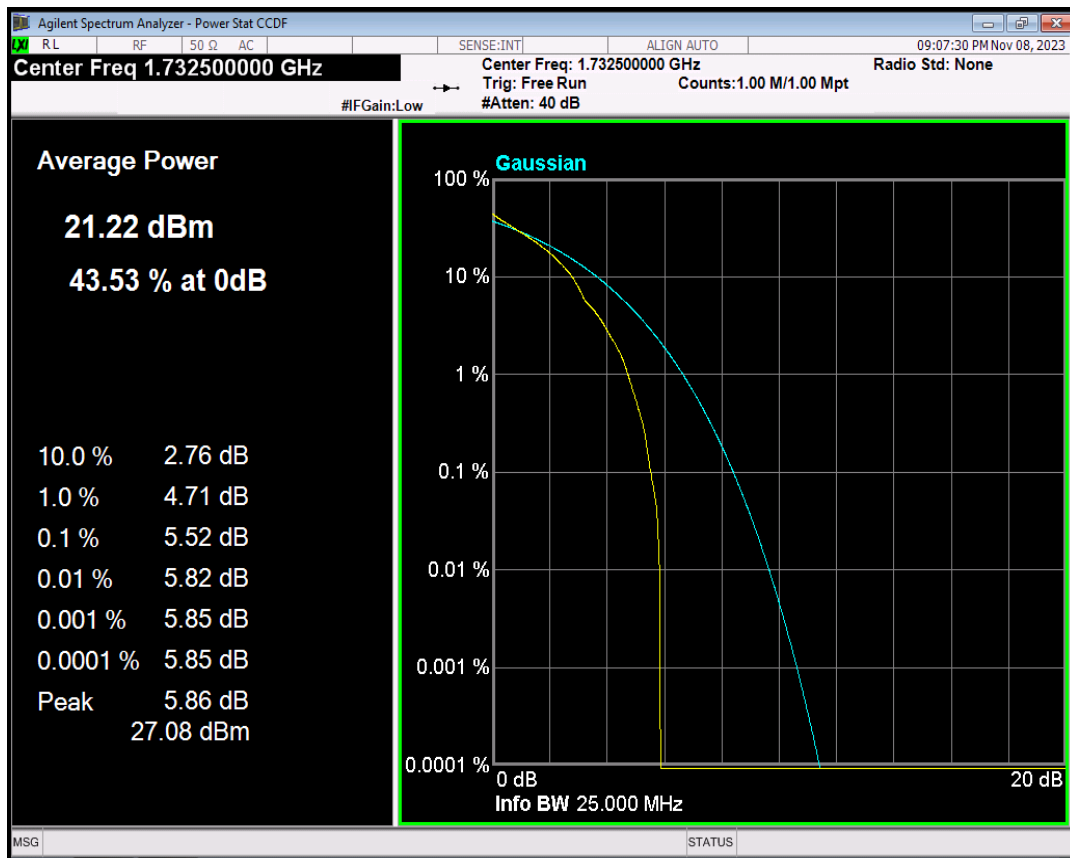
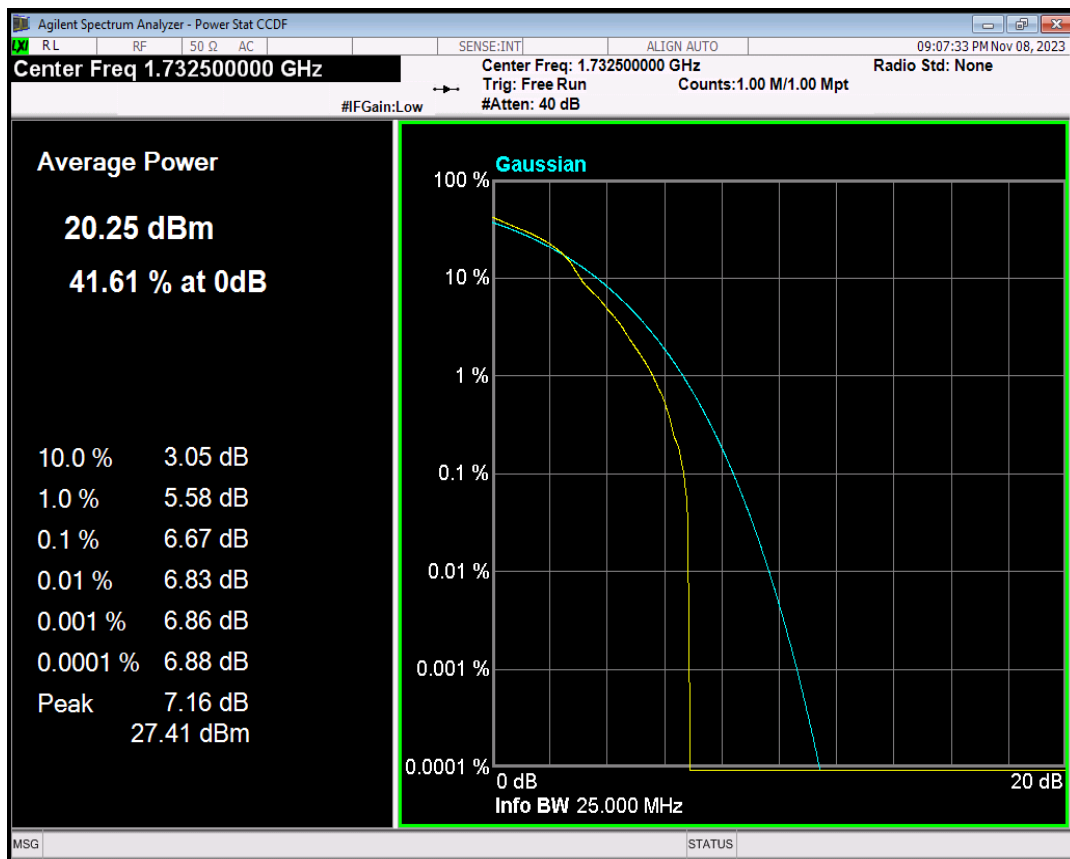




Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0

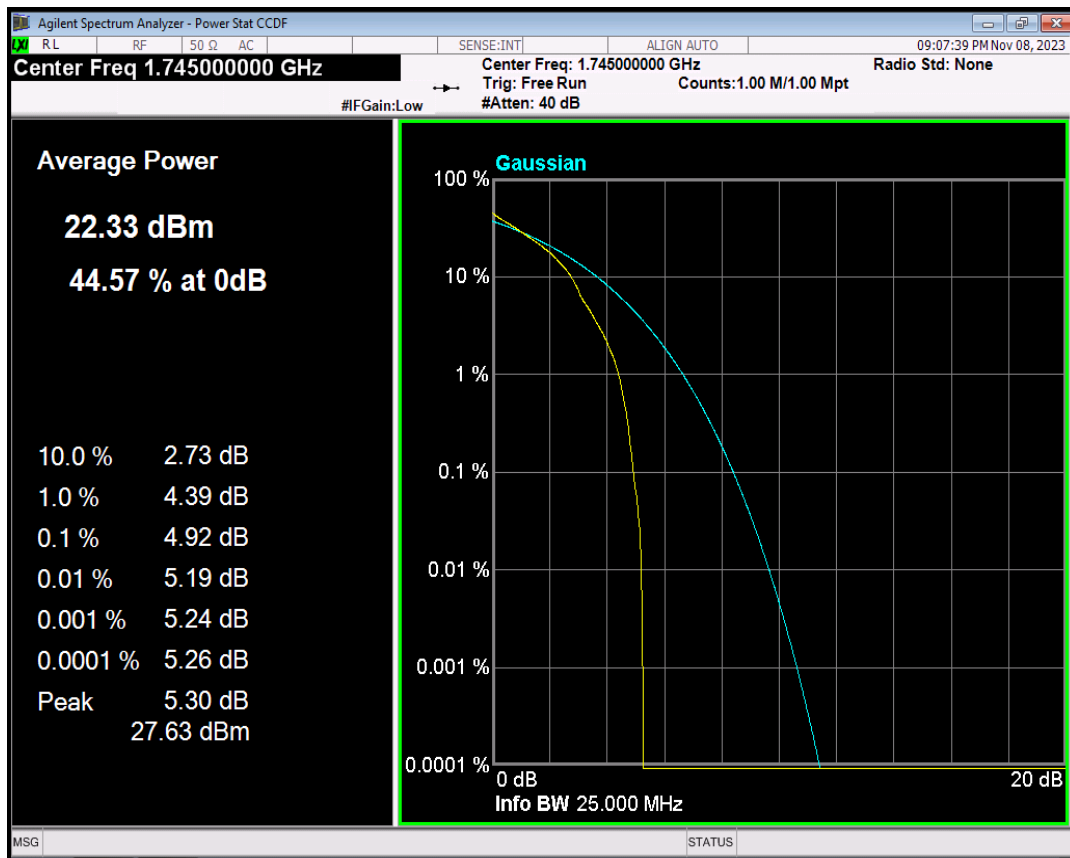


Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0

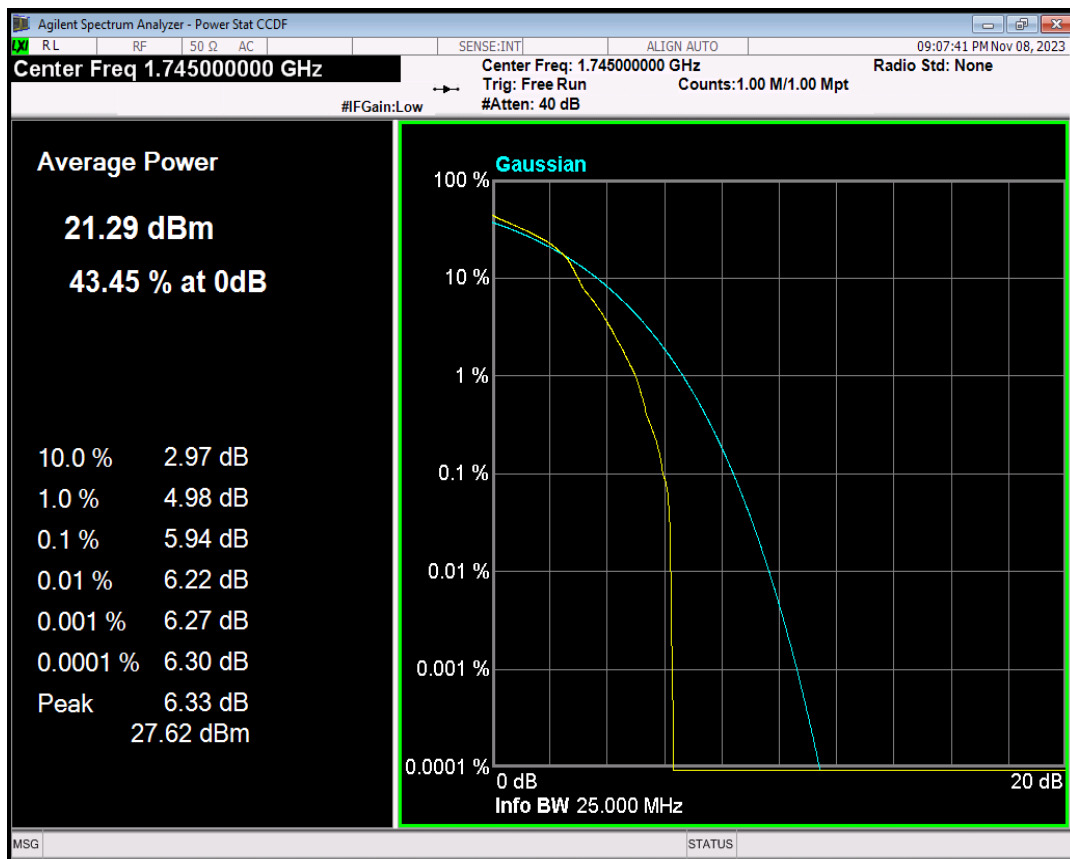




Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



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

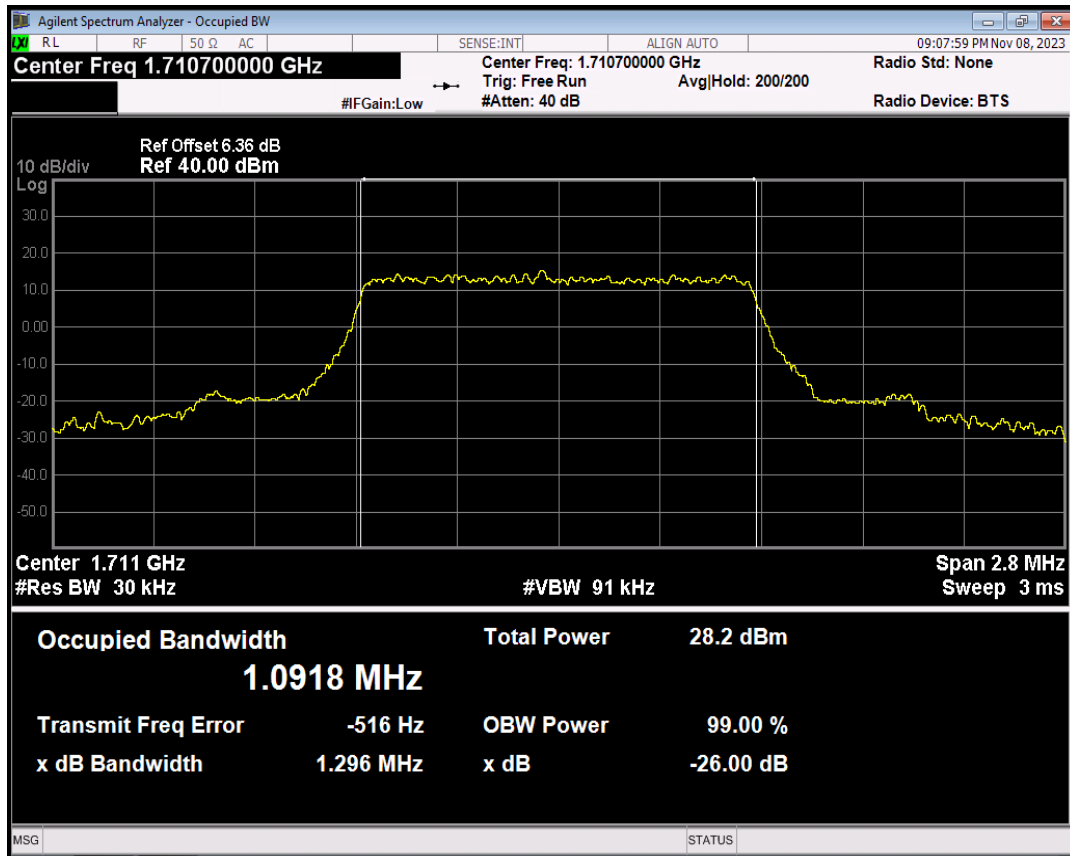


Appendix 4. Occupied bandwidth

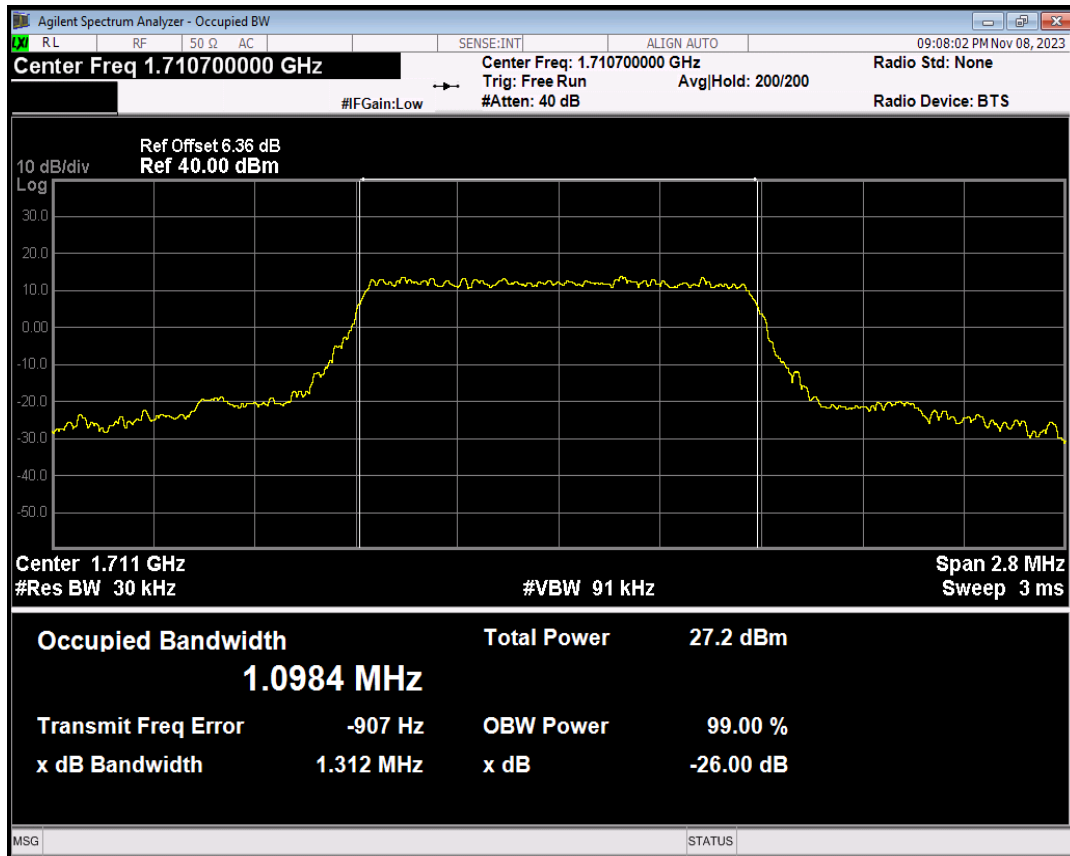
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.092	1.296	PASS
Band4	1.4	19957	6	#0	16QAM	1.098	1.312	PASS
Band4	1.4	20175	6	#0	QPSK	1.096	1.293	PASS
Band4	1.4	20175	6	#0	16QAM	1.088	1.284	PASS
Band4	1.4	20393	6	#0	QPSK	1.102	1.270	PASS
Band4	1.4	20393	6	#0	16QAM	1.096	1.302	PASS
Band4	3	19965	15	#0	QPSK	2.699	2.940	PASS
Band4	3	19965	15	#0	16QAM	2.693	2.958	PASS
Band4	3	20175	15	#0	QPSK	2.709	2.953	PASS
Band4	3	20175	15	#0	16QAM	2.705	2.918	PASS
Band4	3	20385	15	#0	QPSK	2.702	2.936	PASS
Band4	3	20385	15	#0	16QAM	2.690	2.932	PASS
Band4	5	19975	25	#0	QPSK	4.499	4.916	PASS
Band4	5	19975	25	#0	16QAM	4.499	4.878	PASS
Band4	5	20175	25	#0	QPSK	4.517	4.947	PASS
Band4	5	20175	25	#0	16QAM	4.528	4.938	PASS
Band4	5	20375	25	#0	QPSK	4.509	4.937	PASS
Band4	5	20375	25	#0	16QAM	4.514	4.962	PASS
Band4	10	20000	50	#0	QPSK	9.021	9.724	PASS
Band4	10	20000	50	#0	16QAM	9.005	9.768	PASS
Band4	10	20175	50	#0	QPSK	9.002	9.733	PASS
Band4	10	20175	50	#0	16QAM	8.994	9.625	PASS
Band4	10	20350	50	#0	QPSK	9.009	9.840	PASS
Band4	10	20350	50	#0	16QAM	9.016	9.820	PASS
Band4	15	20025	75	#0	QPSK	13.529	14.707	PASS
Band4	15	20025	75	#0	16QAM	13.519	14.652	PASS
Band4	15	20175	75	#0	QPSK	13.481	14.489	PASS
Band4	15	20175	75	#0	16QAM	13.466	14.466	PASS
Band4	15	20325	75	#0	QPSK	13.551	14.676	PASS
Band4	15	20325	75	#0	16QAM	13.526	14.733	PASS
Band4	20	20050	100	#0	QPSK	17.936	19.225	PASS
Band4	20	20050	100	#0	16QAM	17.979	19.356	PASS
Band4	20	20175	100	#0	QPSK	17.978	19.158	PASS
Band4	20	20175	100	#0	16QAM	17.928	19.214	PASS
Band4	20	20300	100	#0	QPSK	17.953	19.283	PASS
Band4	20	20300	100	#0	16QAM	17.962	19.227	PASS



