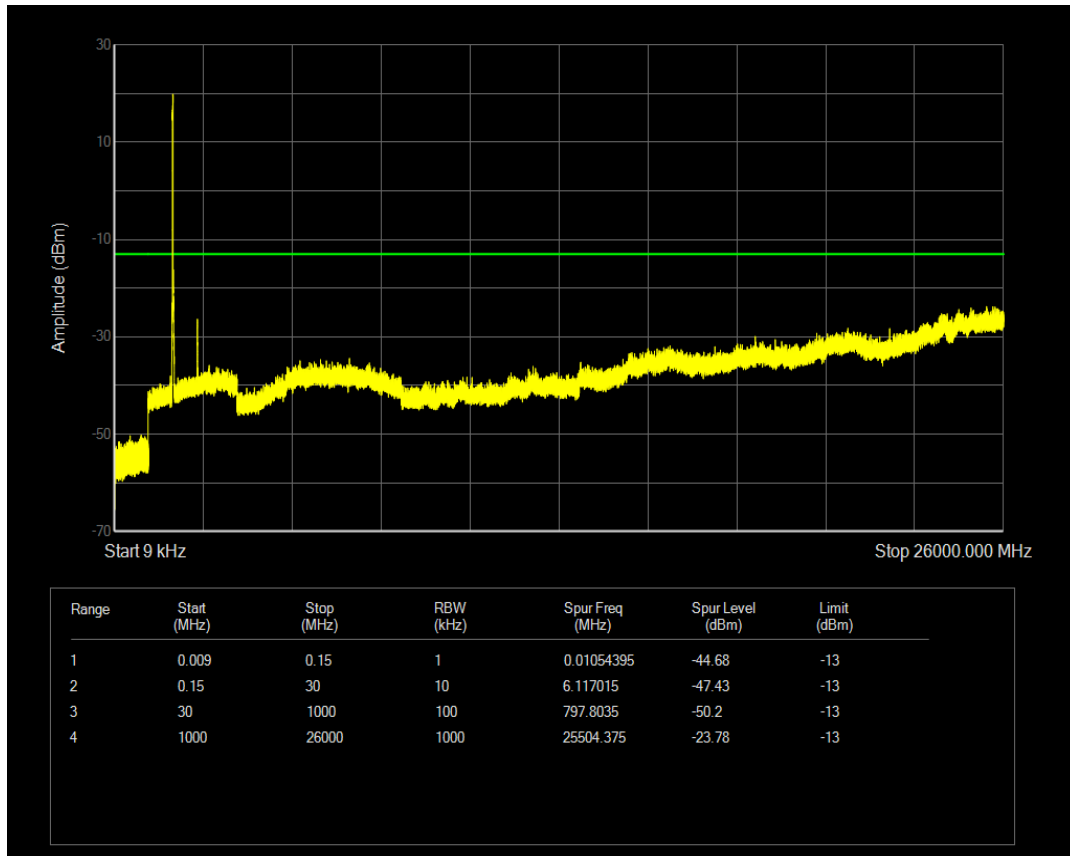
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



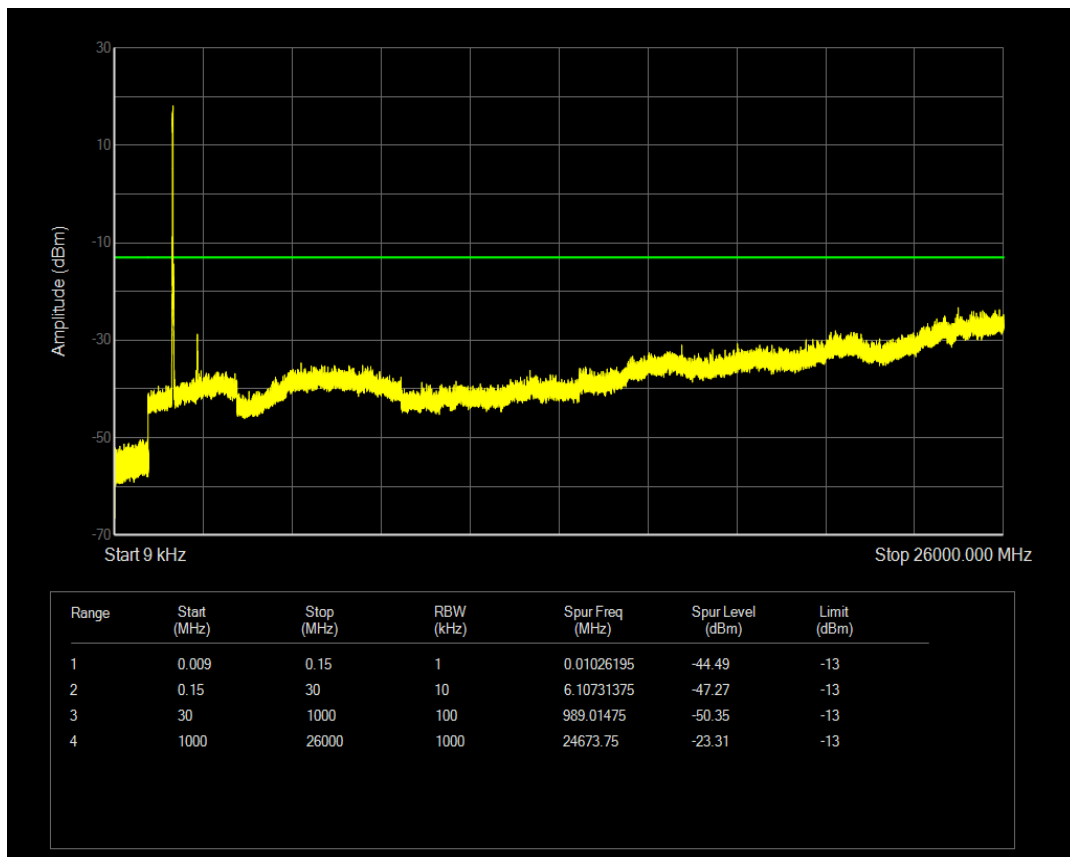
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



