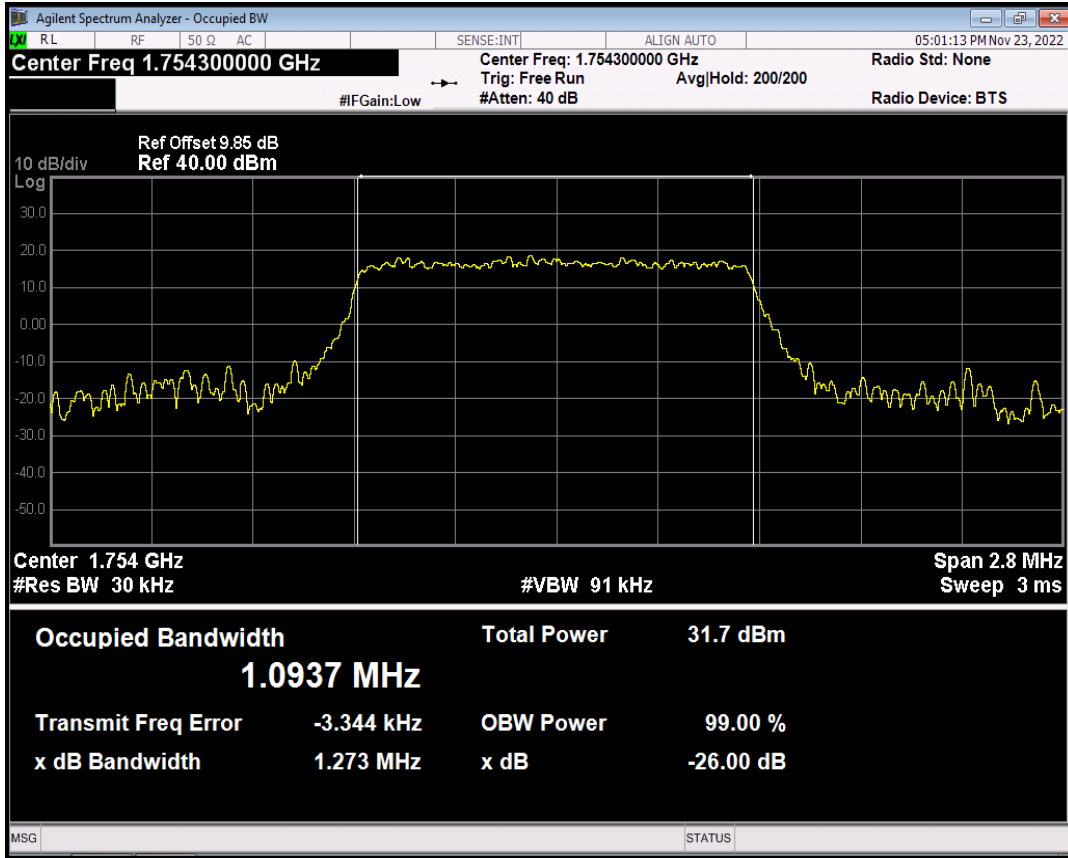
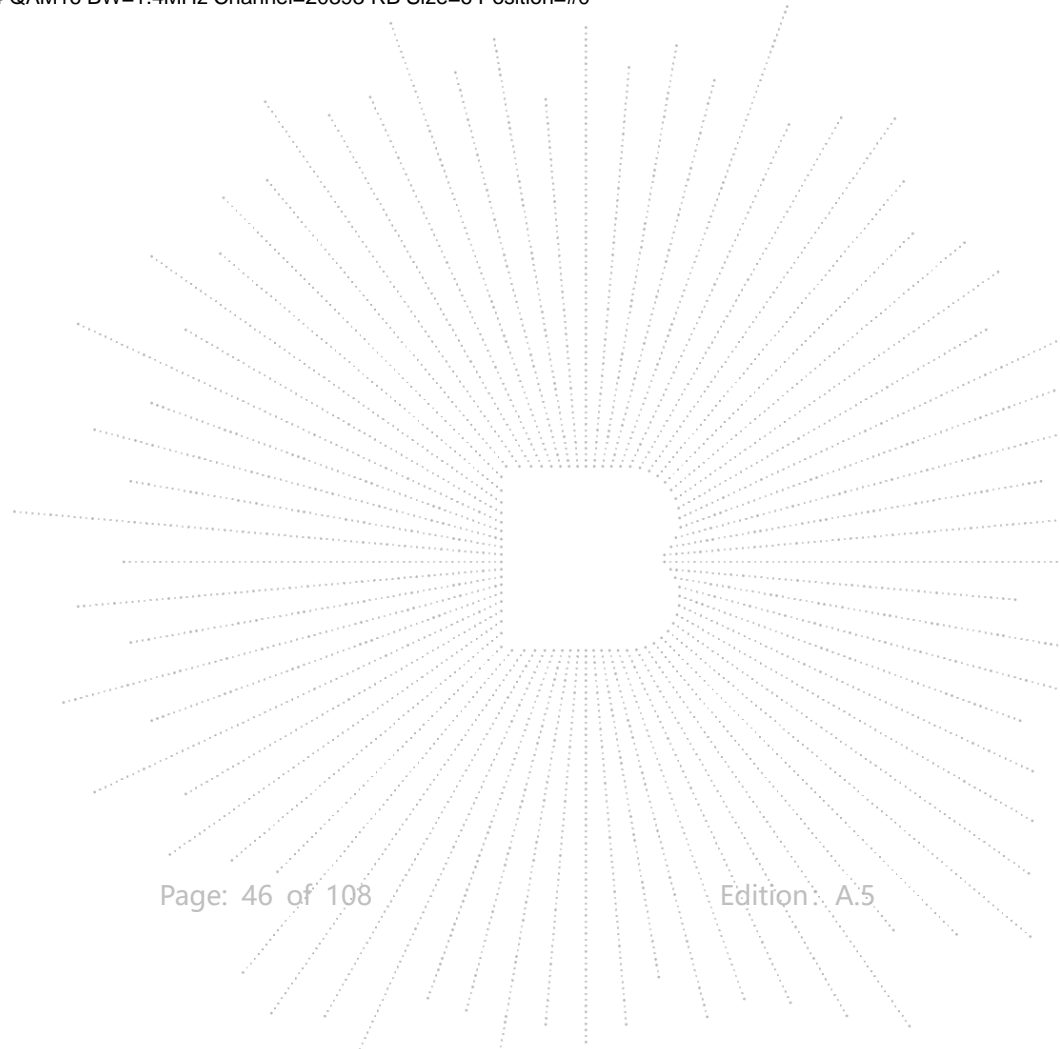
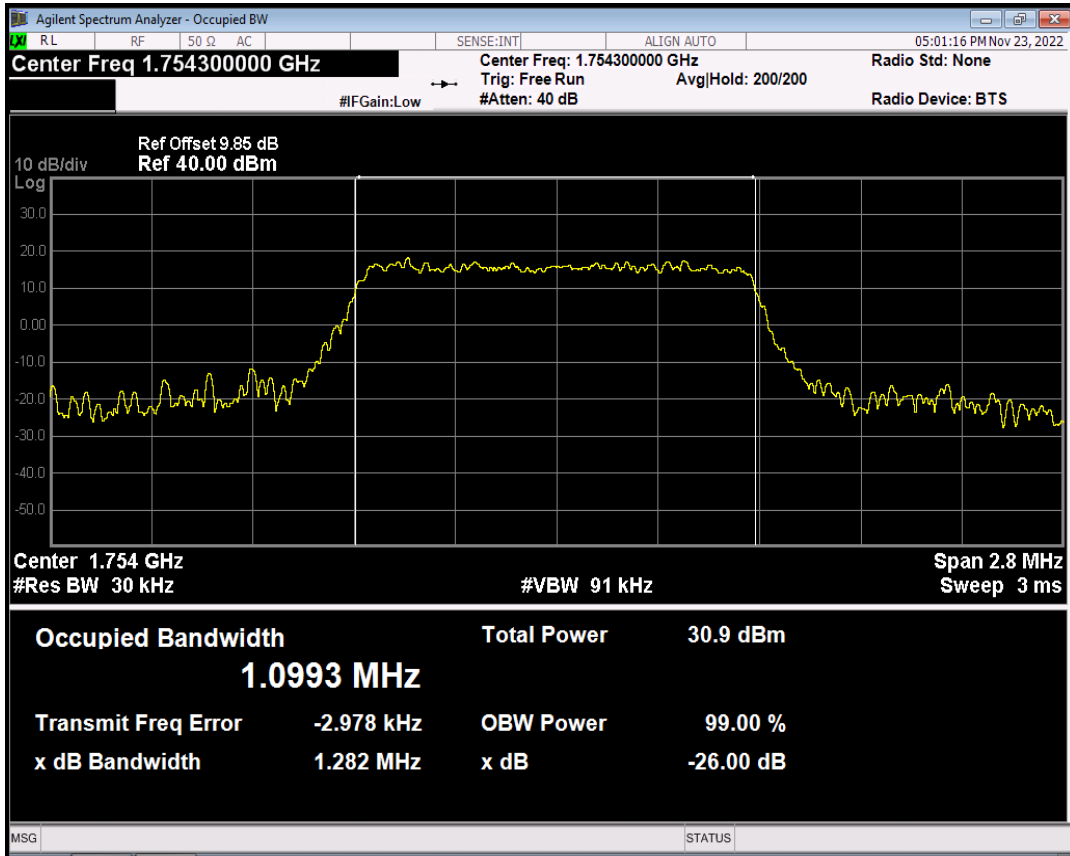


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

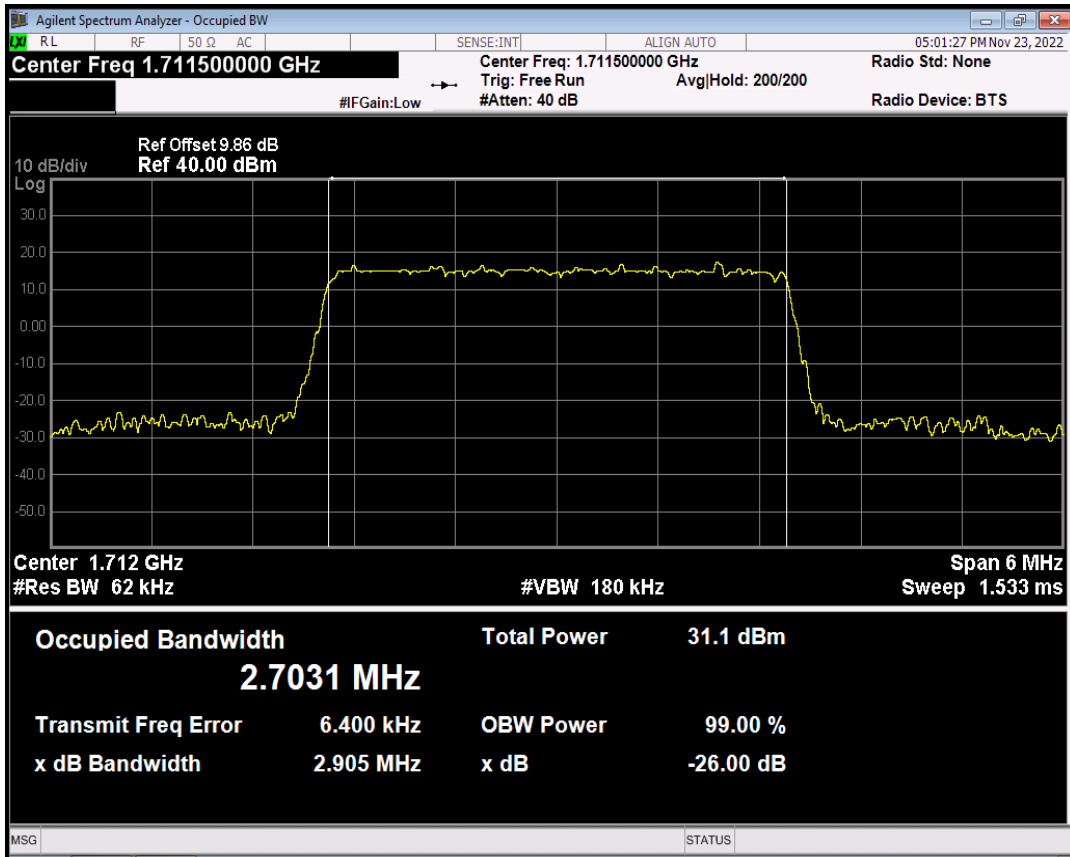


Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0

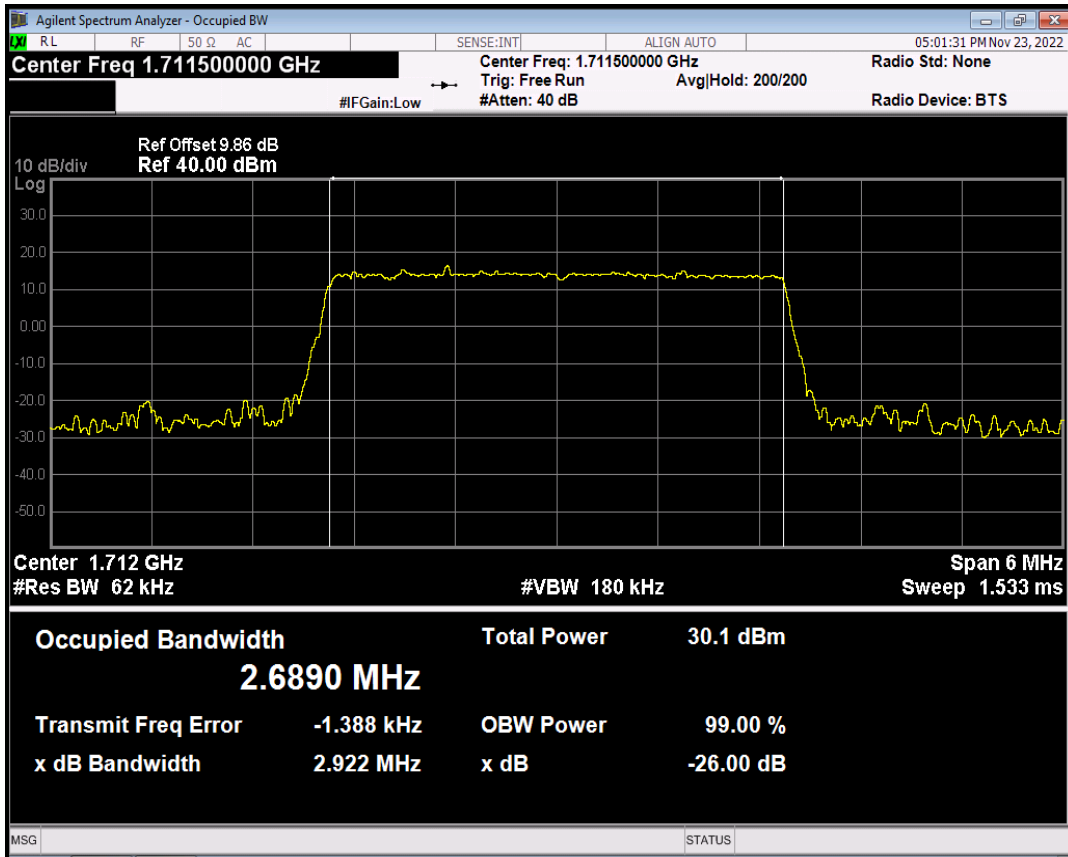




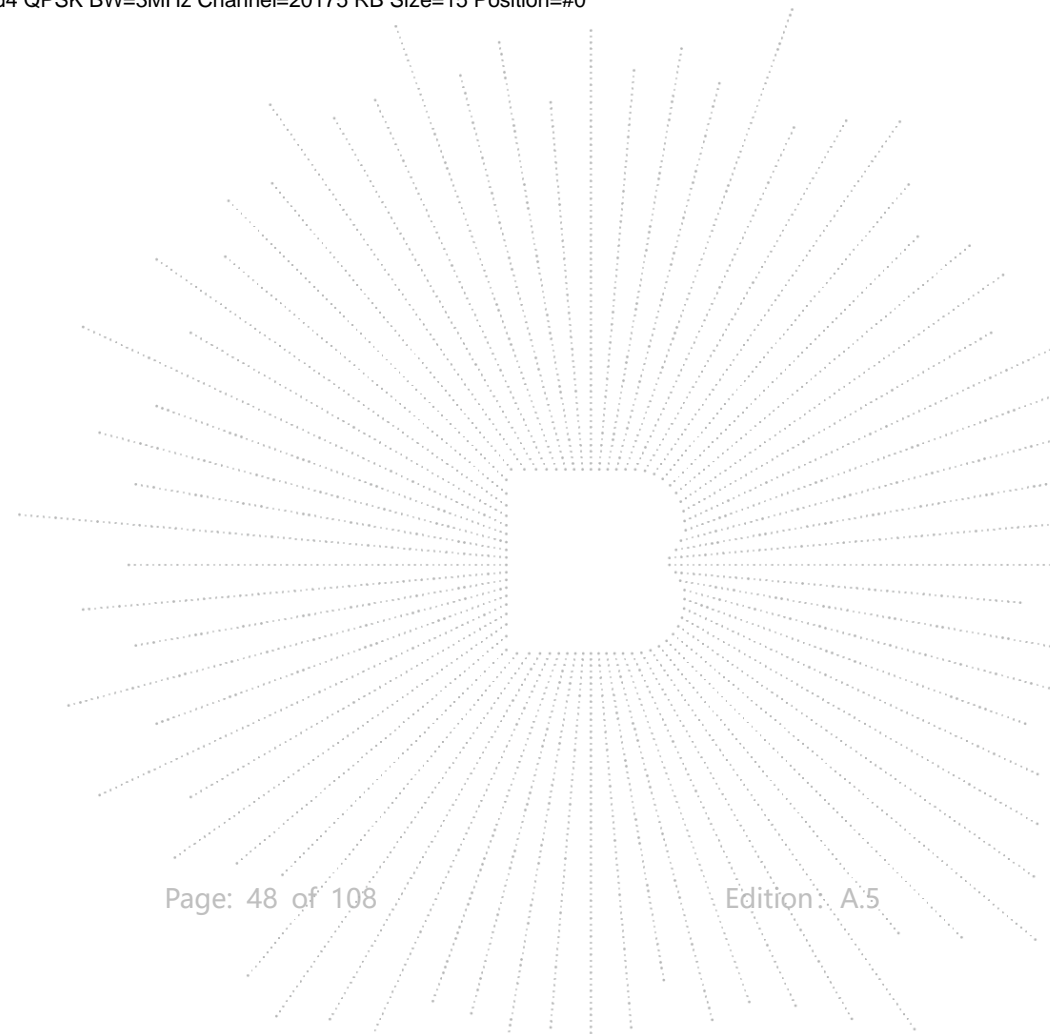
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