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

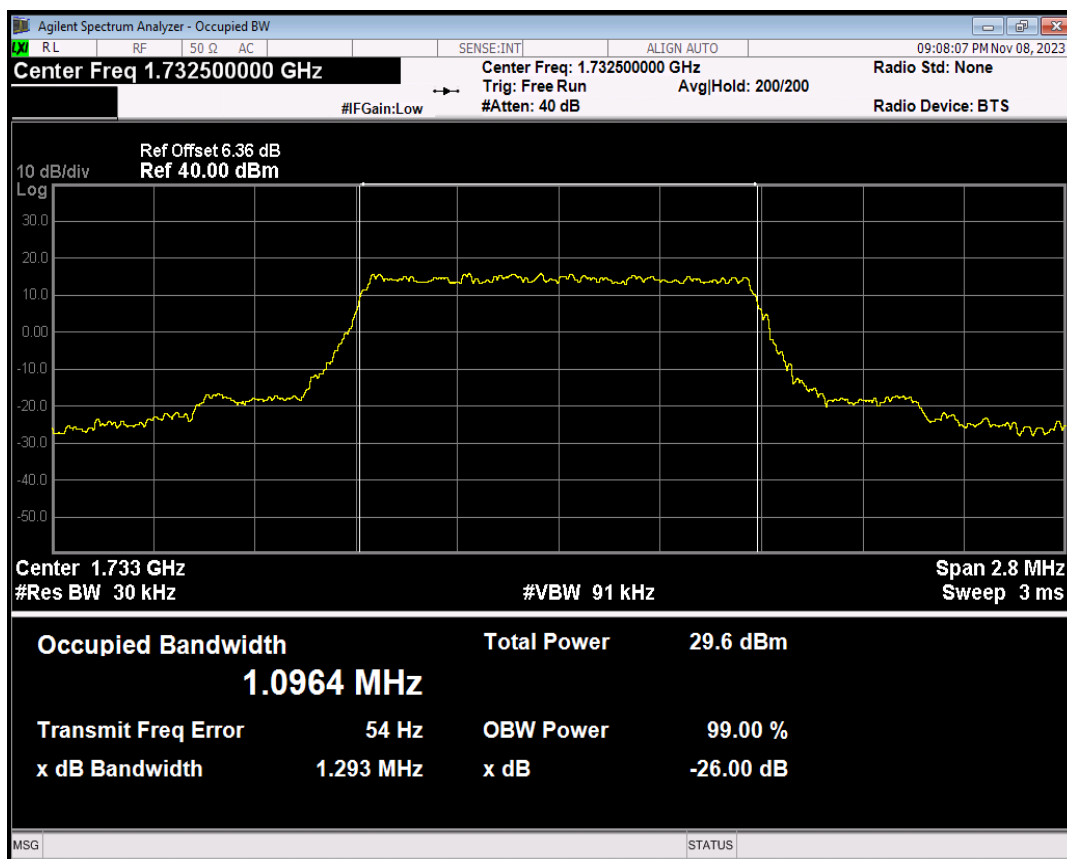


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

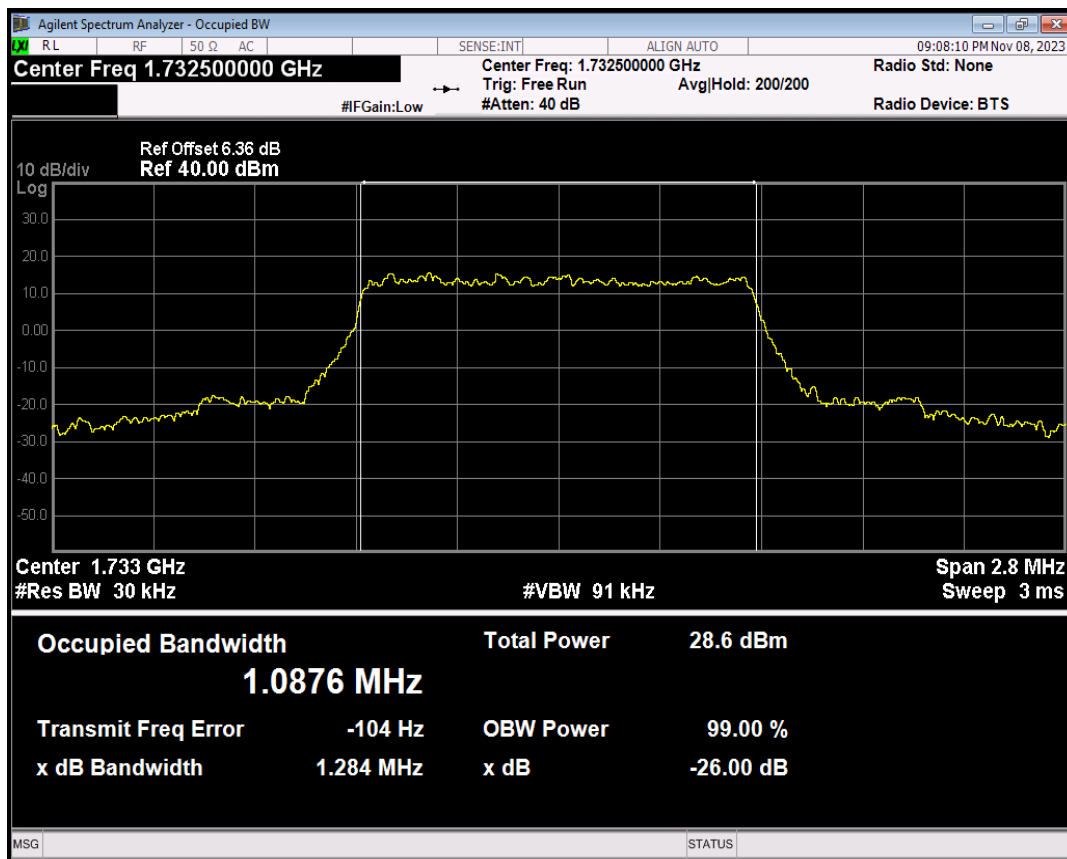




Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

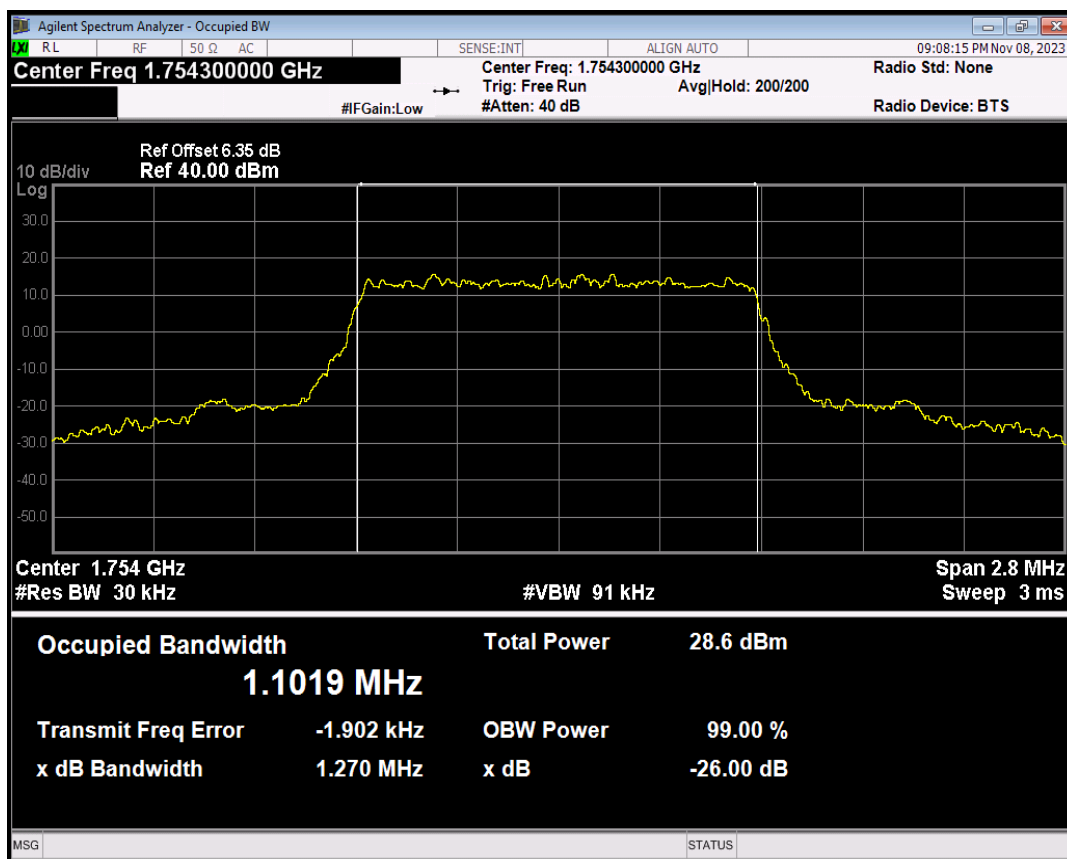


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

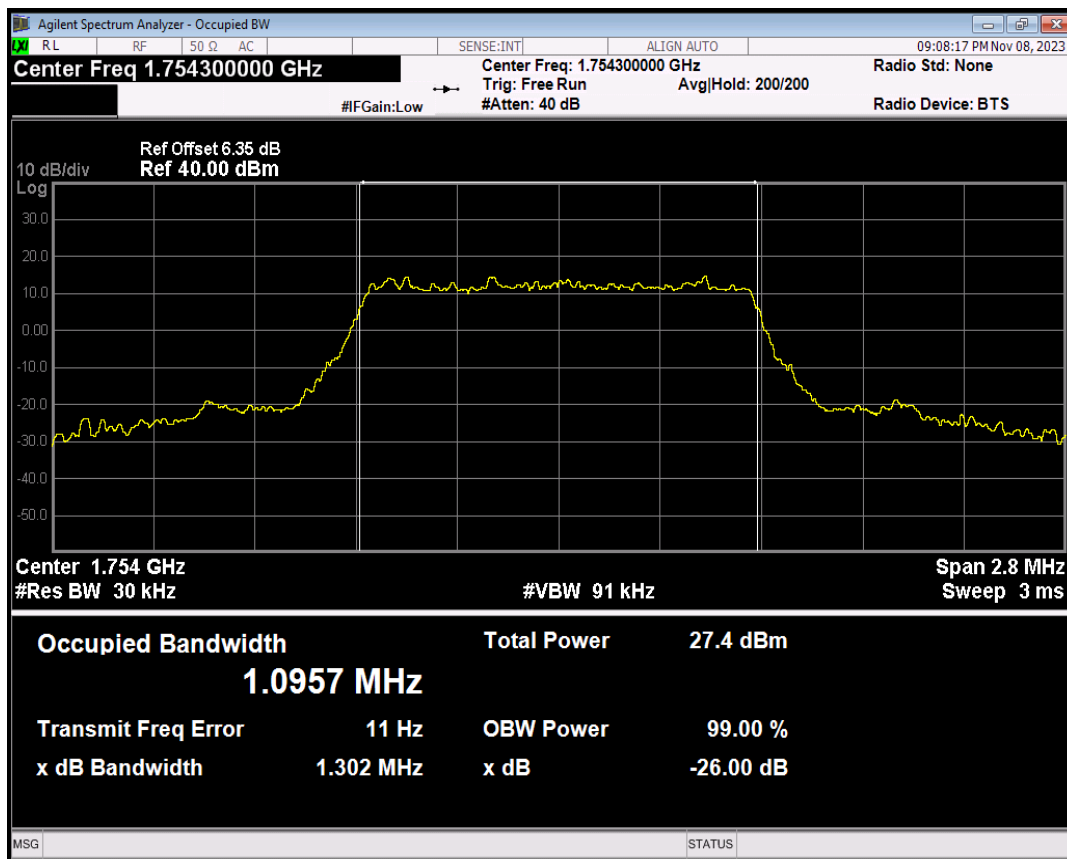




Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

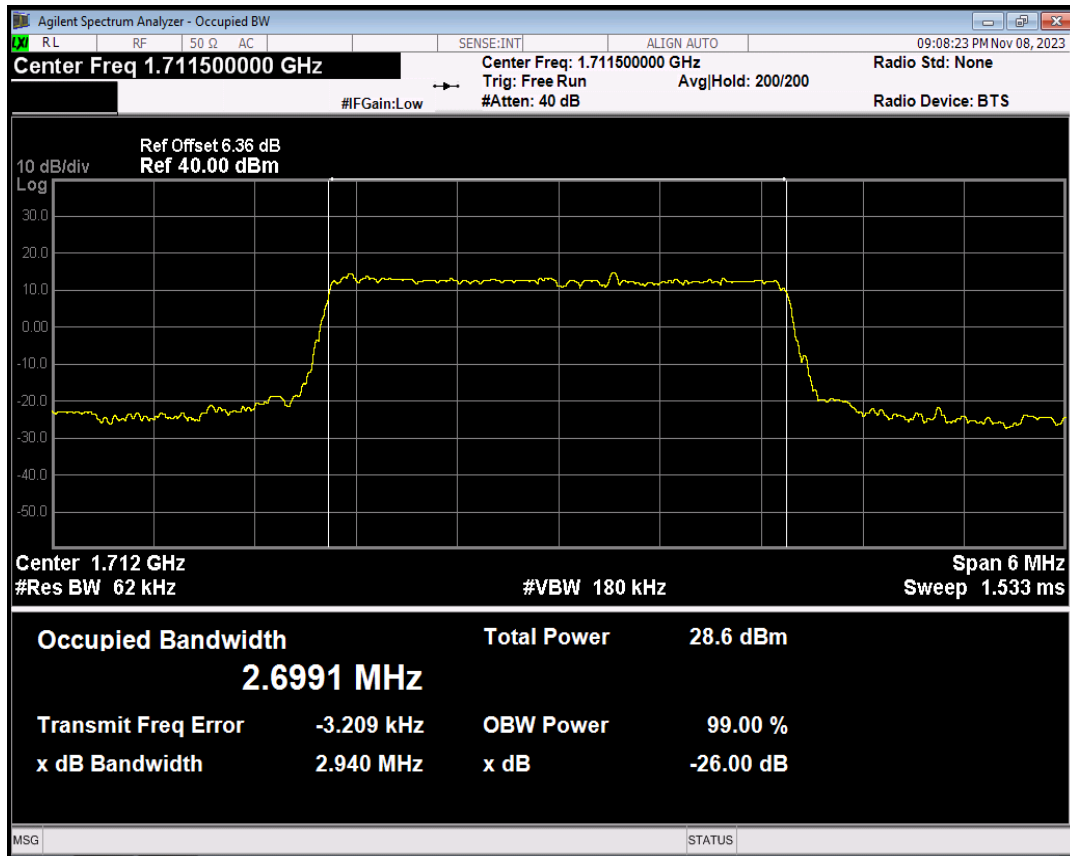


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

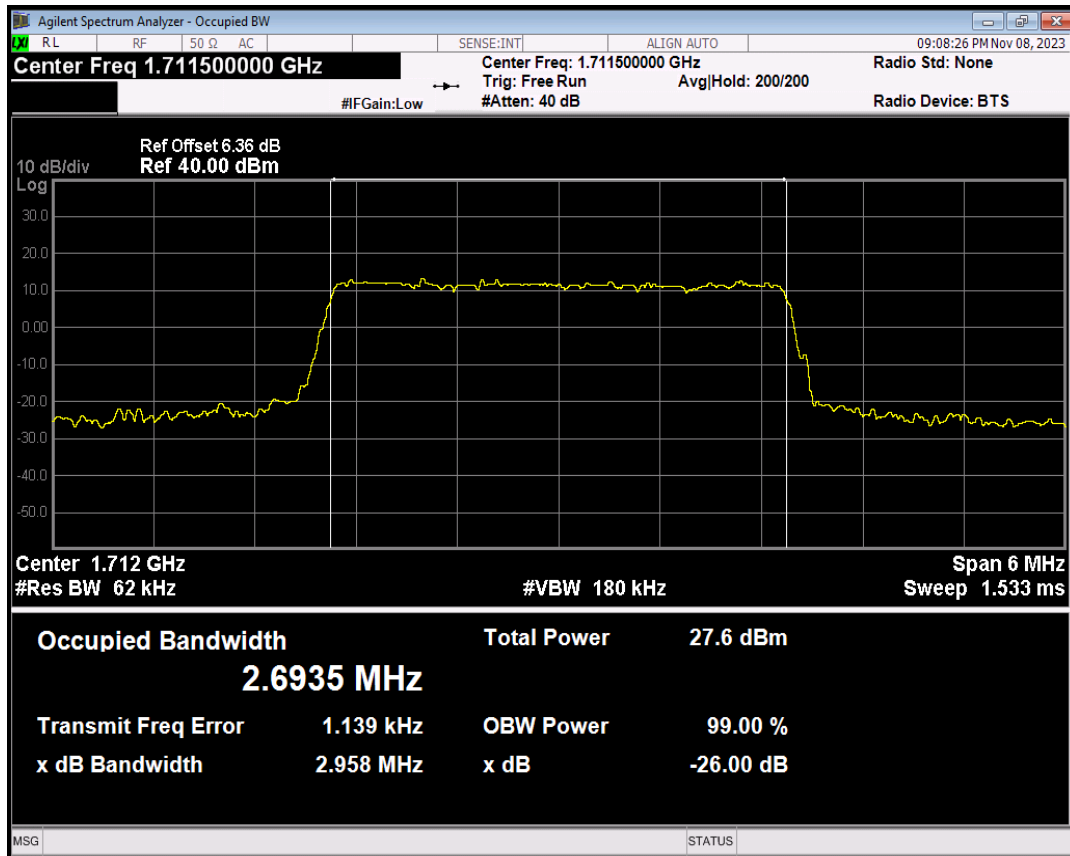




Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

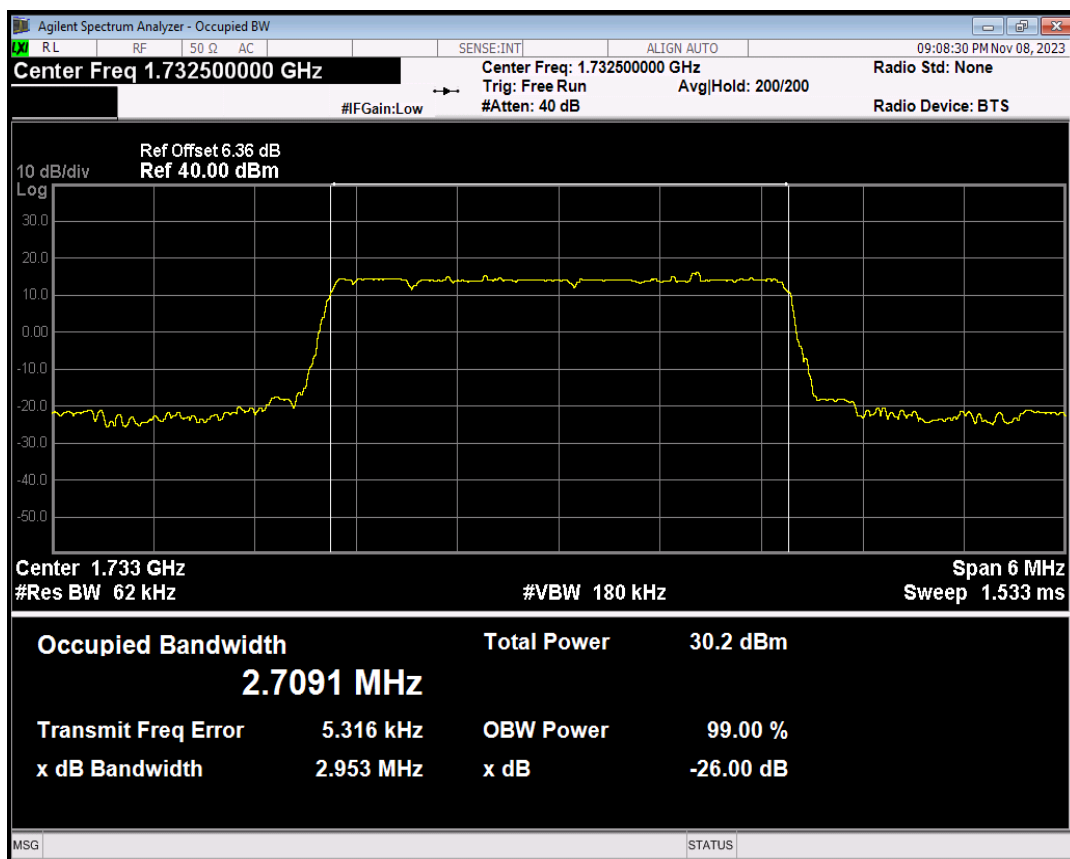


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

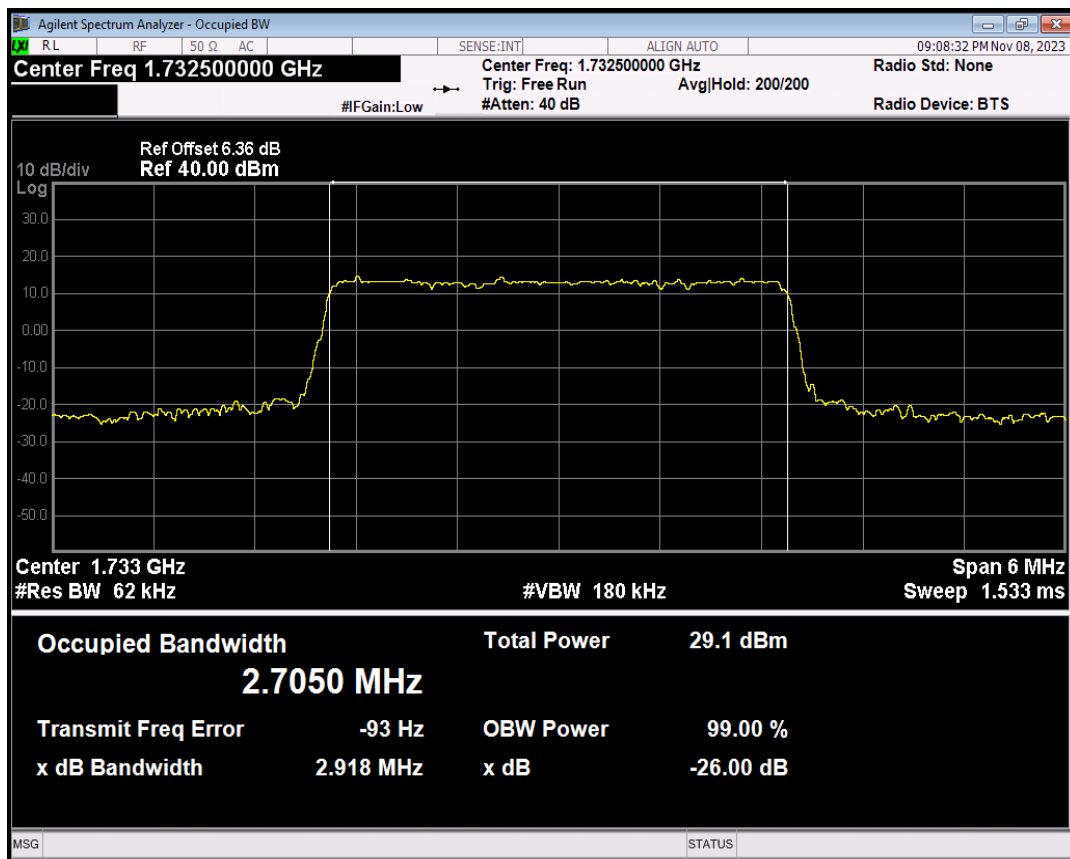




Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

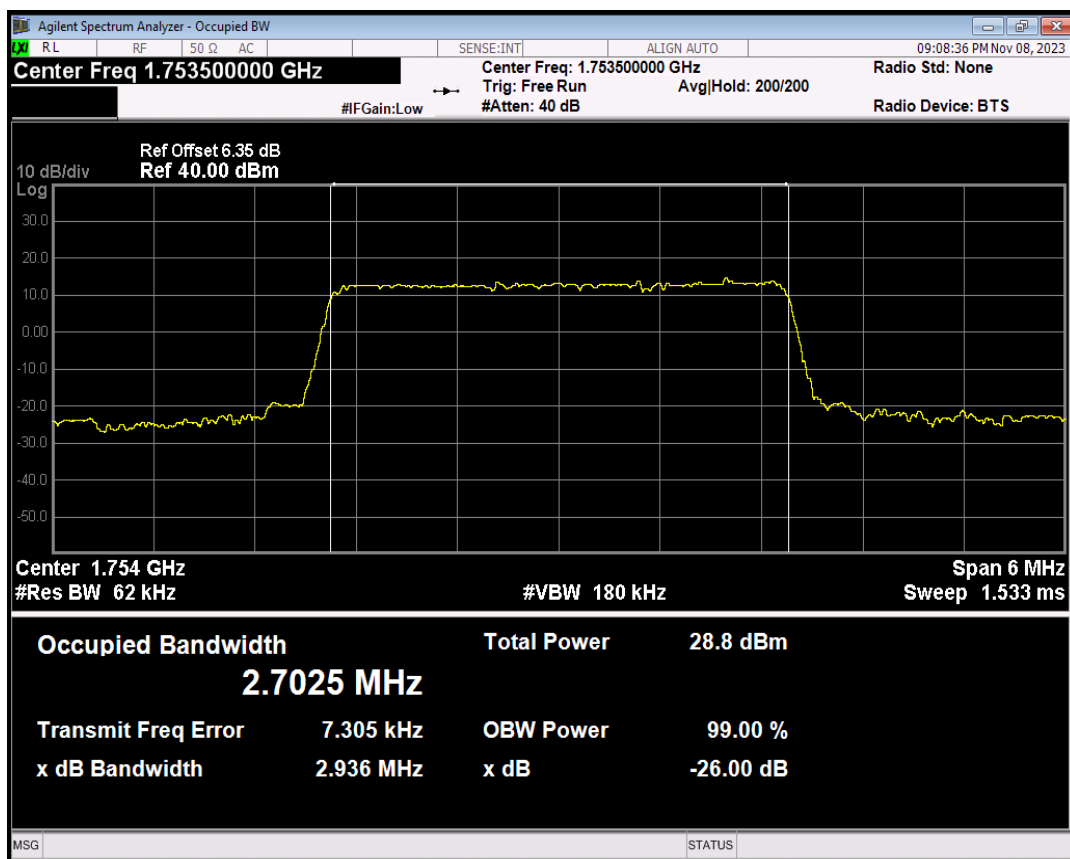


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

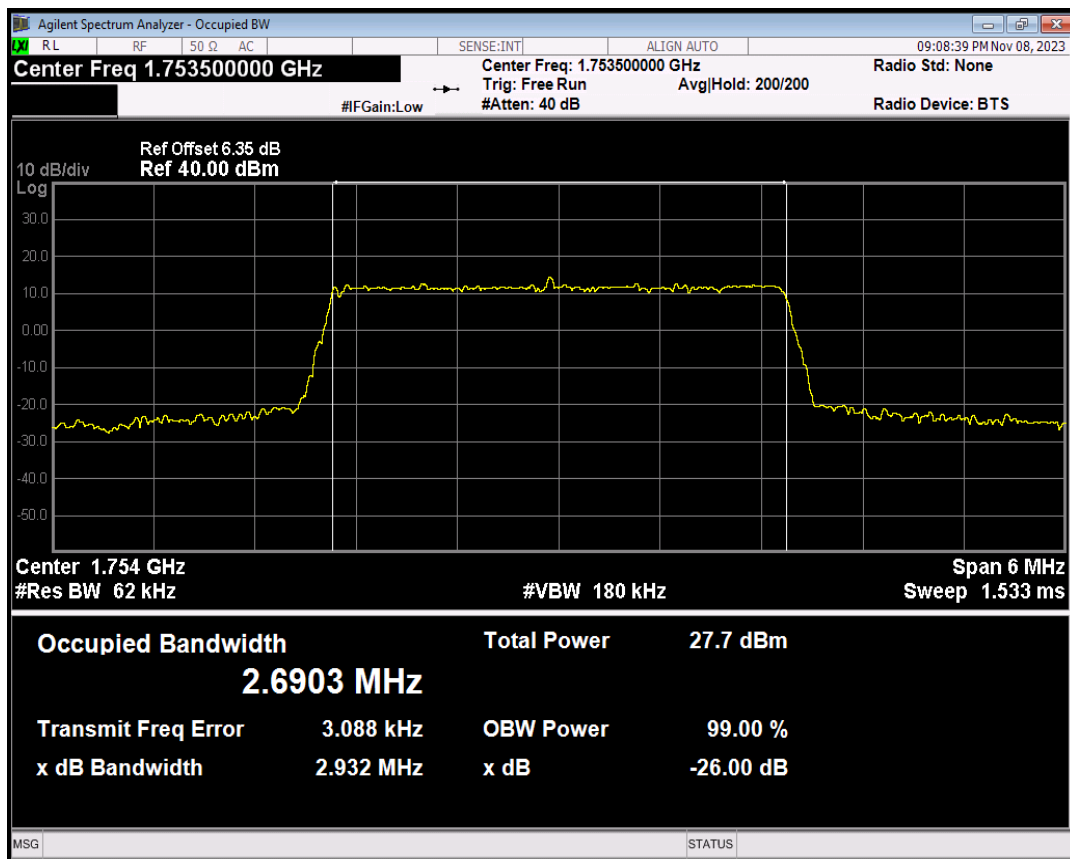




Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

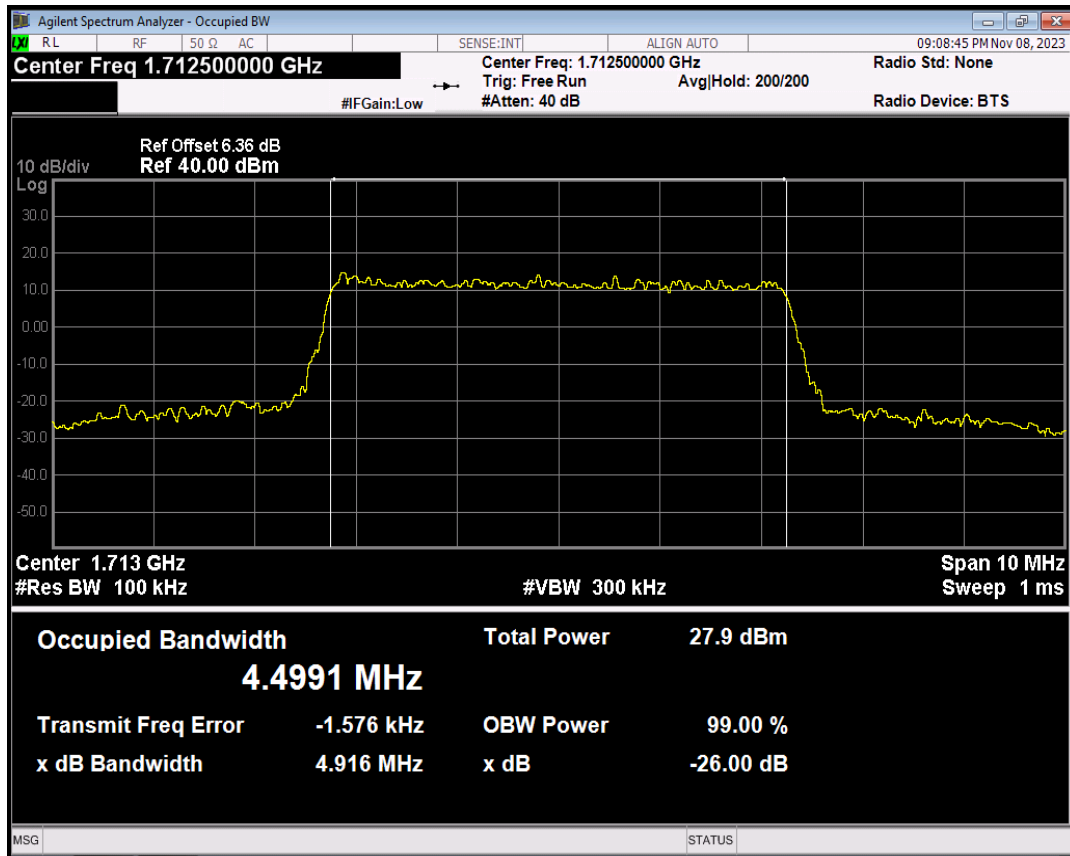


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

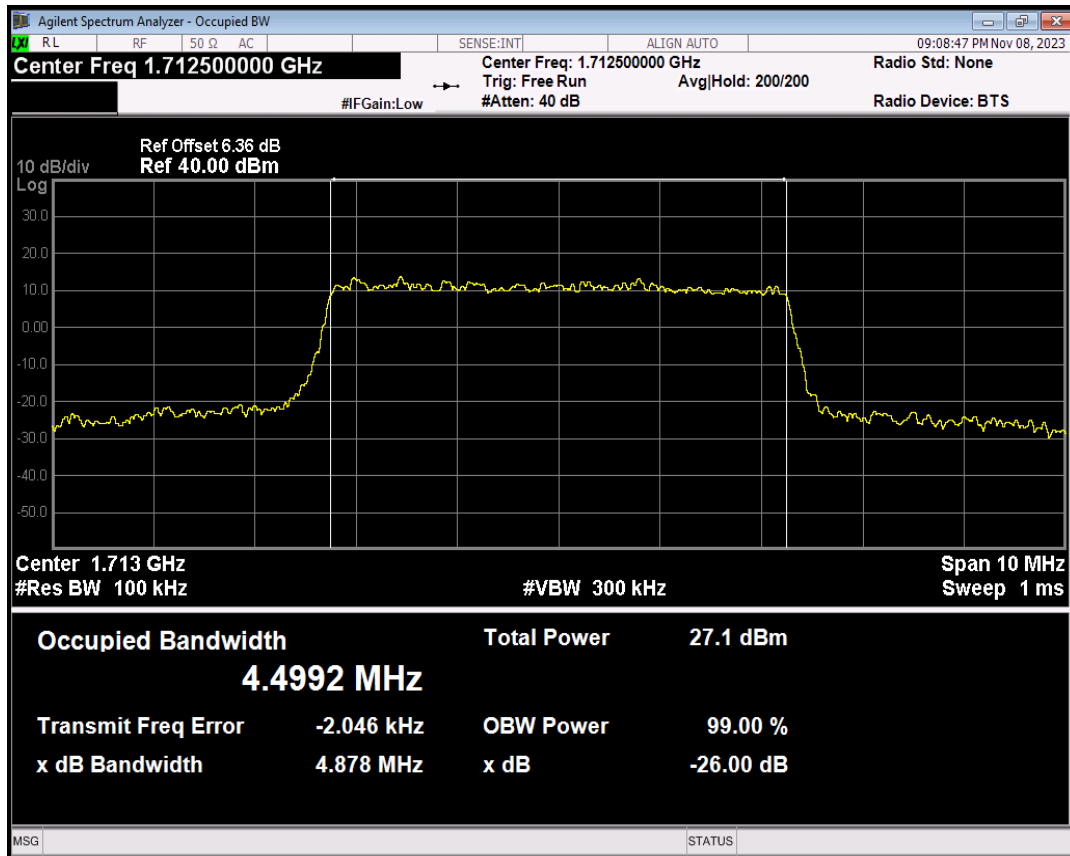




Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

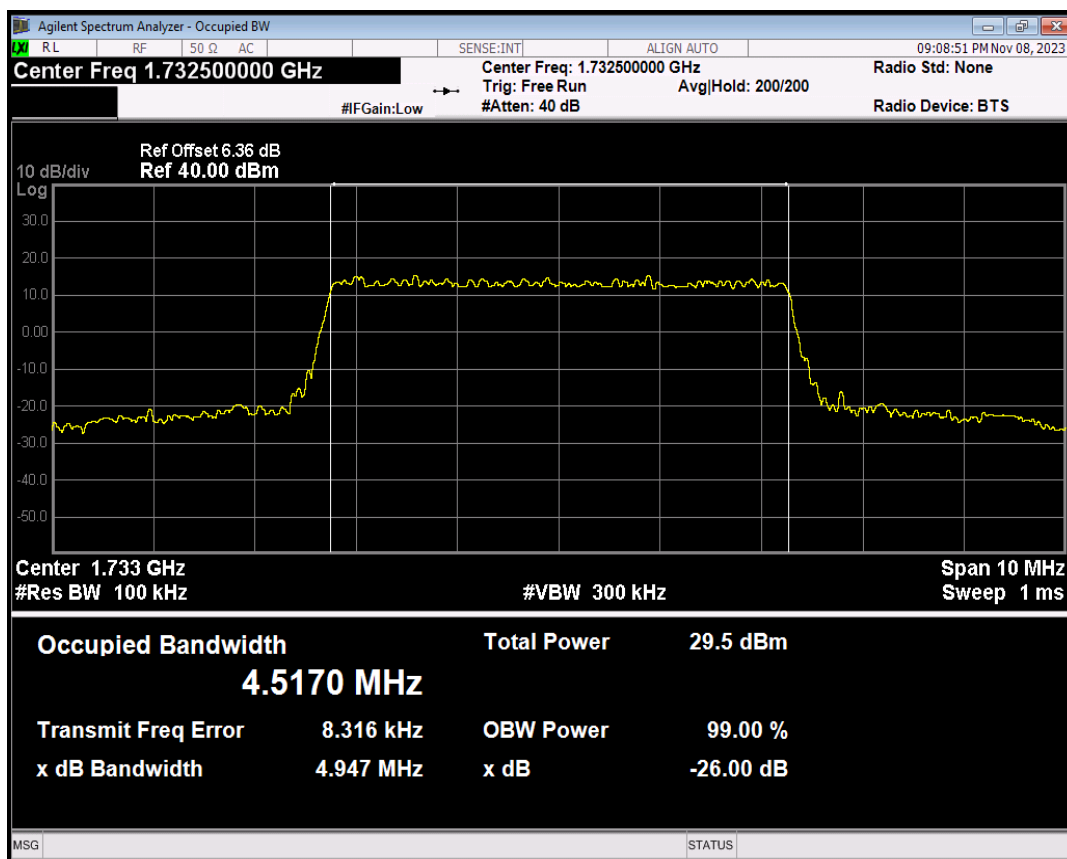