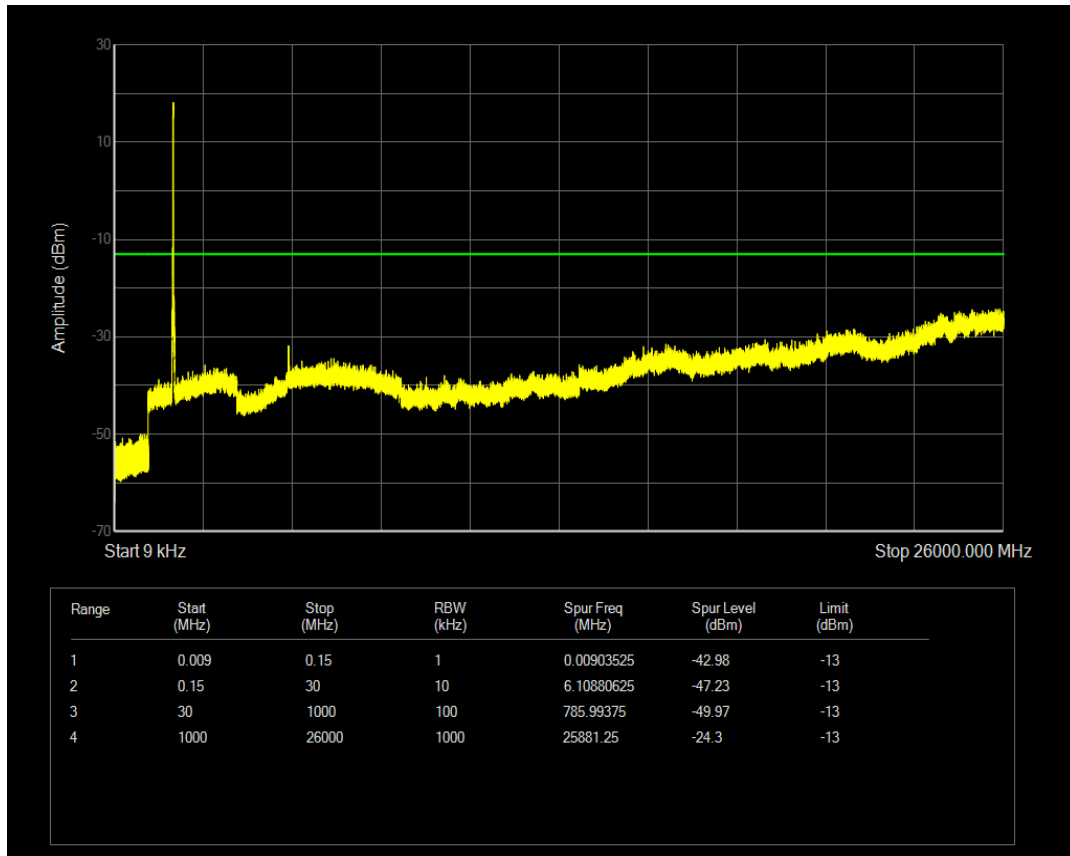
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