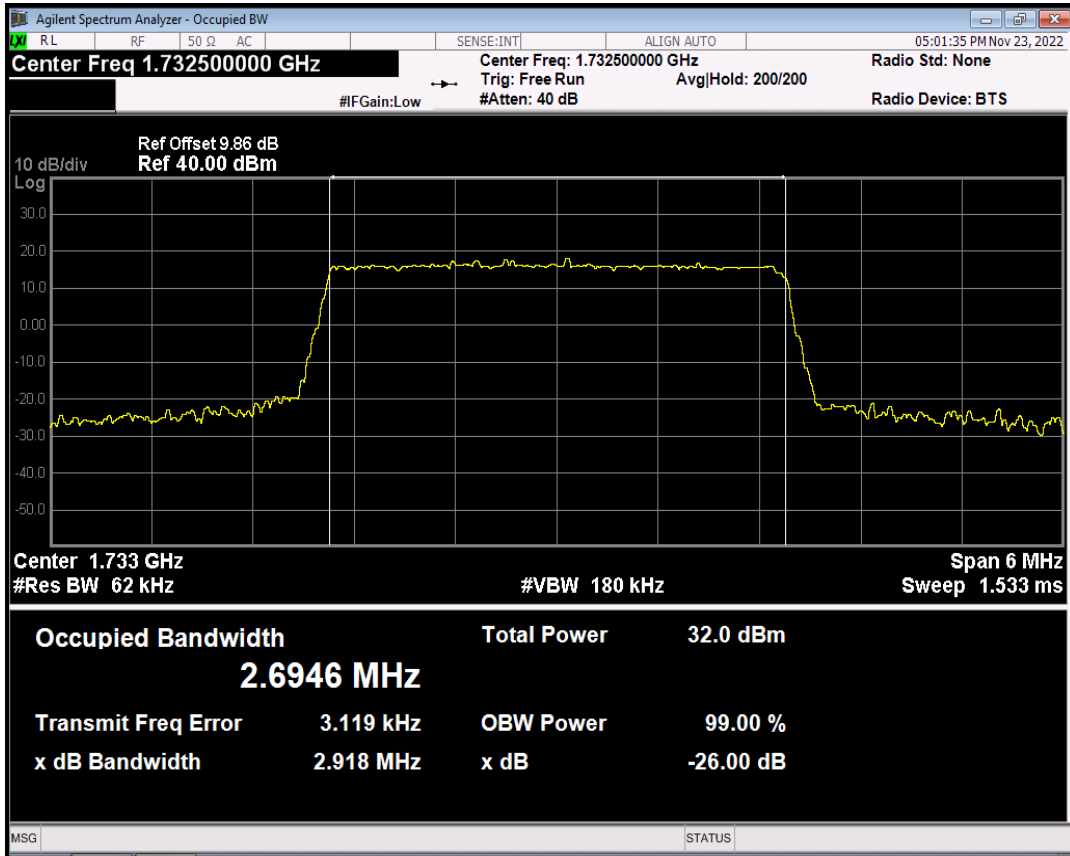


Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0

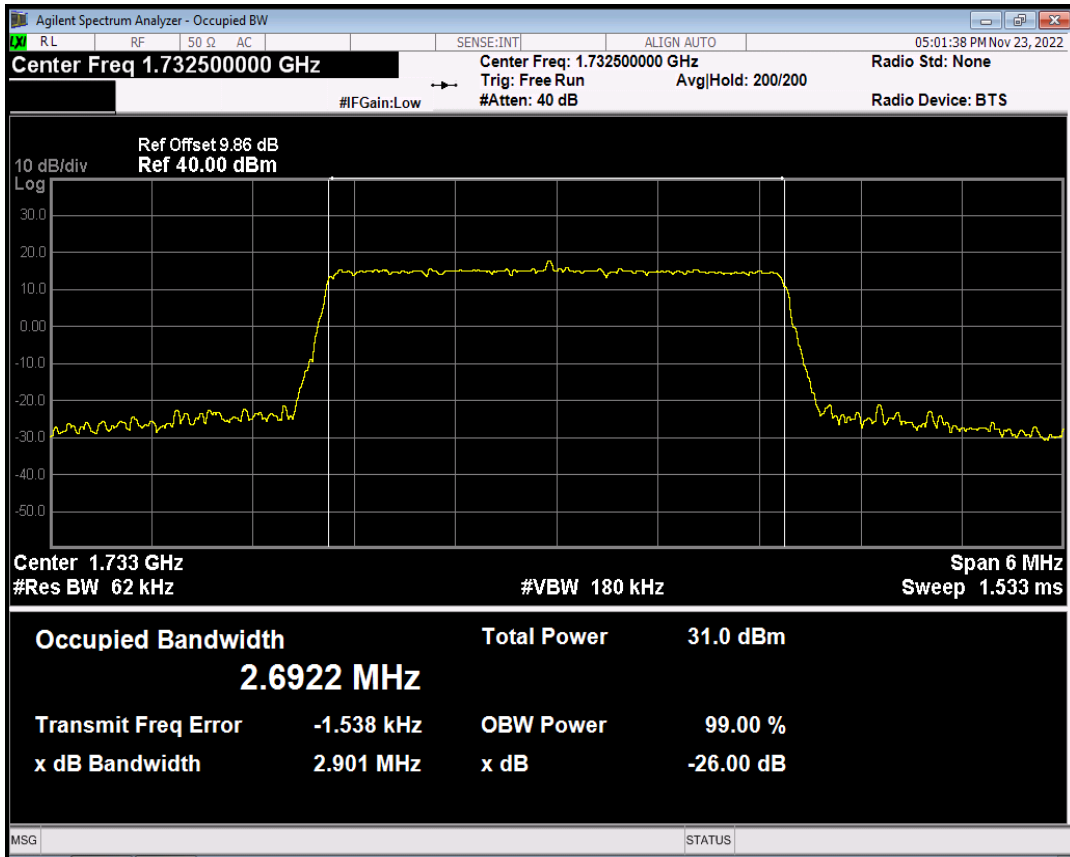


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



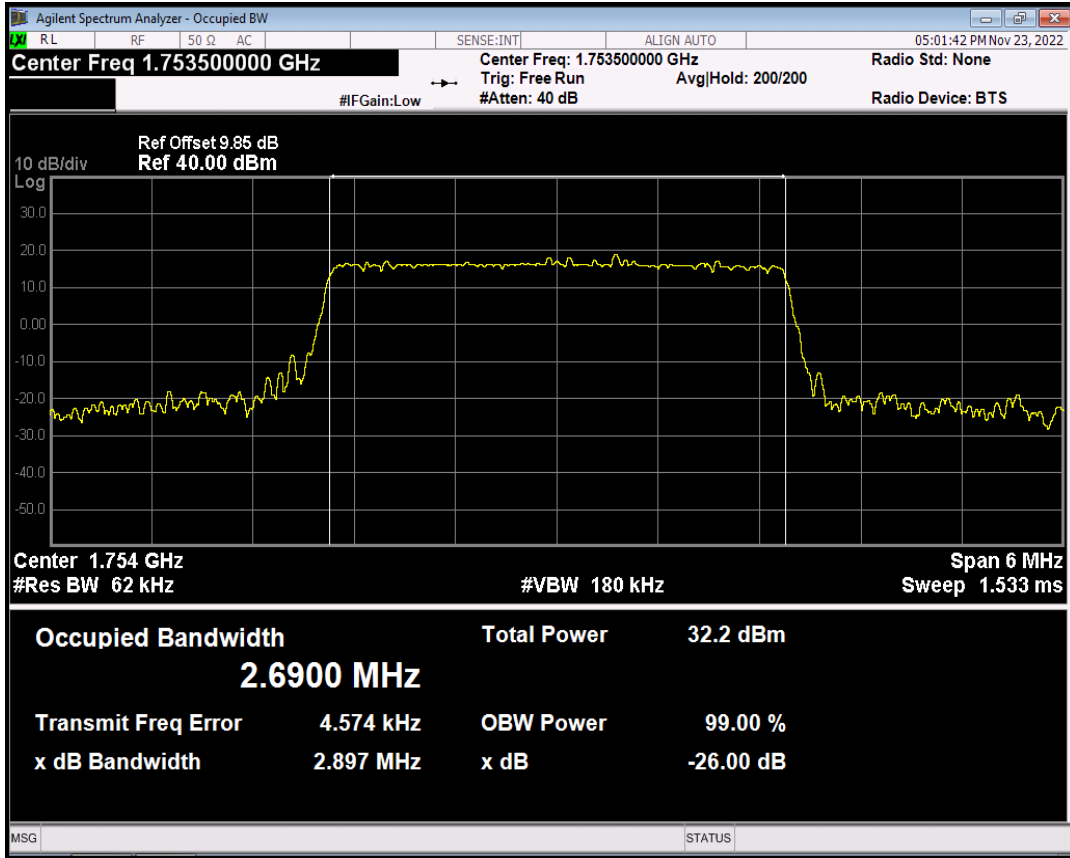


Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0

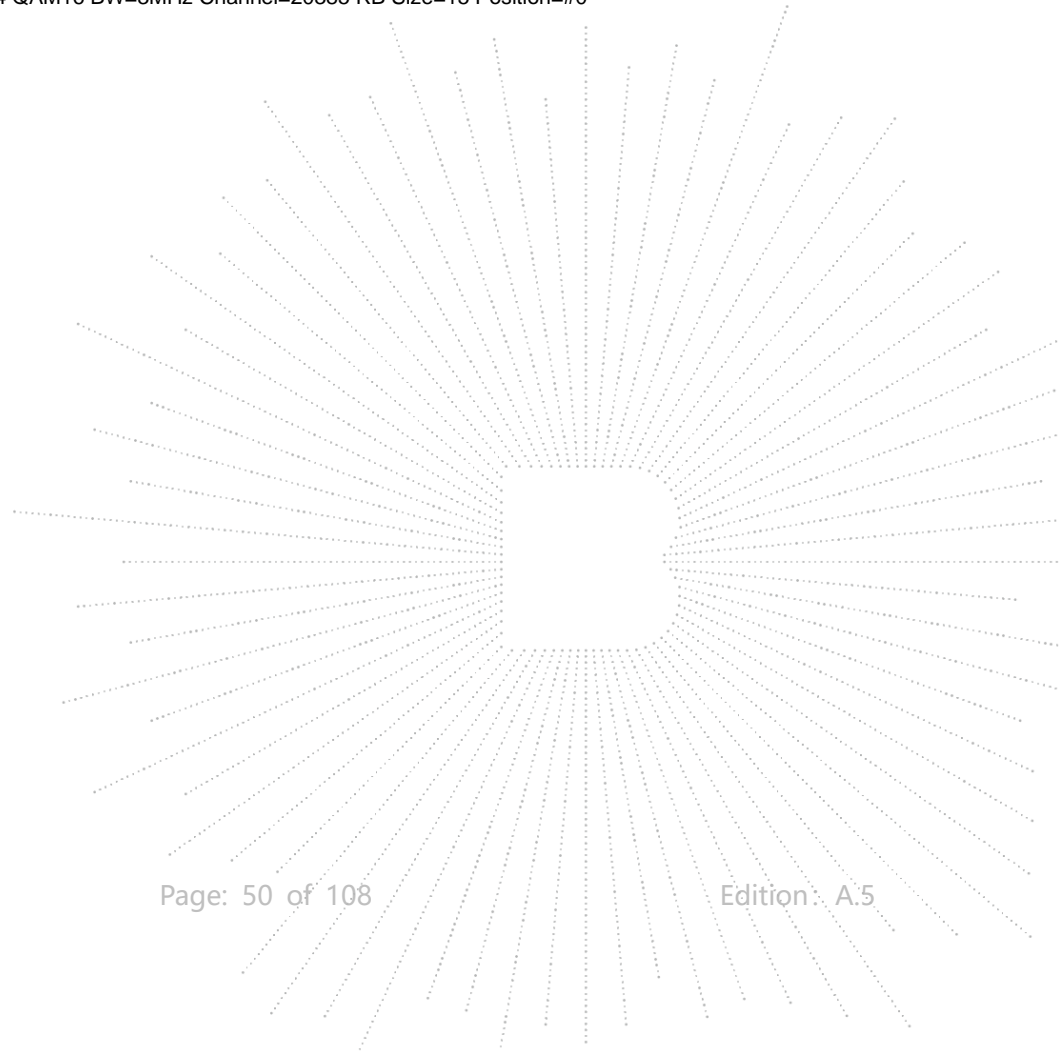


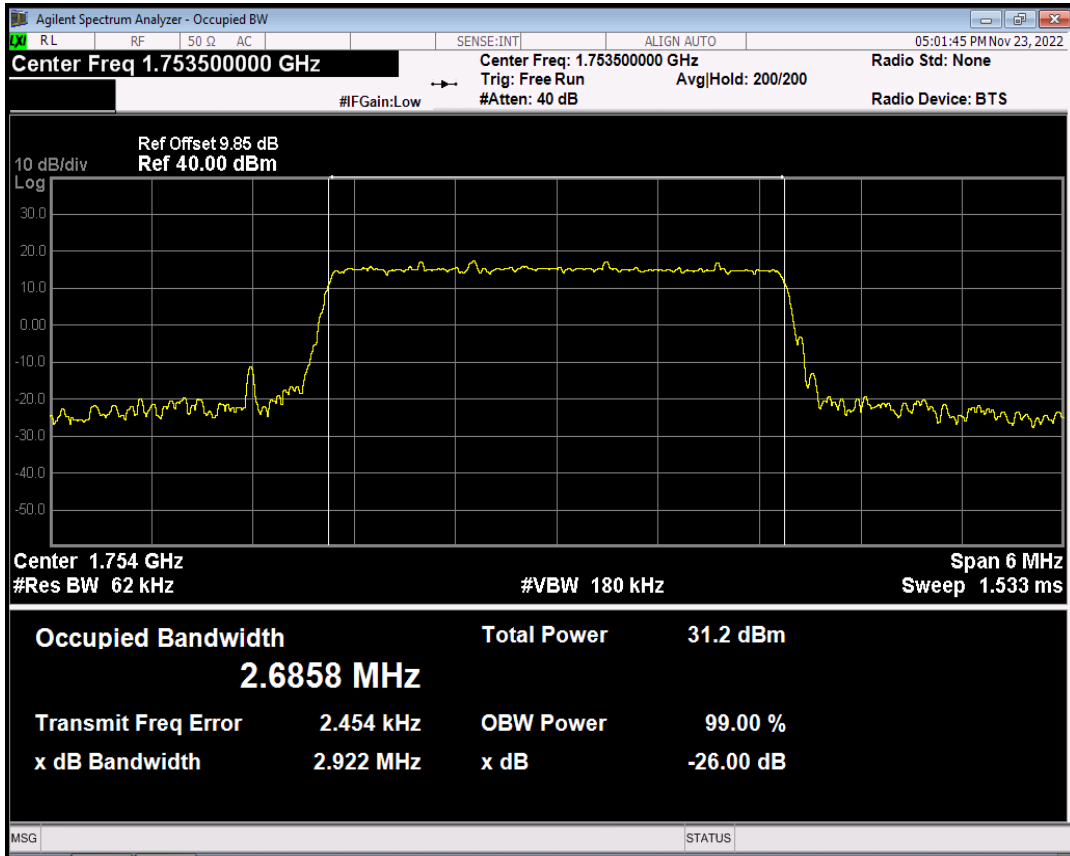


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

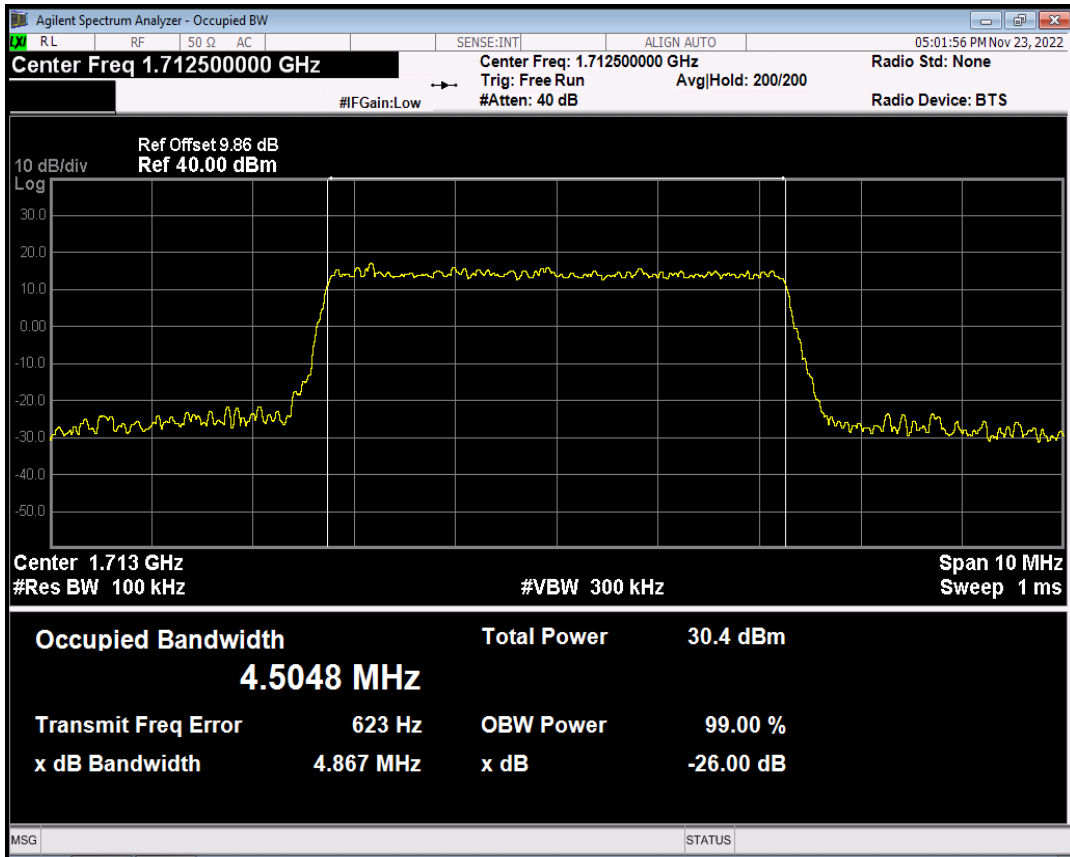


Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0

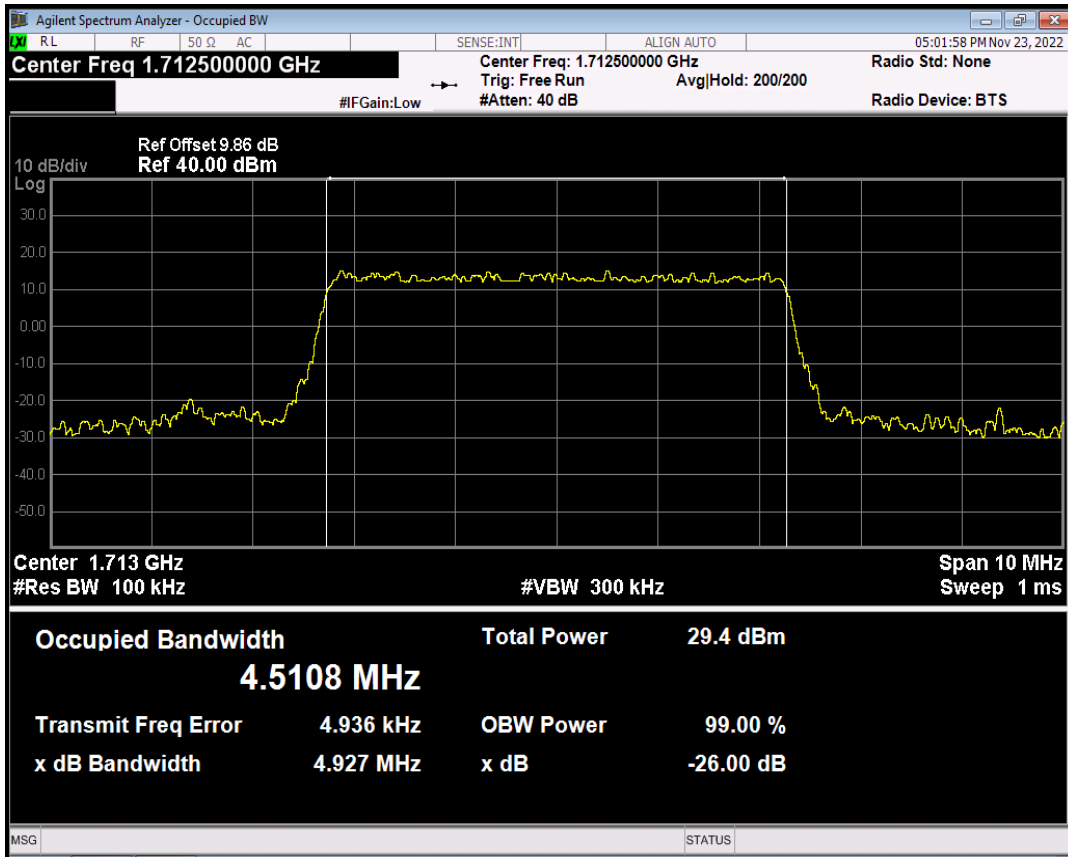




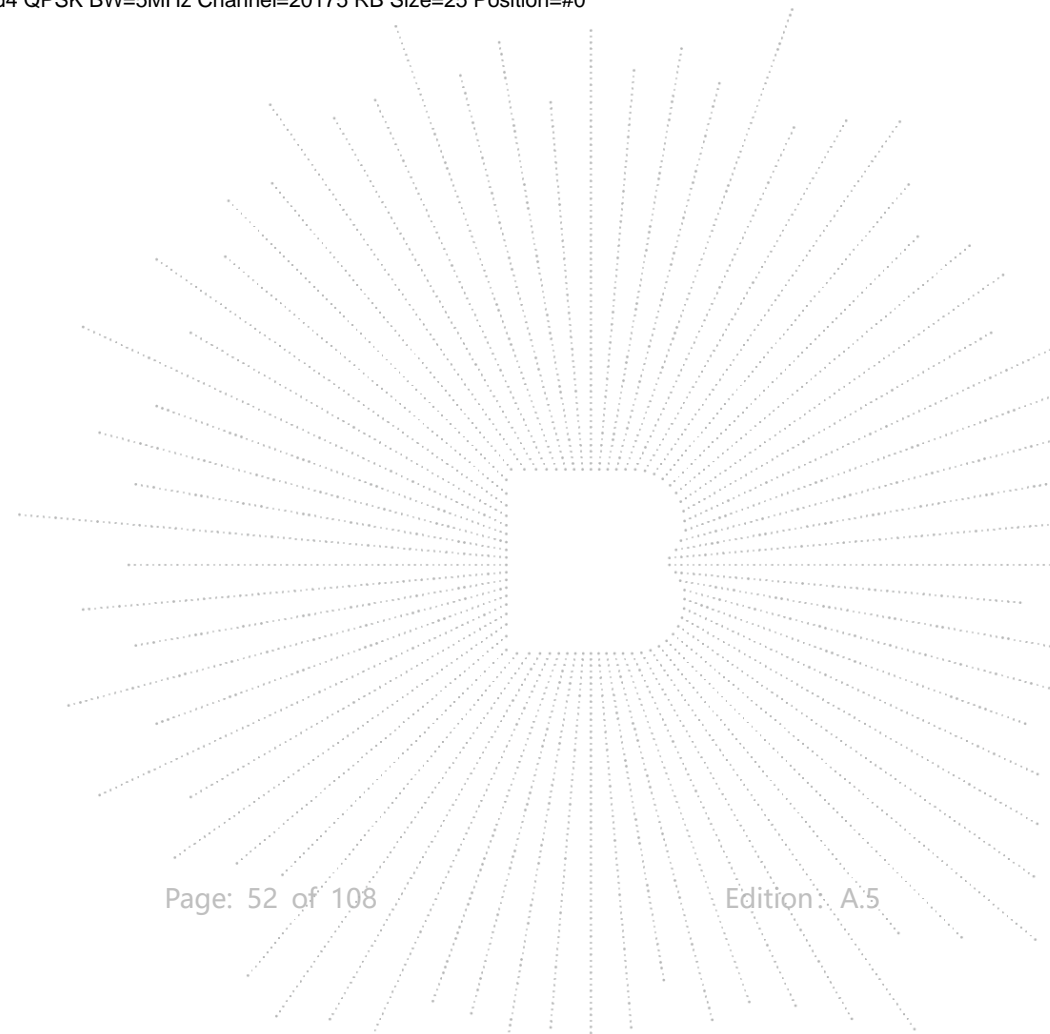
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