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

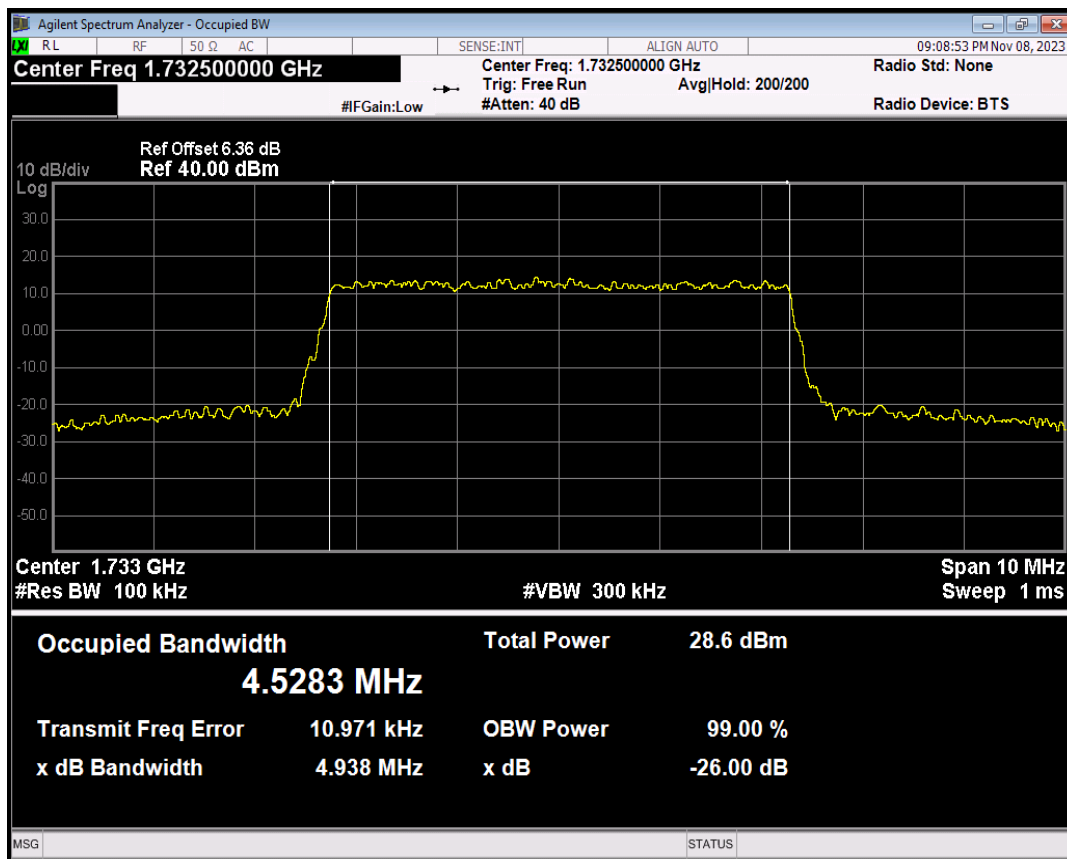




Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

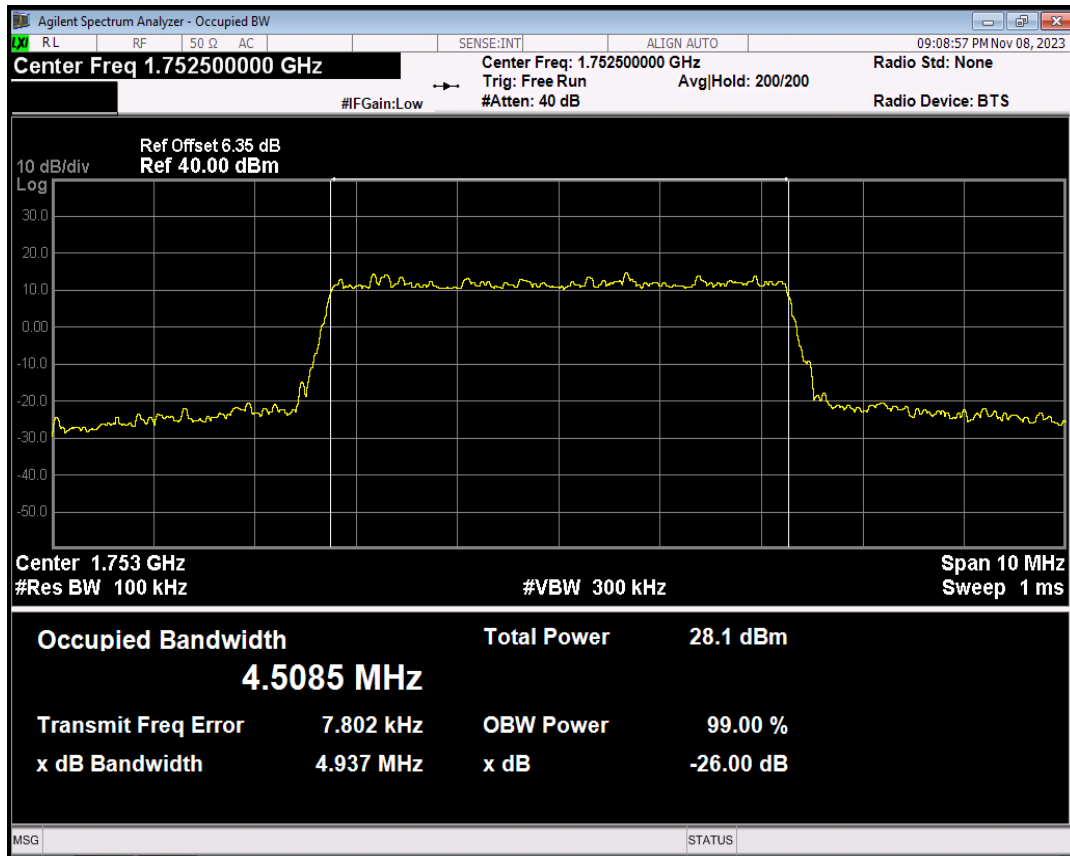


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

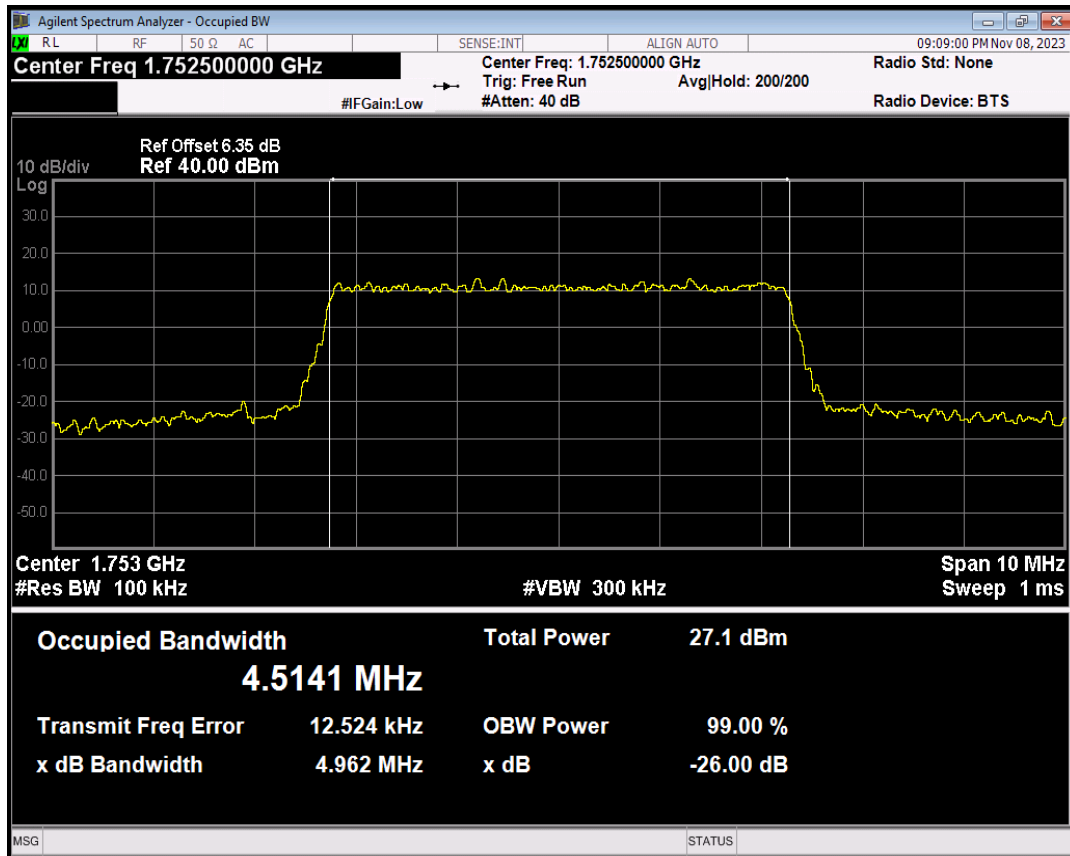




Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

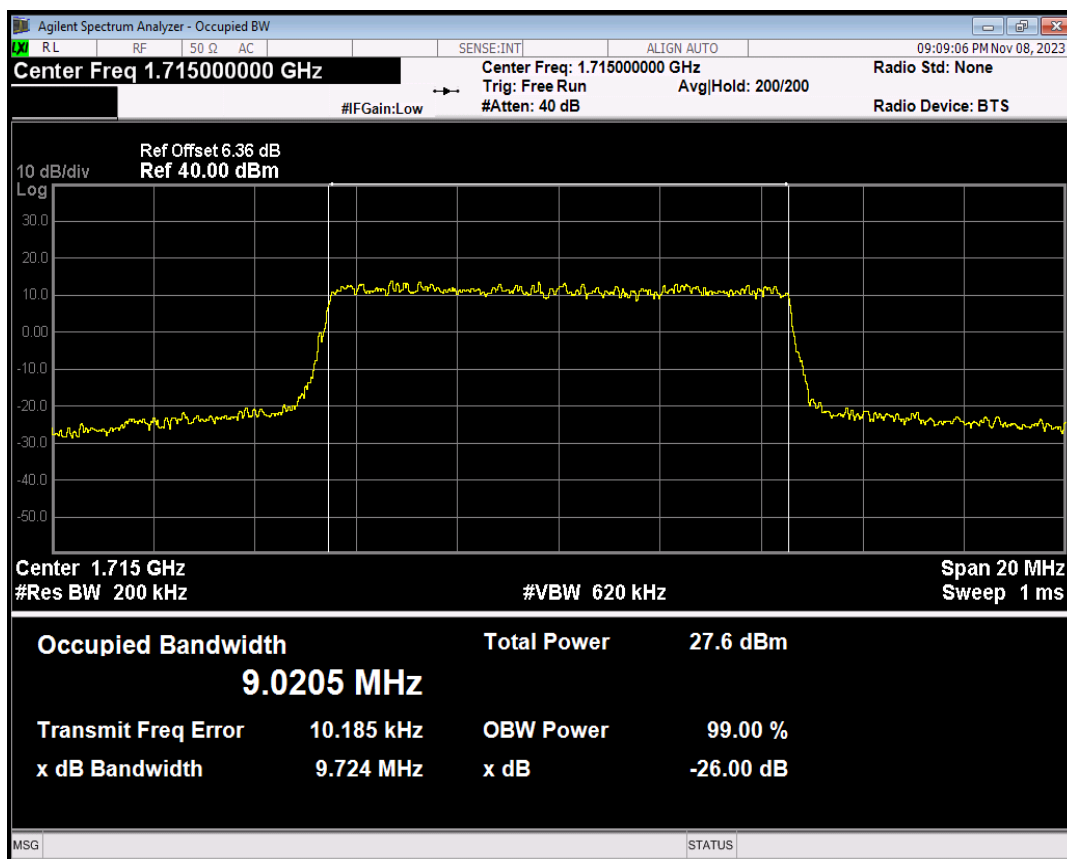


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

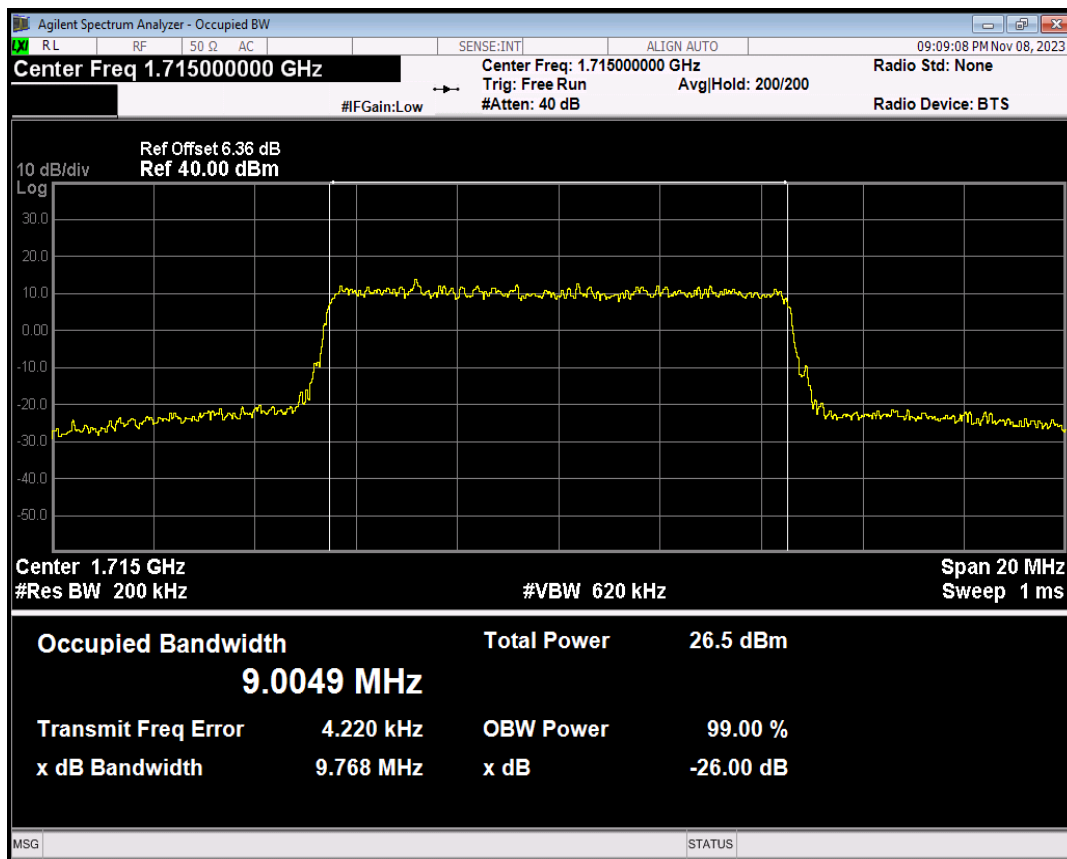




Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

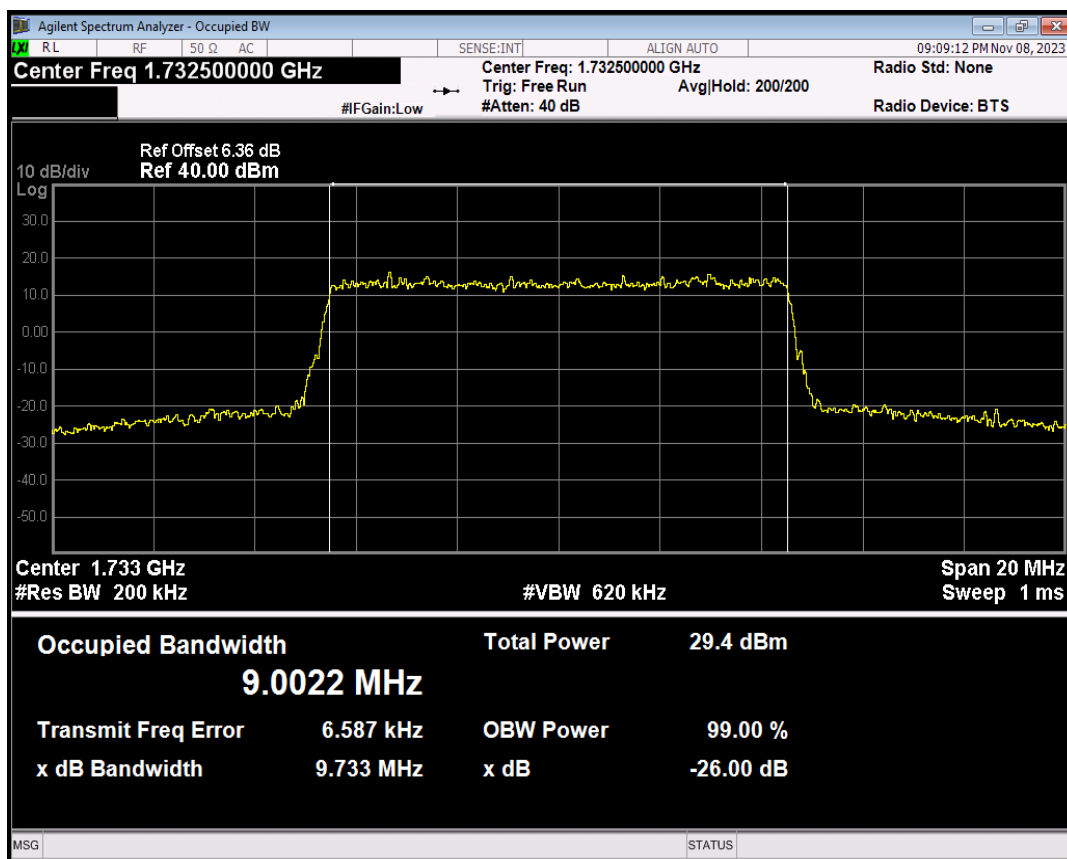


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

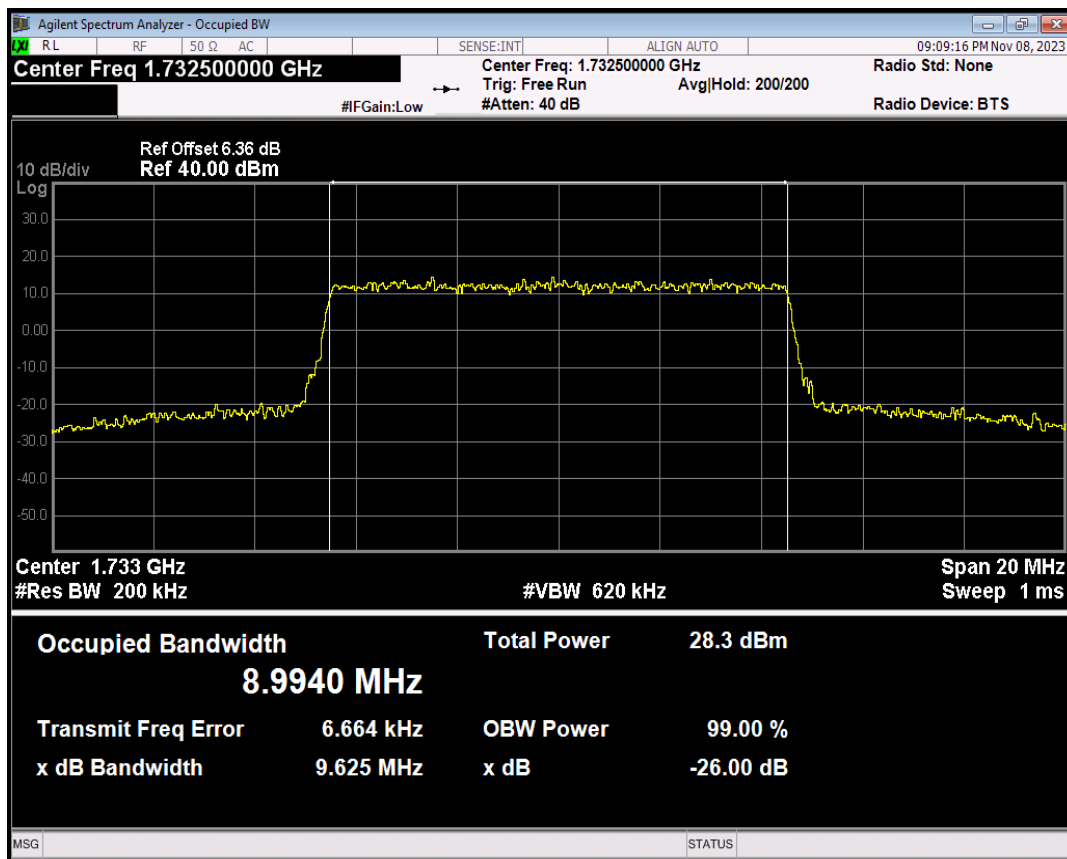




Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

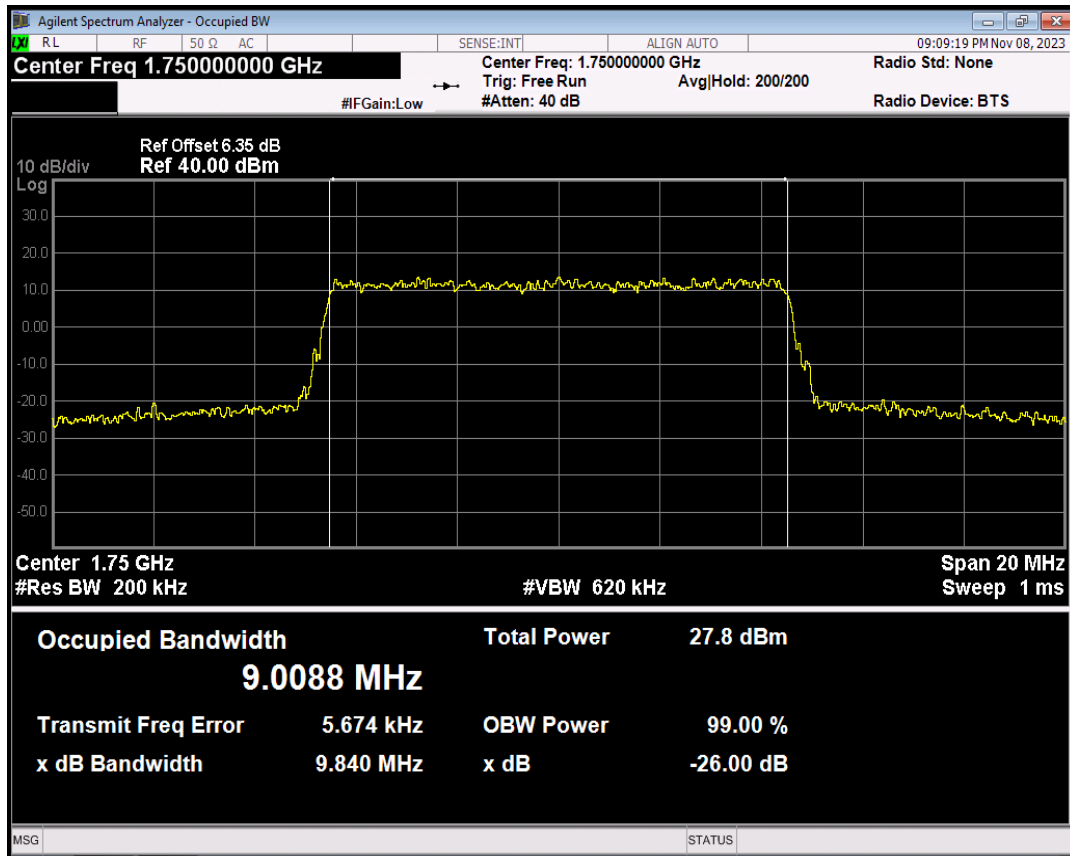


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0

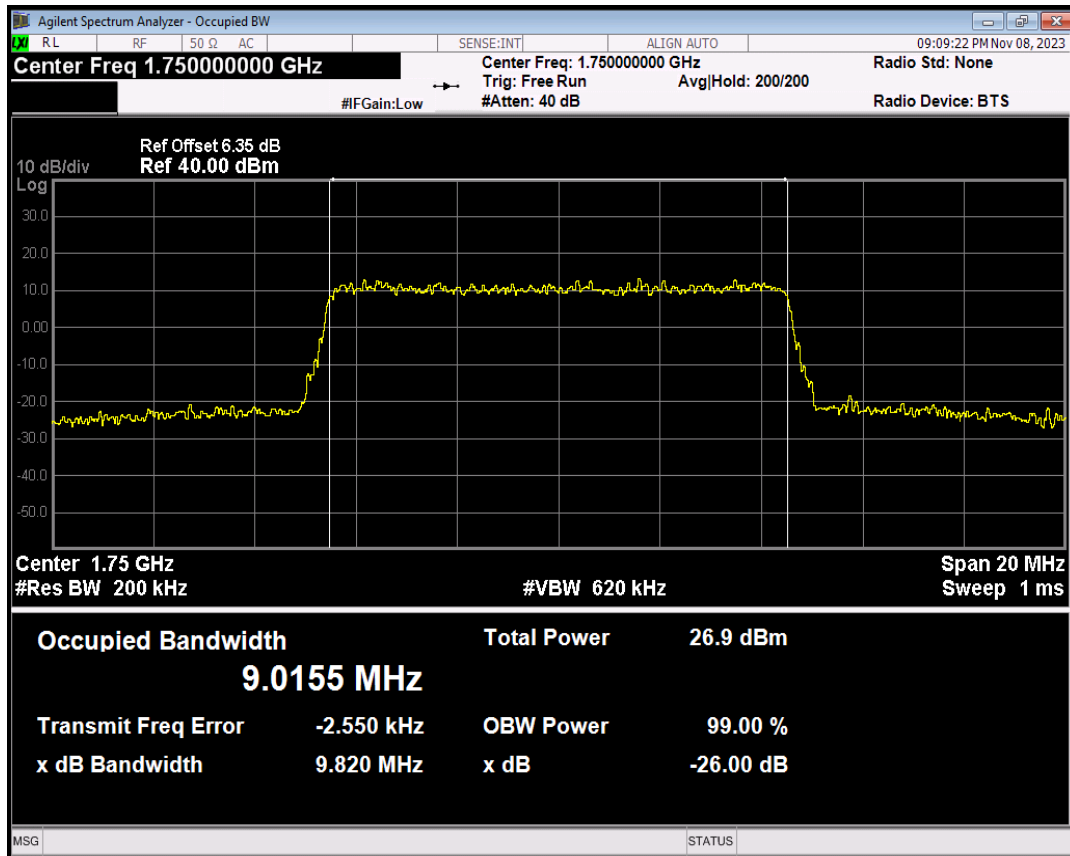




Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

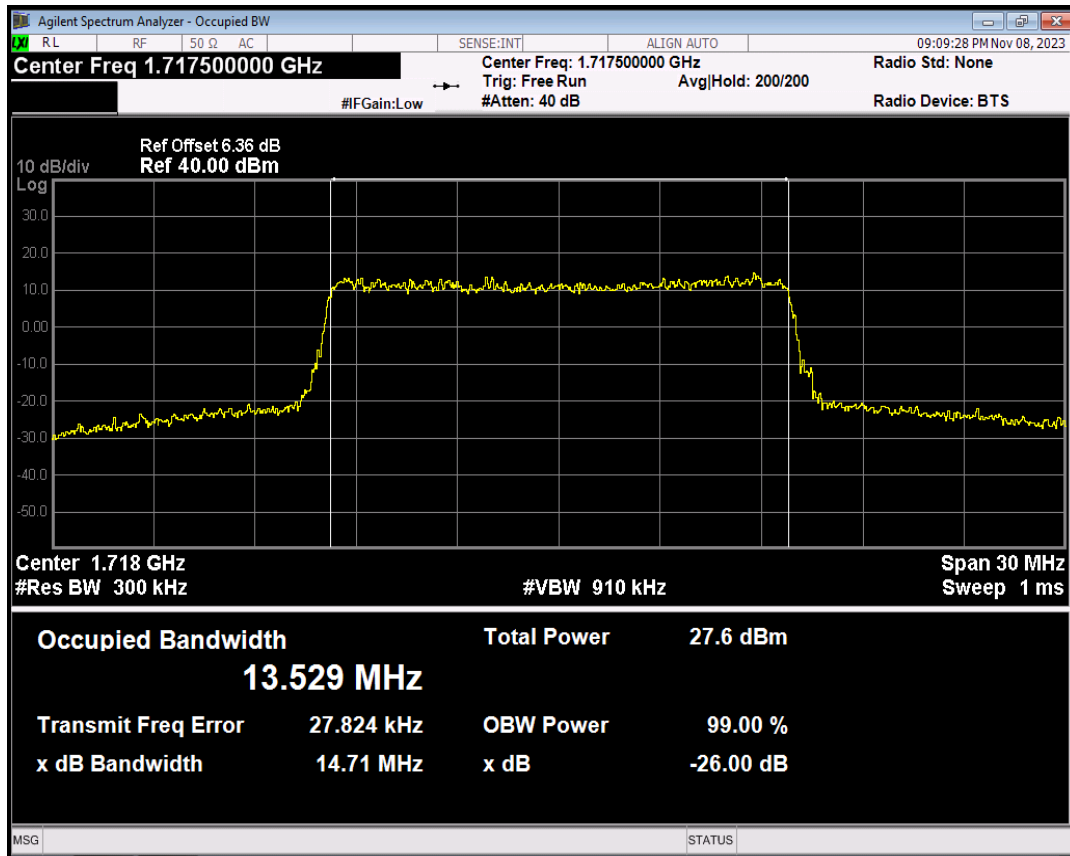


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

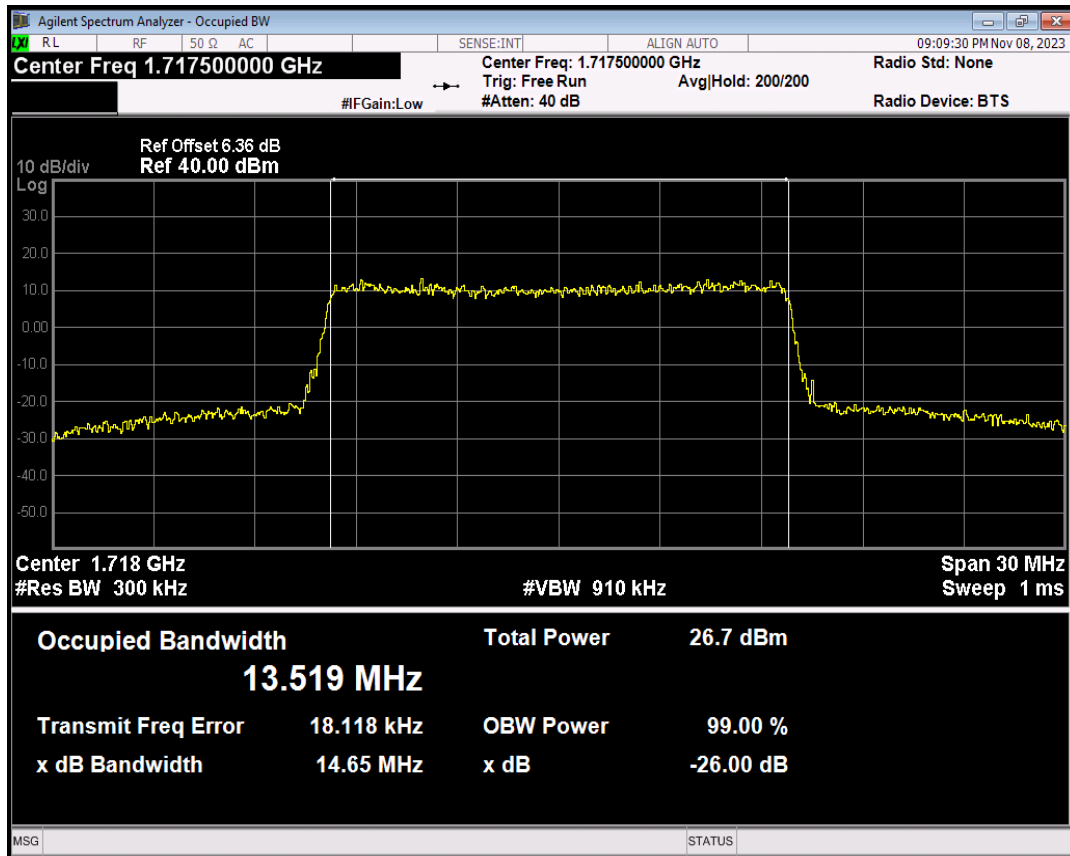




Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

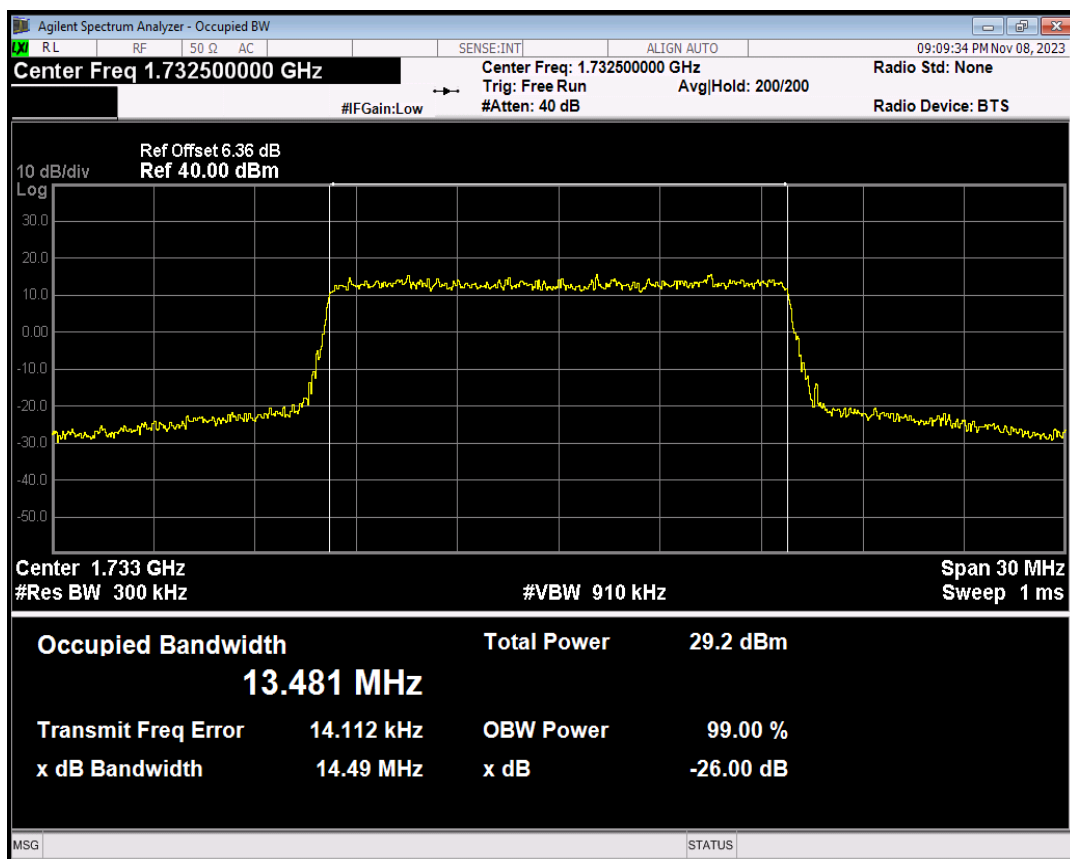


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0