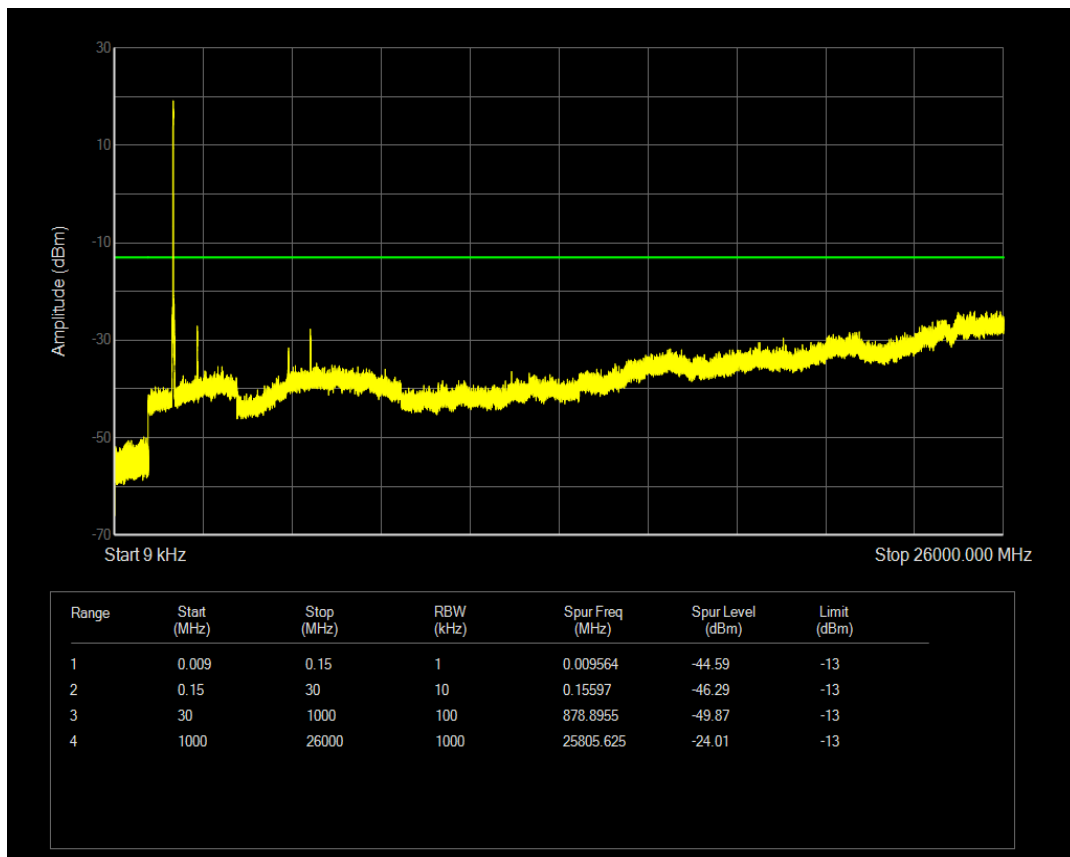
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



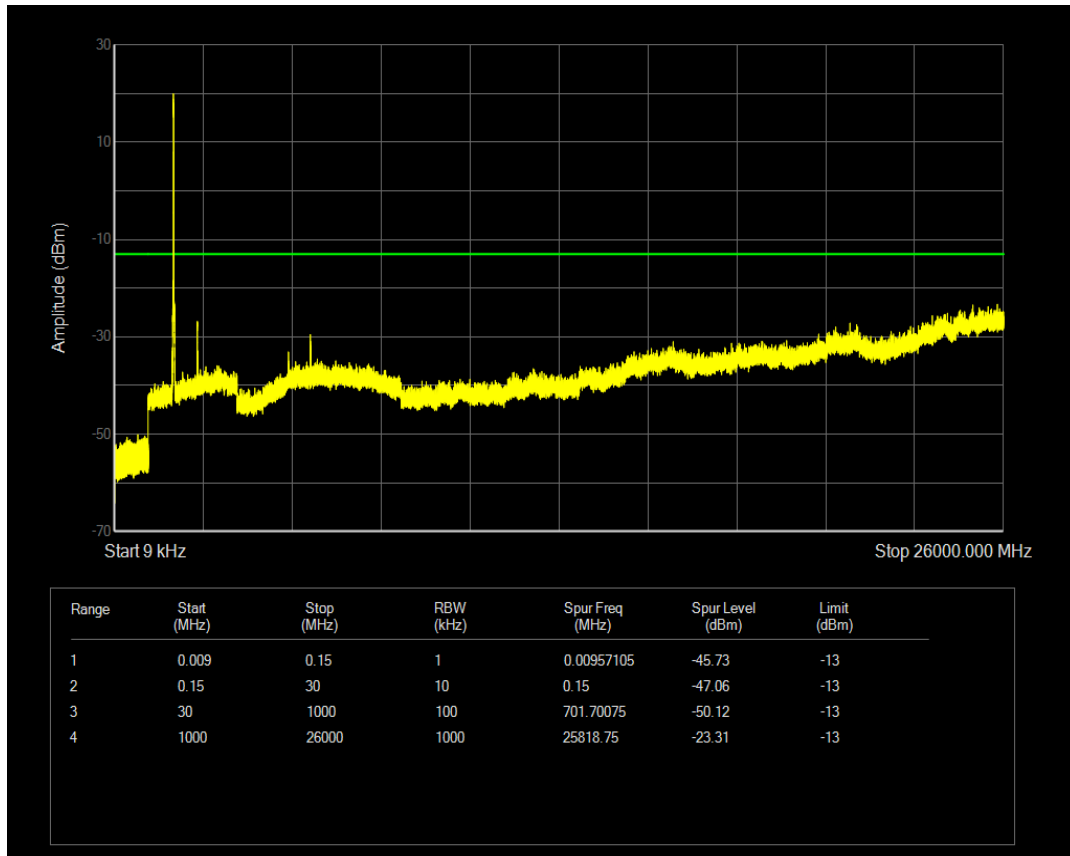
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



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