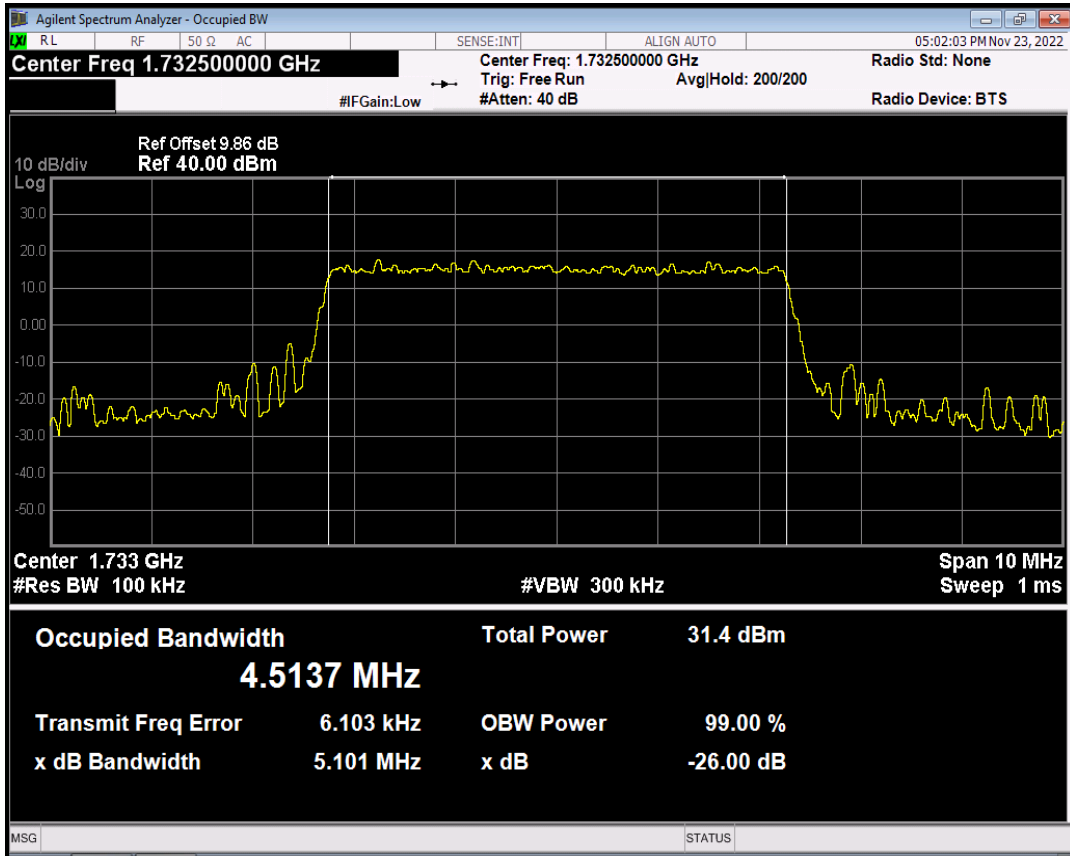


Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0

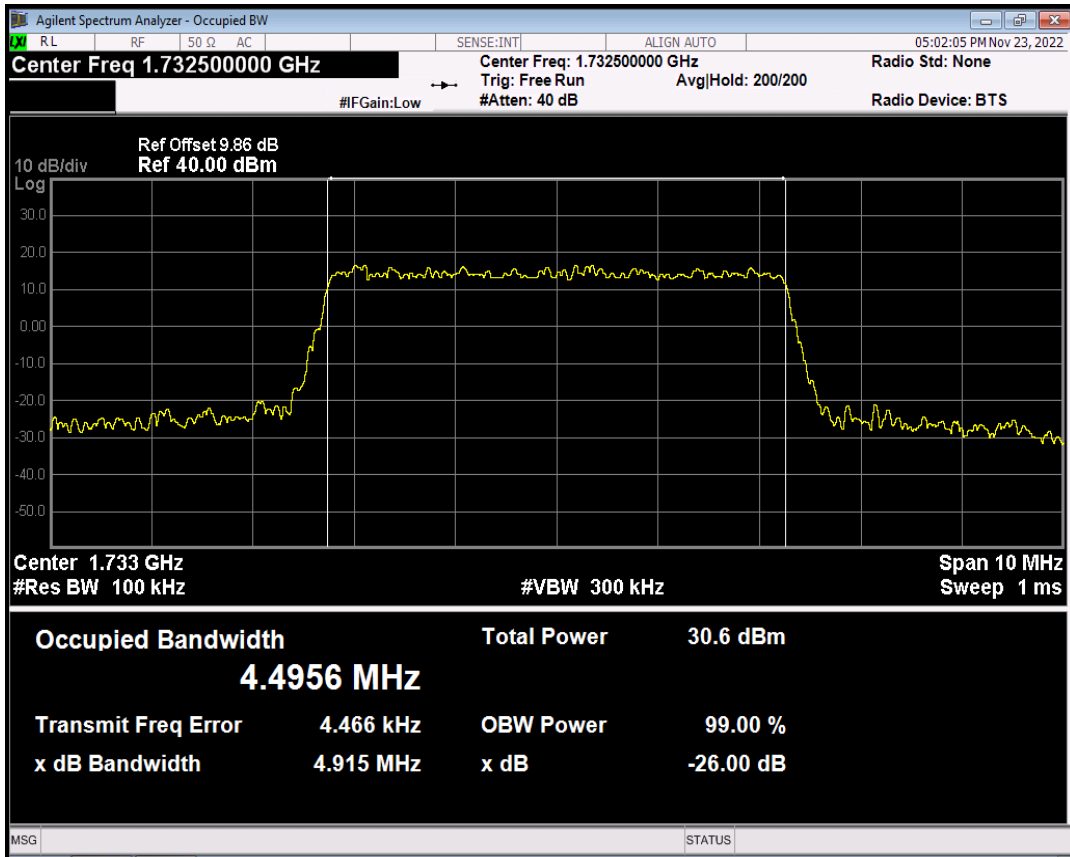


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

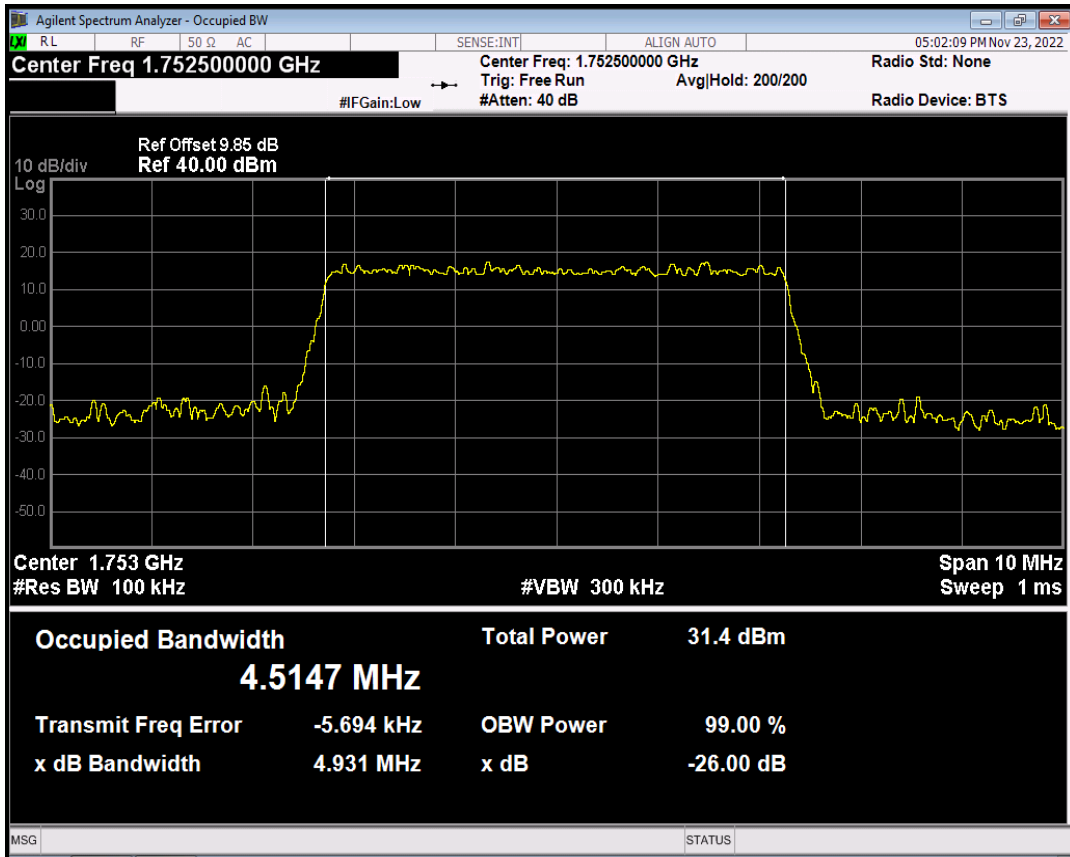




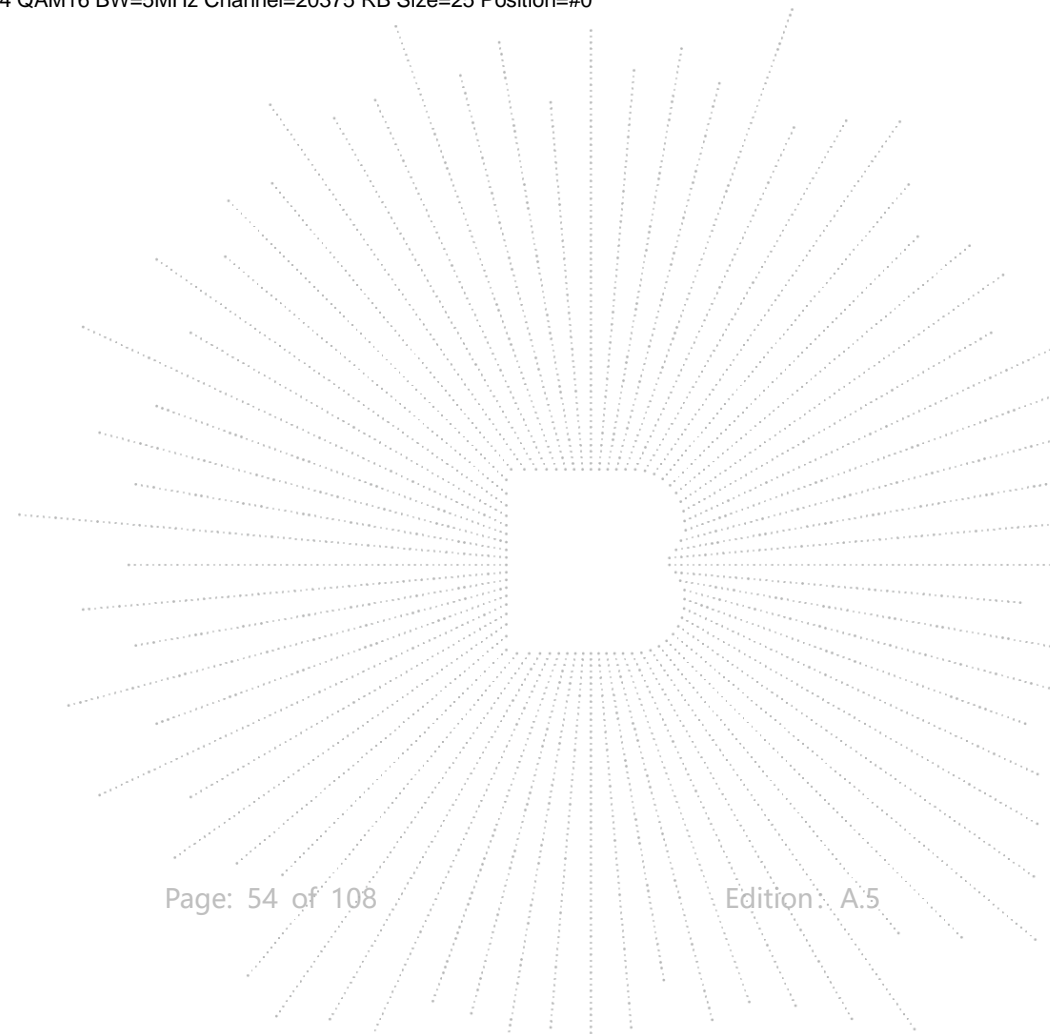
Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0

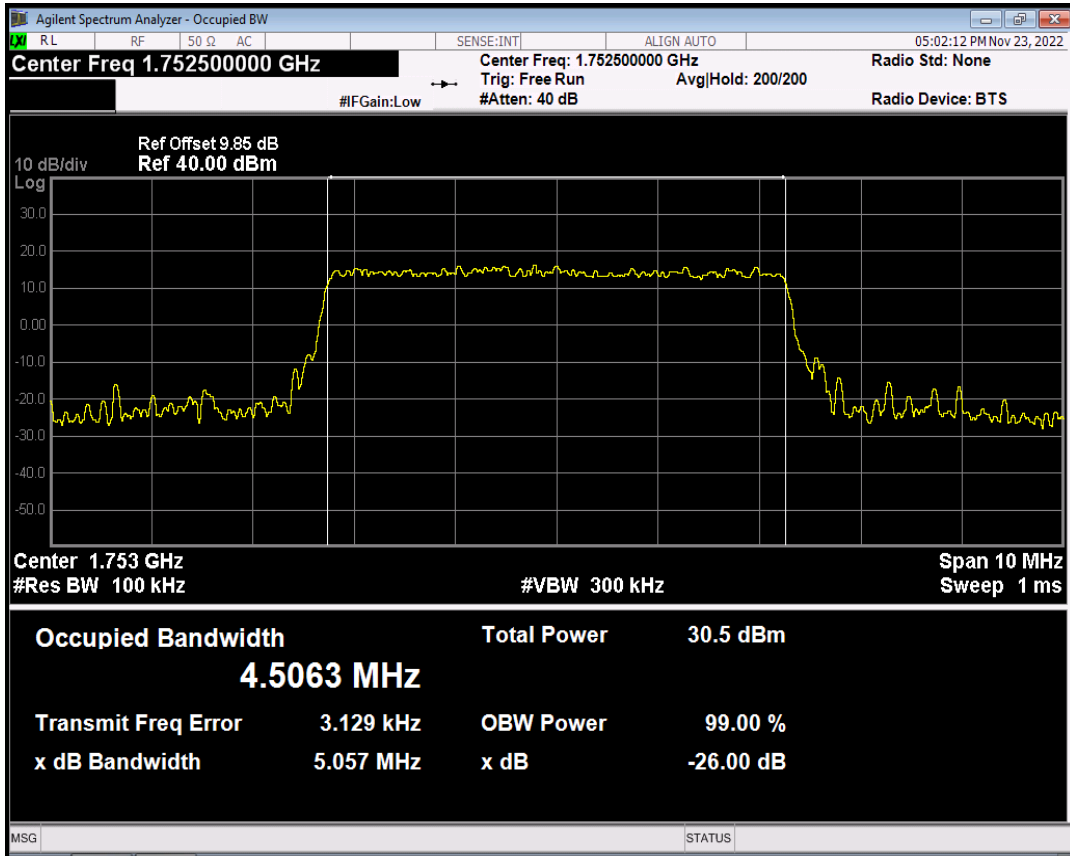


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

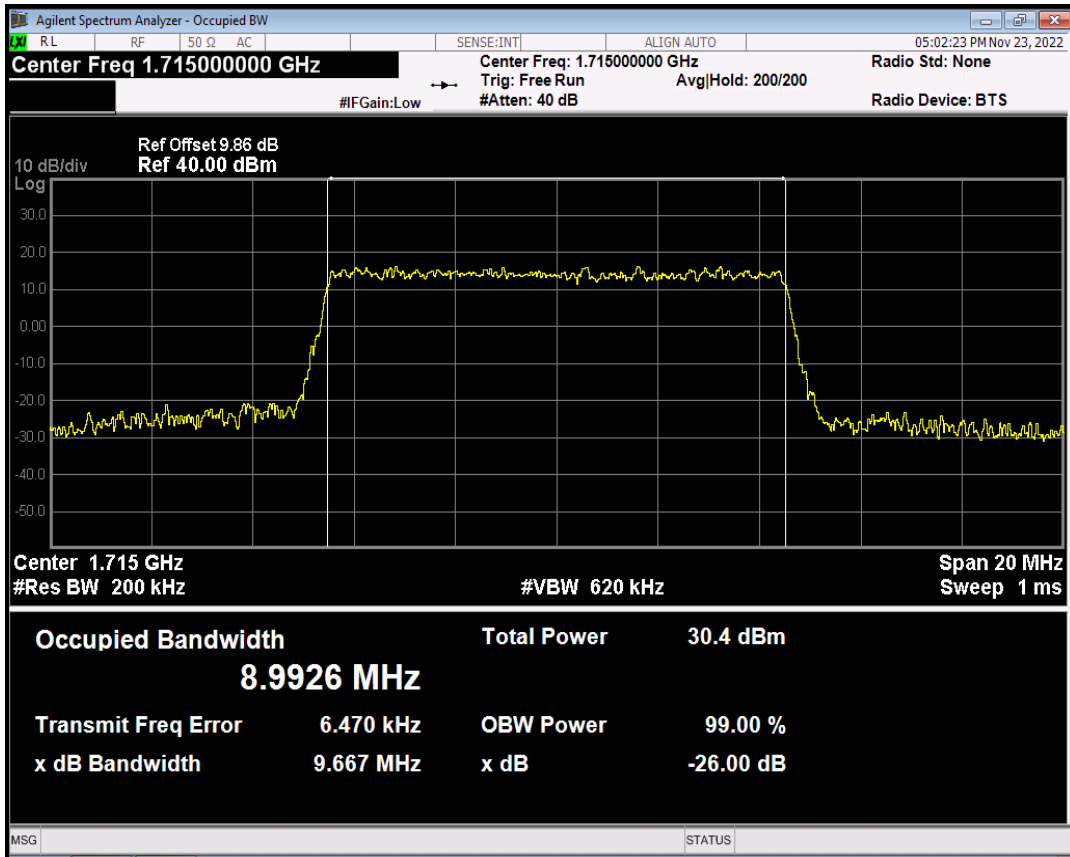


Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0

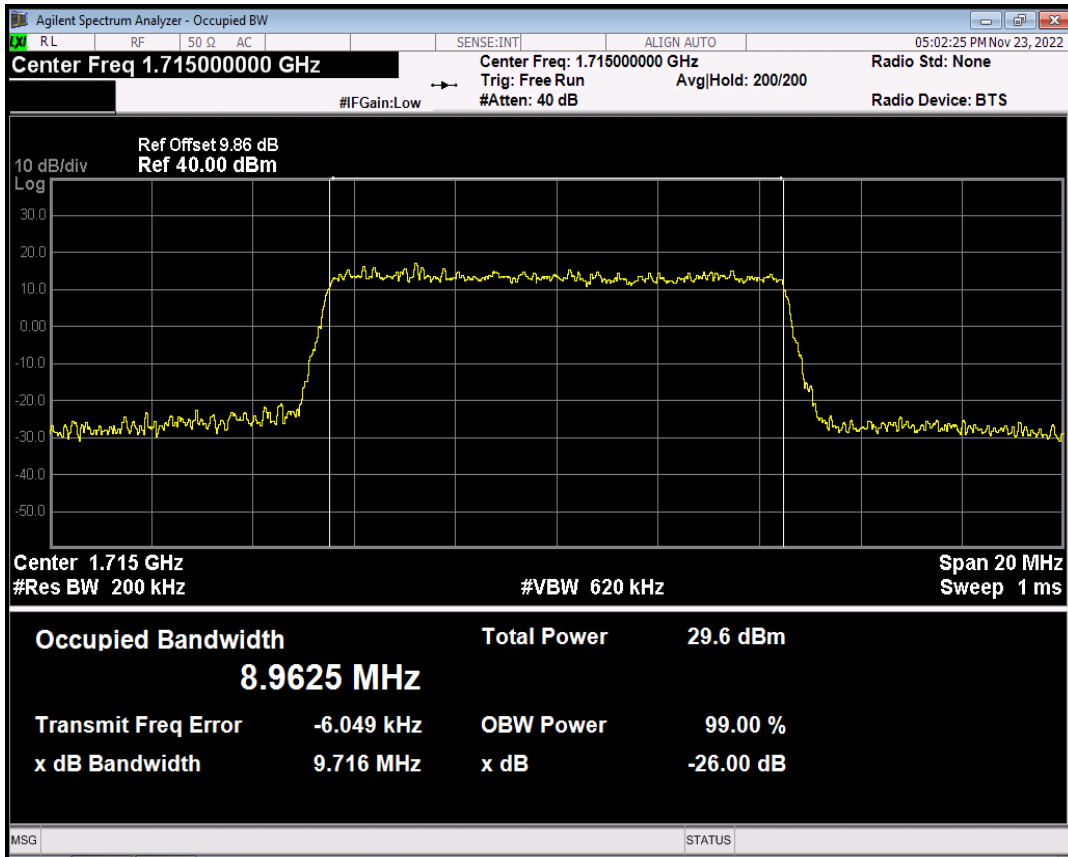




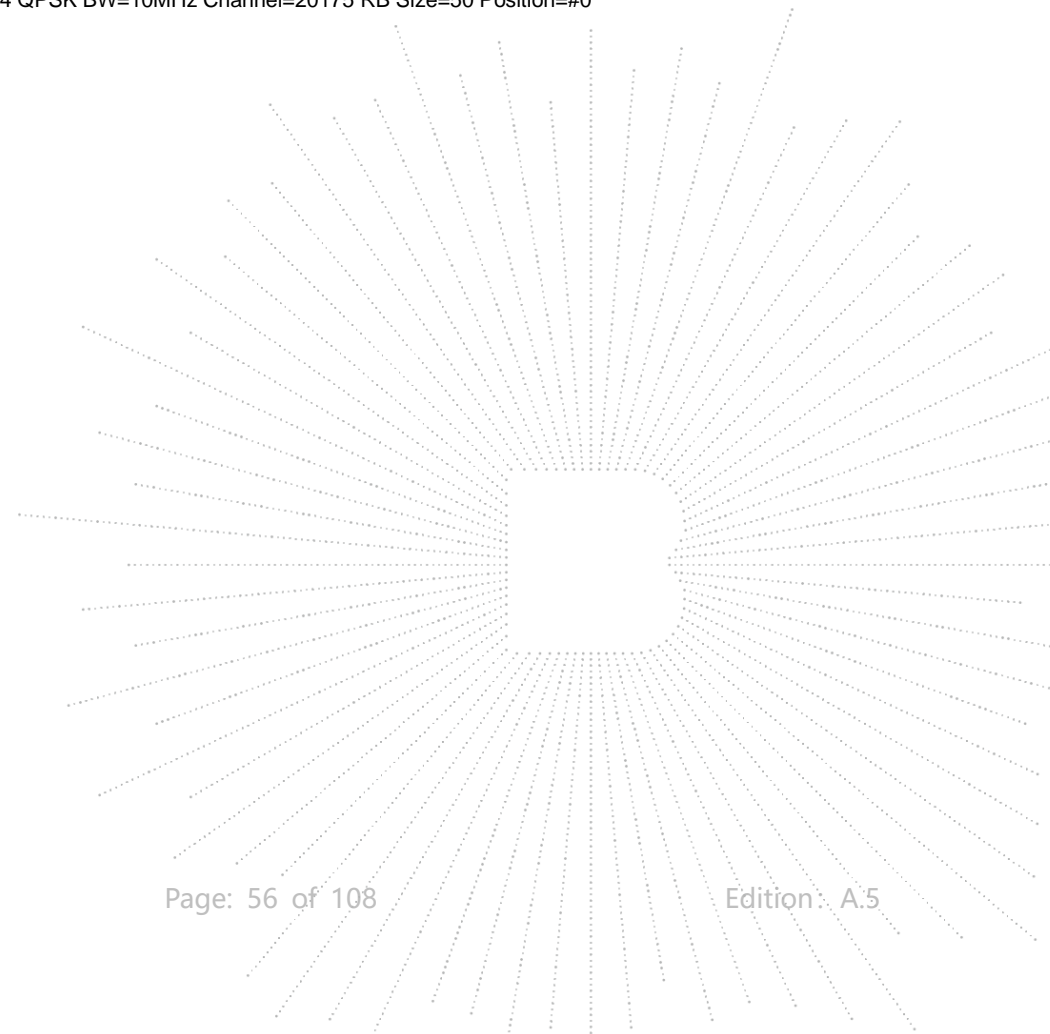
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

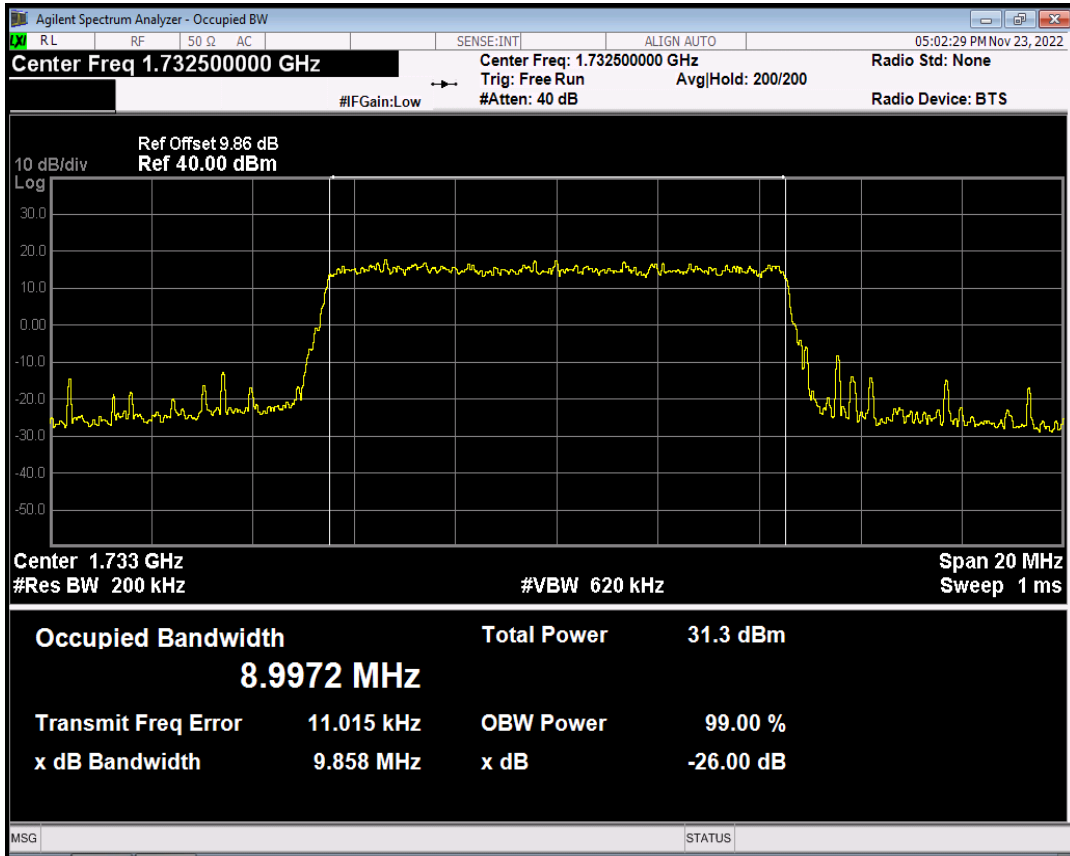


Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0

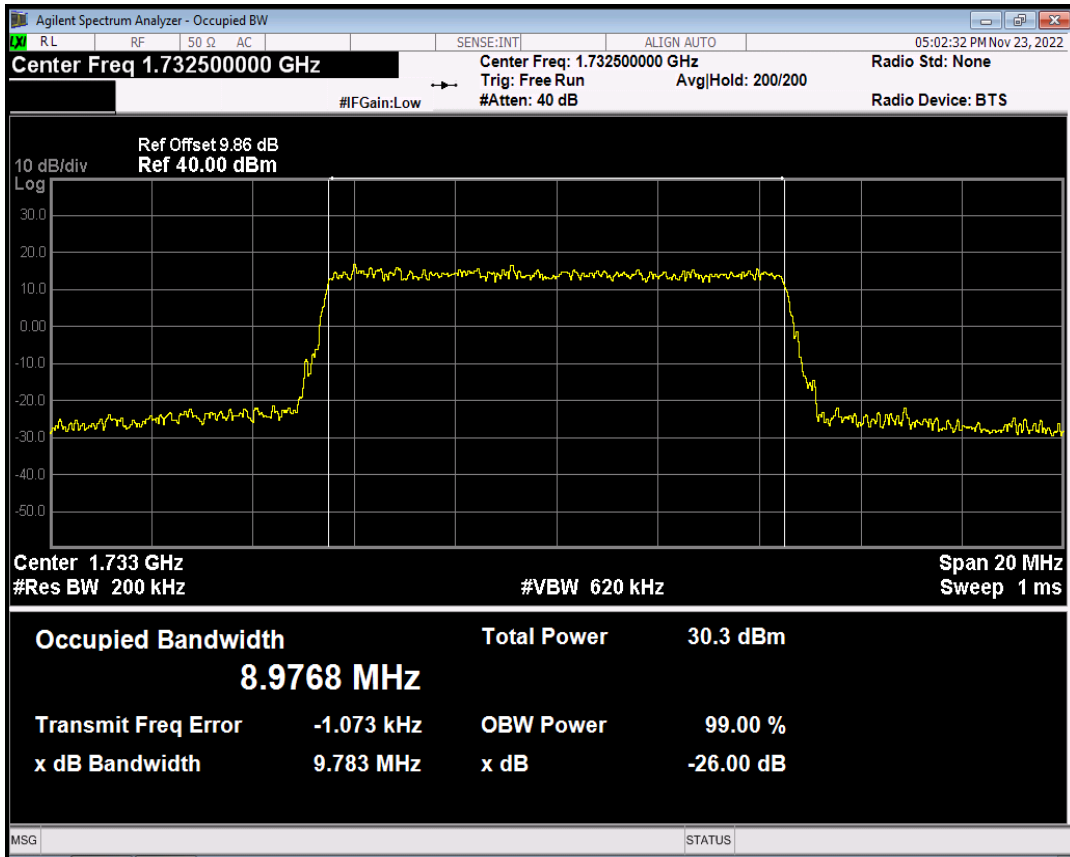


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

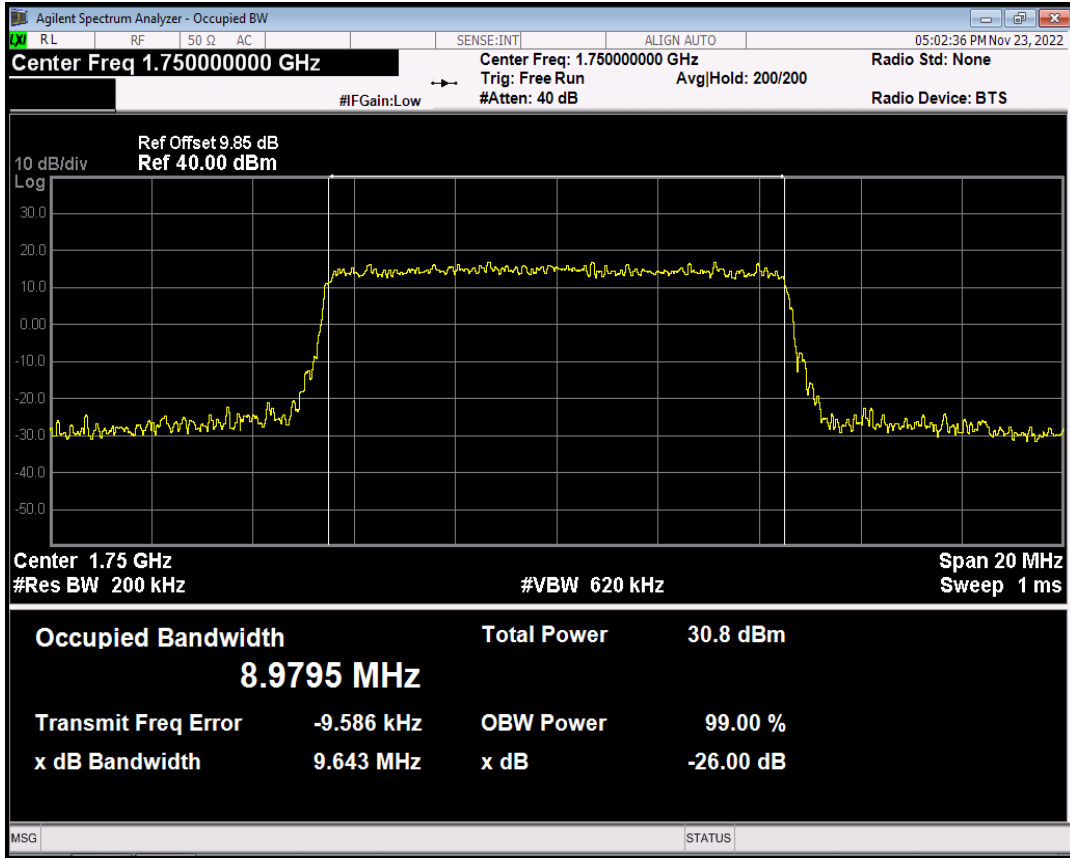




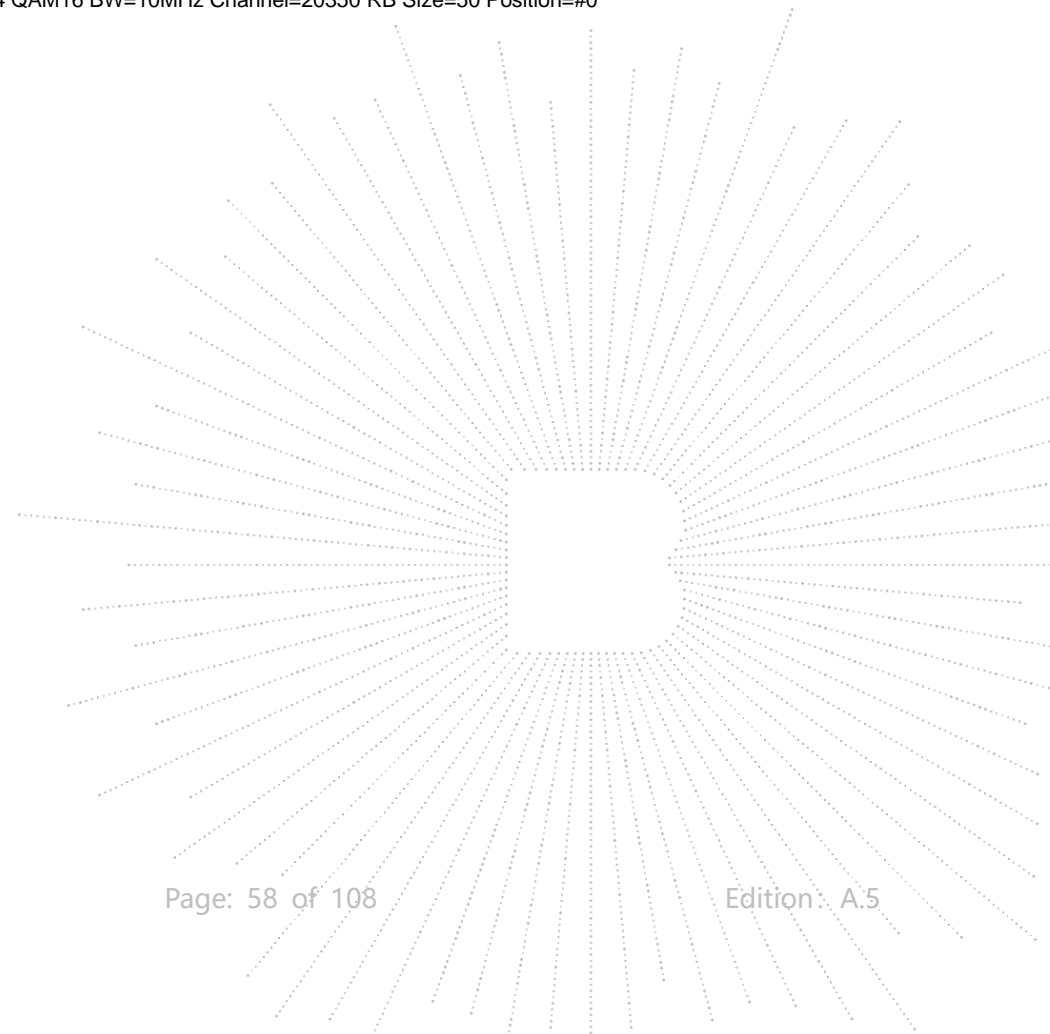
Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0