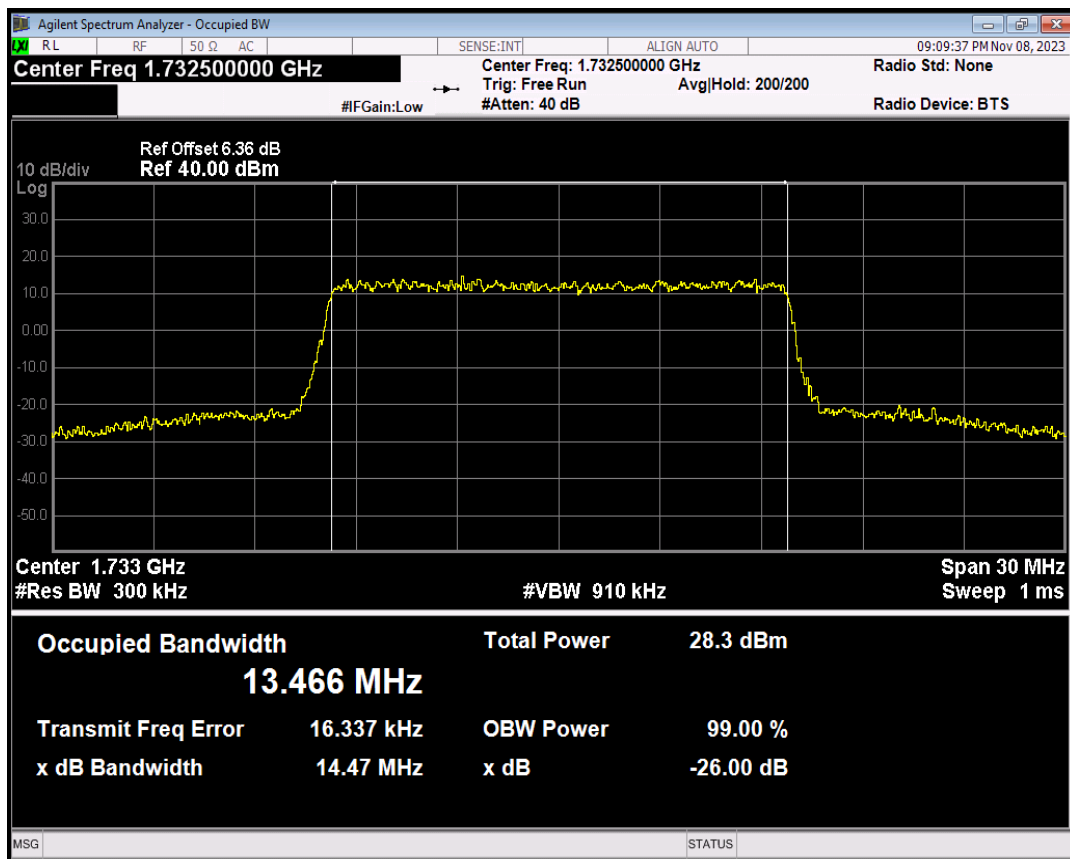




Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

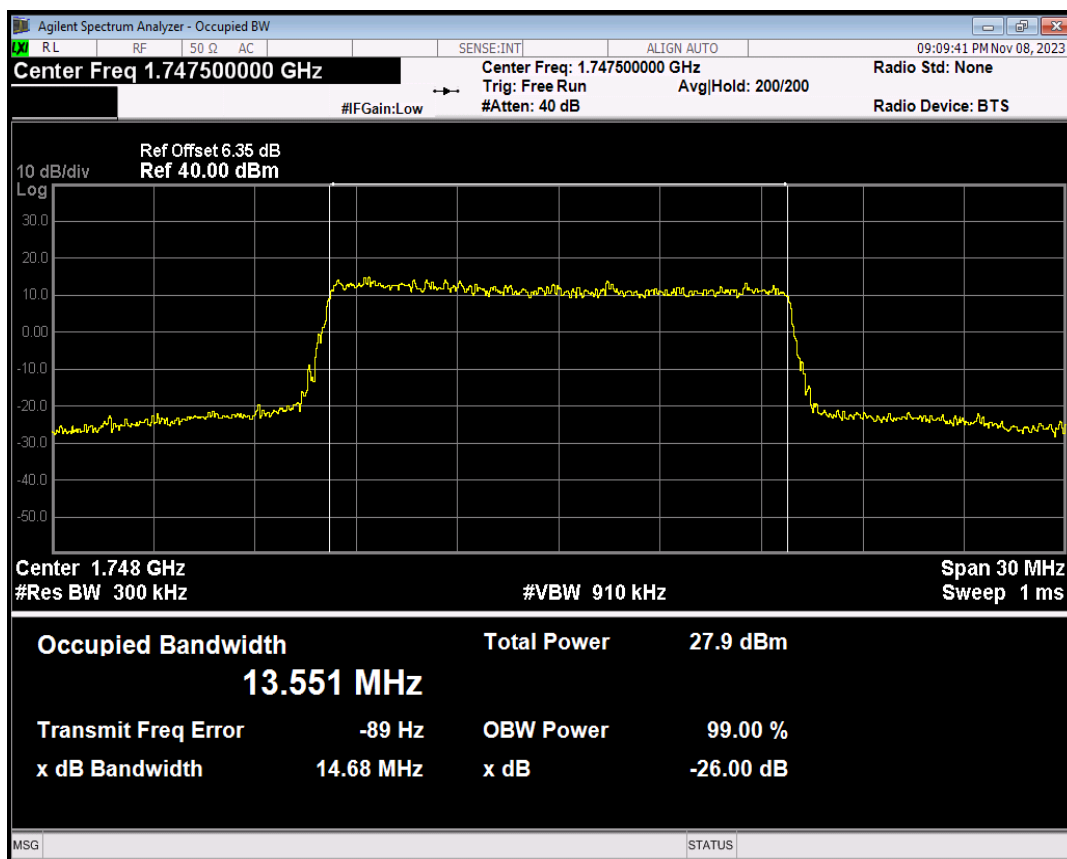


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0

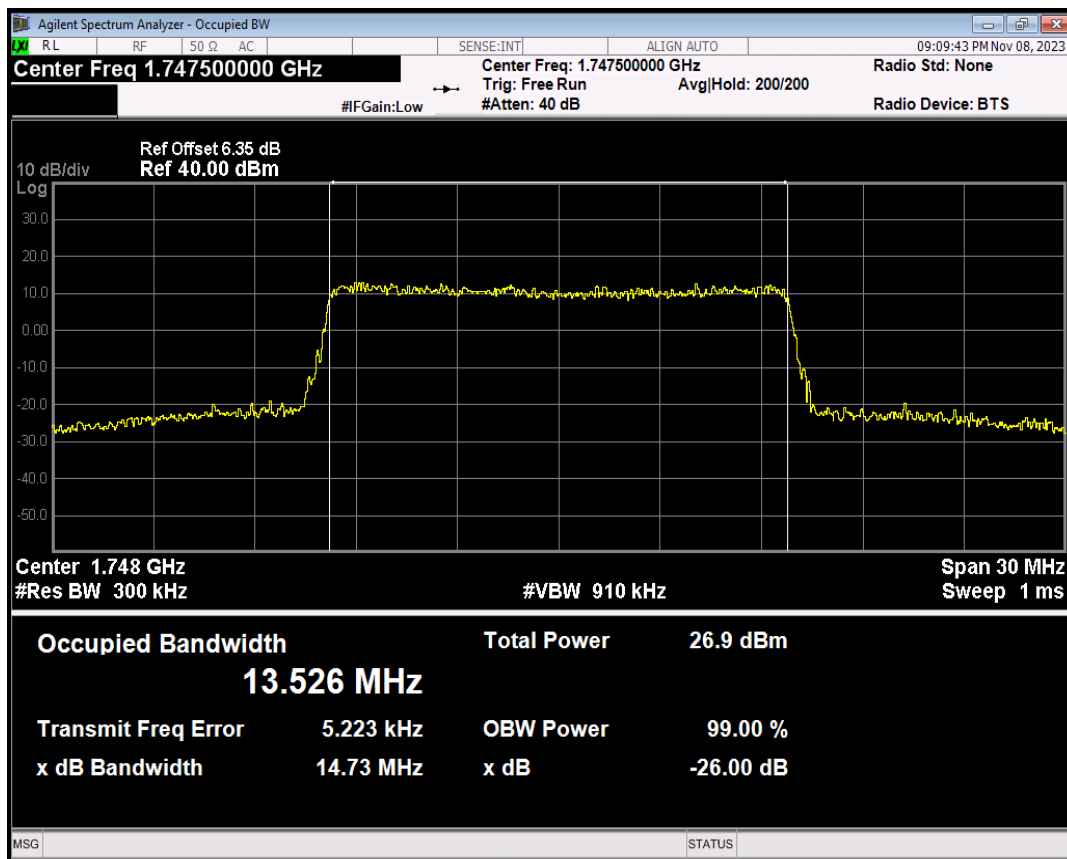




Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

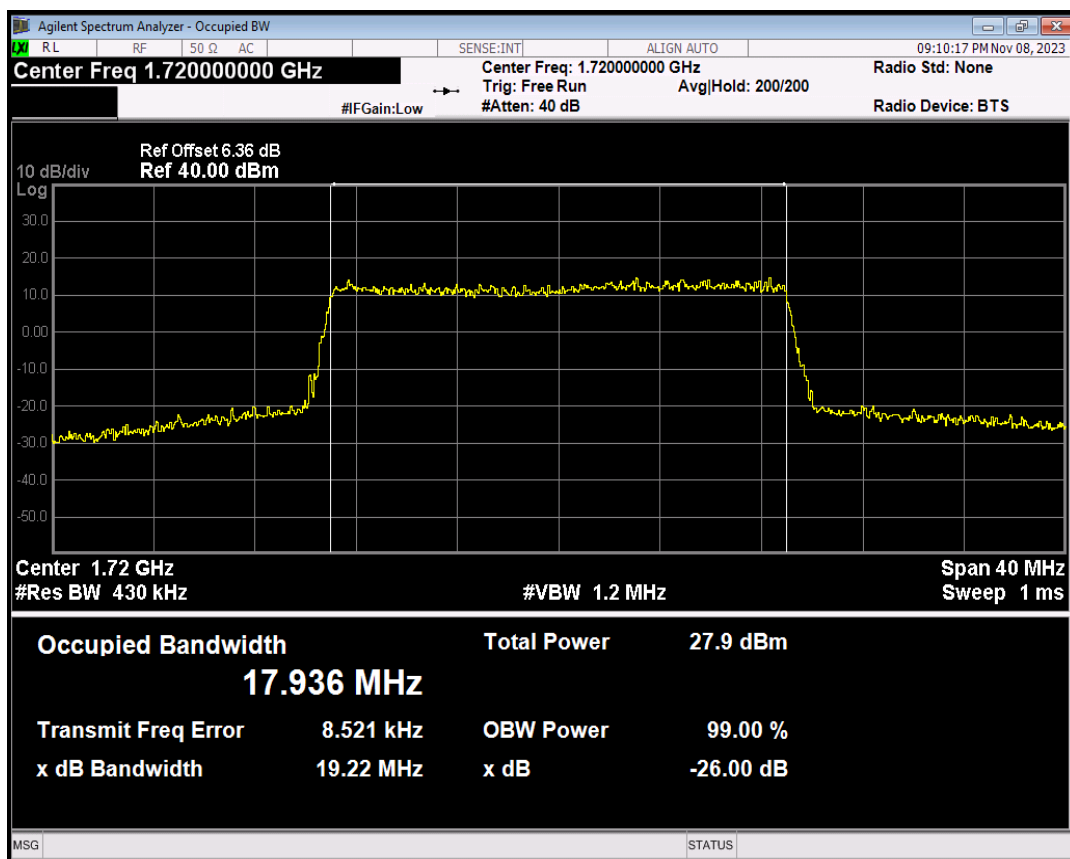


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

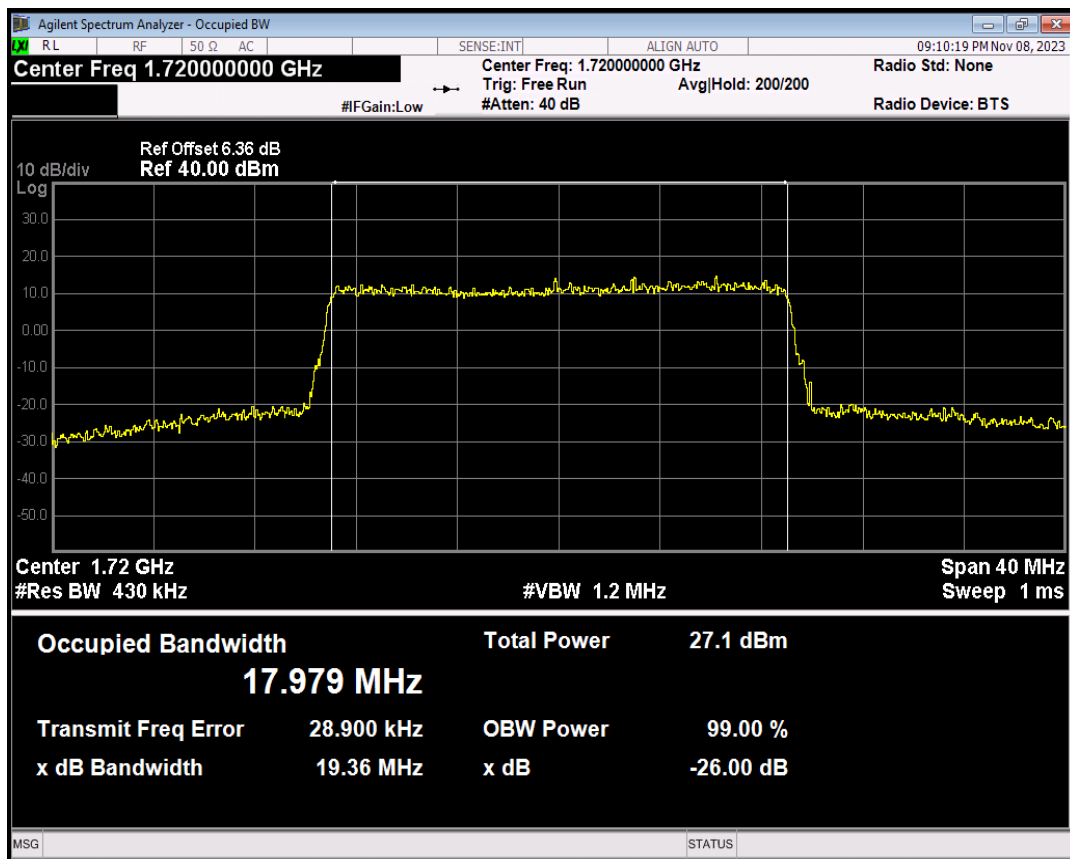




Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

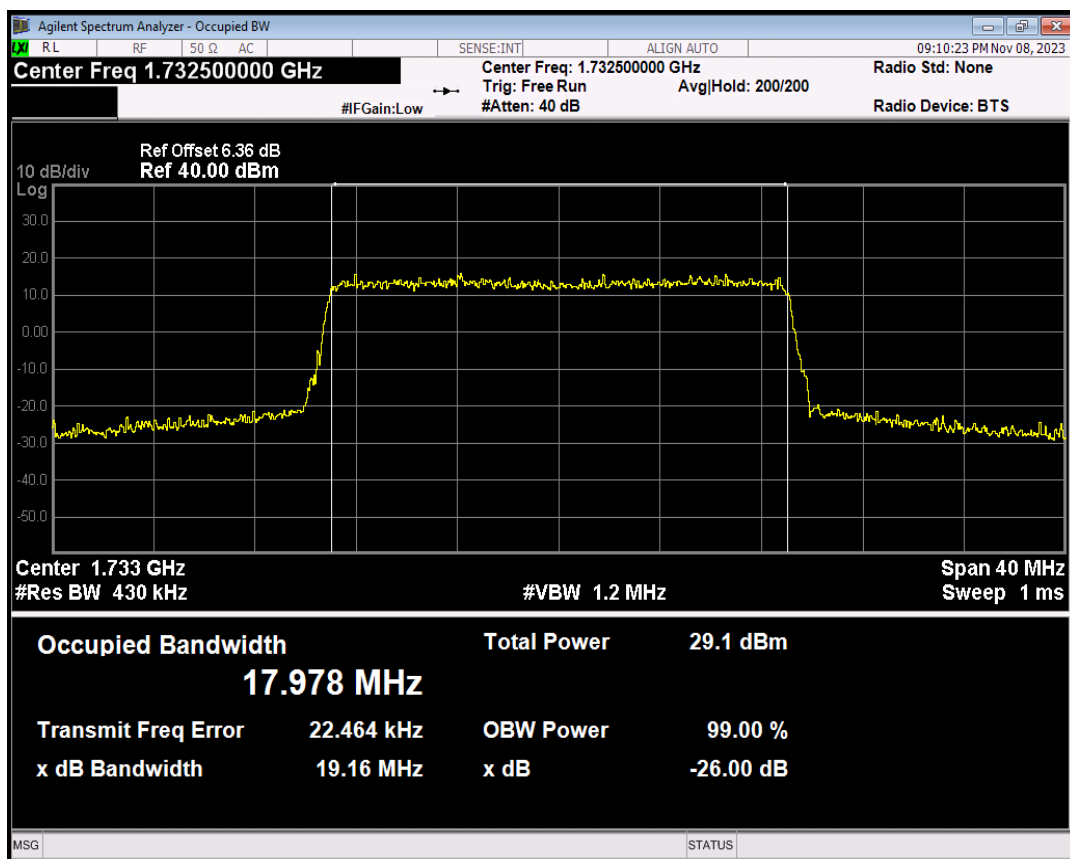


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

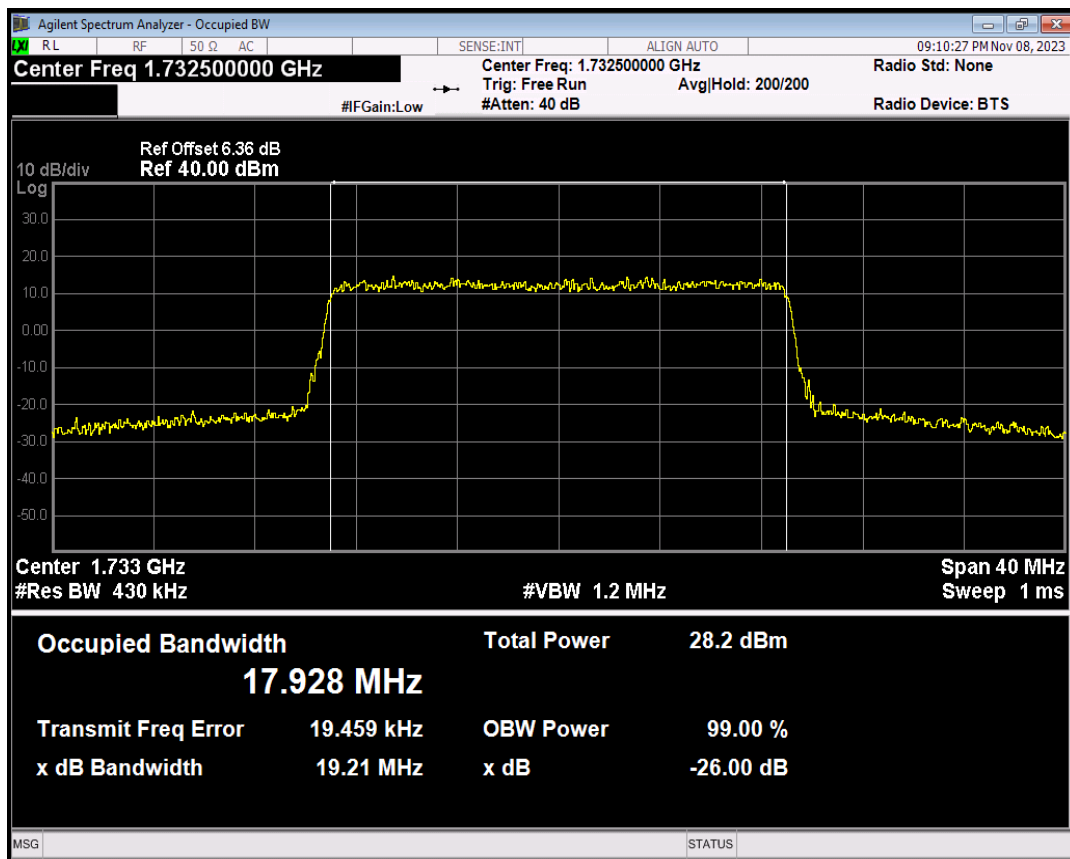




Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

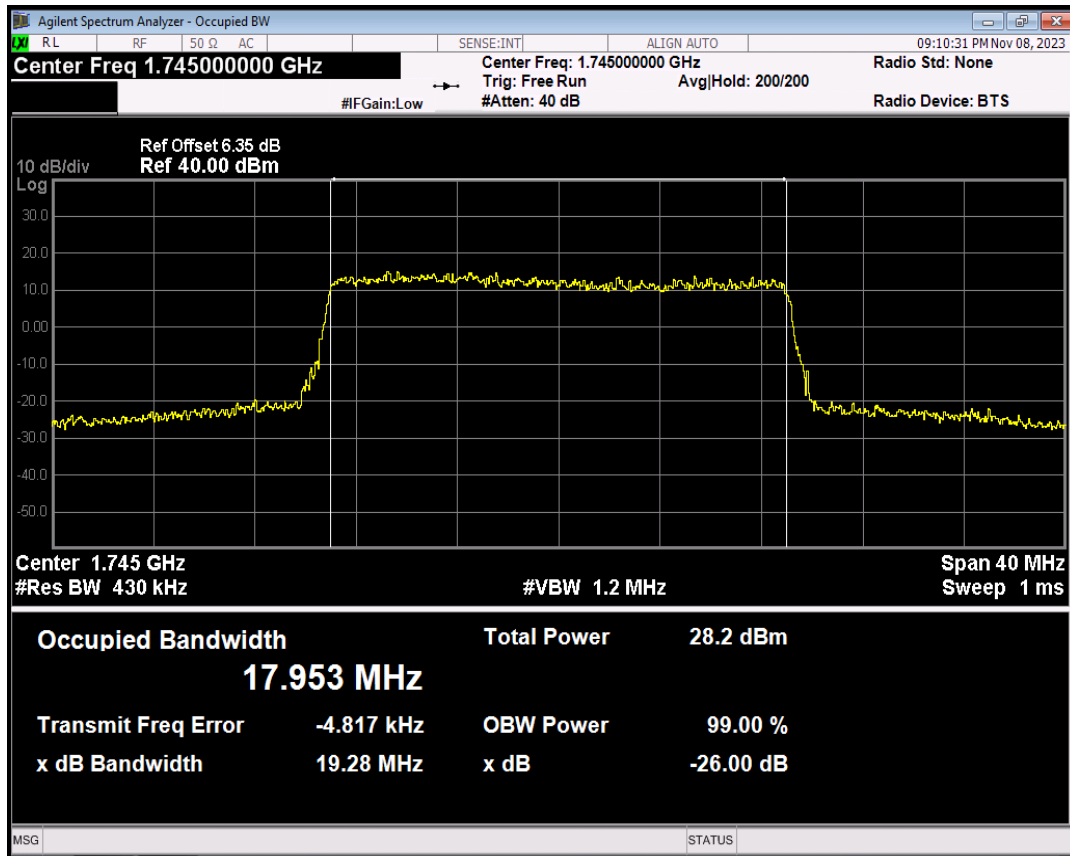


Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0

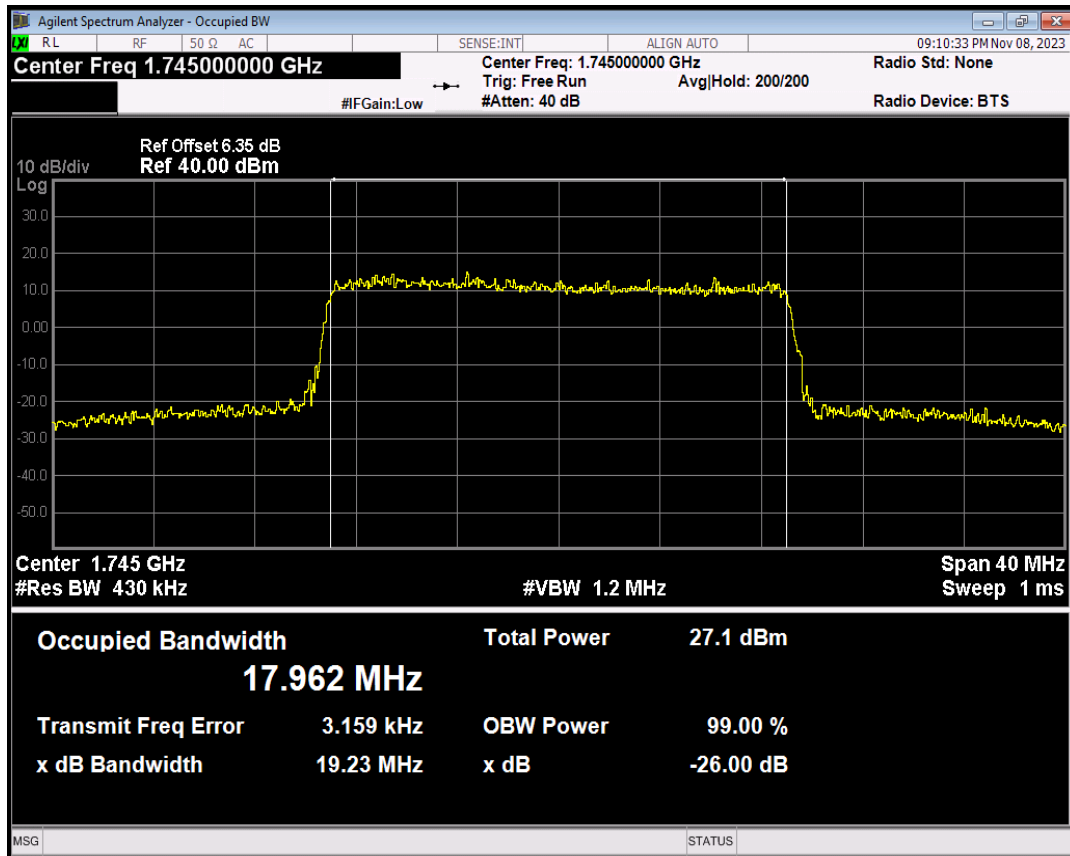




Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



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

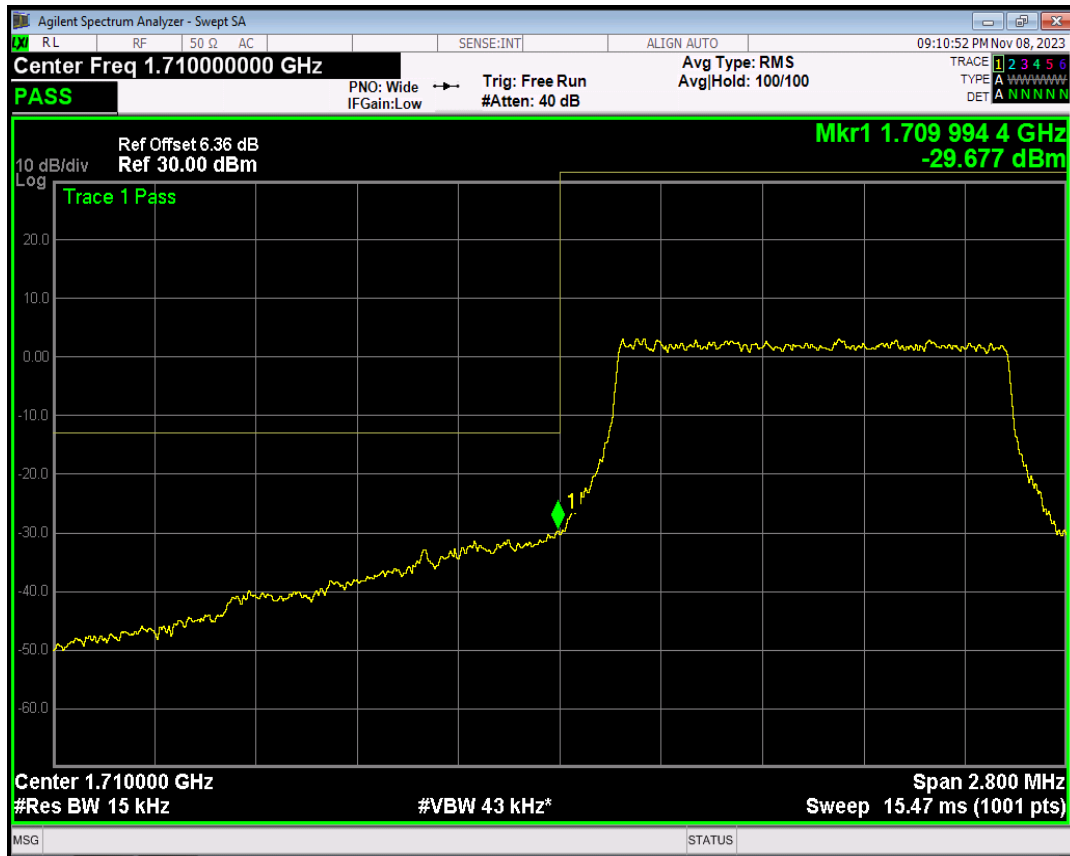


Appendix 5. Band edge

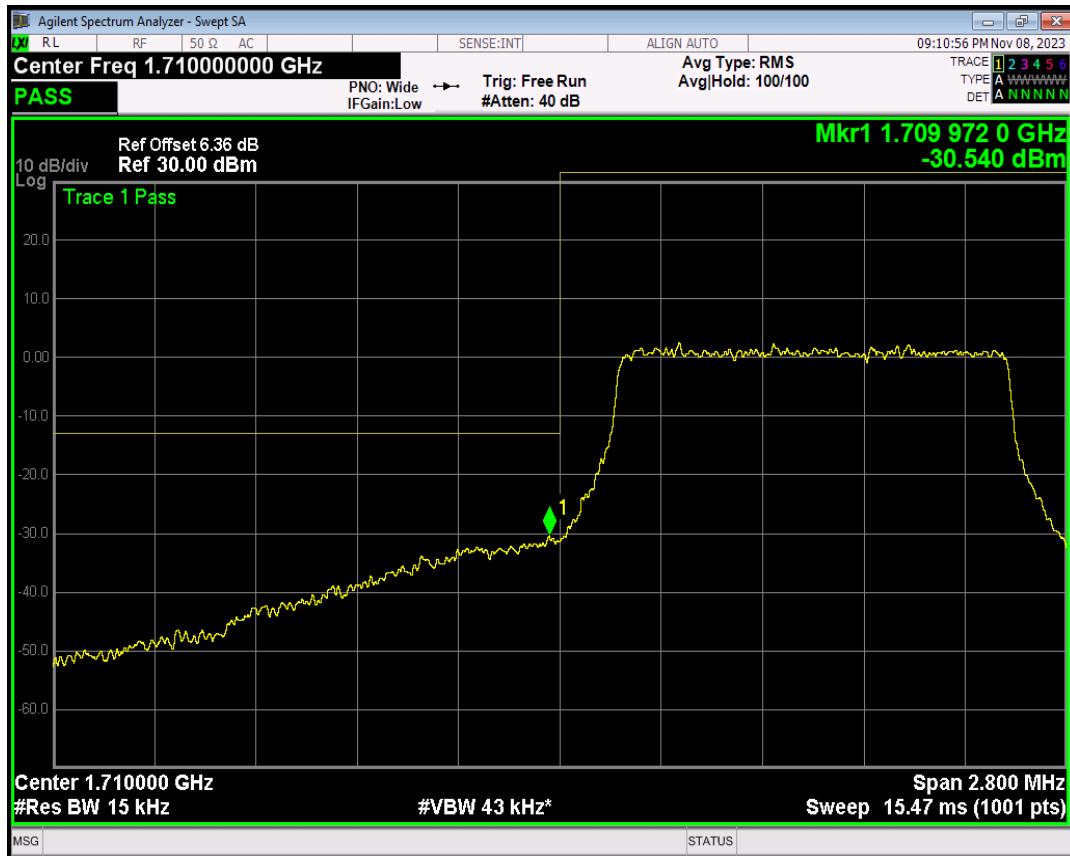
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1709.99	-29.67	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.97	-30.53	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-29.90	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-30.44	-13	PASS
Band4	3	19965	15	#0	QPSK	1709.99	-30.65	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-30.37	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-29.26	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-31.18	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-29.94	-13	PASS
Band4	5	19975	25	#0	16QAM	1709.95	-30.32	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-29.46	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.01	-30.05	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-30.95	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-31.54	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.14	-31.13	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.08	-31.83	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.70	-31.24	-13	PASS
Band4	15	20025	75	#0	16QAM	1710.00	-31.73	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.03	-31.26	-13	PASS
Band4	15	20325	75	#0	16QAM	1756.05	-32.63	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.88	-31.34	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.92	-32.28	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.16	-32.15	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.00	-33.33	-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