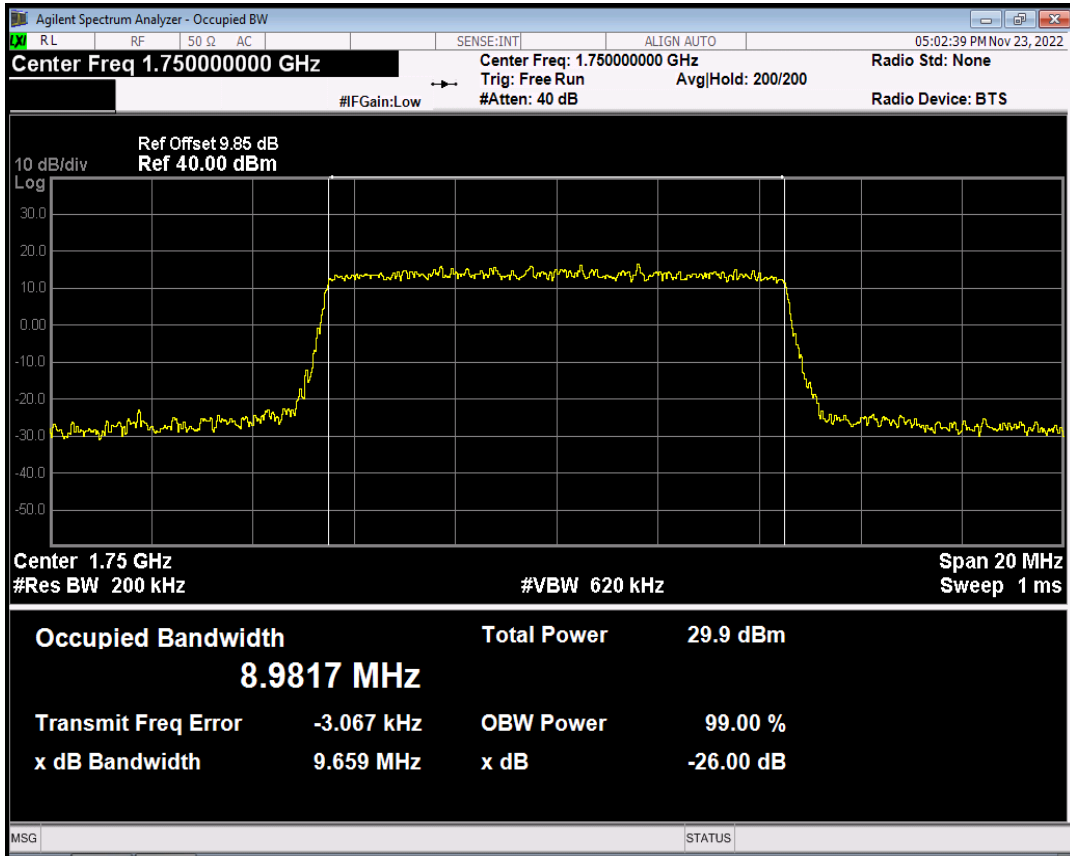


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

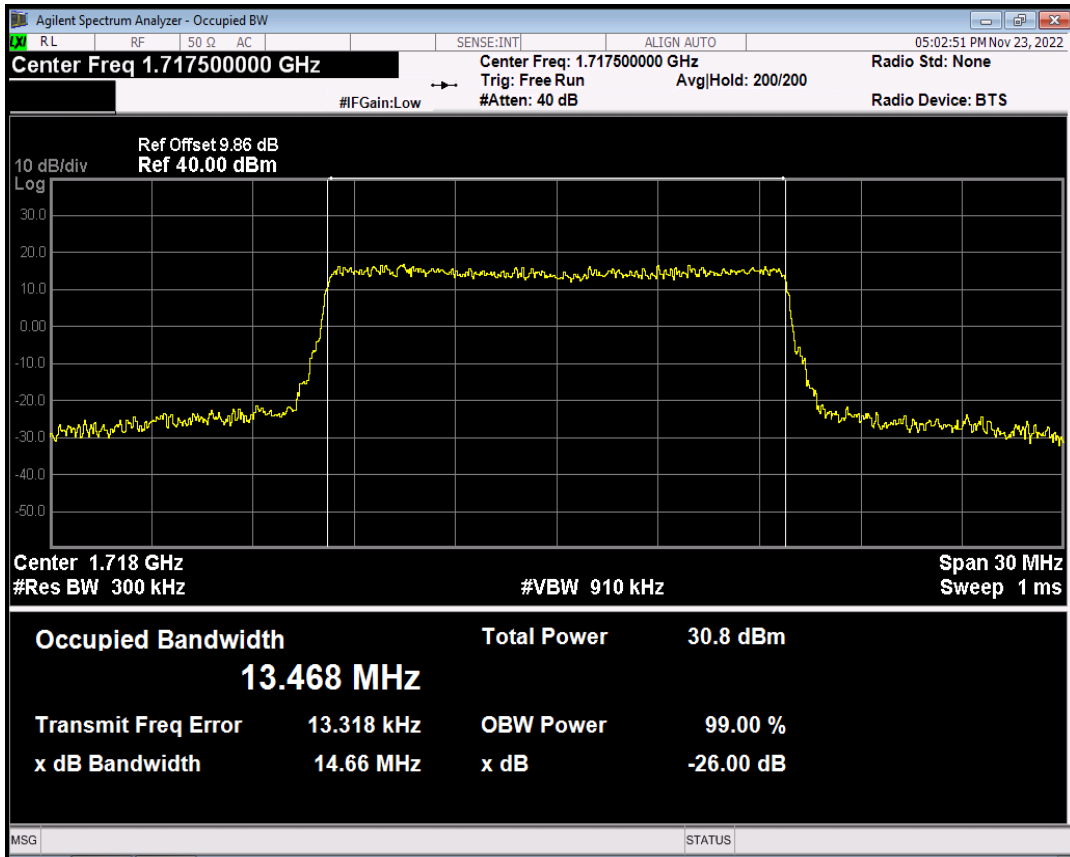


Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0

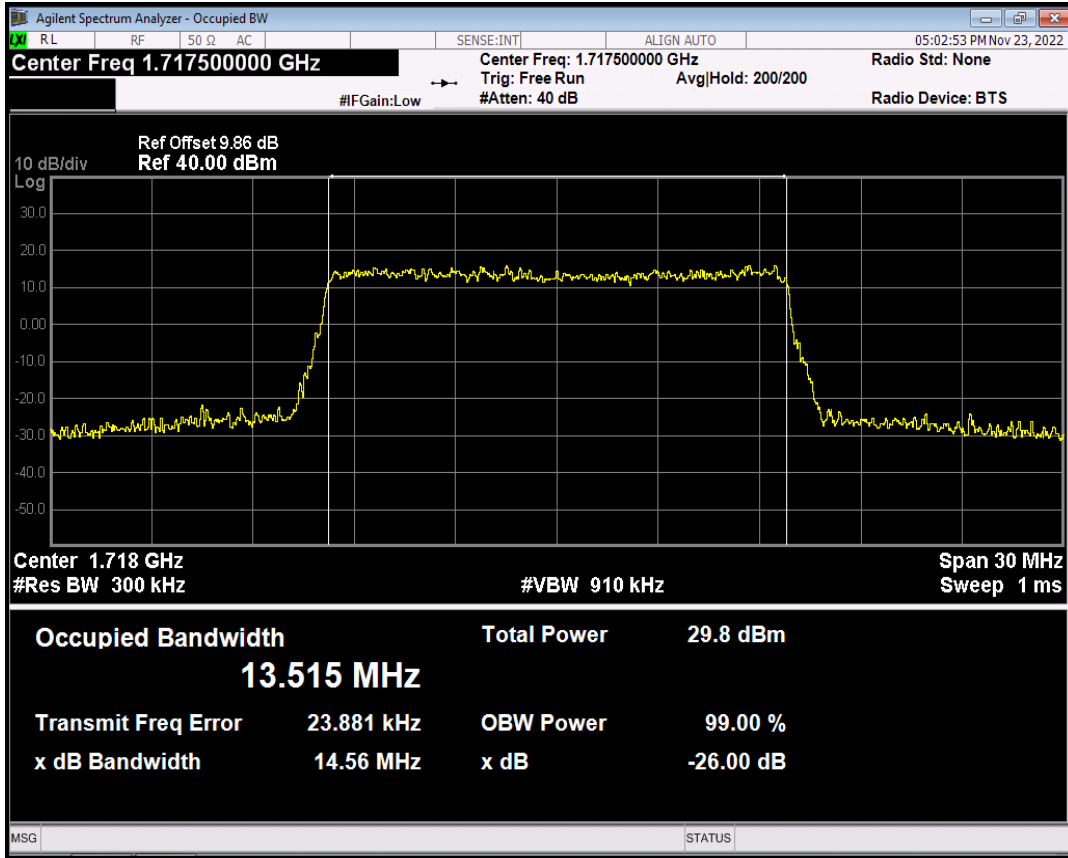




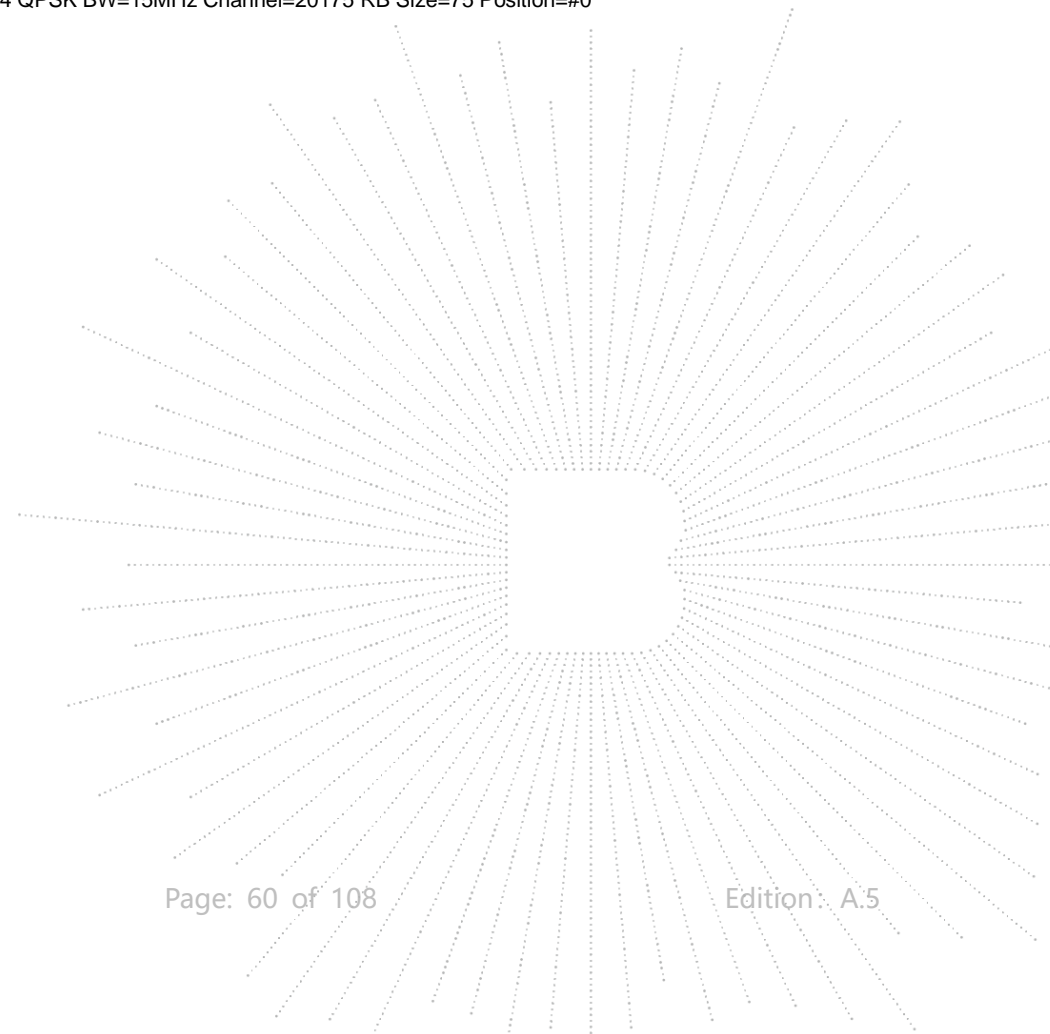
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

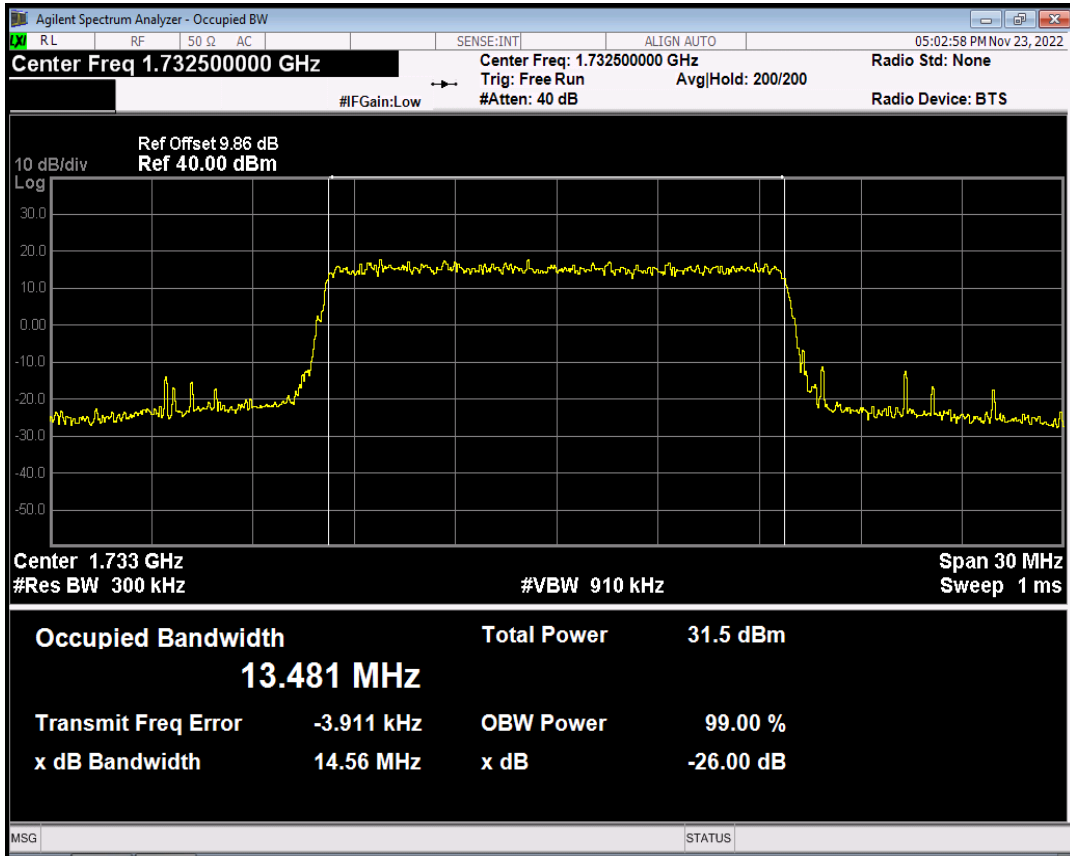


Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0

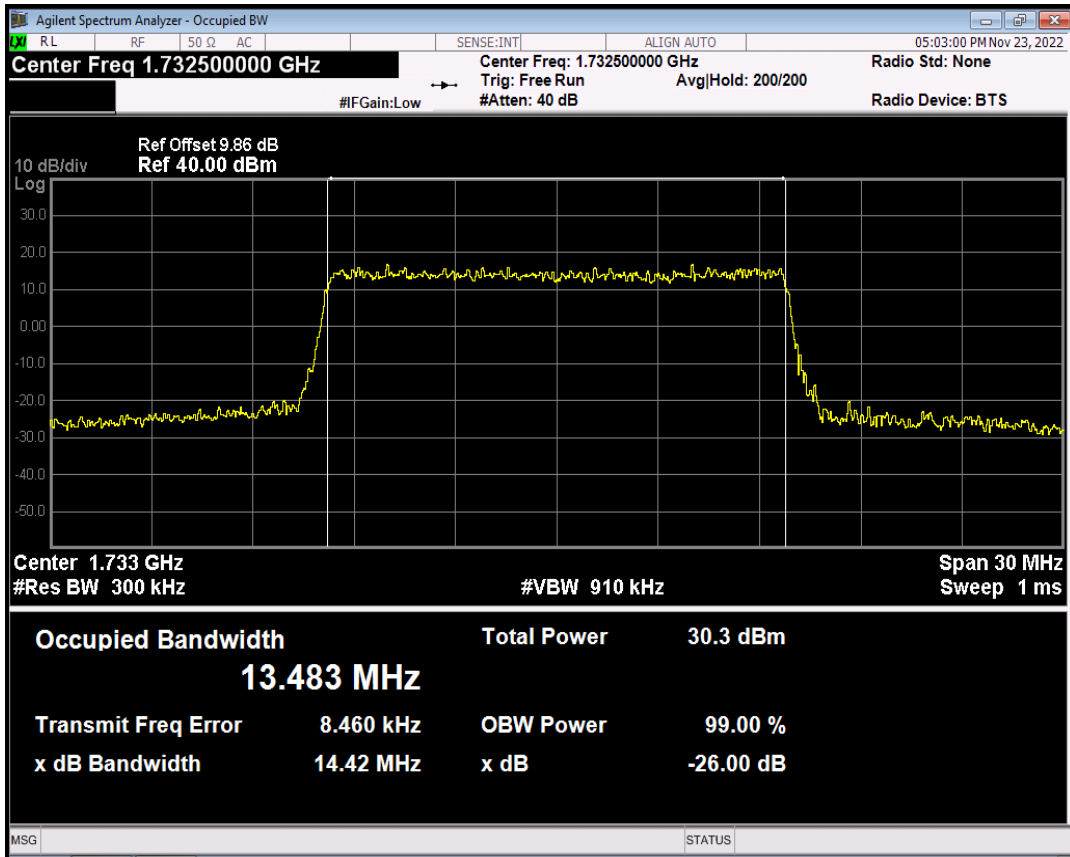


Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

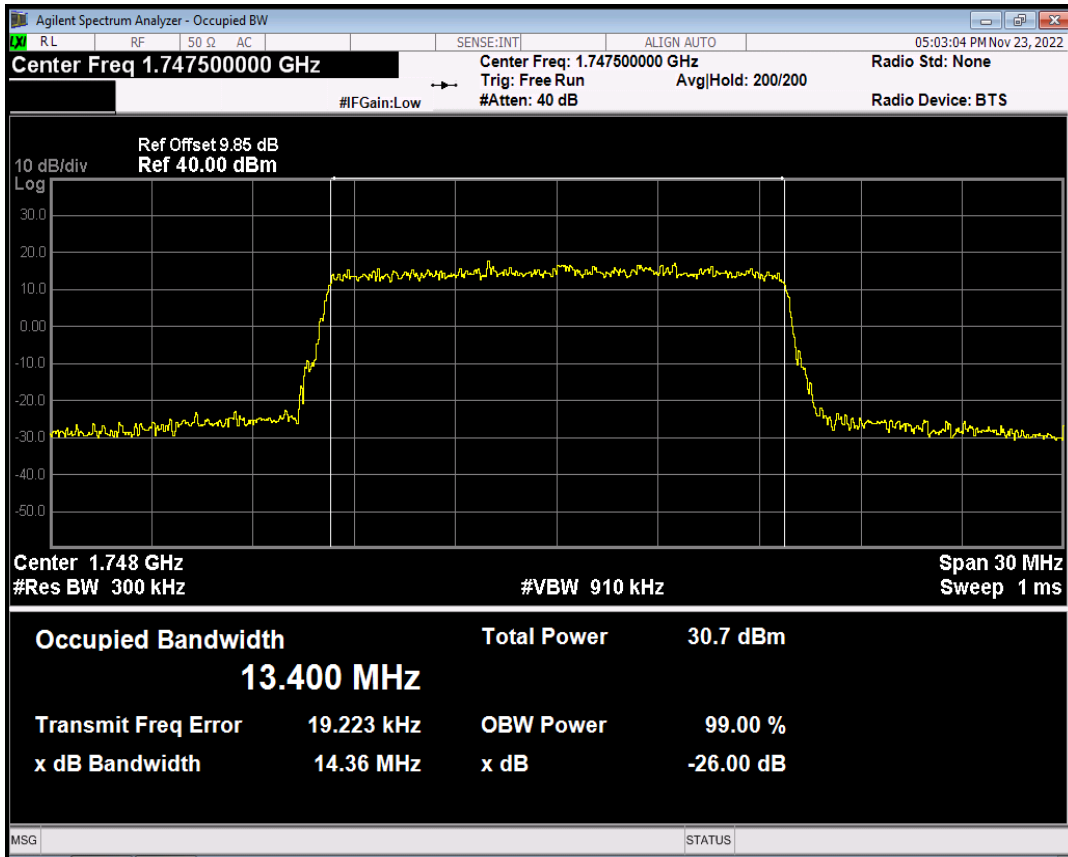




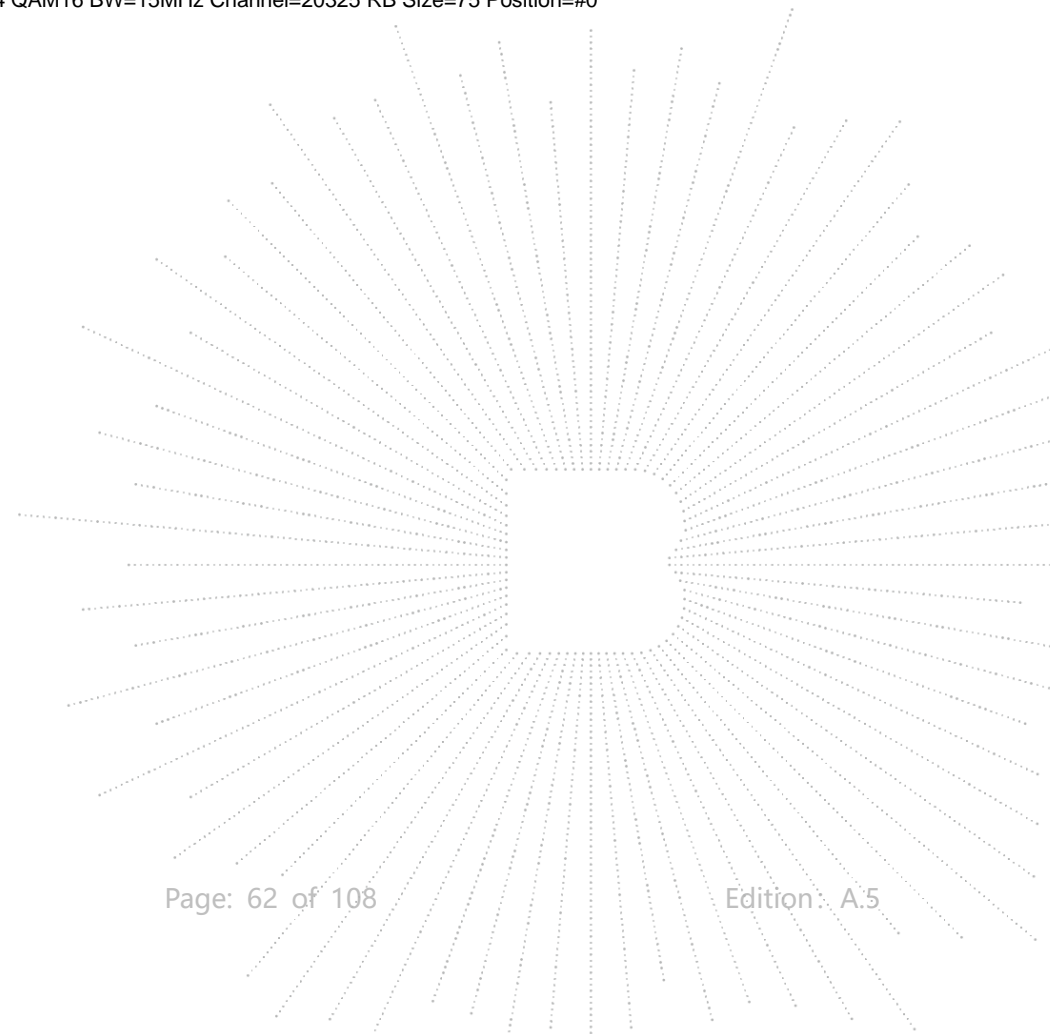
Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0

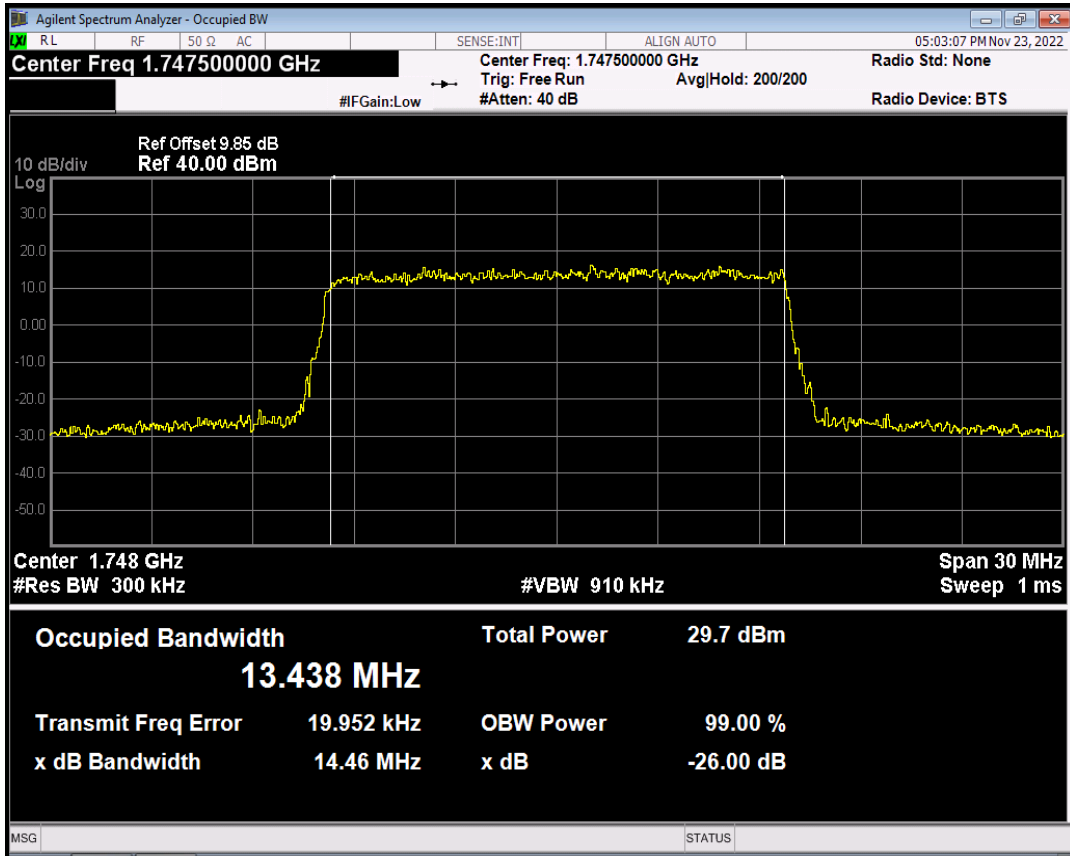


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

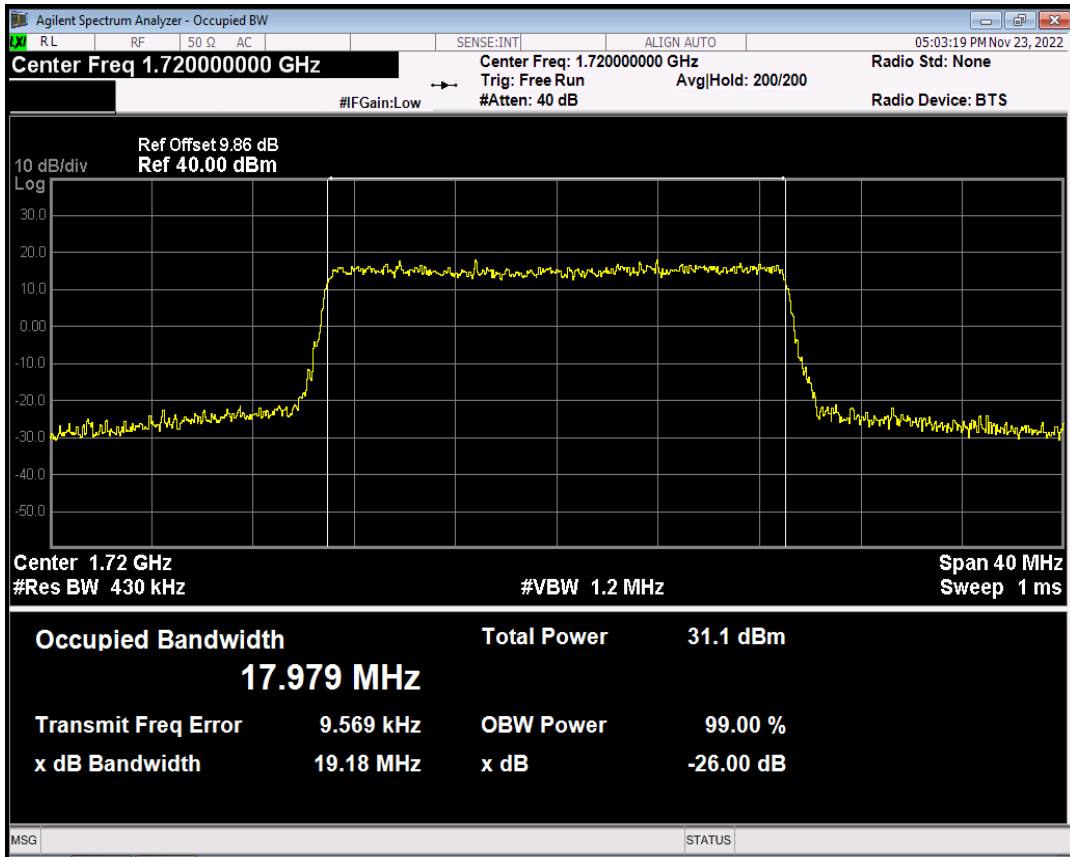


Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0

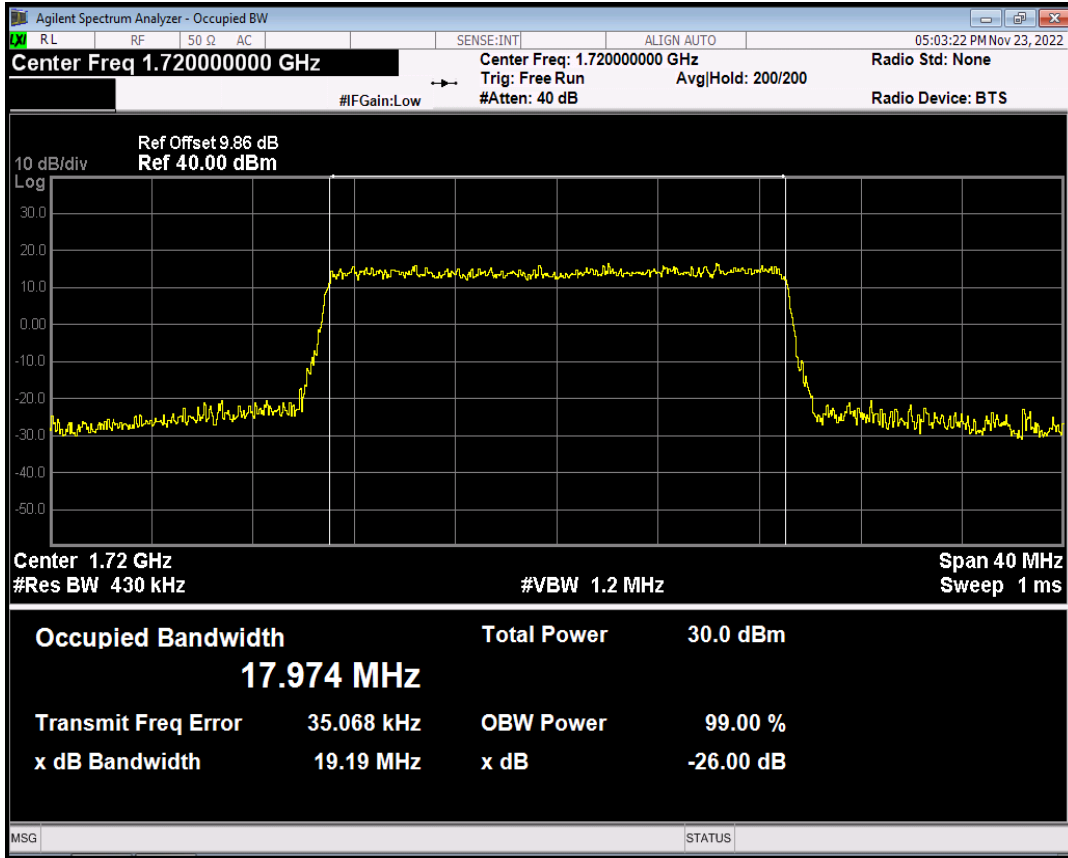




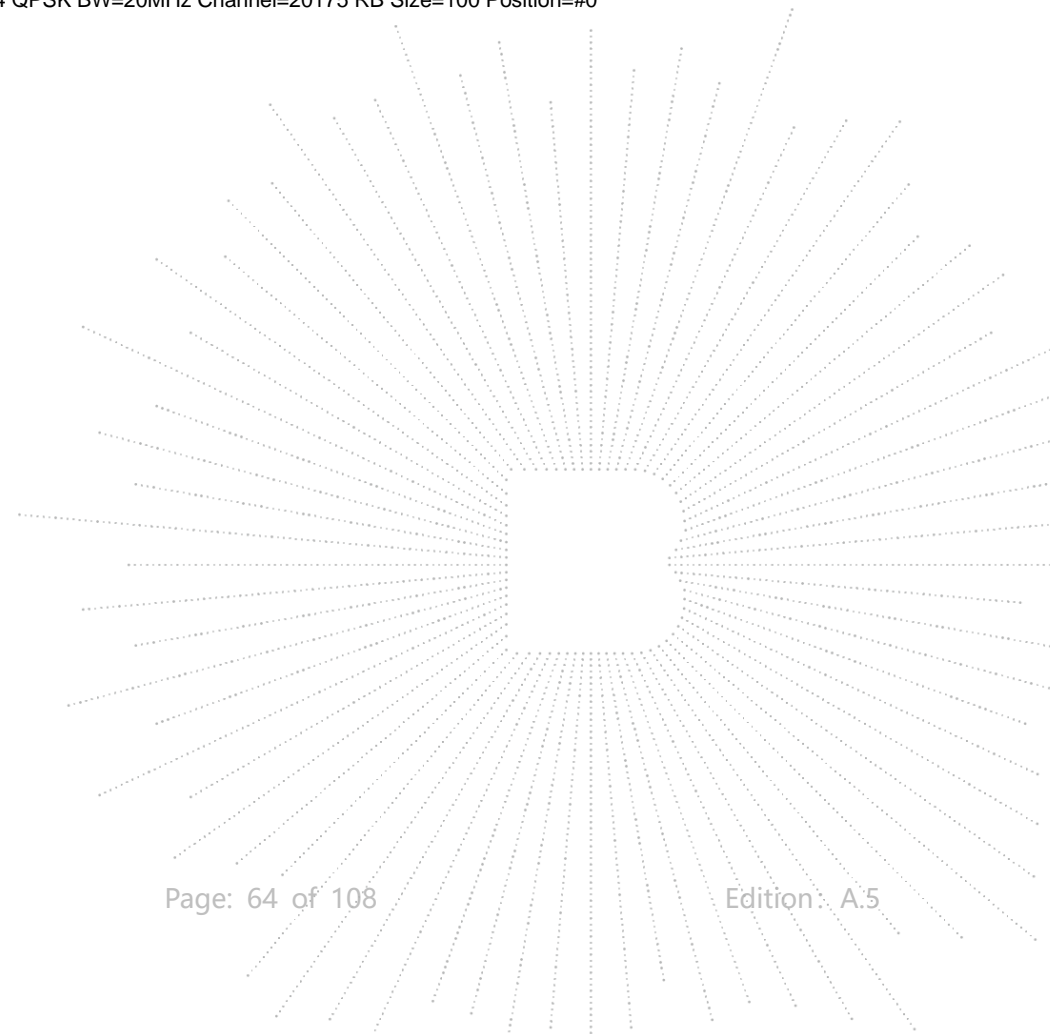
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

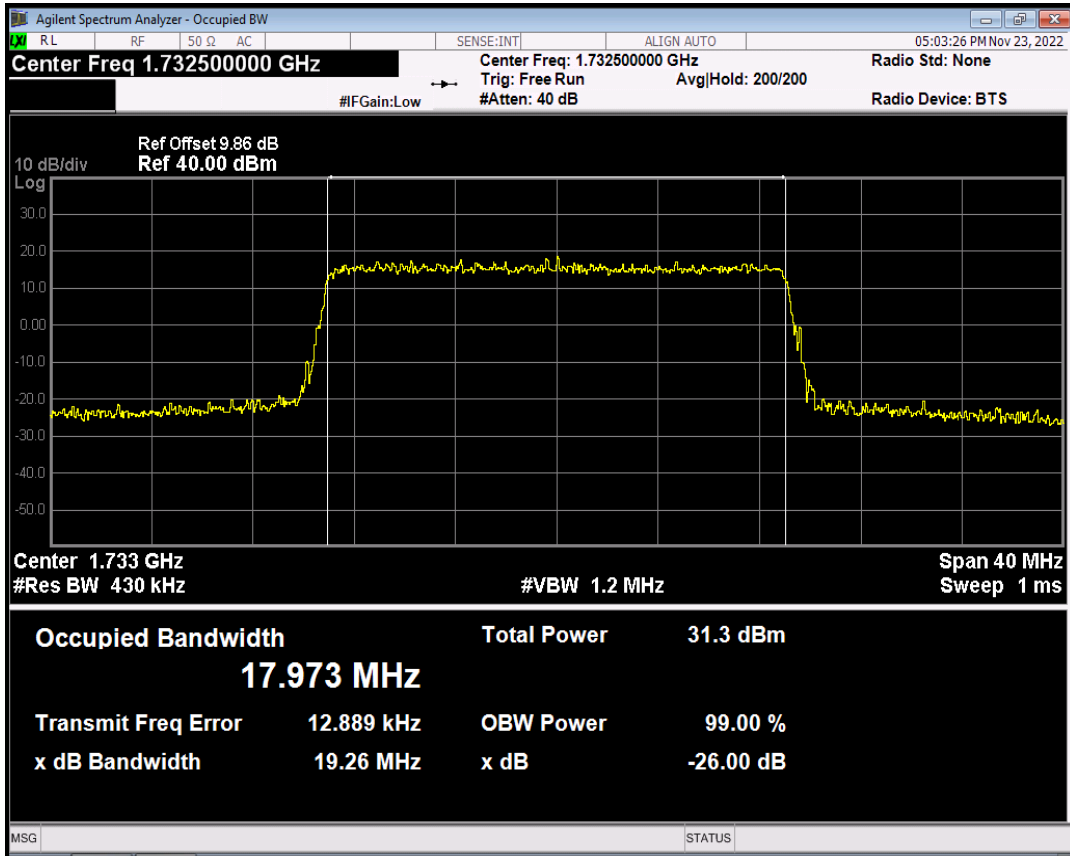


Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0

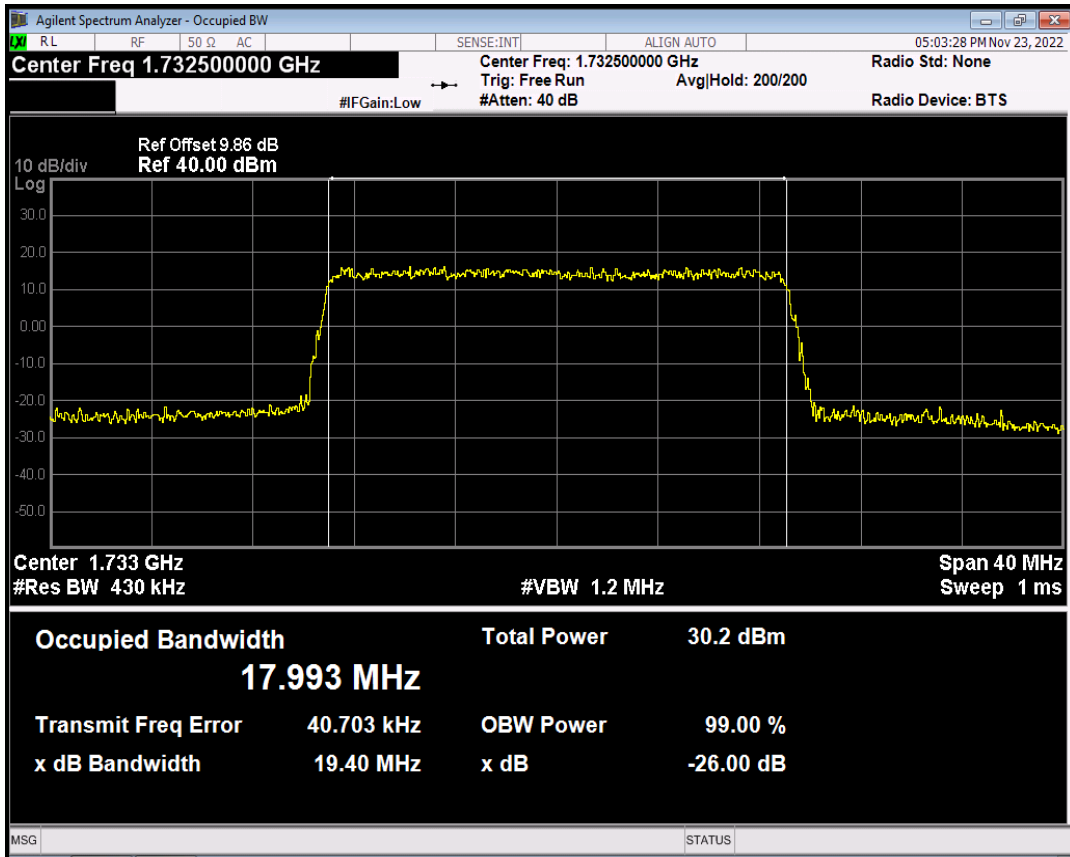


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

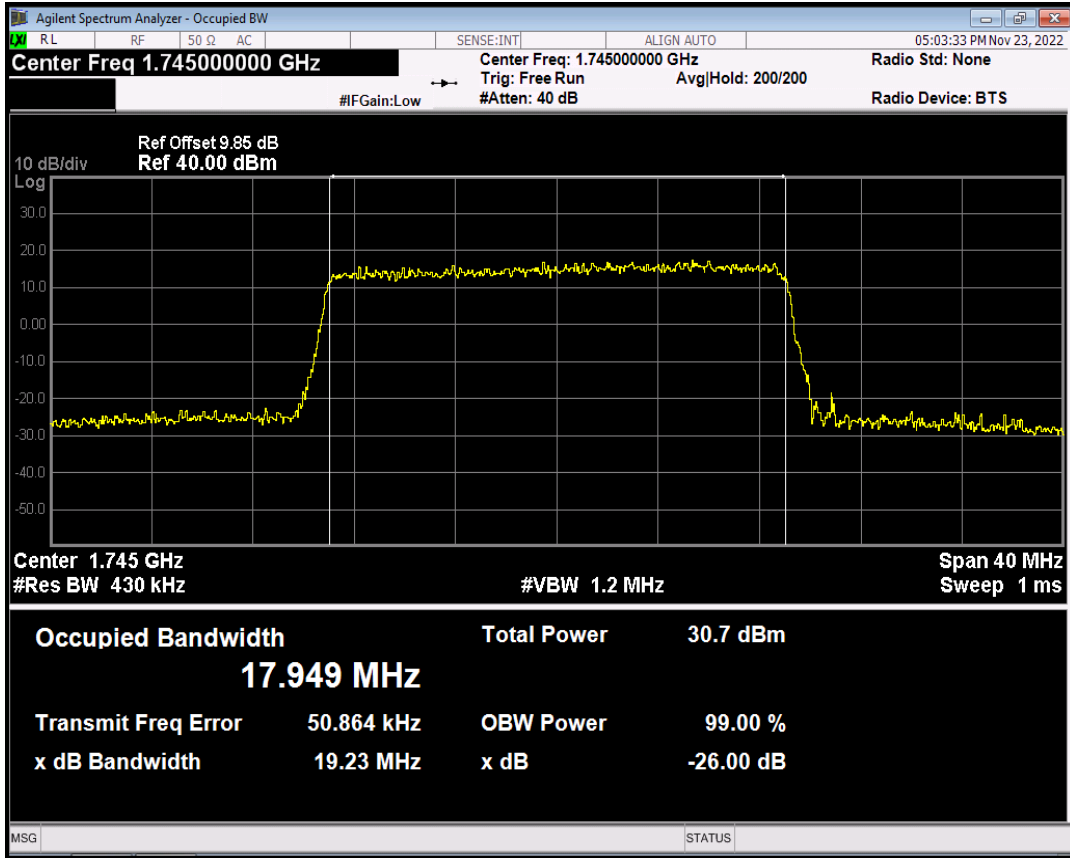




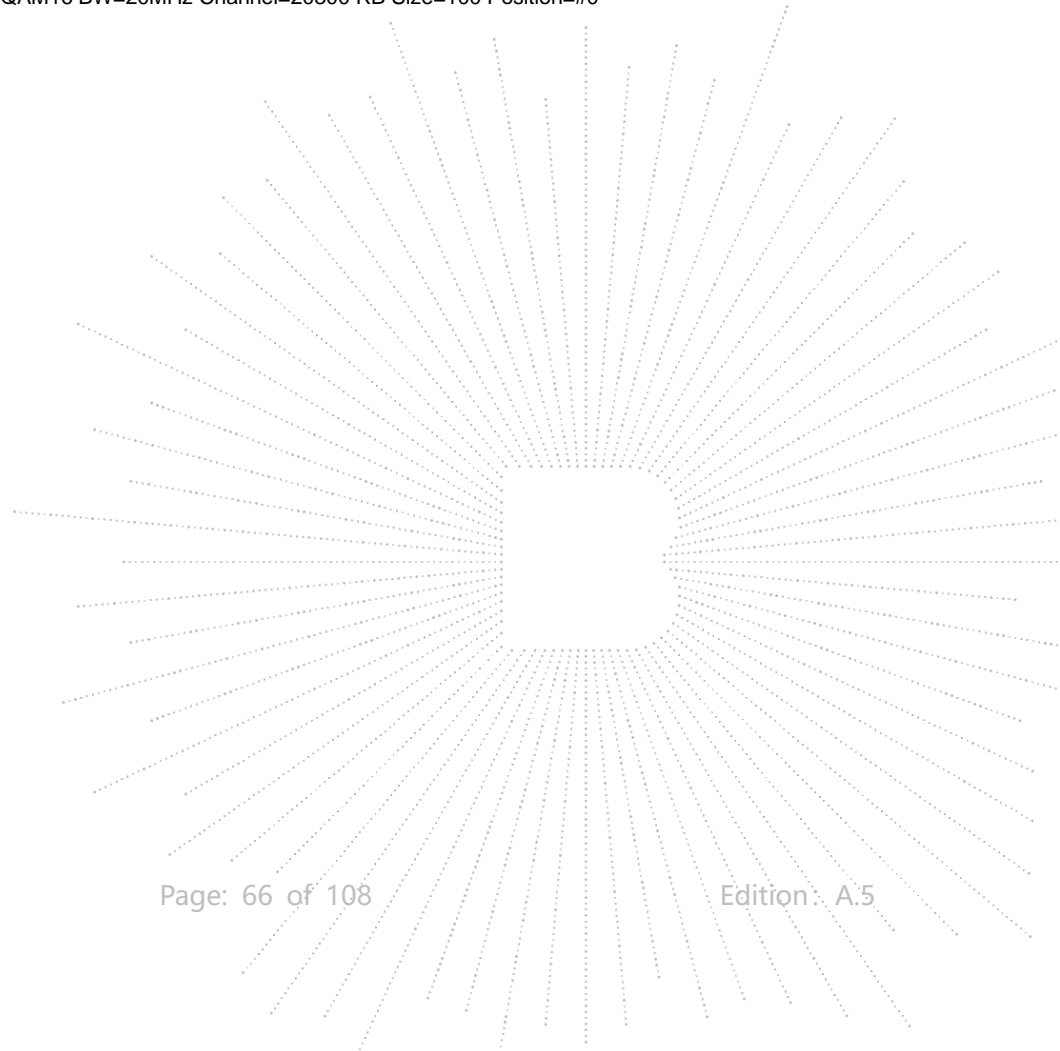
Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0