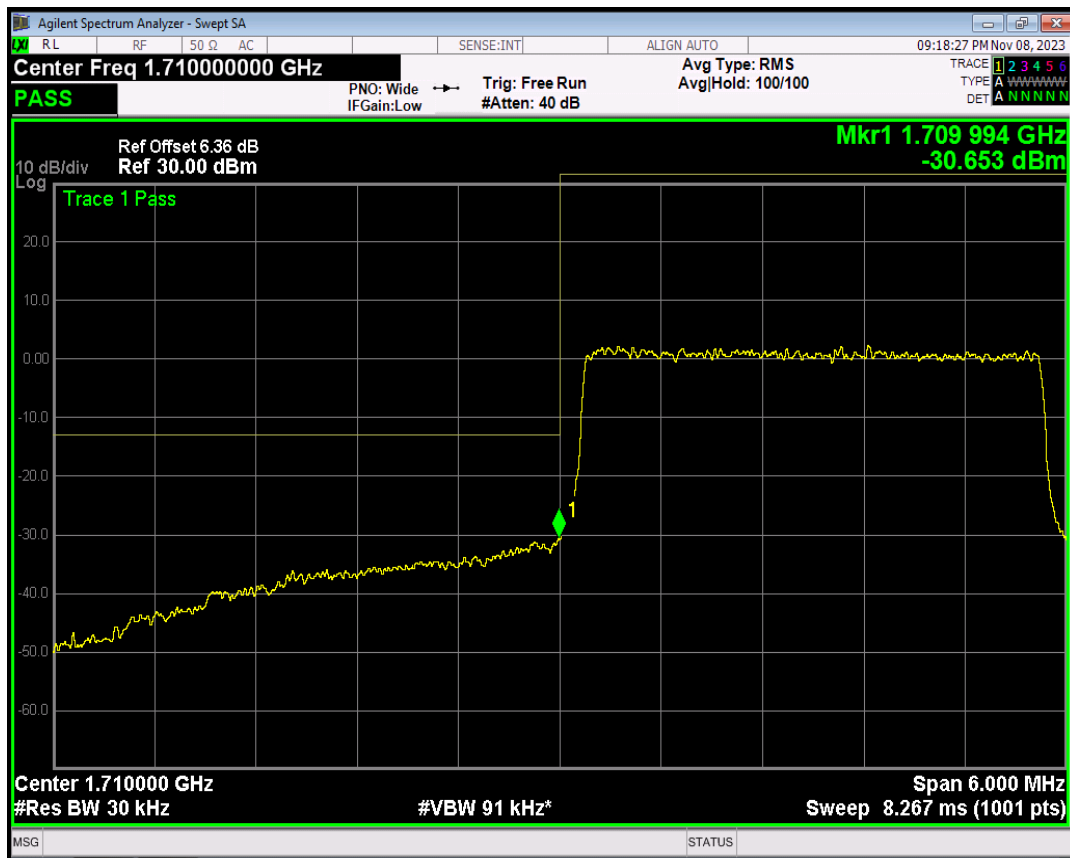


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

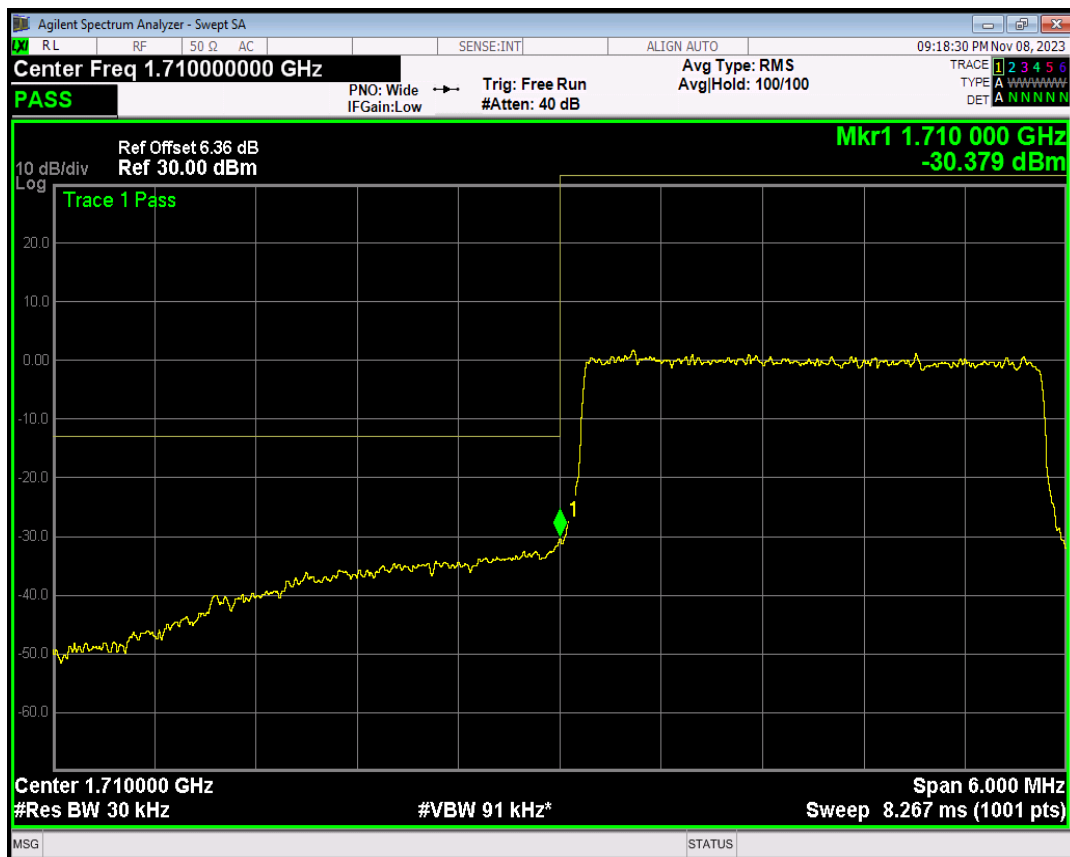




Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

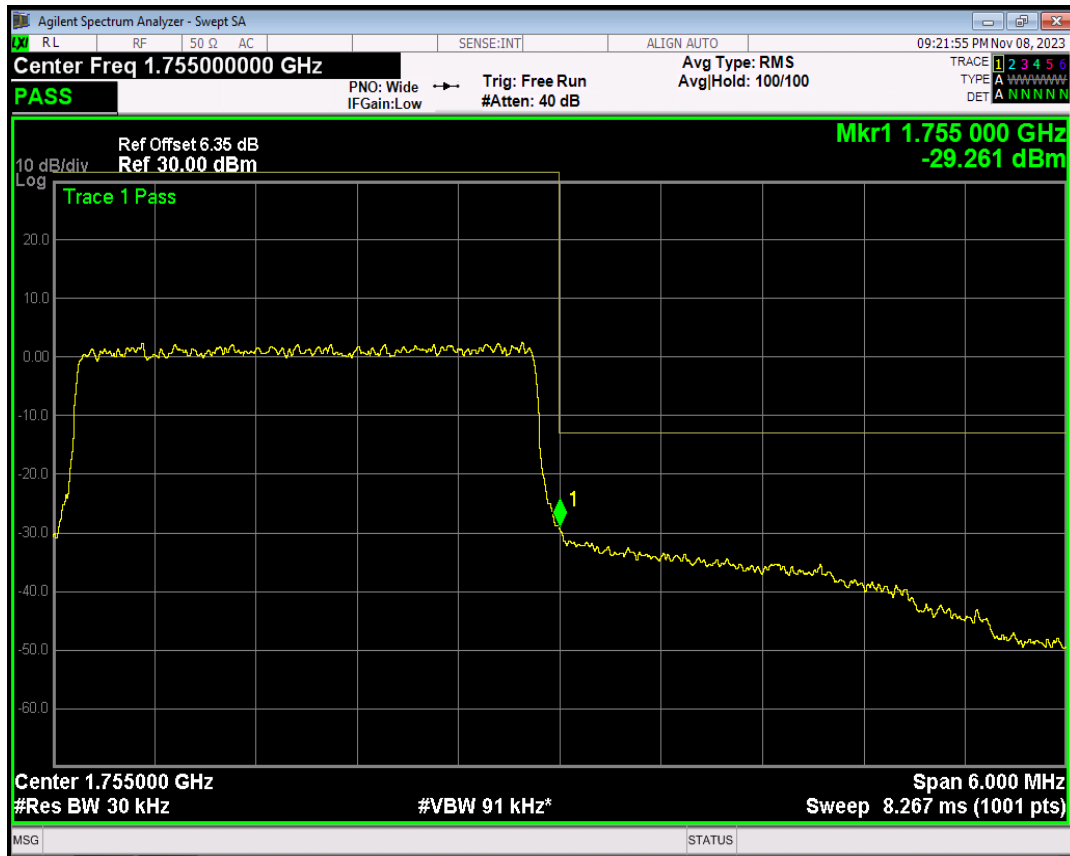


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0





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

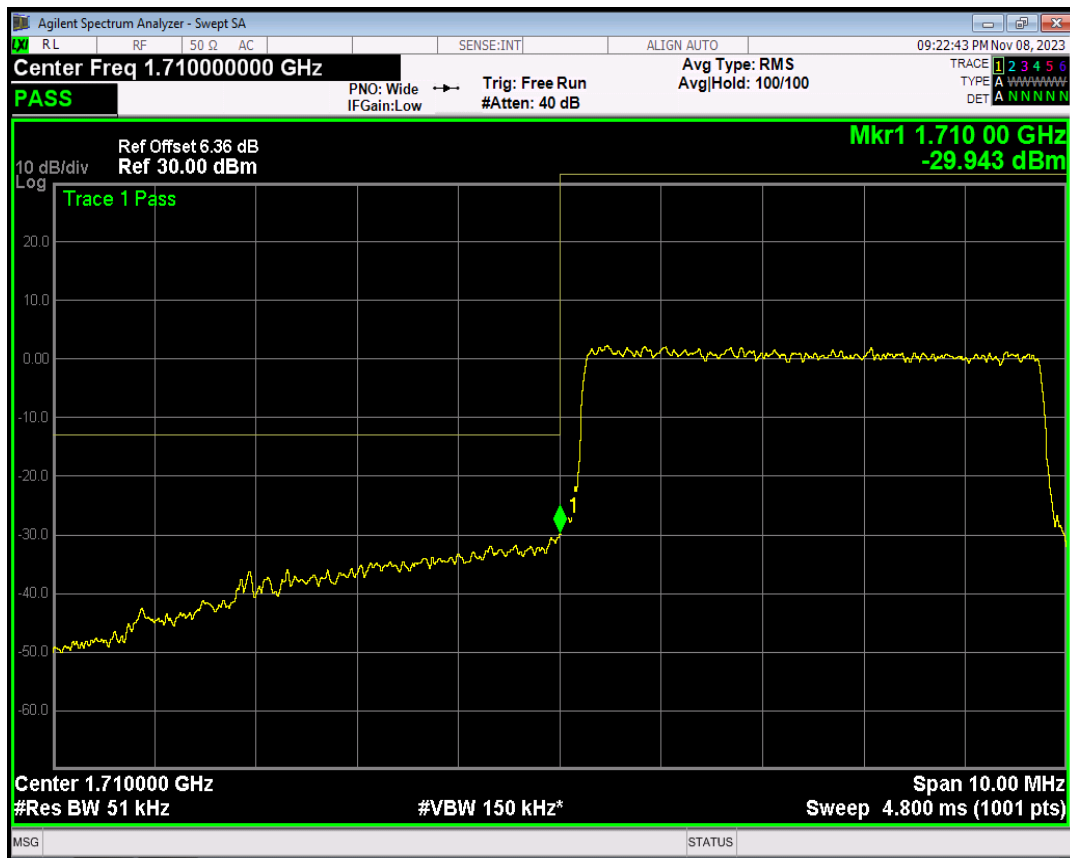


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

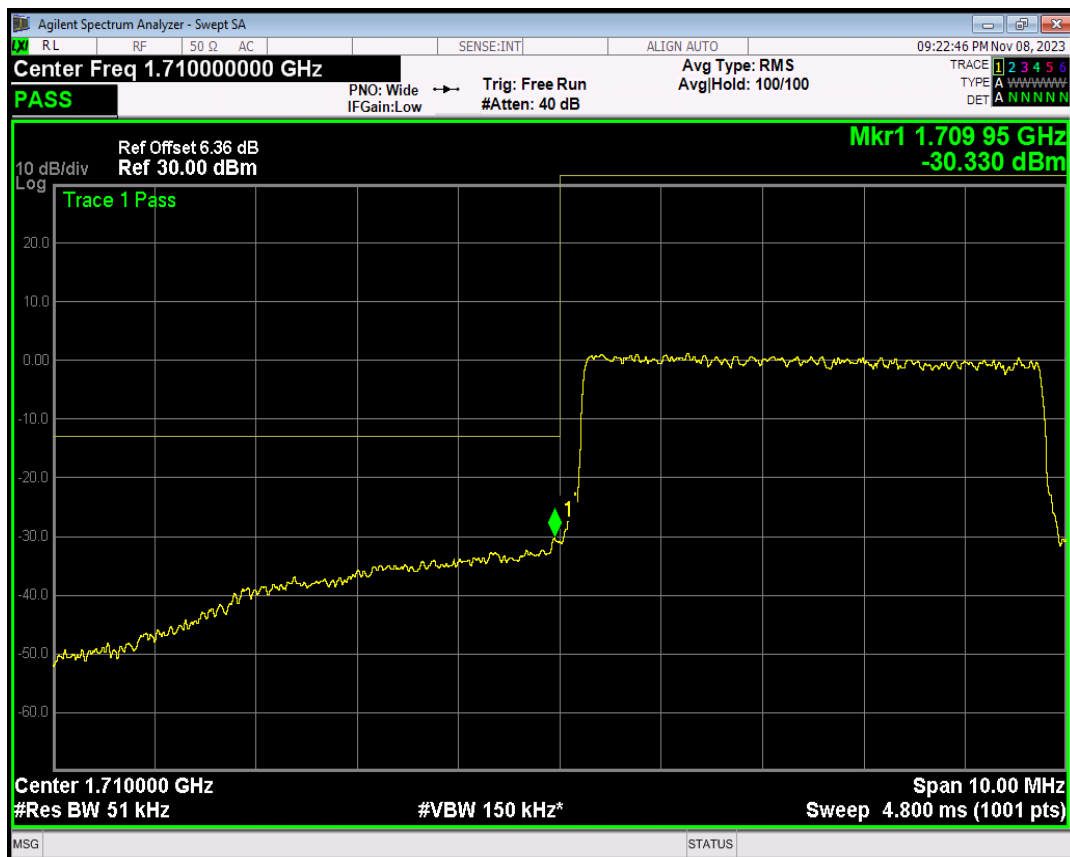




Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



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





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

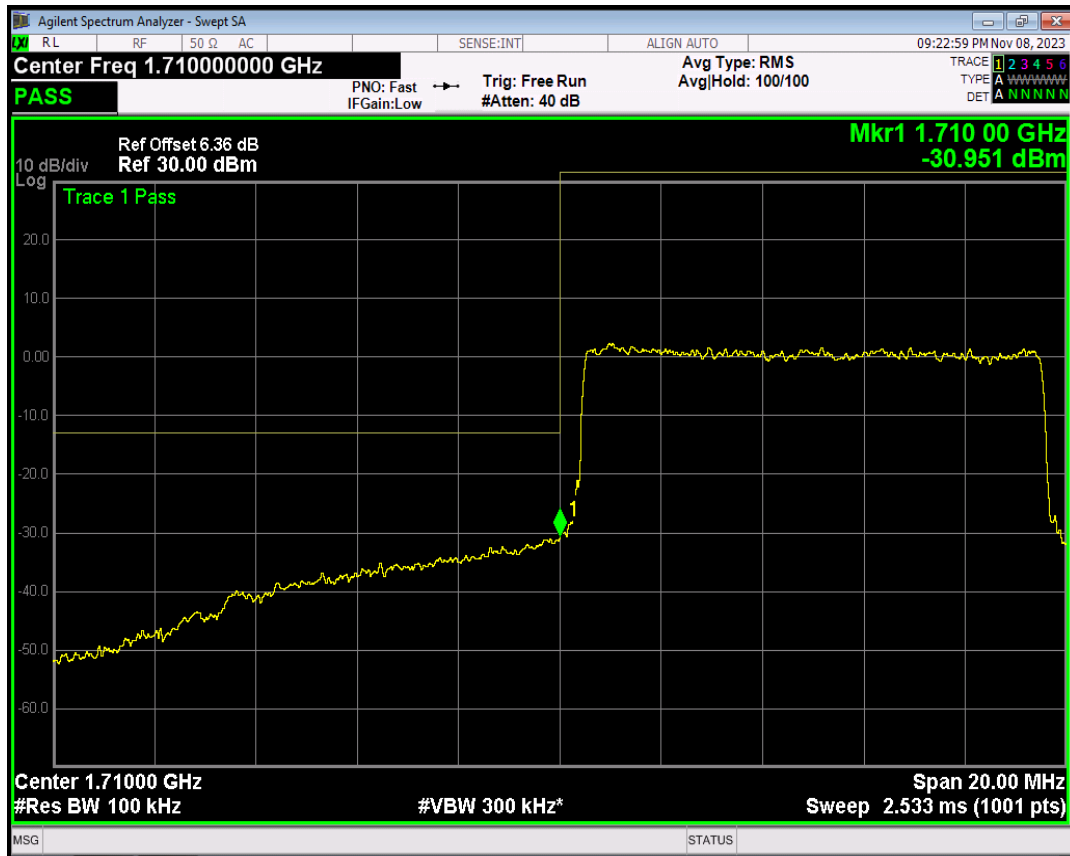


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

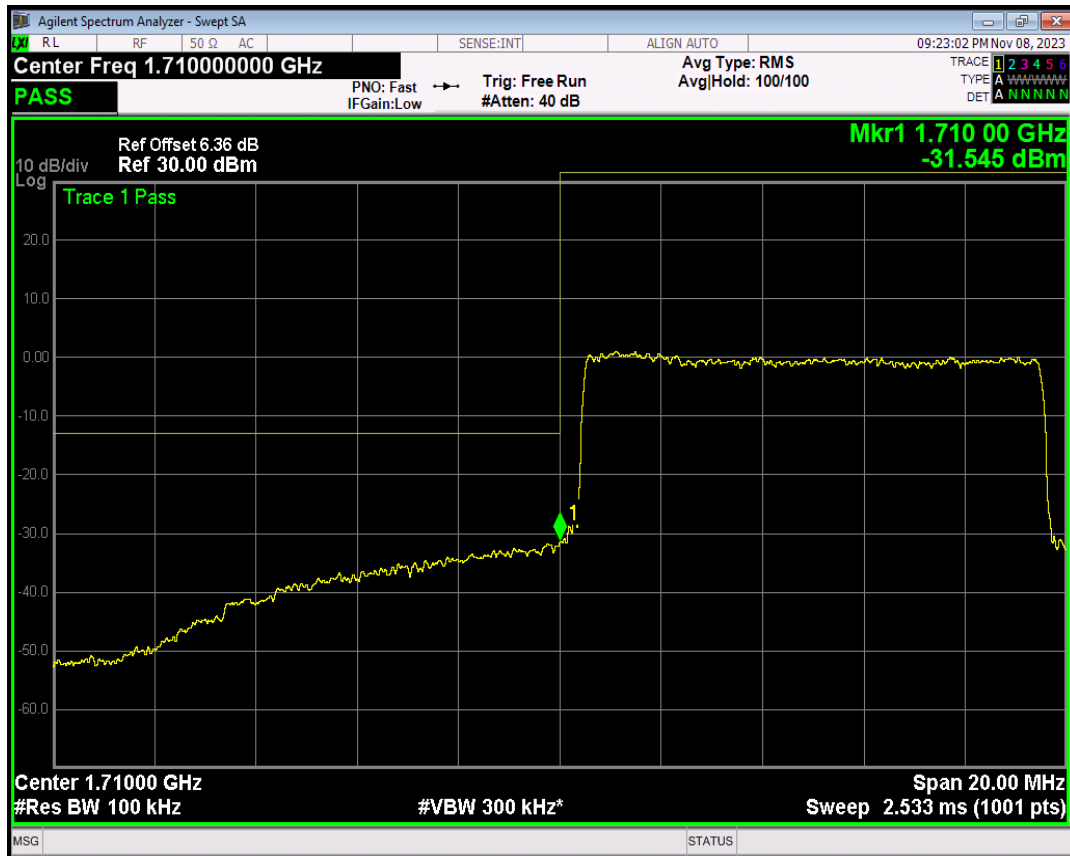




Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



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

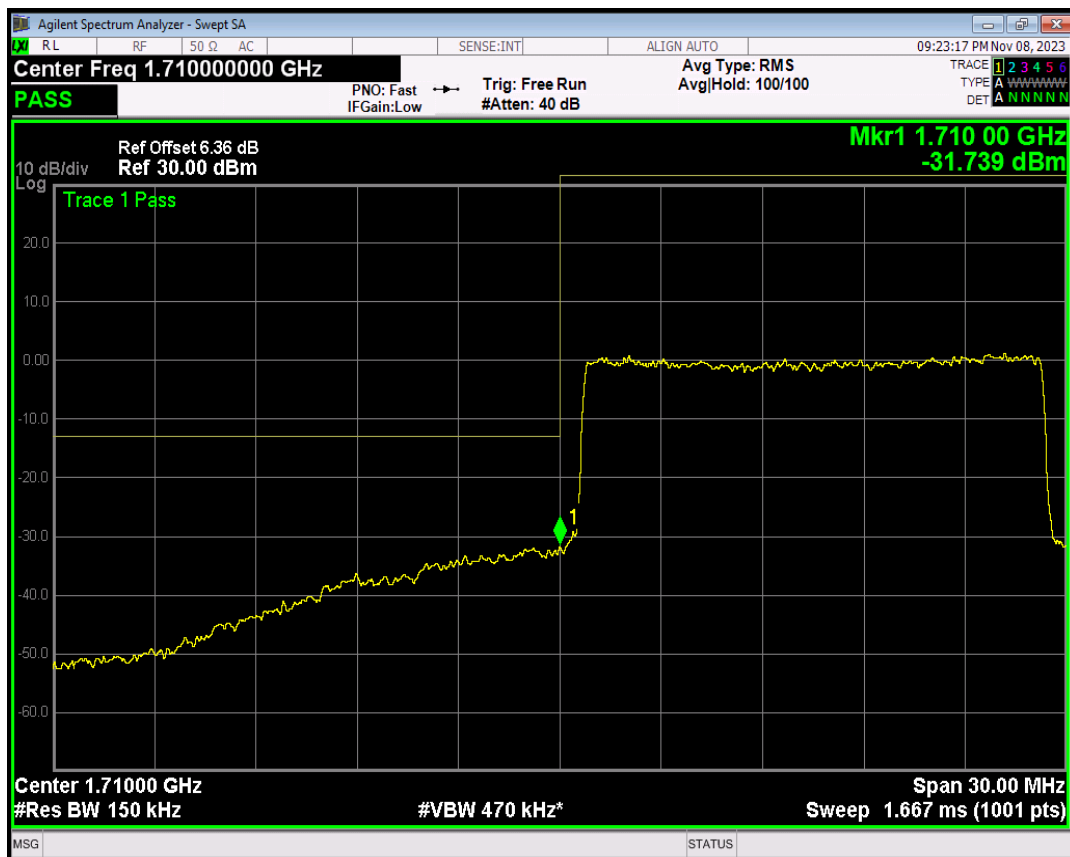




Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



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





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

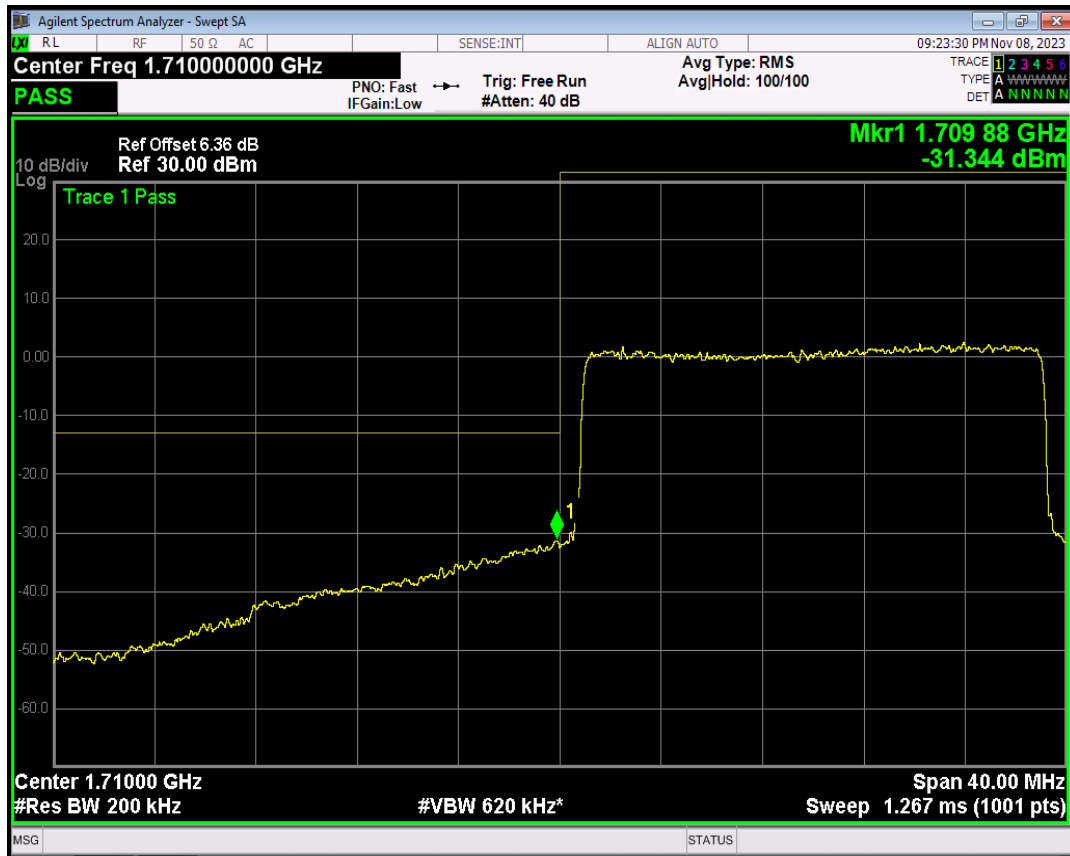


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

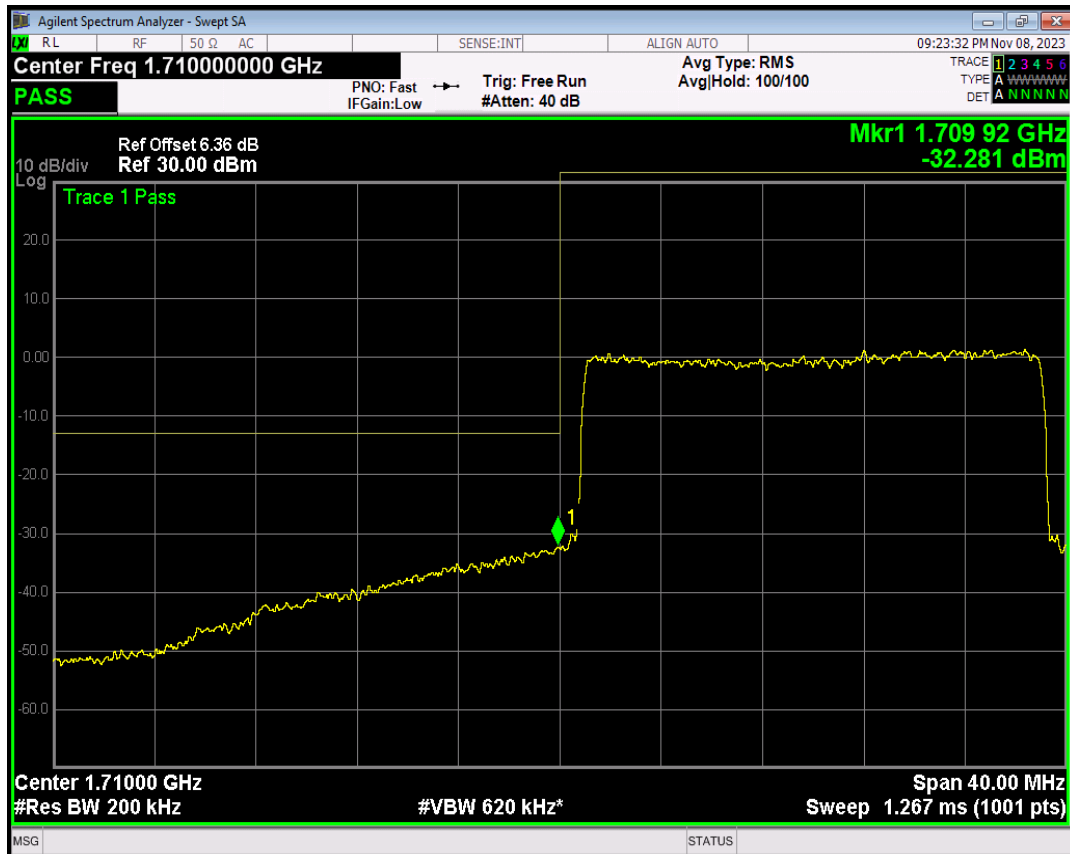




Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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

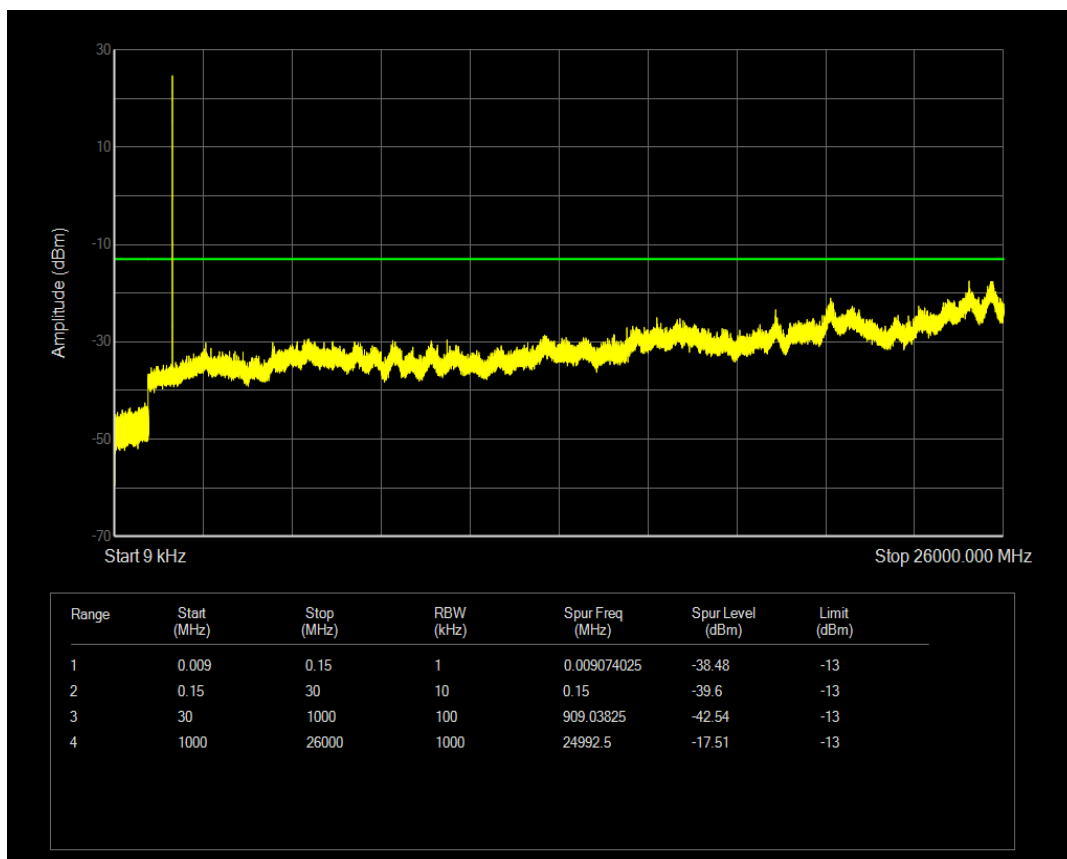


Appendix 6. Out-of-band emissions

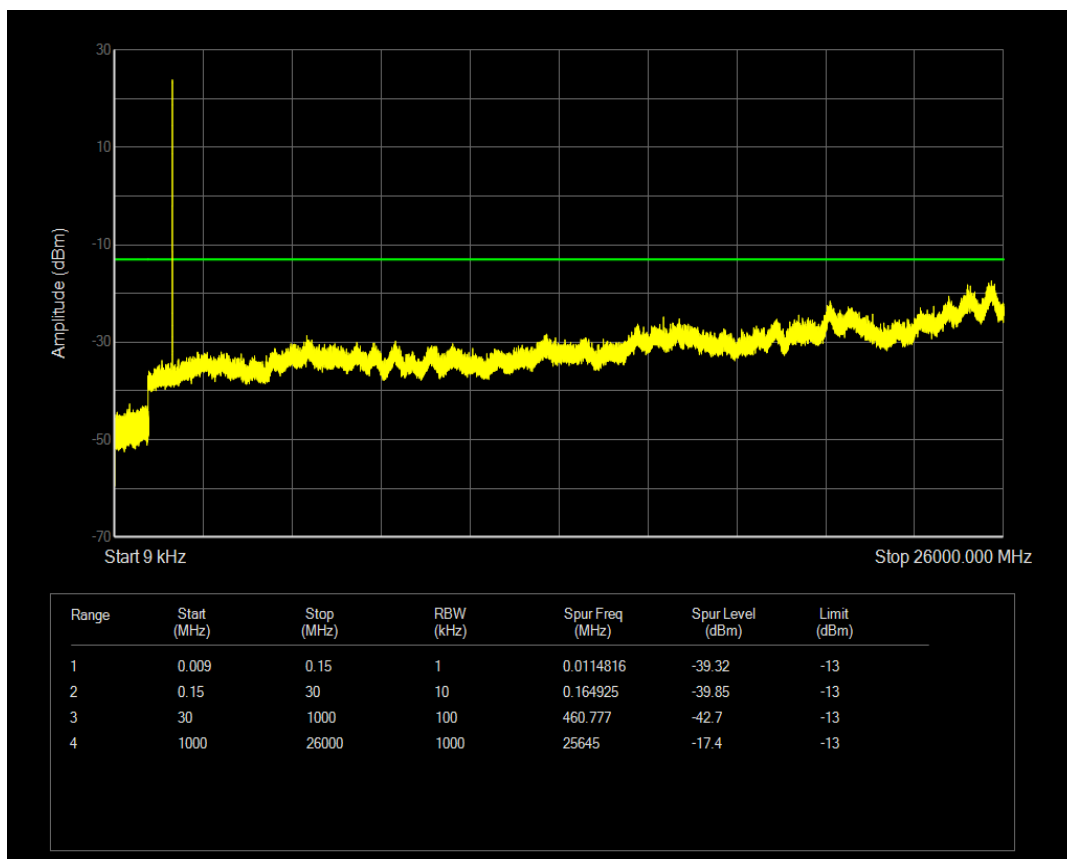
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	24992.50	-17.51	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25645.00	-17.40	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25613.13	-17.56	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25651.88	-17.56	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25591.25	-17.61	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25656.88	-17.31	-13	PASS
Band4	3	19965	15	#0	QPSK	25620.63	-17.54	-13	PASS
Band4	3	19965	15	#0	16QAM	25585.00	-17.77	-13	PASS
Band4	3	20175	15	#0	QPSK	25623.13	-17.19	-13	PASS
Band4	3	20175	15	#0	16QAM	25610.63	-17.67	-13	PASS
Band4	3	20385	15	#0	QPSK	25645.63	-17.57	-13	PASS
Band4	3	20385	15	#0	16QAM	25598.75	-17.94	-13	PASS
Band4	5	19975	25	#0	QPSK	25099.38	-17.97	-13	PASS
Band4	5	19975	25	#0	16QAM	25648.13	-17.69	-13	PASS
Band4	5	20175	25	#0	QPSK	25621.88	-17.56	-13	PASS
Band4	5	20175	25	#0	16QAM	25636.88	-17.23	-13	PASS
Band4	5	20375	25	#0	QPSK	25570.00	-16.68	-13	PASS
Band4	5	20375	25	#0	16QAM	25622.50	-17.49	-13	PASS
Band4	10	20000	50	#0	QPSK	25644.38	-17.40	-13	PASS
Band4	10	20000	50	#0	16QAM	25673.75	-17.70	-13	PASS
Band4	10	20175	50	#0	QPSK	25643.13	-17.83	-13	PASS
Band4	10	20175	50	#0	16QAM	25627.50	-17.89	-13	PASS
Band4	10	20350	50	#0	QPSK	25628.13	-17.50	-13	PASS
Band4	10	20350	50	#0	16QAM	25721.88	-17.65	-13	PASS
Band4	15	20025	75	#0	QPSK	25660.63	-17.35	-13	PASS
Band4	15	20025	75	#0	16QAM	25583.13	-17.86	-13	PASS
Band4	15	20175	75	#0	QPSK	25638.13	-16.69	-13	PASS
Band4	15	20175	75	#0	16QAM	25612.50	-17.73	-13	PASS
Band4	15	20325	75	#0	QPSK	25663.75	-17.58	-13	PASS
Band4	15	20325	75	#0	16QAM	25608.13	-16.46	-13	PASS
Band4	20	20050	100	#0	QPSK	25633.75	-17.12	-13	PASS
Band4	20	20050	100	#0	16QAM	25678.75	-16.74	-13	PASS
Band4	20	20175	100	#0	QPSK	25623.75	-16.64	-13	PASS
Band4	20	20175	100	#0	16QAM	25596.88	-17.42	-13	PASS
Band4	20	20300	100	#0	QPSK	25634.38	-18.07	-13	PASS
Band4	20	20300	100	#0	16QAM	25625.00	-17.41	-13	PASS