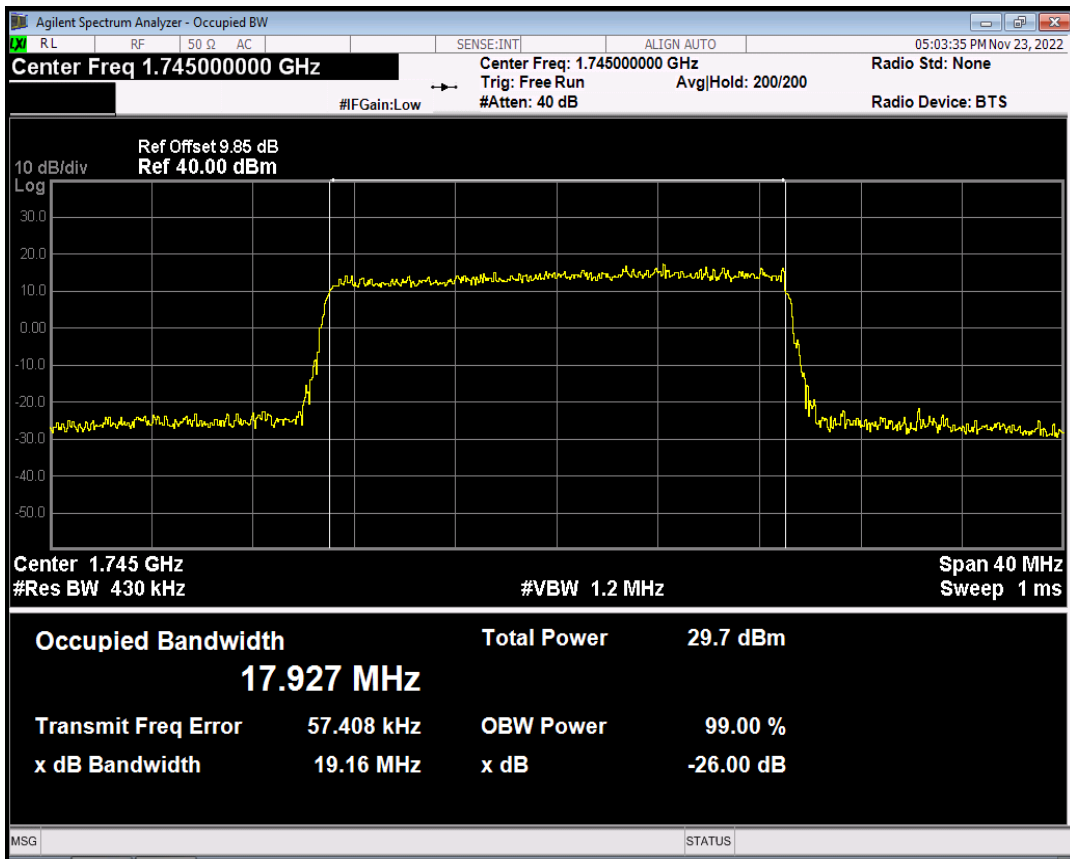


Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0



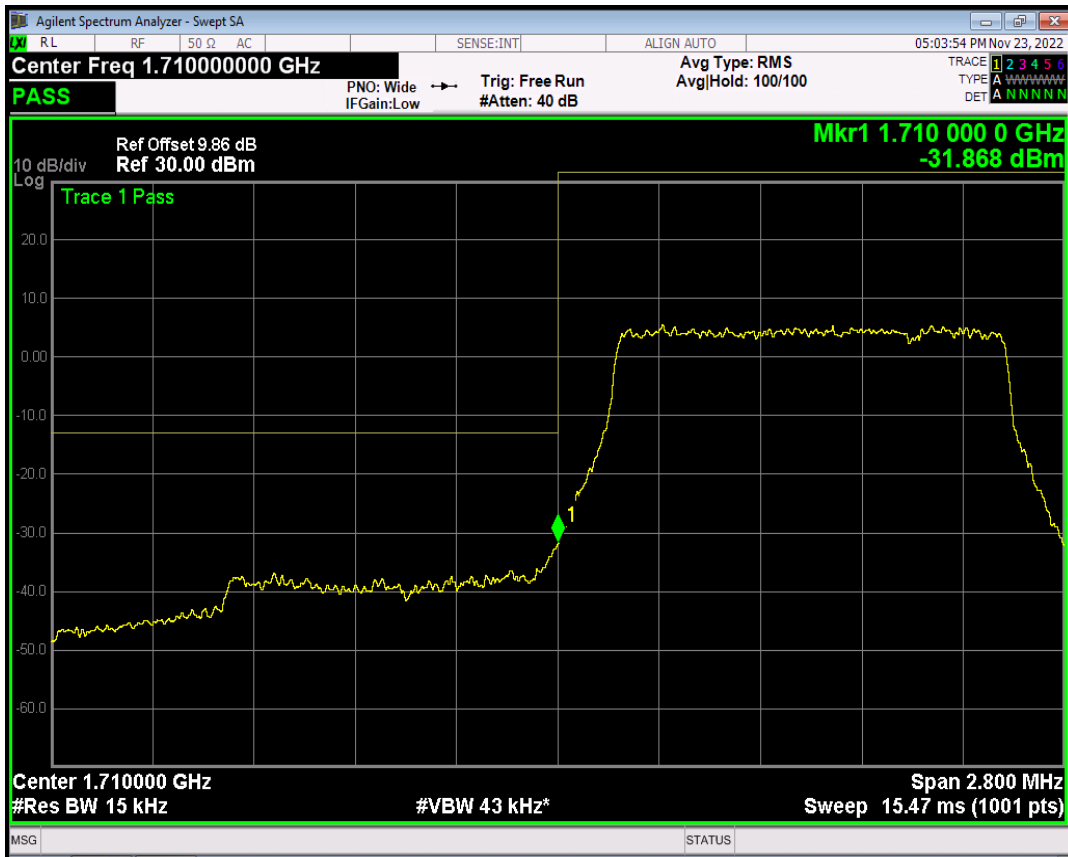


Appendix 5. Band edge

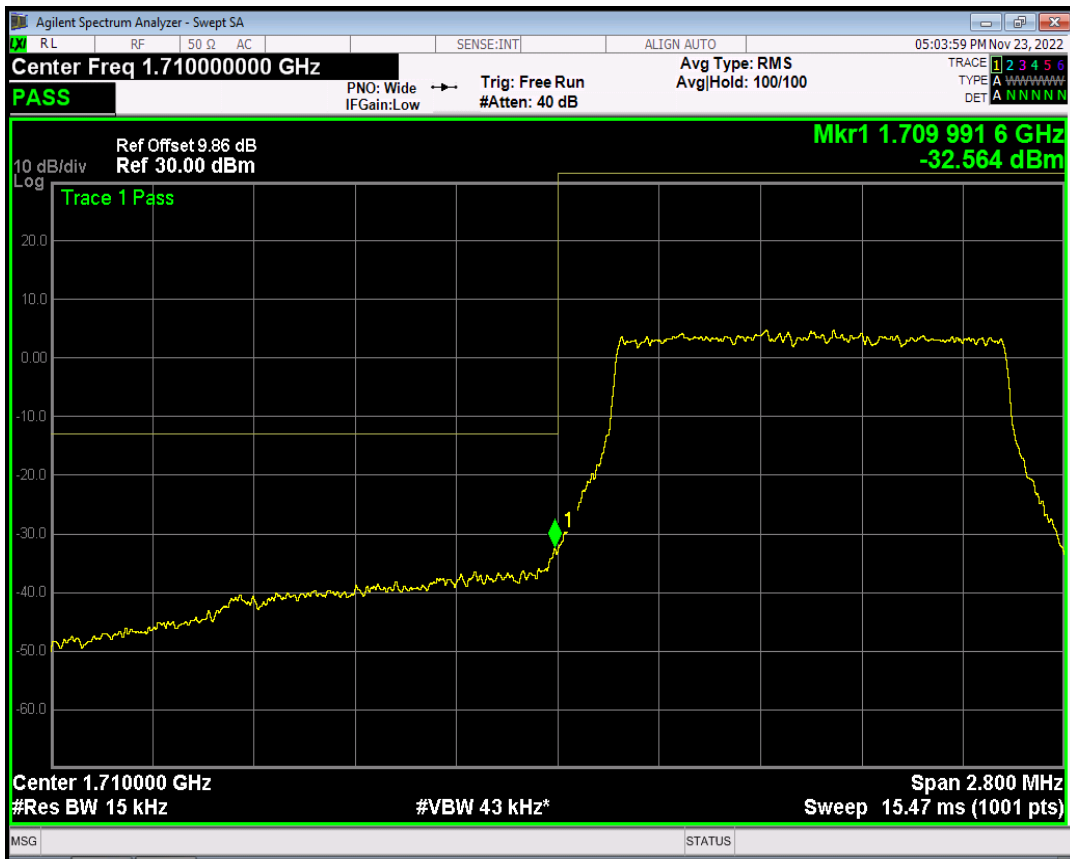
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1710.00	-31.86	-13	PASS
Band4	1.4	19957	6	#0	QAM16	1709.99	-32.56	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-30.60	-13	PASS
Band4	1.4	20393	6	#0	QAM16	1755.00	-30.77	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-34.17	-13	PASS
Band4	3	19965	15	#0	QAM16	1709.99	-34.70	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-31.96	-13	PASS
Band4	3	20385	15	#0	QAM16	1755.00	-32.65	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-33.57	-13	PASS
Band4	5	19975	25	#0	QAM16	1710.00	-32.69	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.01	-31.73	-13	PASS
Band4	5	20375	25	#0	QAM16	1755.00	-31.58	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.98	-35.60	-13	PASS
Band4	10	20000	50	#0	QAM16	1709.96	-35.56	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-36.30	-13	PASS
Band4	10	20350	50	#0	QAM16	1755.02	-35.12	-13	PASS

Band4	15	20025	75	#0	QPSK	1709.58	-33.72	-13	PASS
Band4	15	20025	75	#0	QAM16	1709.64	-35.01	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-35.38	-13	PASS
Band4	15	20325	75	#0	QAM16	1755.03	-36.81	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.88	-33.29	-13	PASS
Band4	20	20050	100	#0	QAM16	1708.00	-32.43	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.08	-36.78	-13	PASS
Band4	20	20300	100	#0	QAM16	1755.48	-35.53	-13	PASS