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

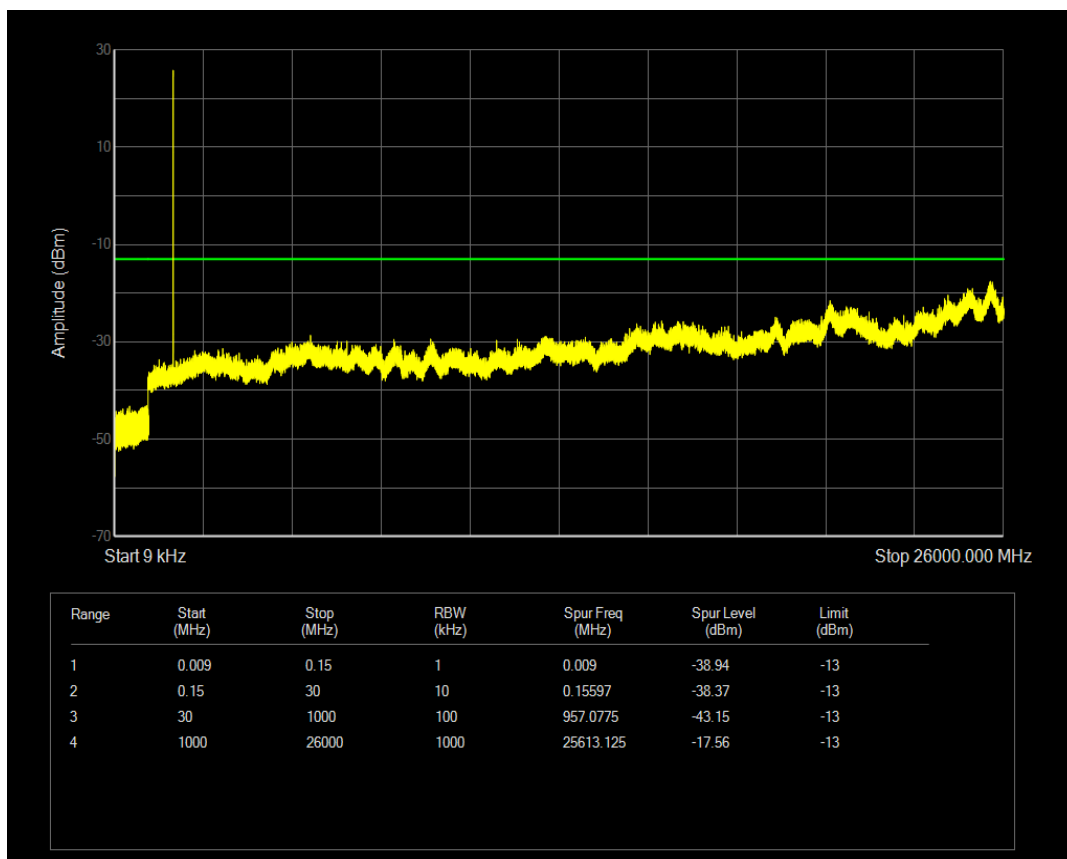


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

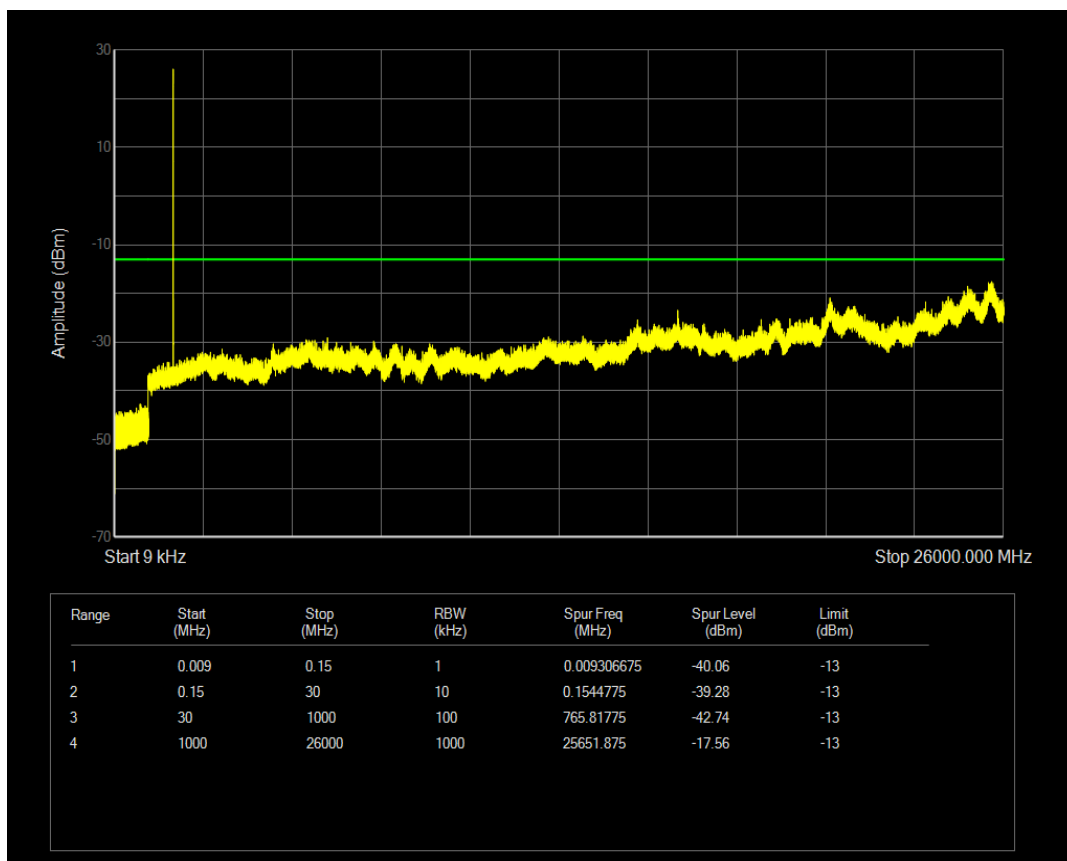




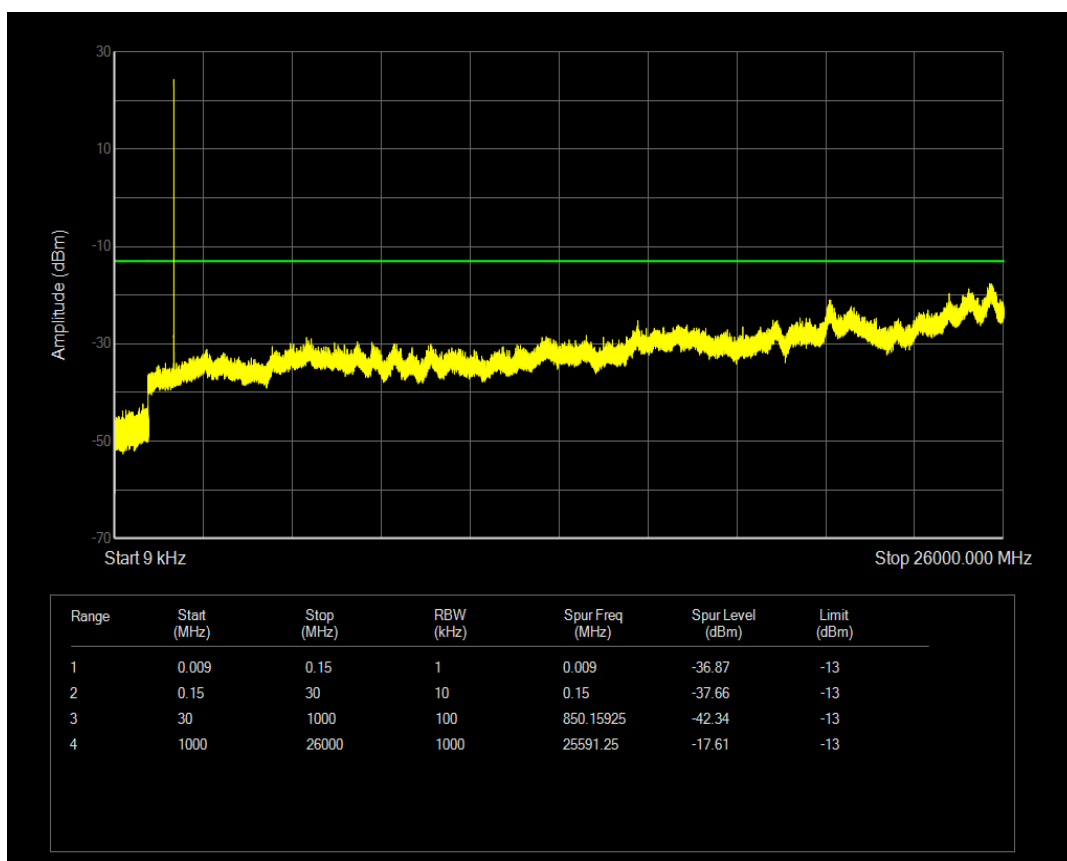
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



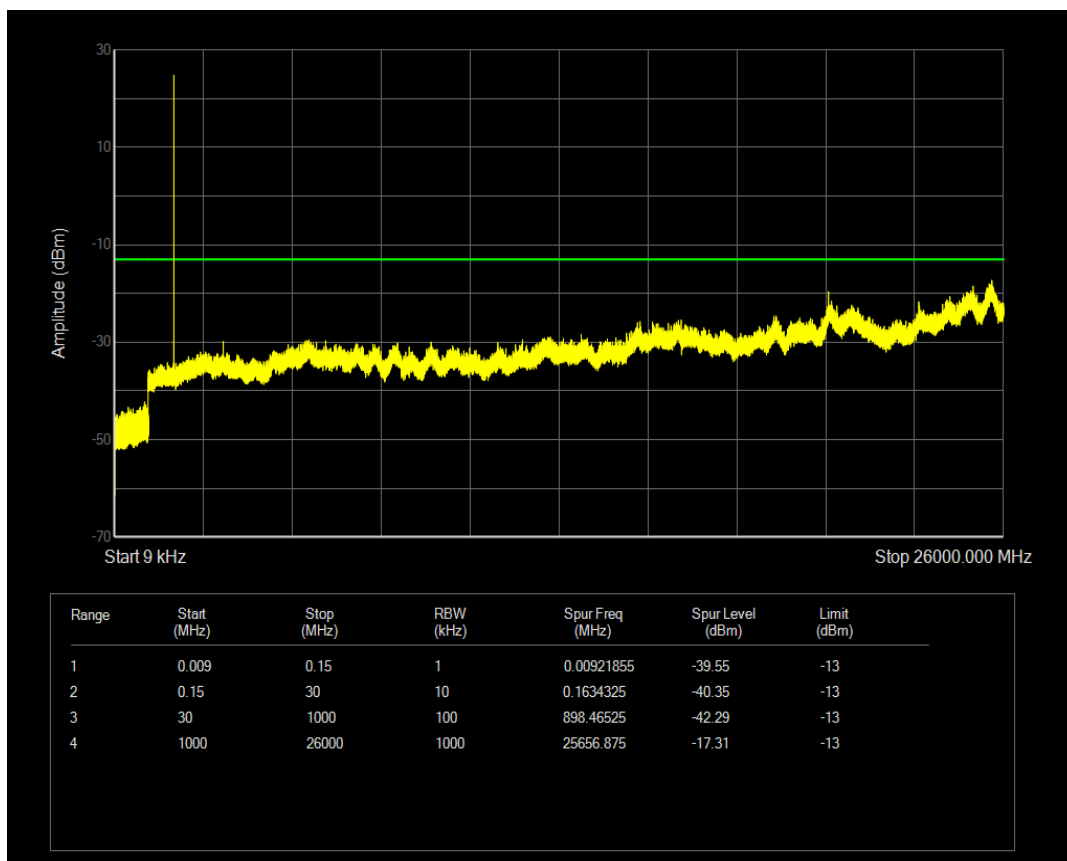
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