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



Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0



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

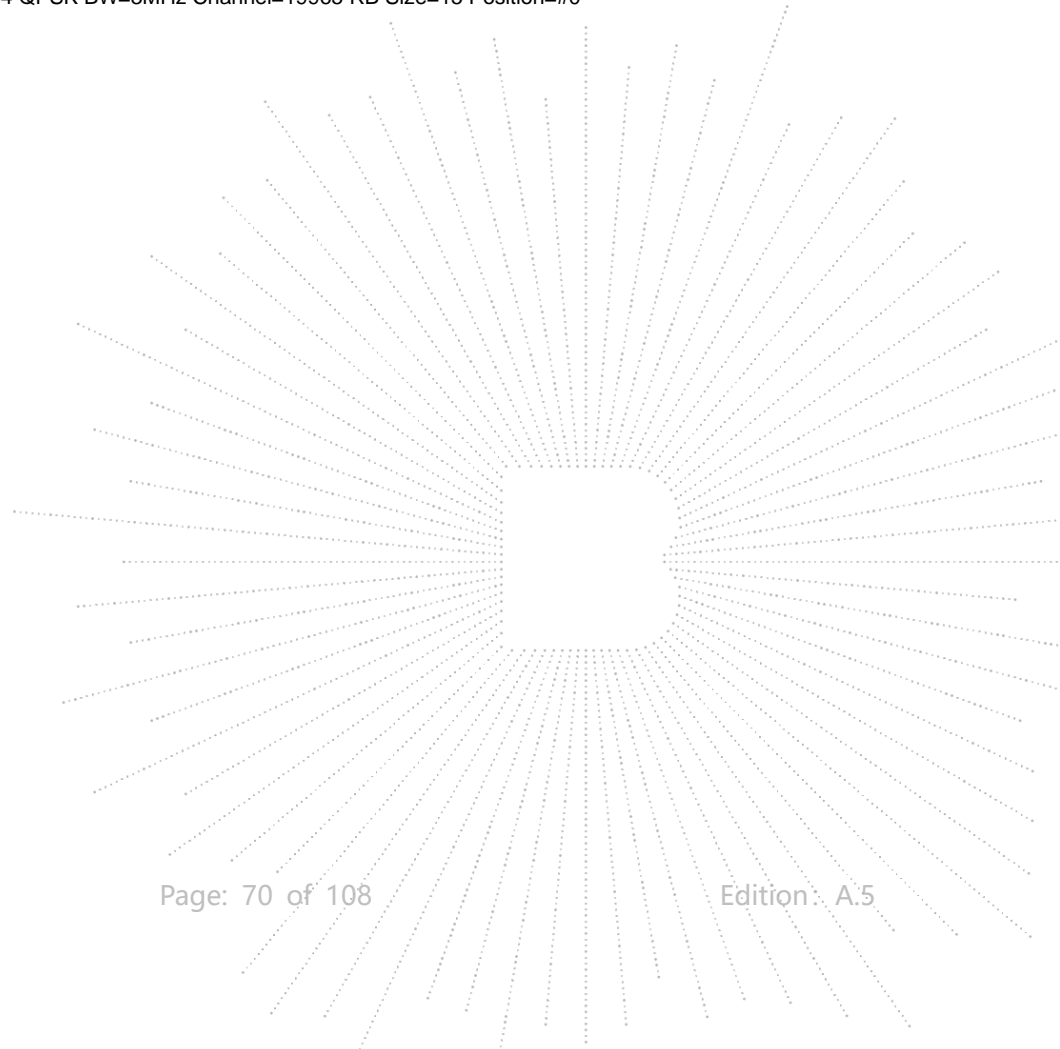


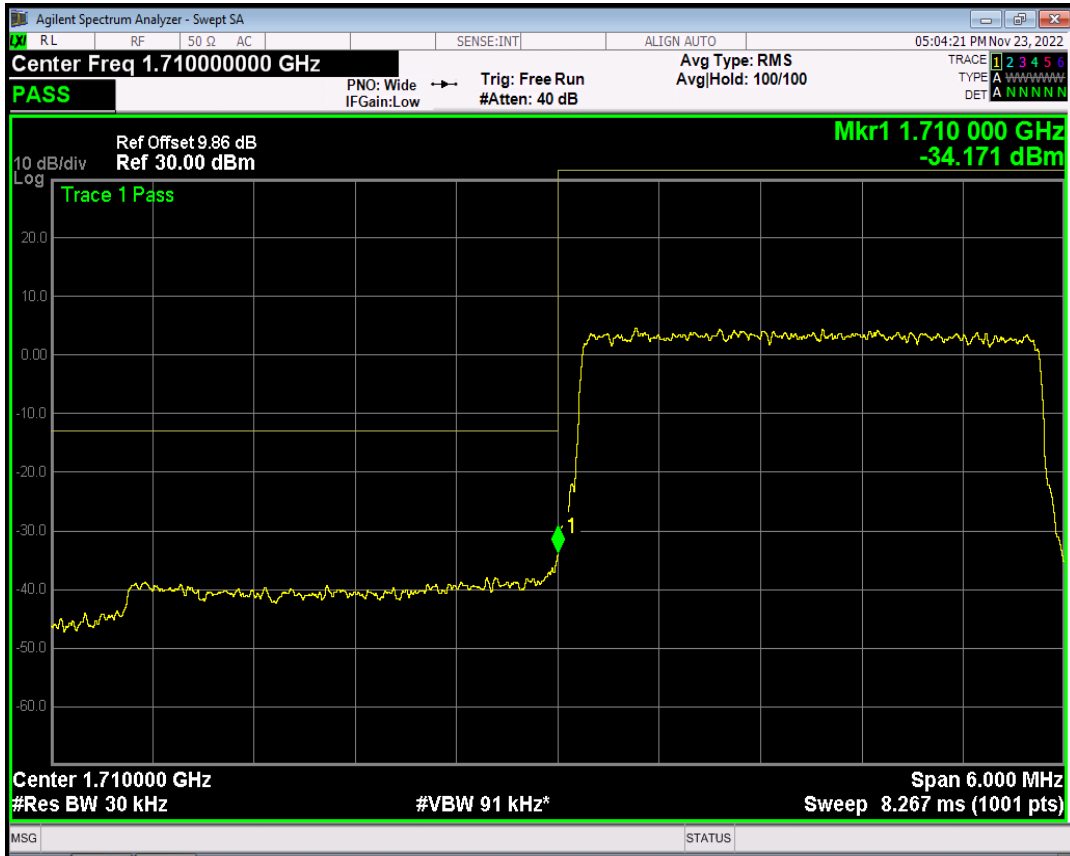


Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0

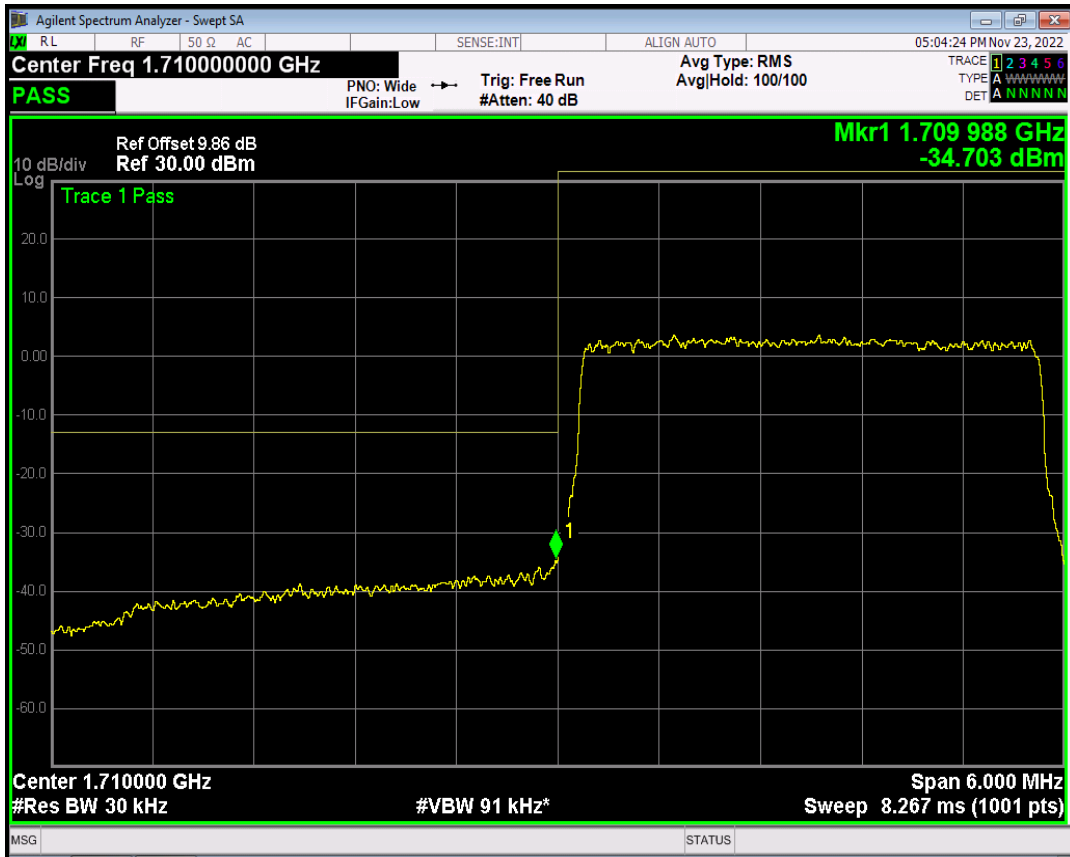


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



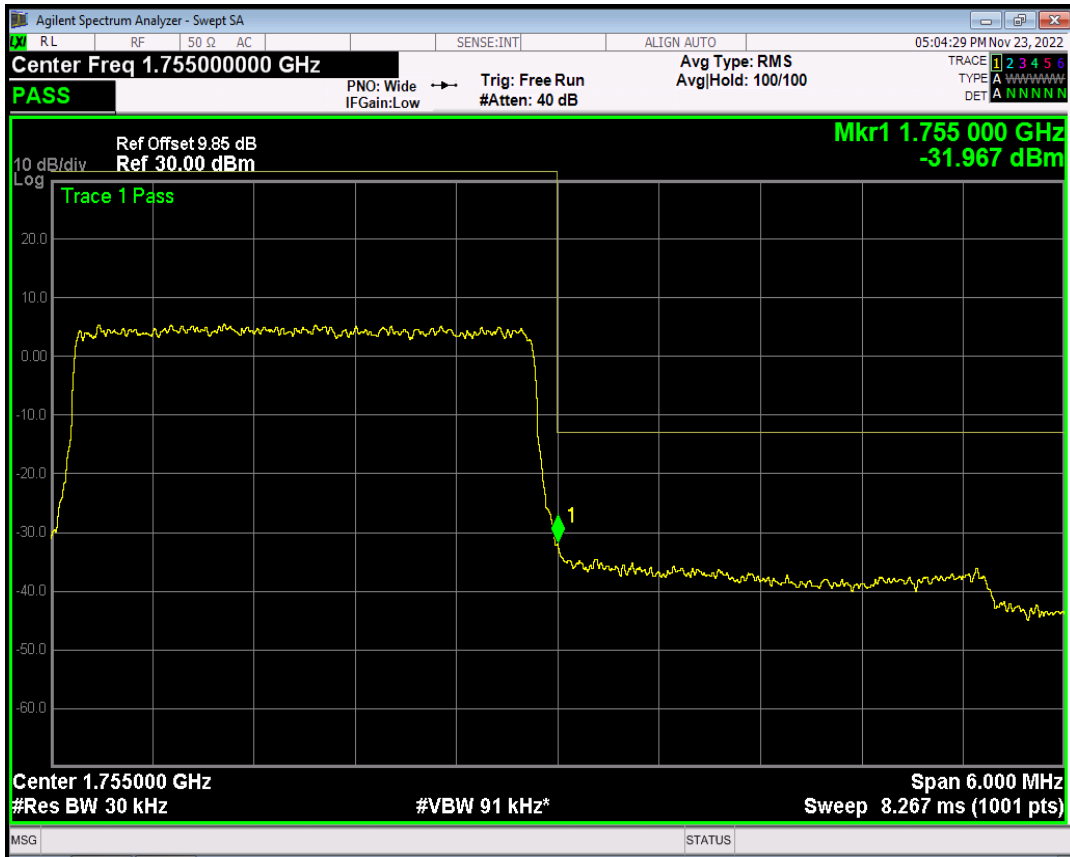


Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0

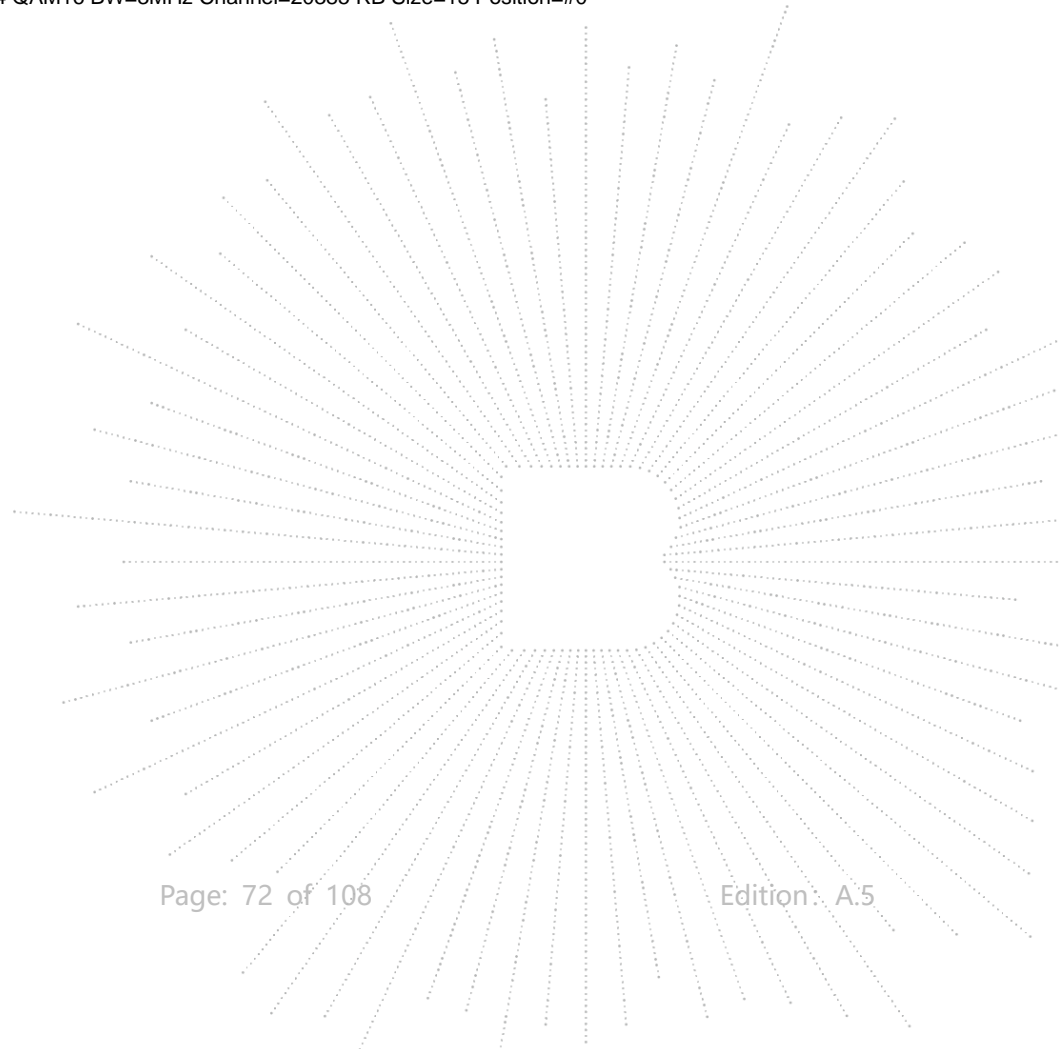


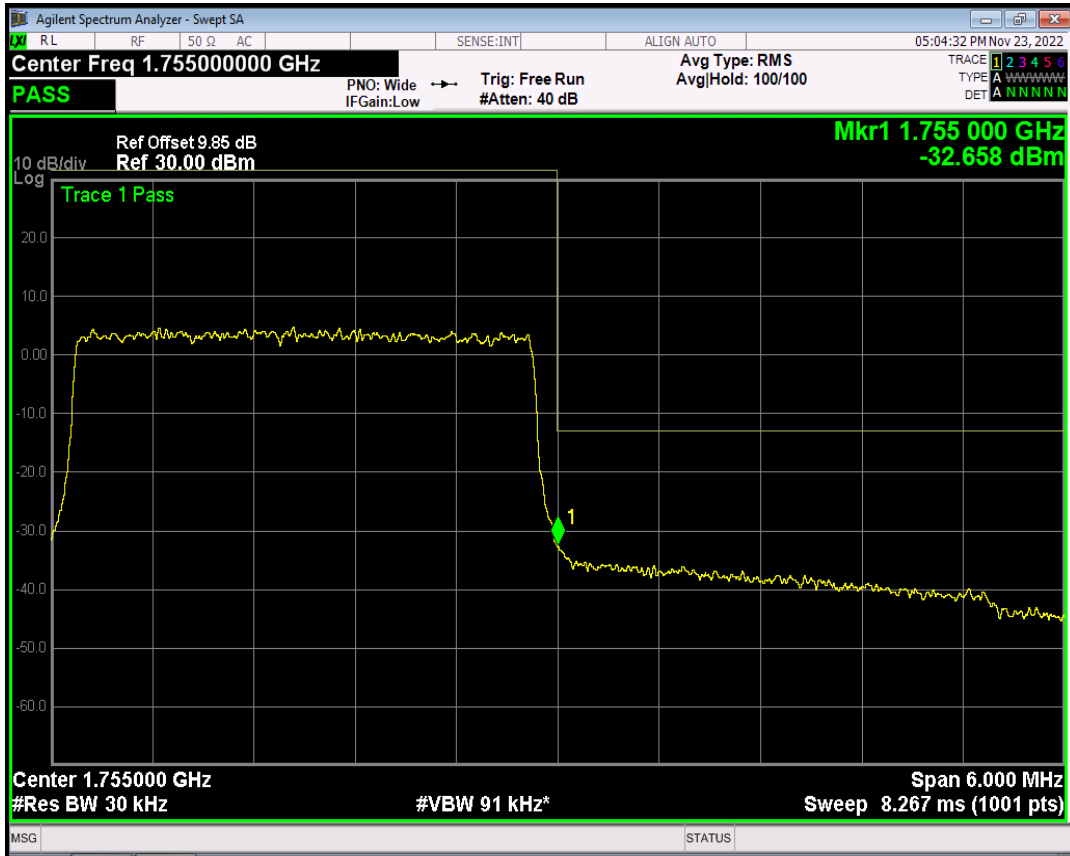


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

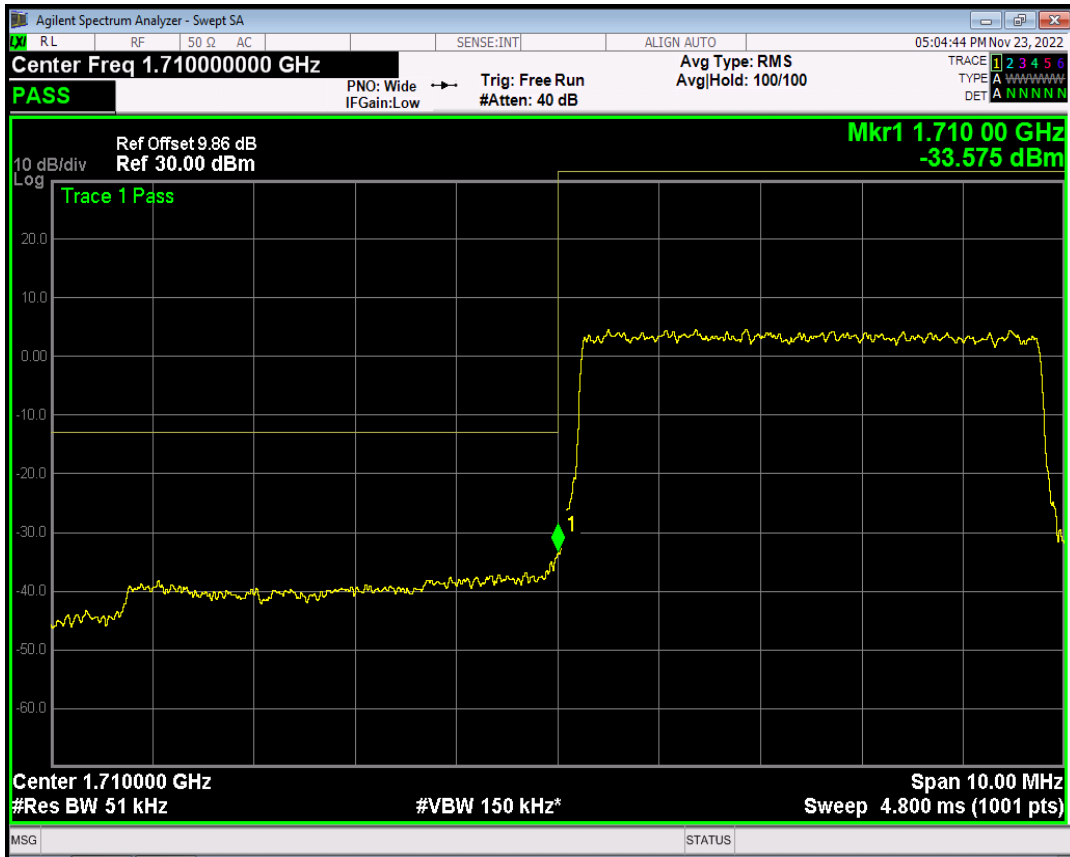


Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



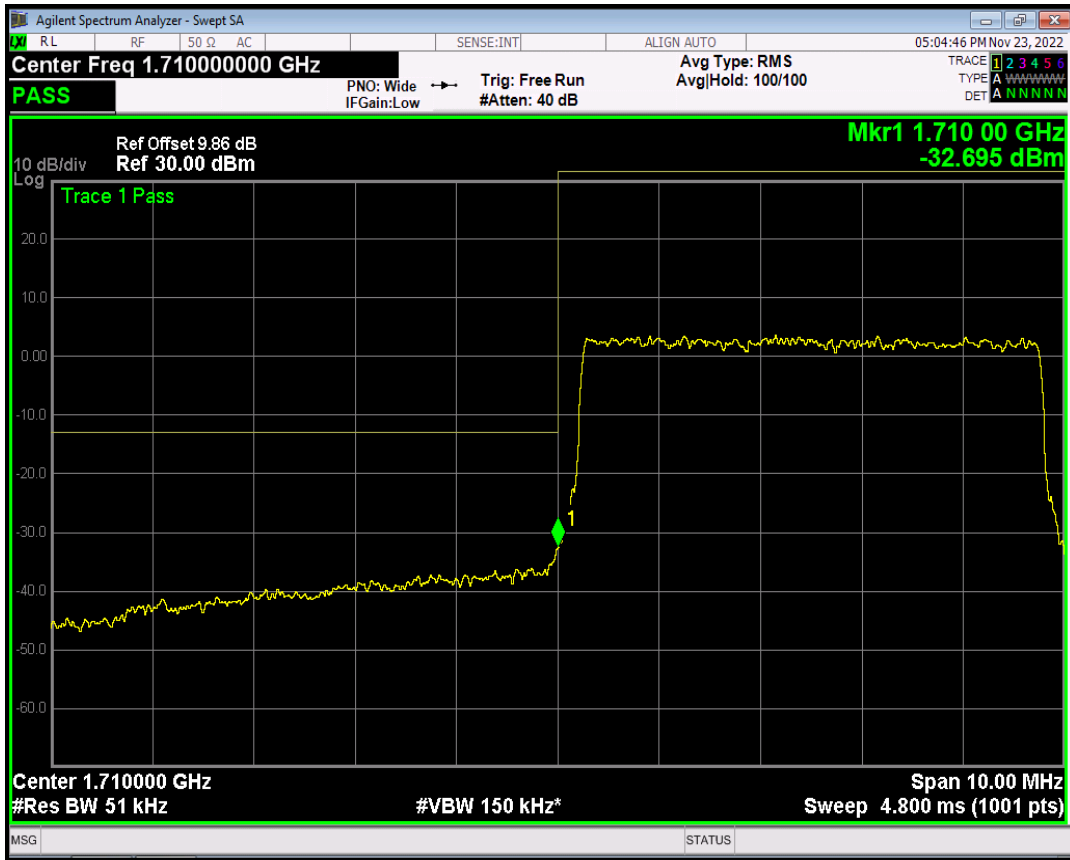


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

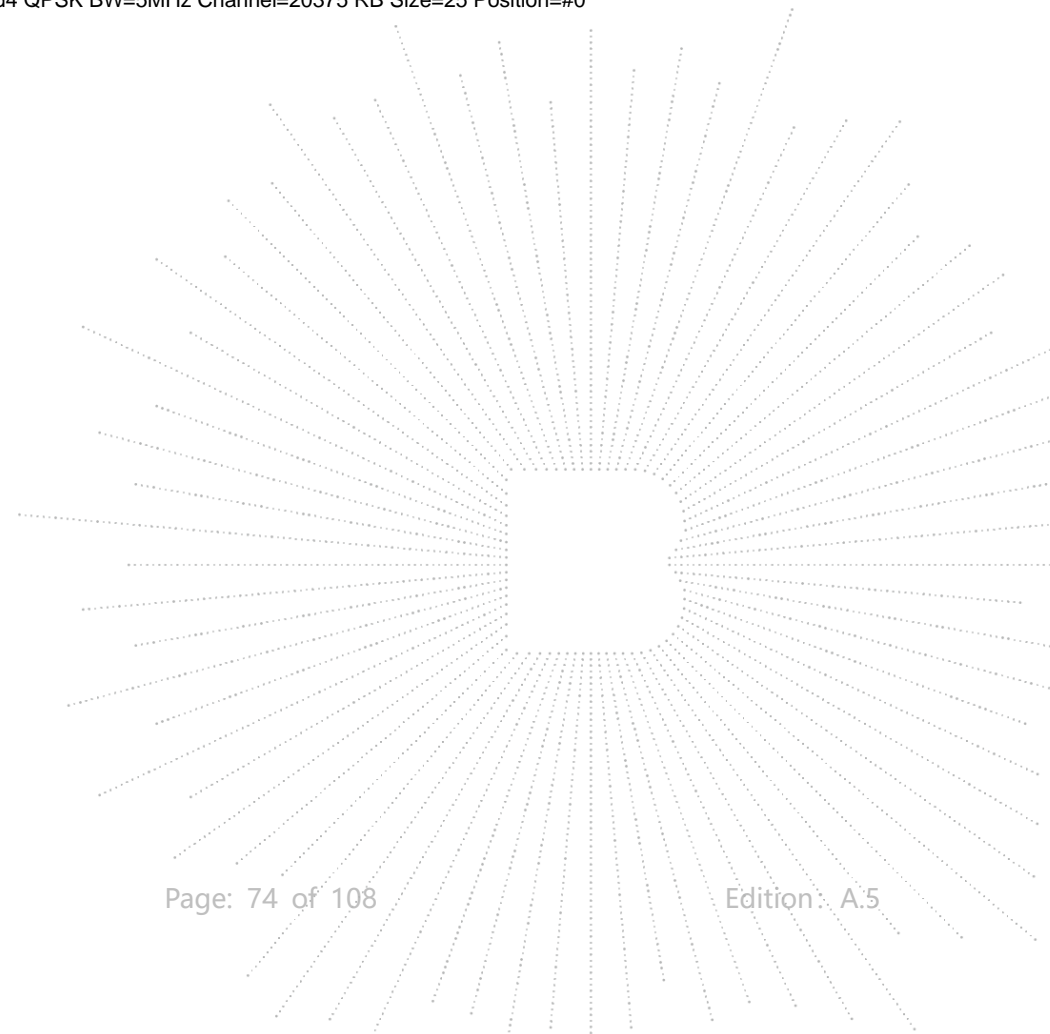


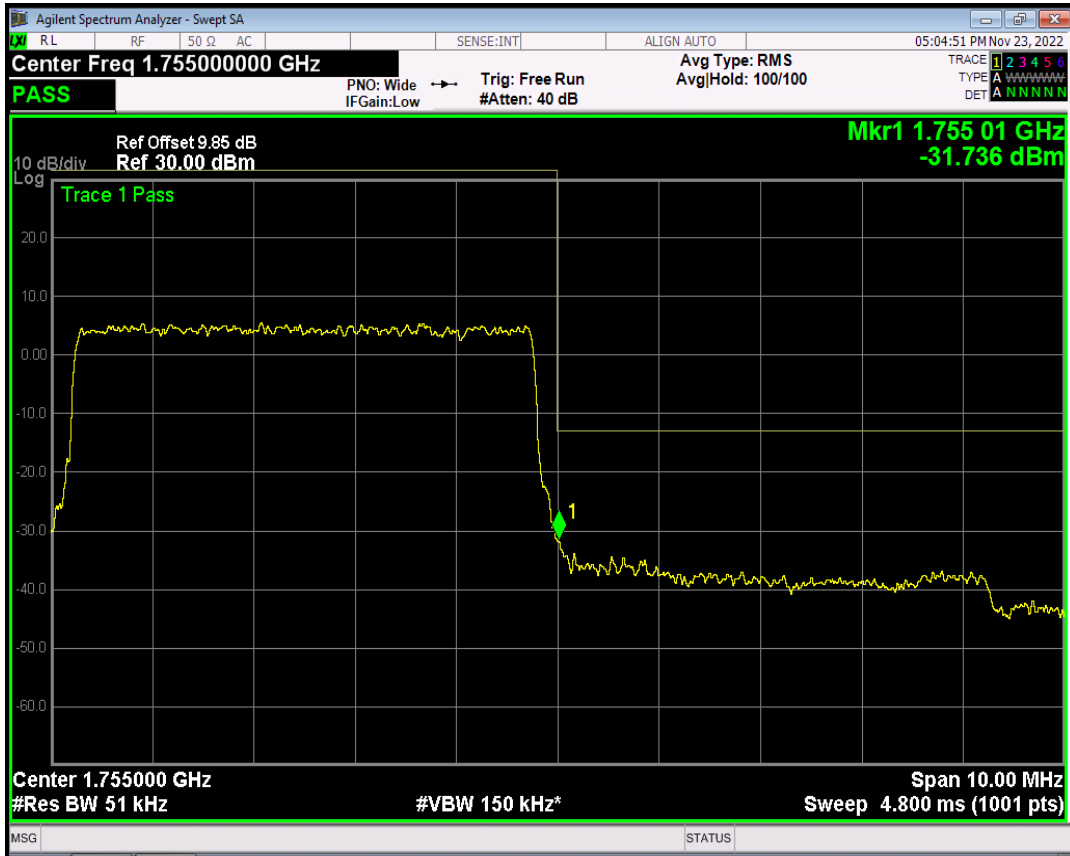


Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0

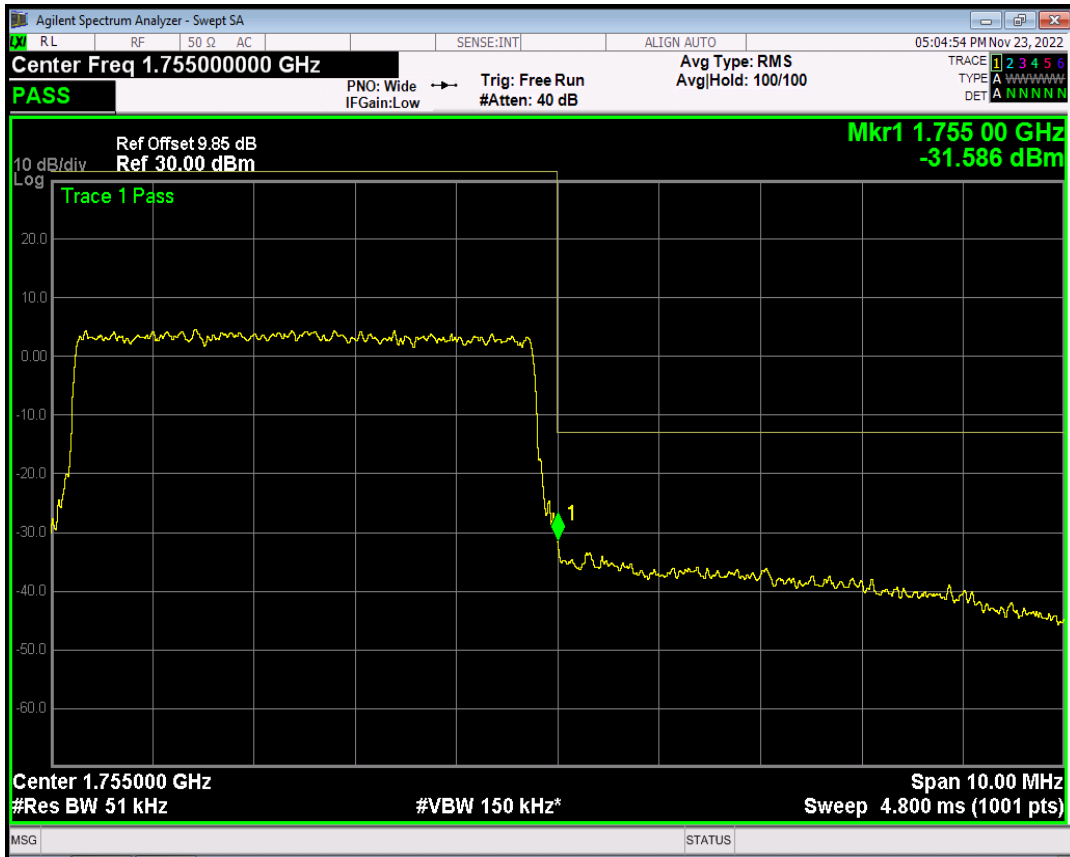