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

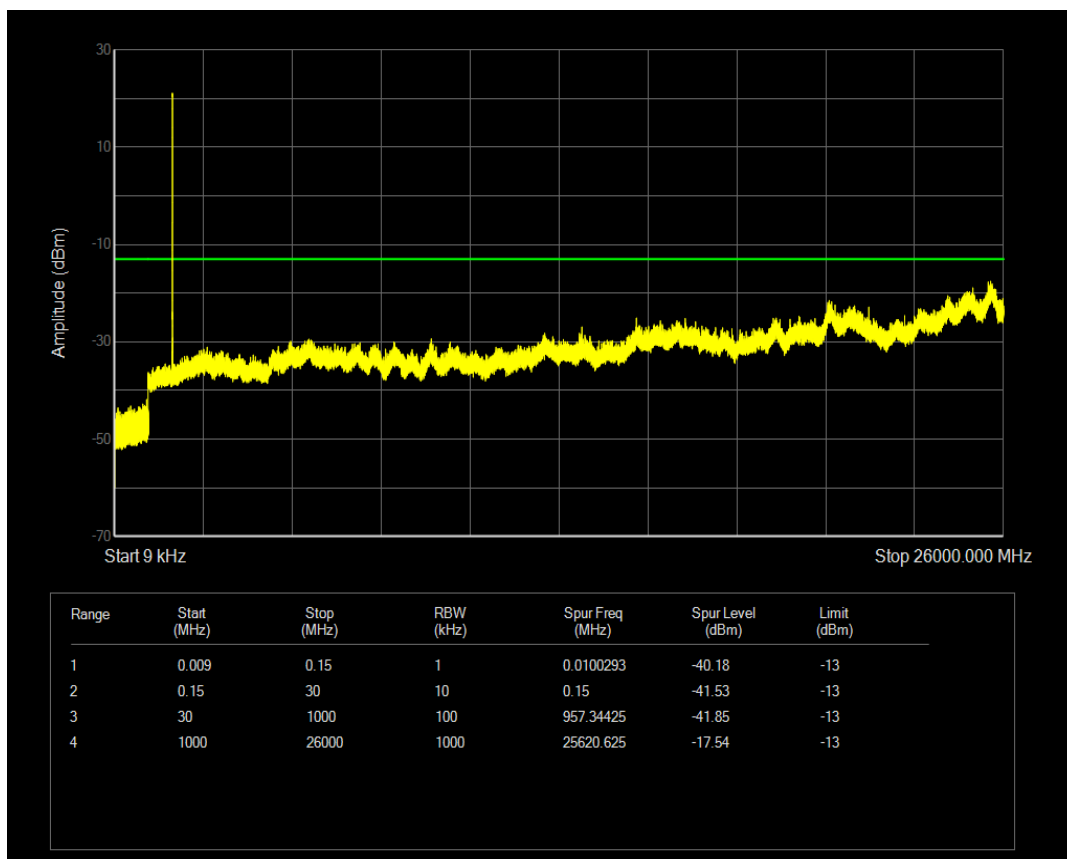


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

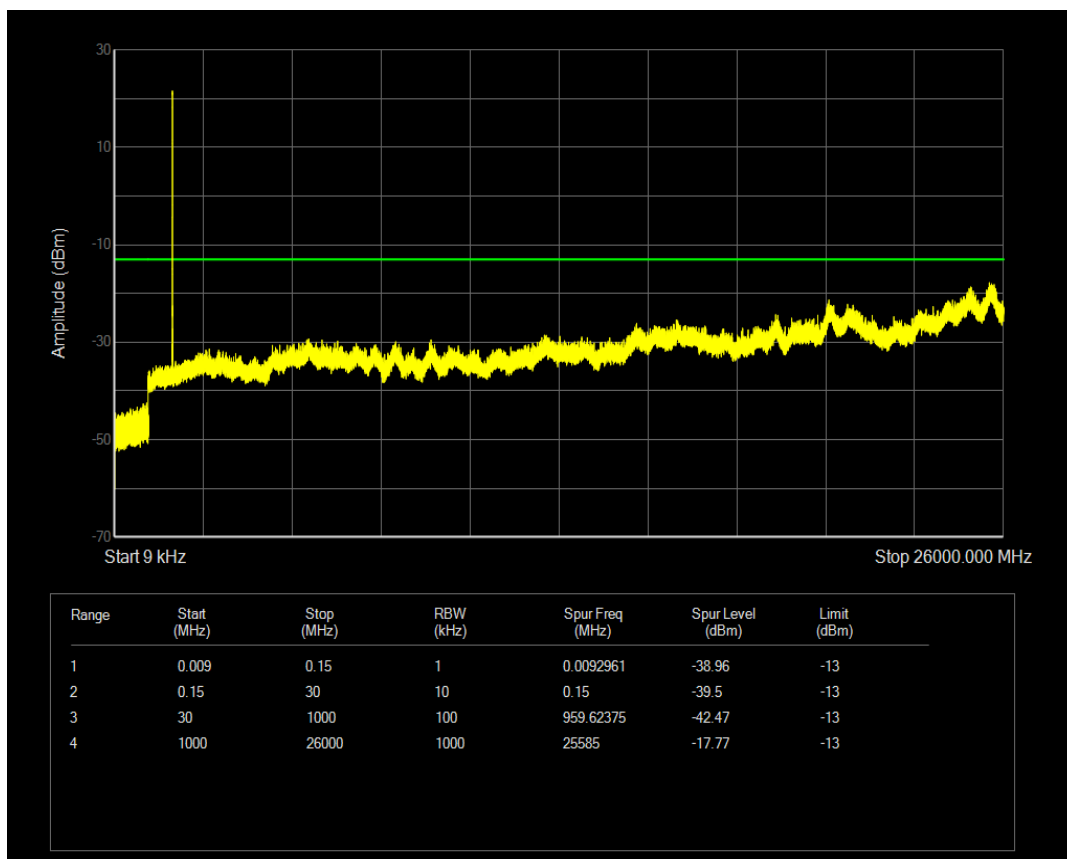




Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

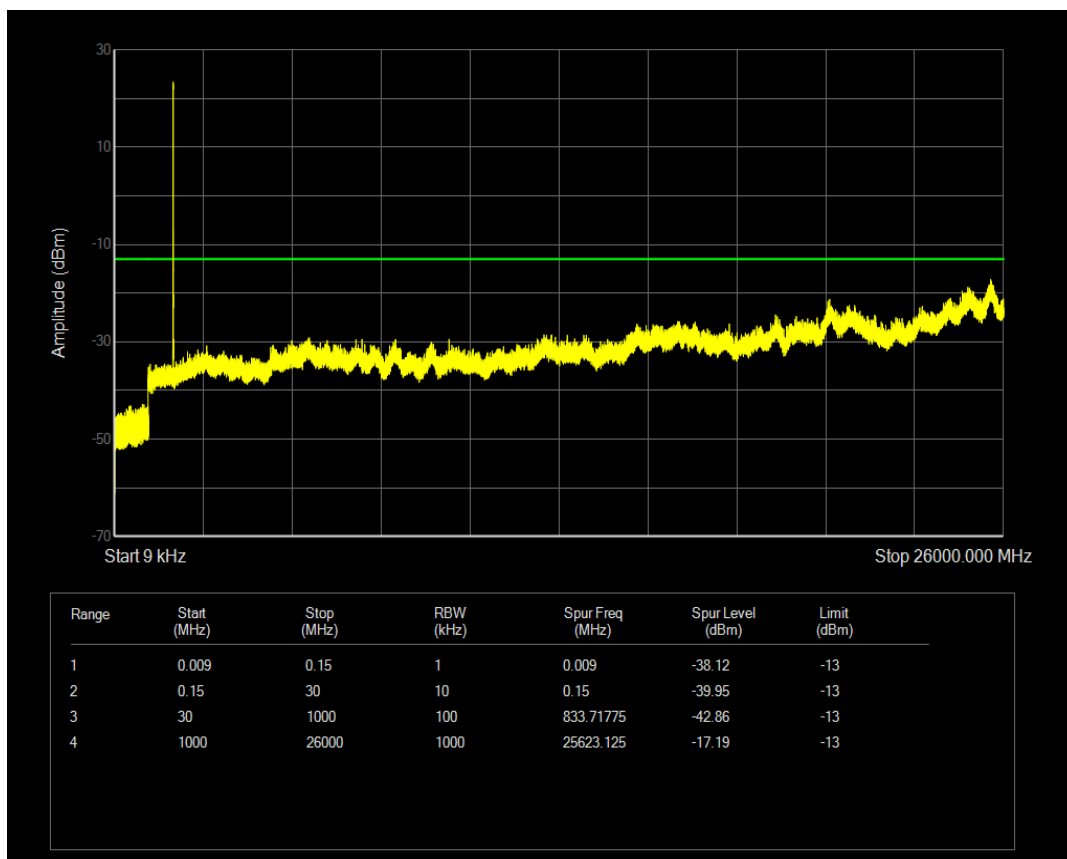


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

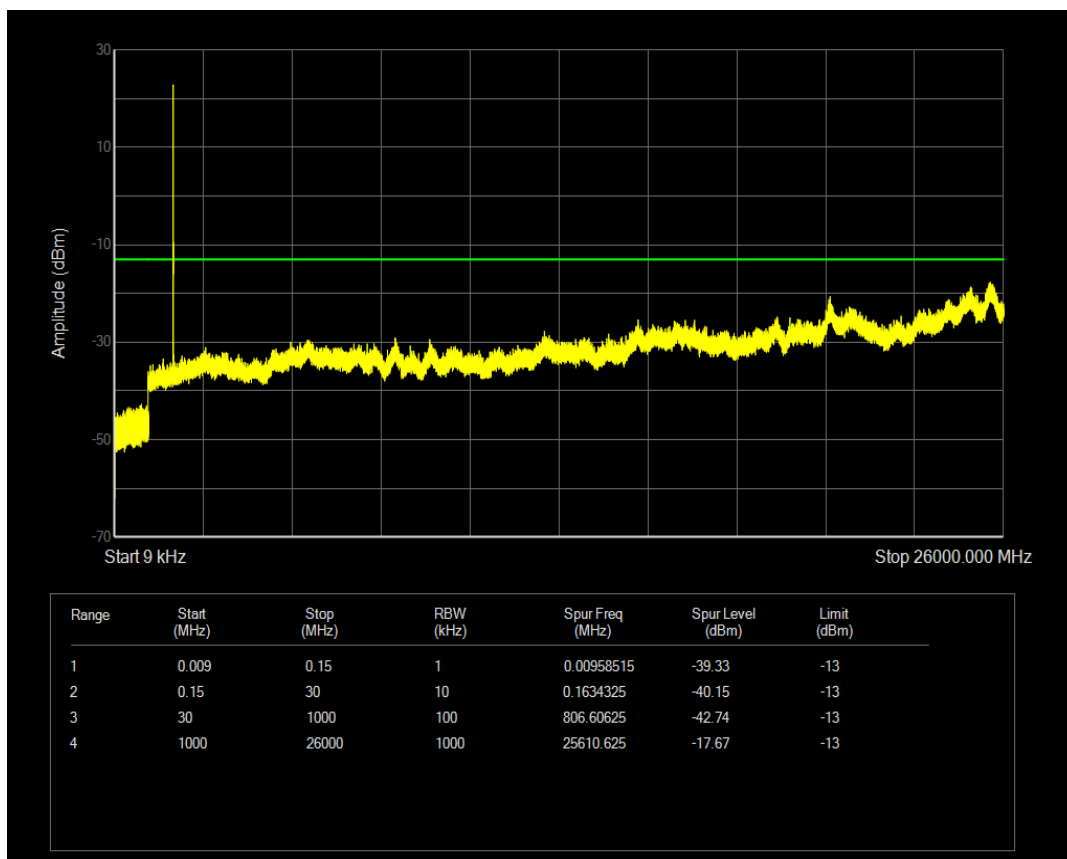




Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

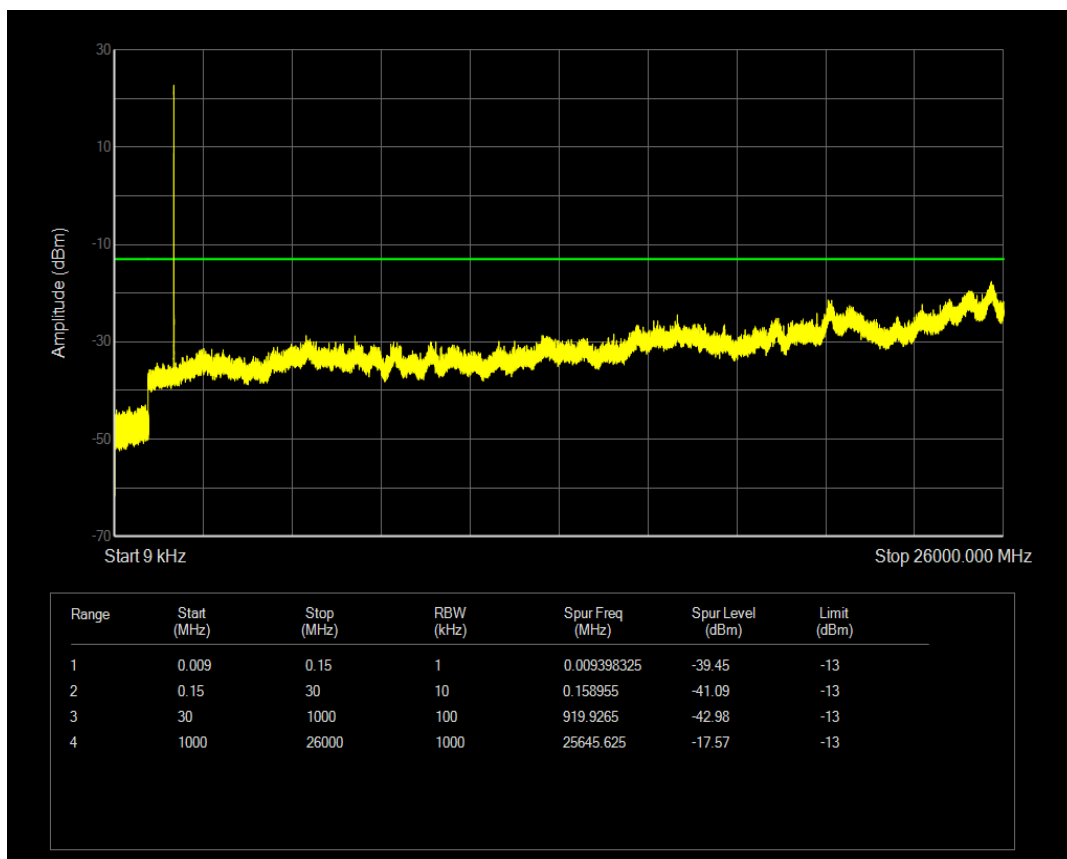


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

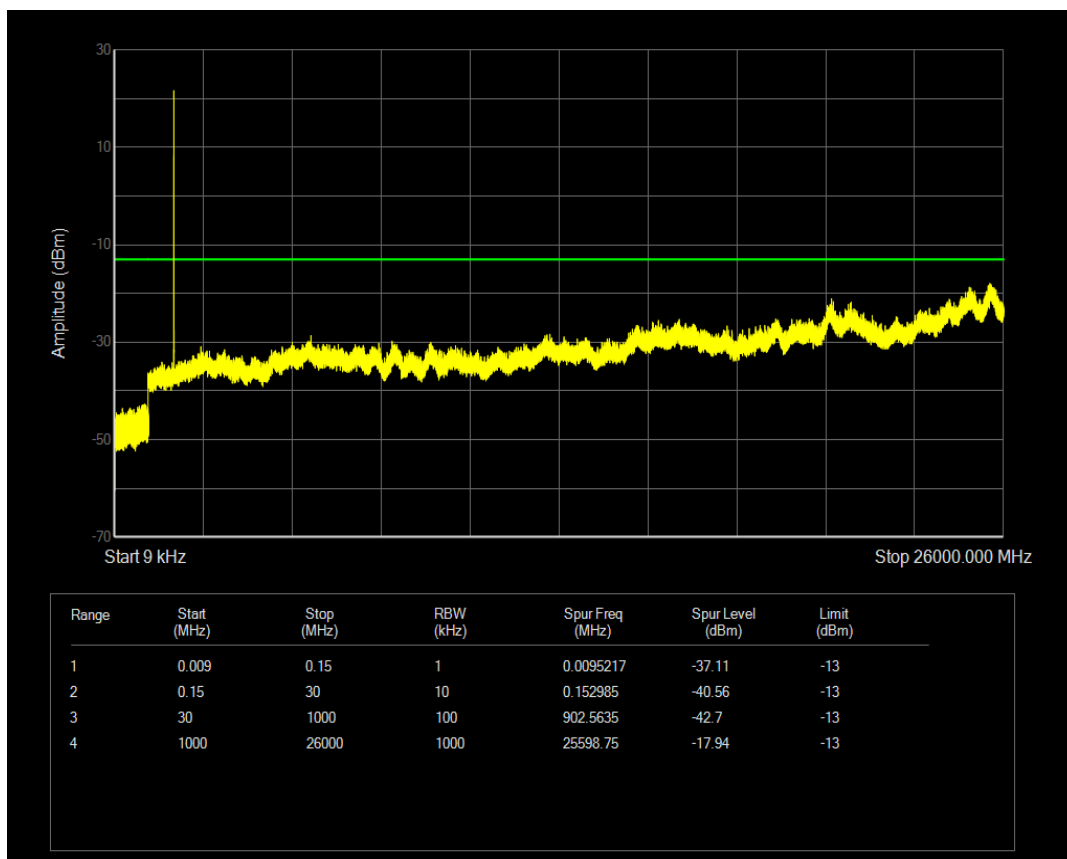




Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

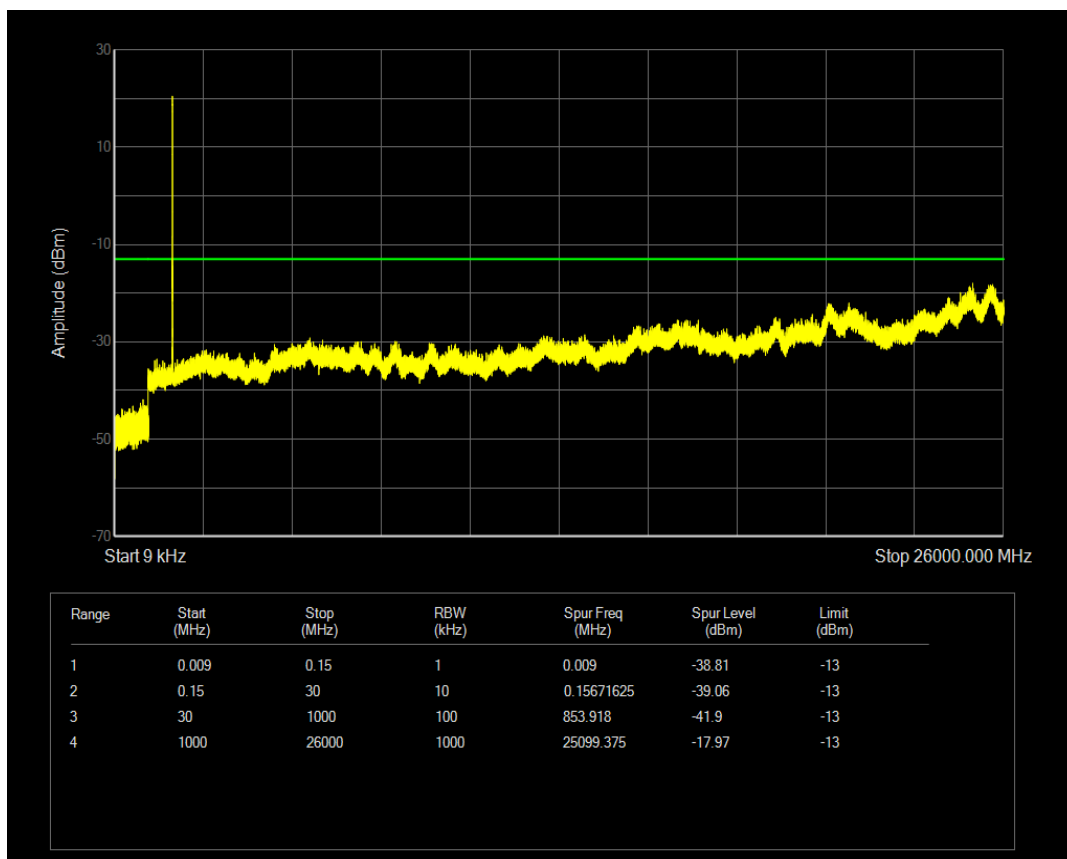


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

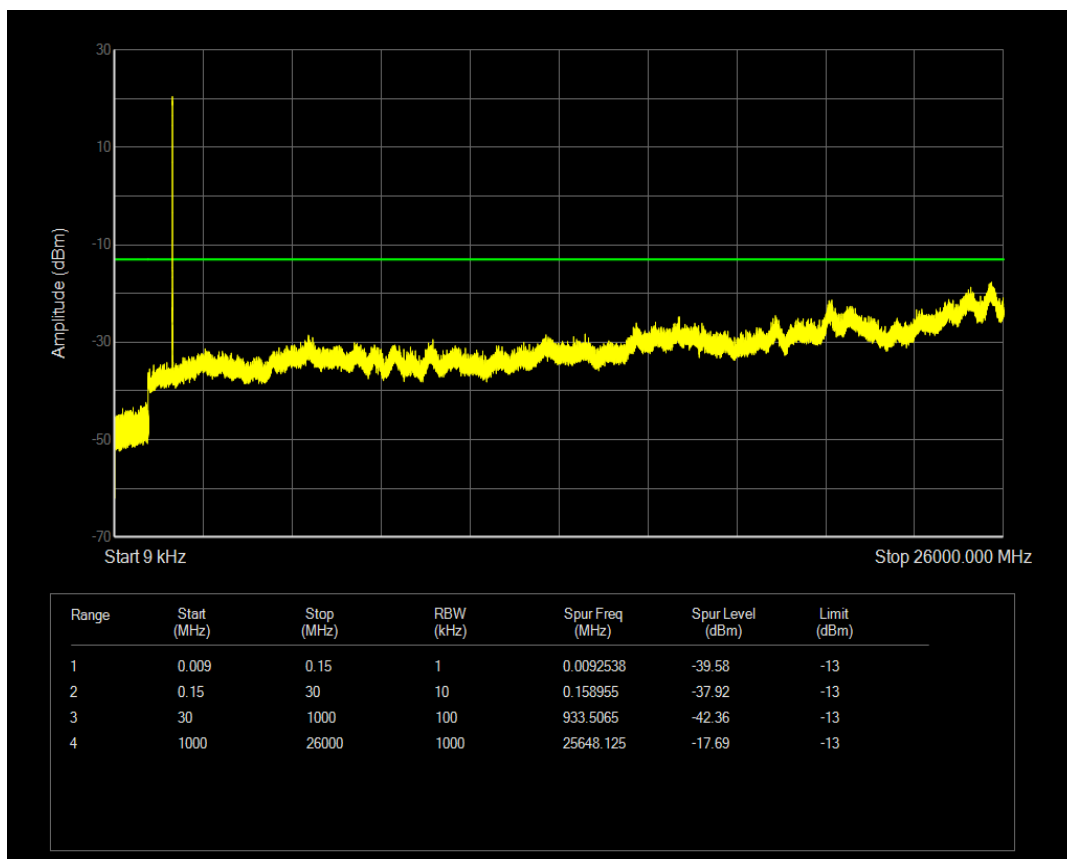




Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

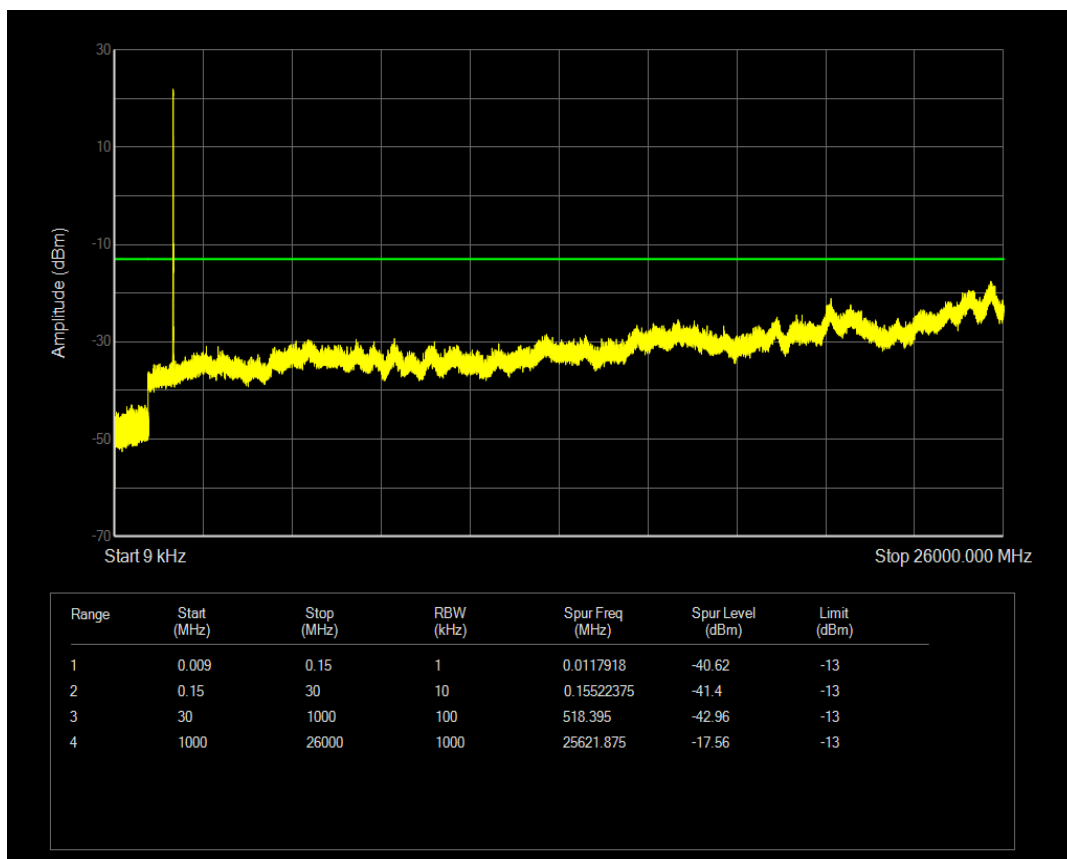


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

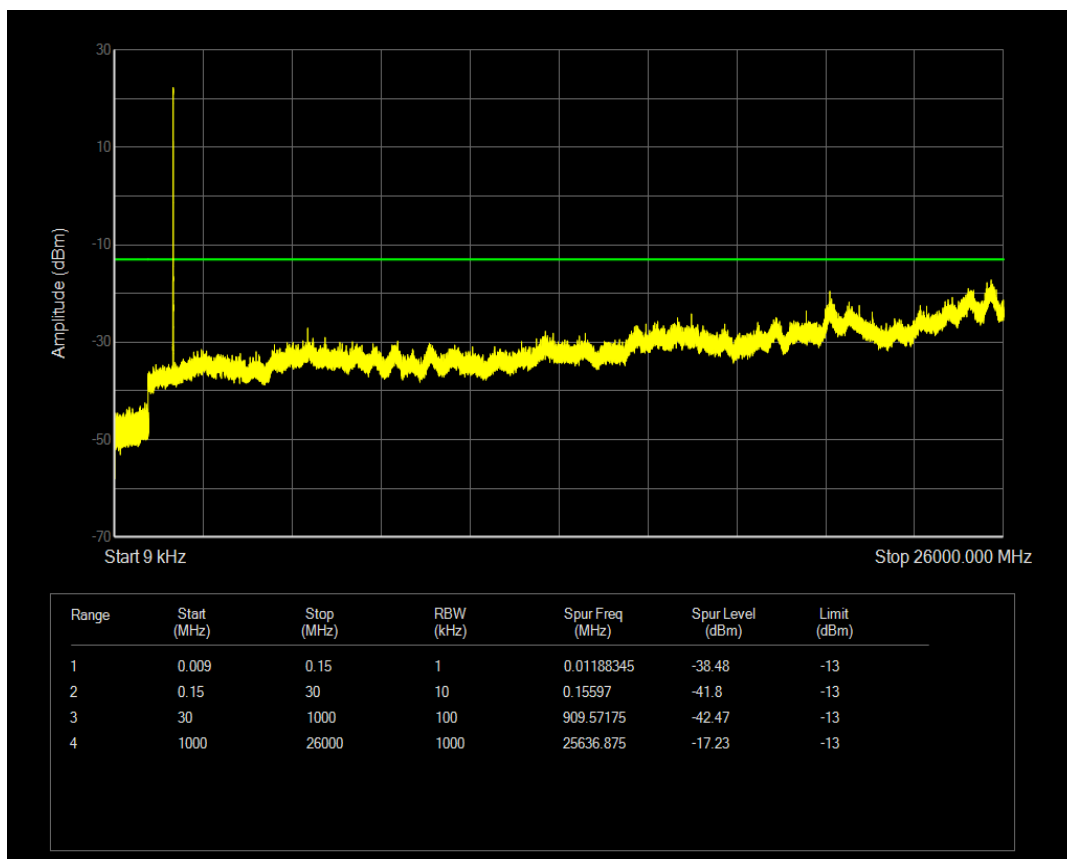




Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

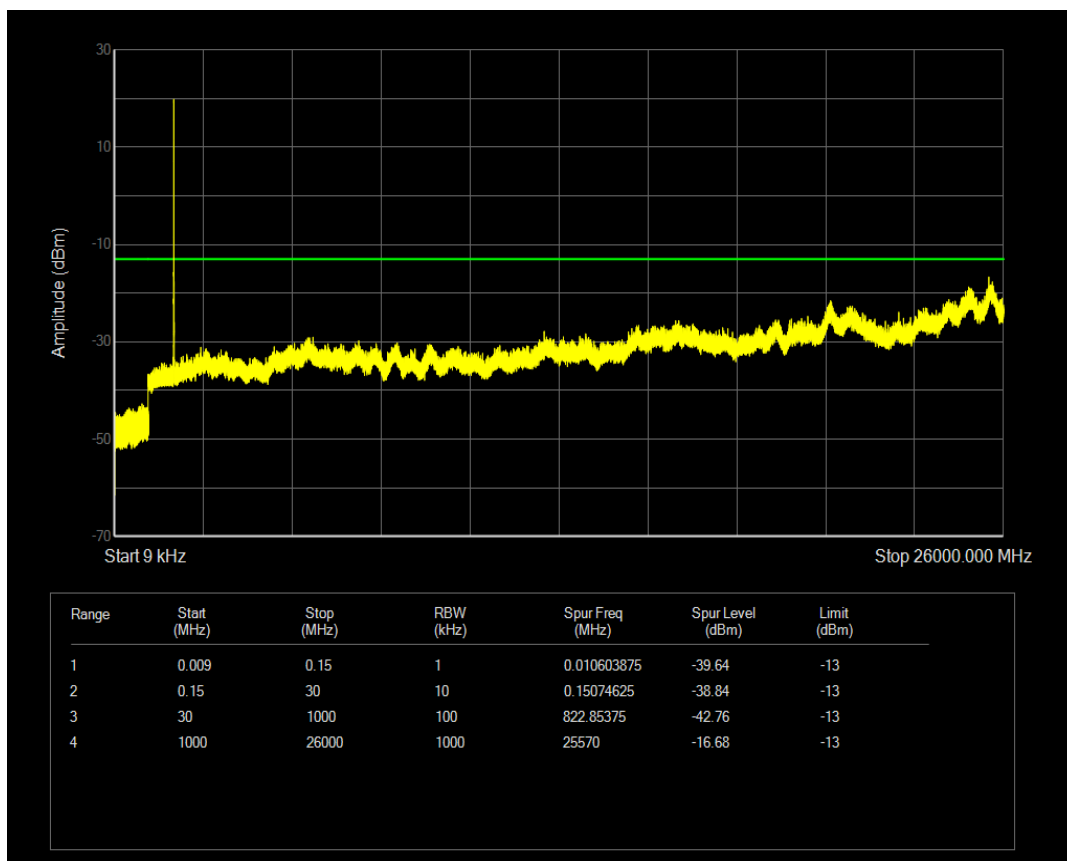


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

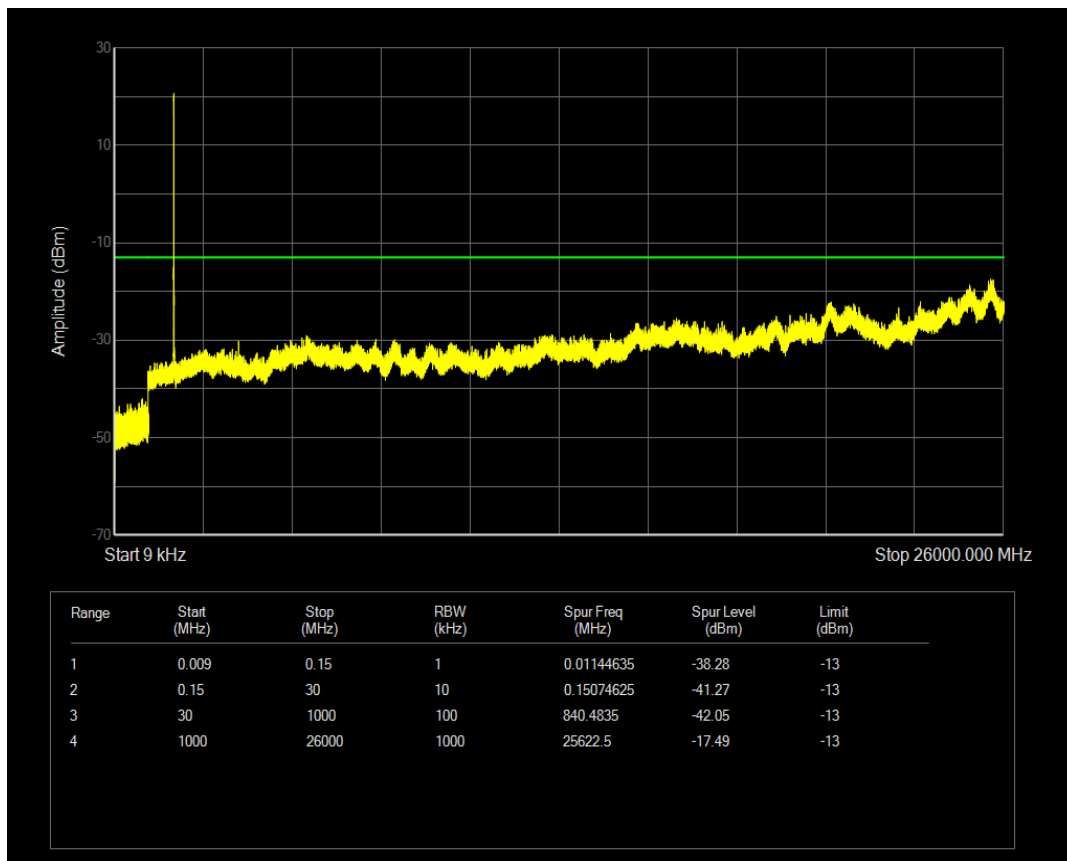




Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

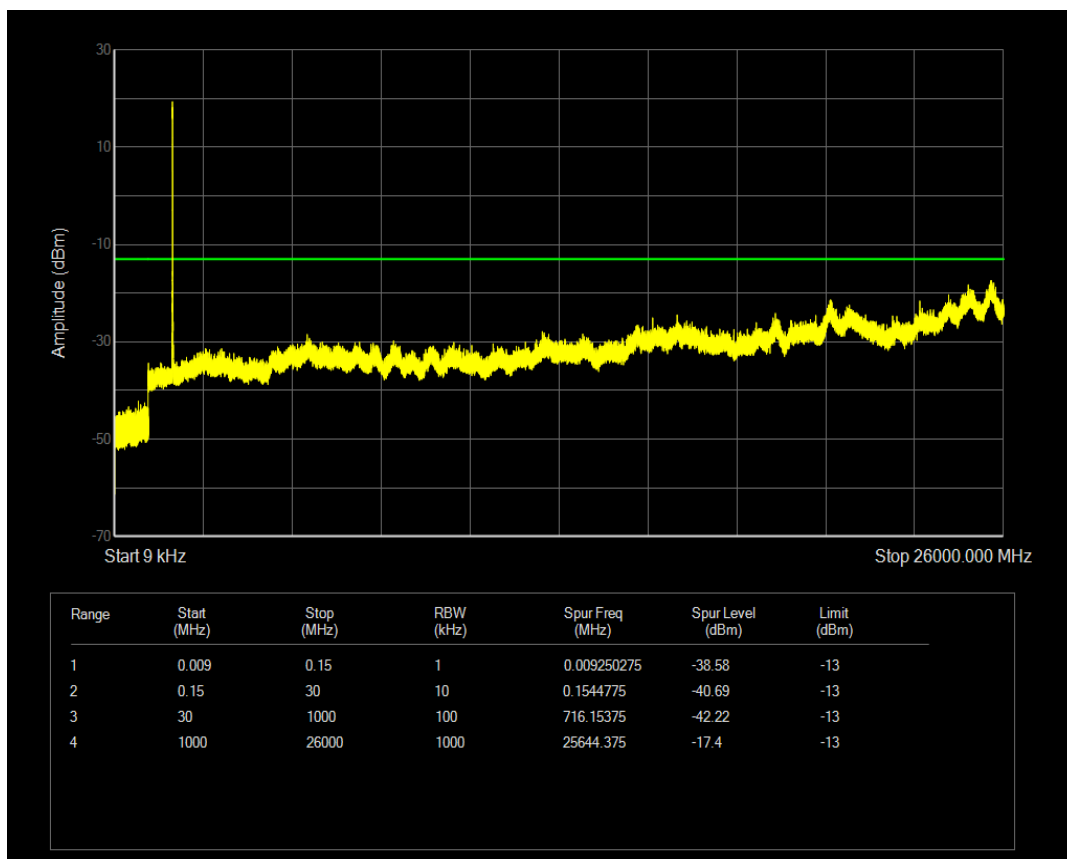


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0





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



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