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



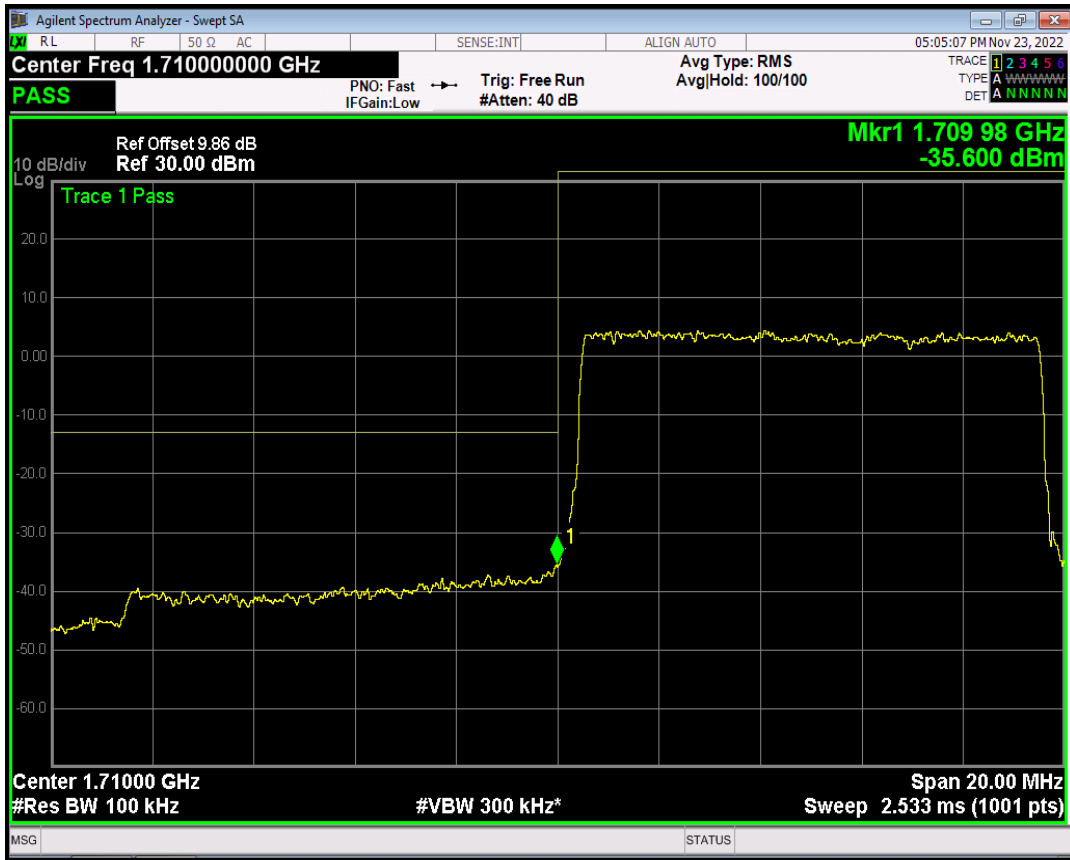


Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0

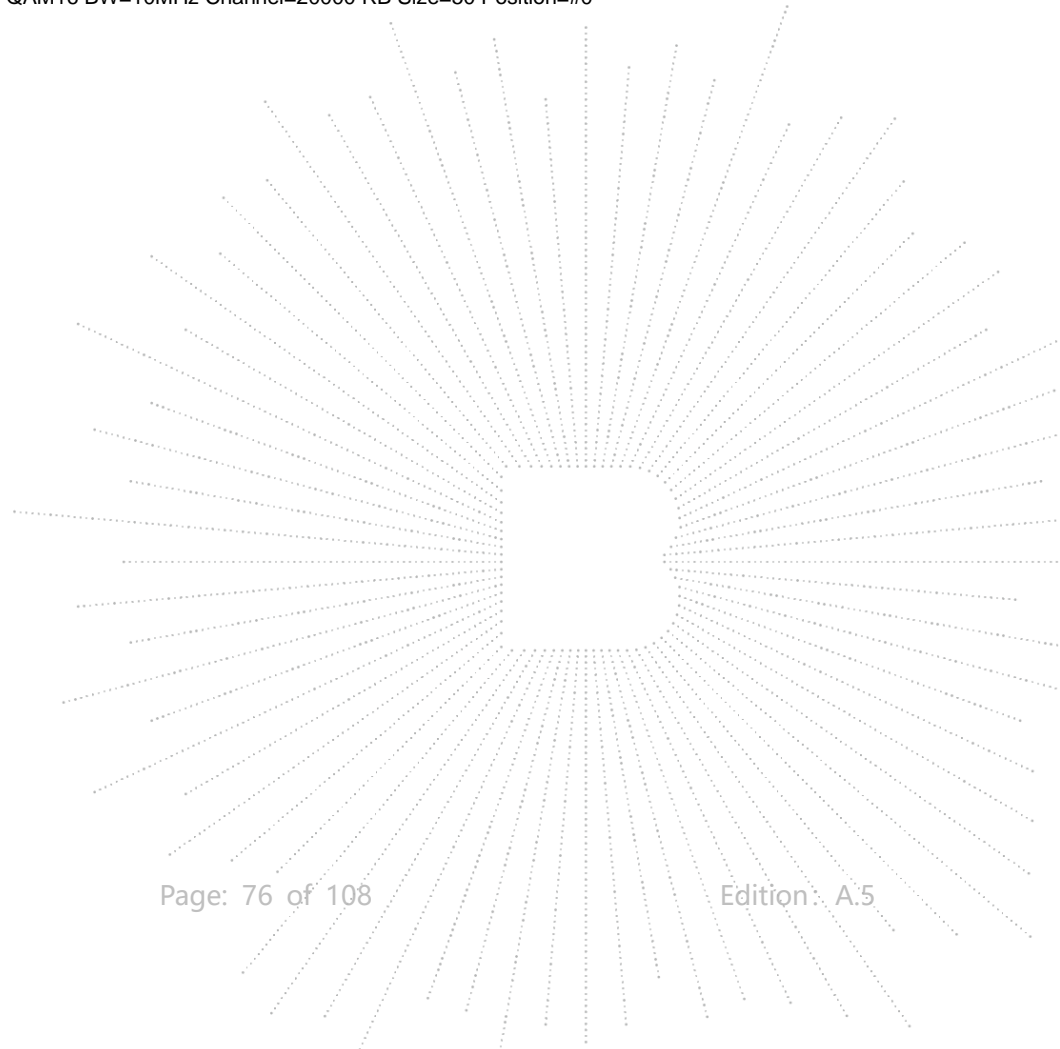


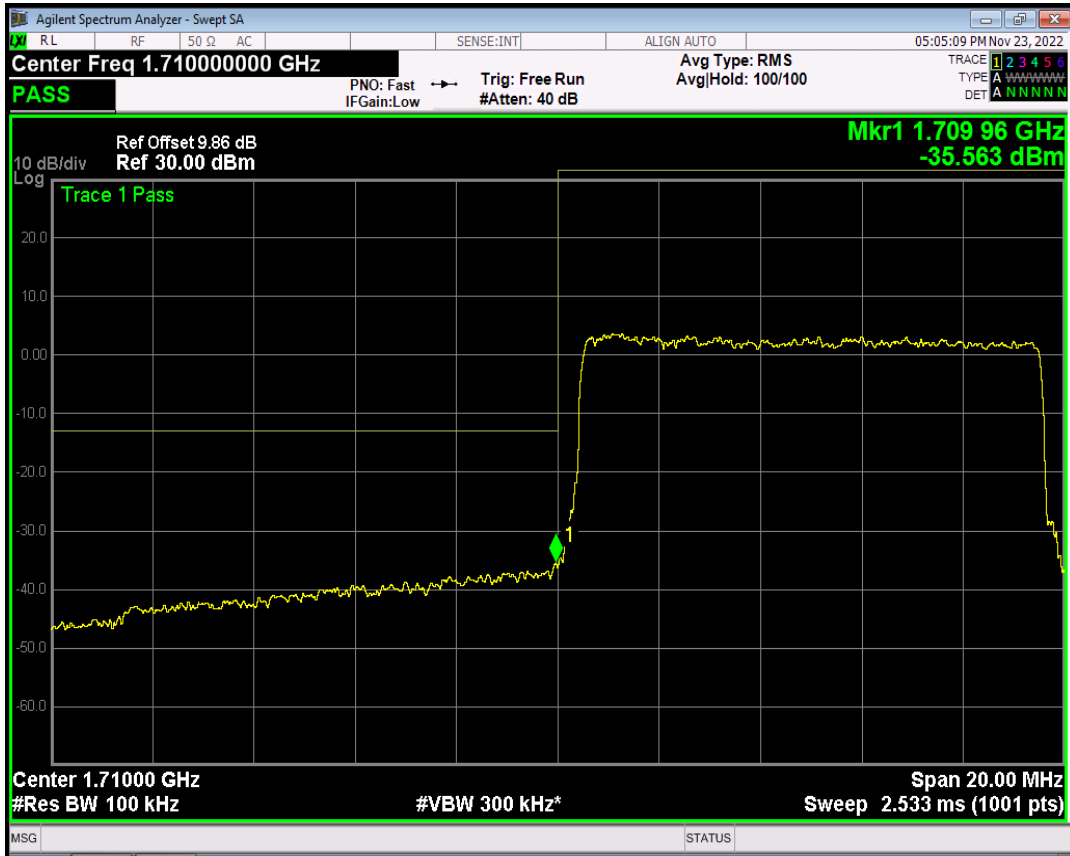


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0





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

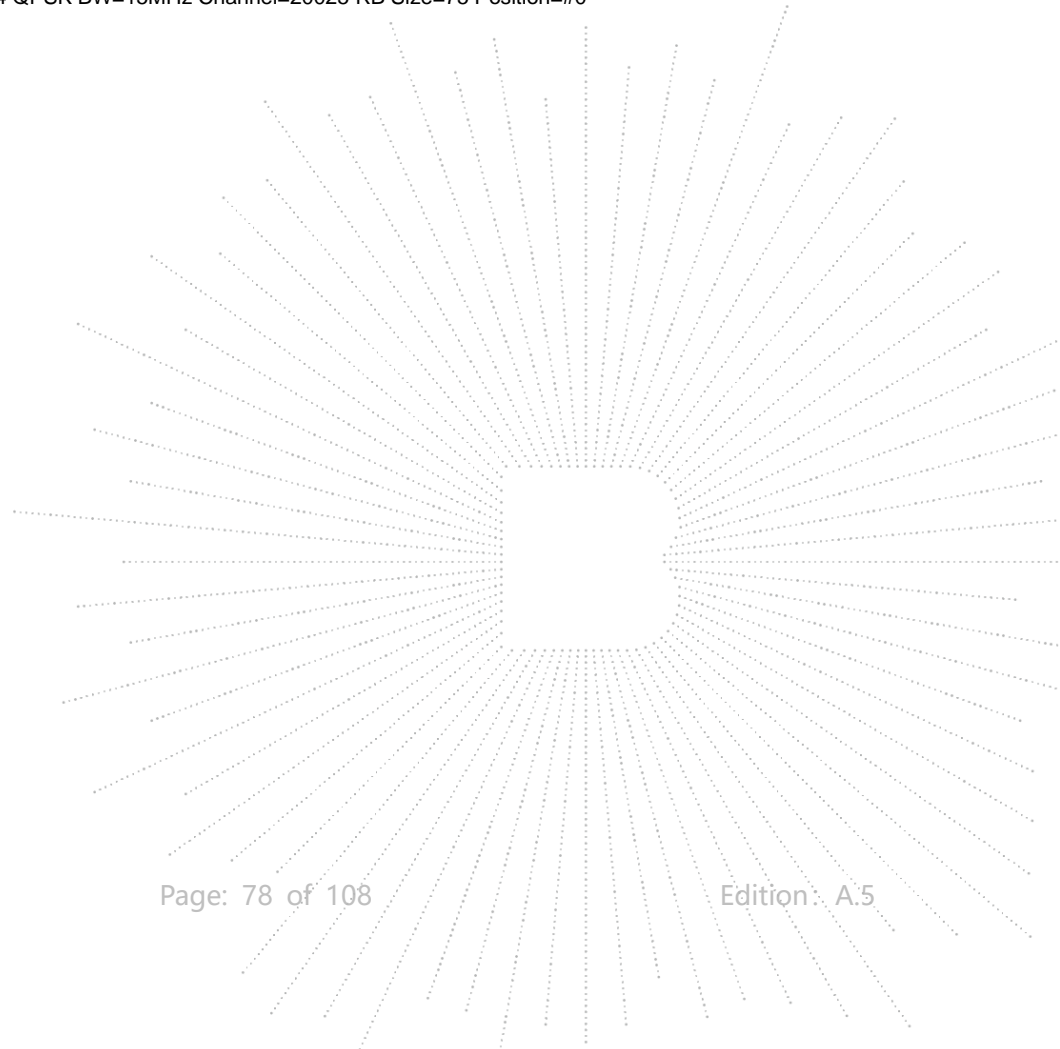




Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0

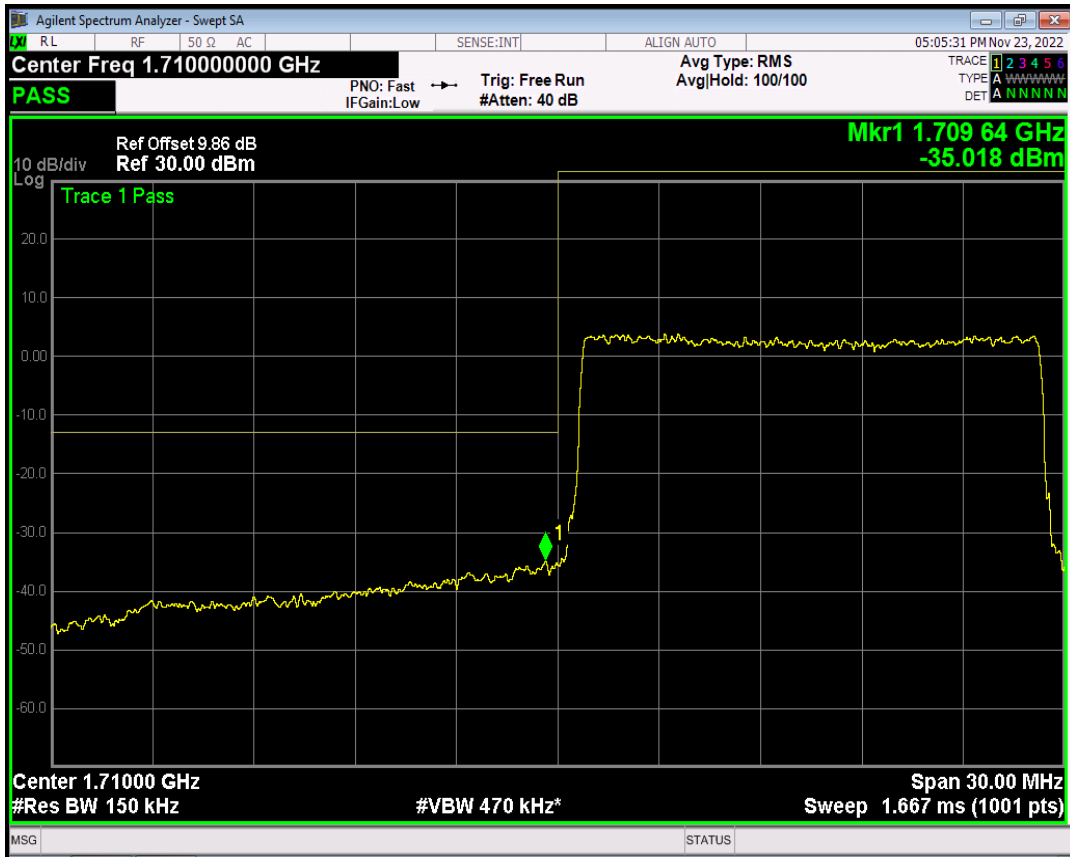


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0





Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0

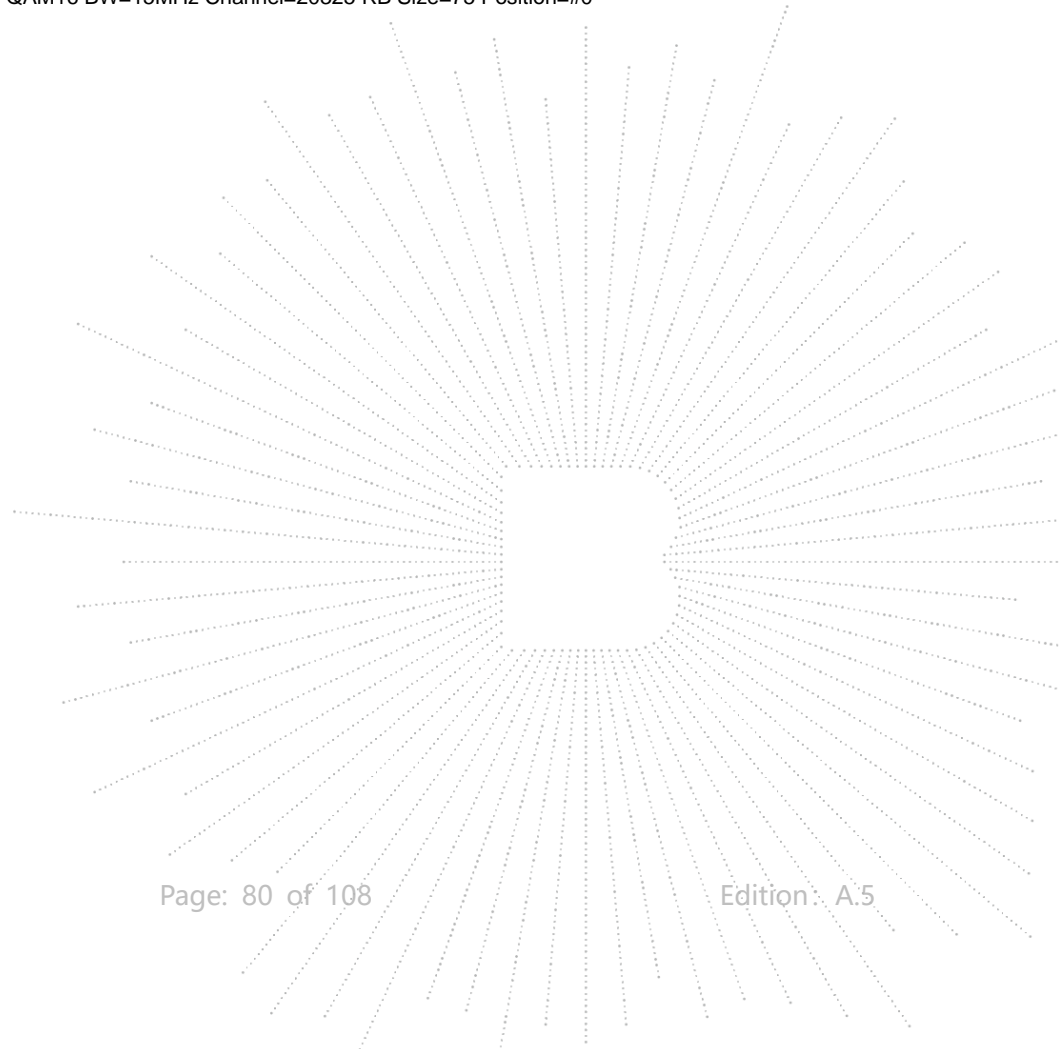


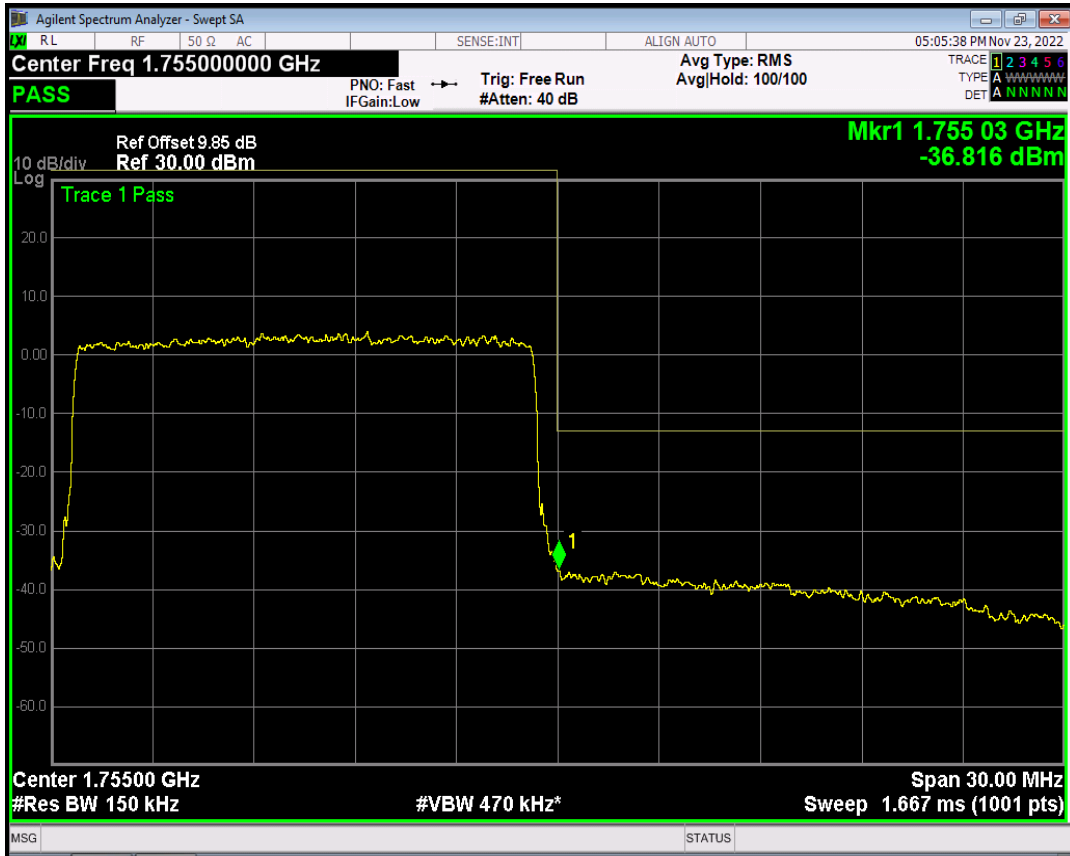


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

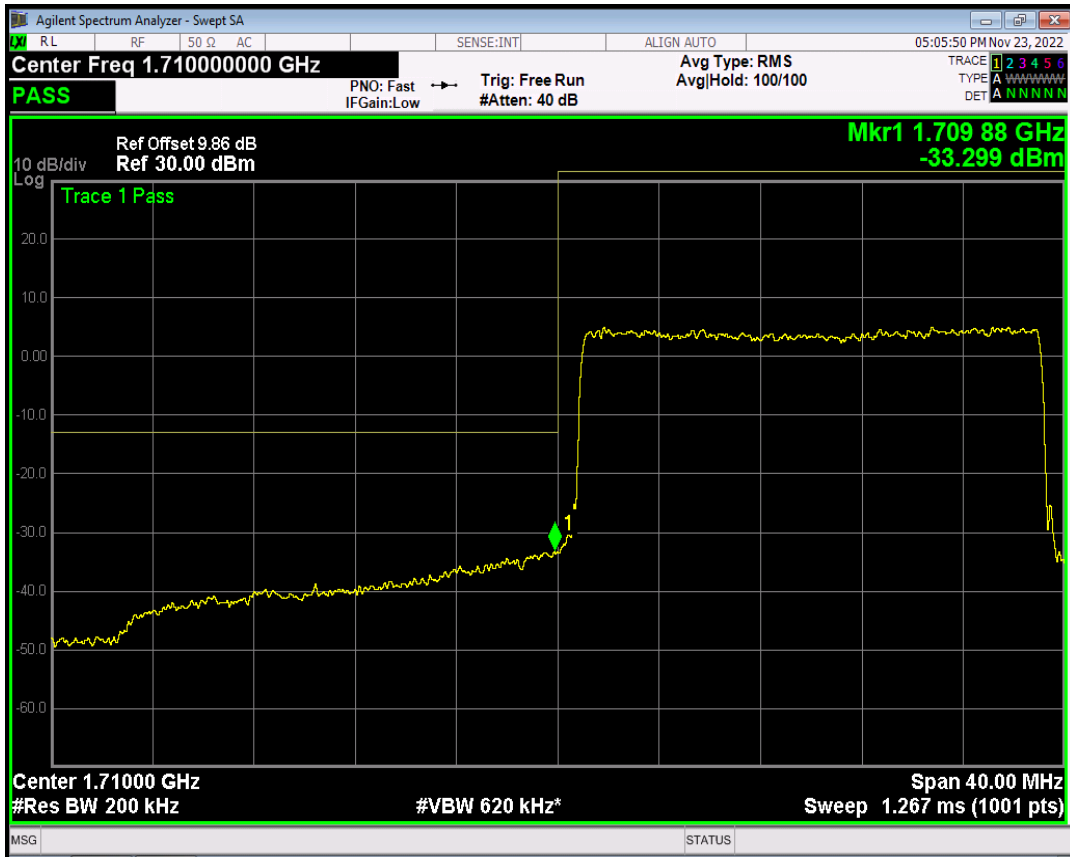


Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



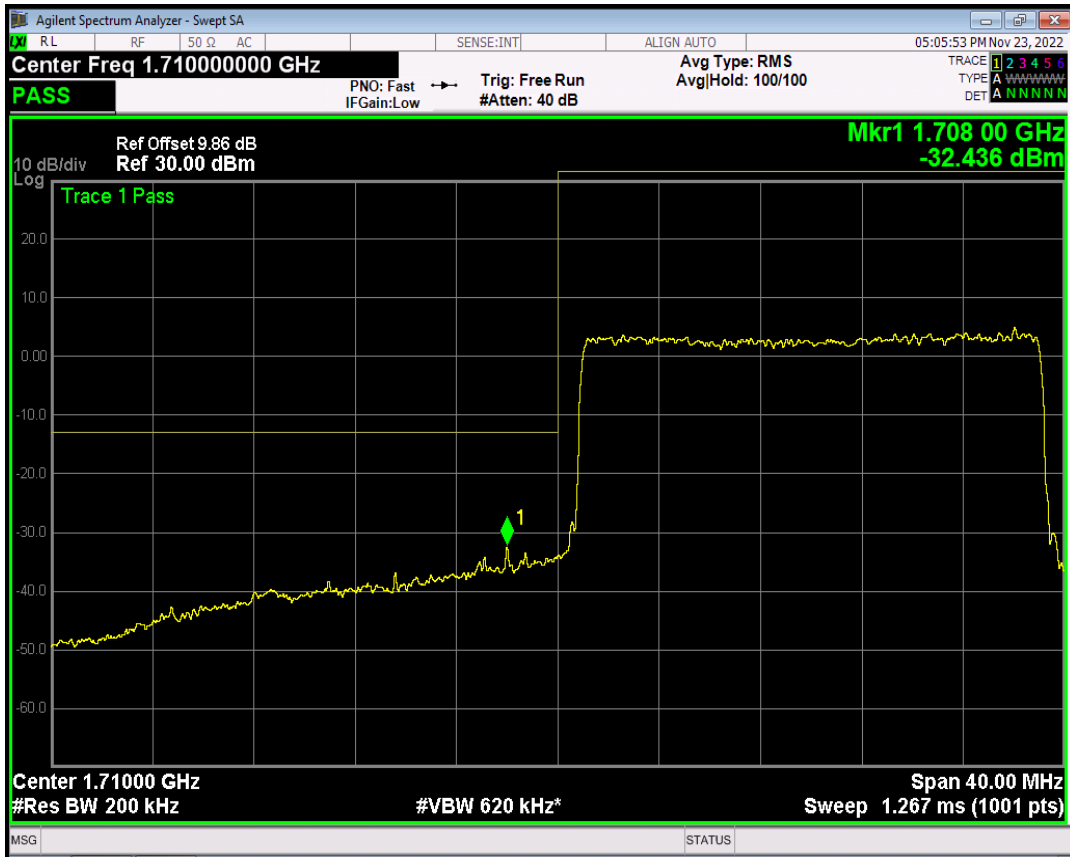


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

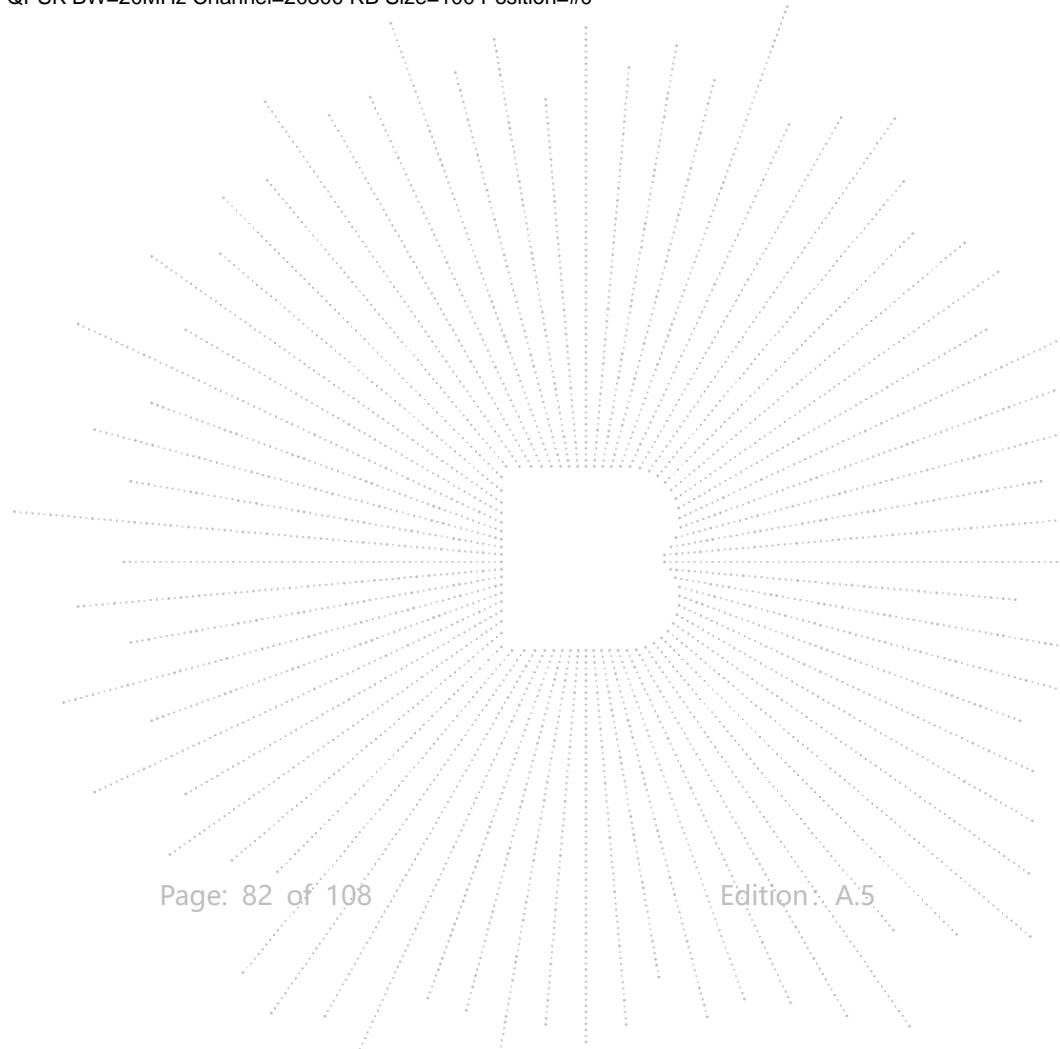


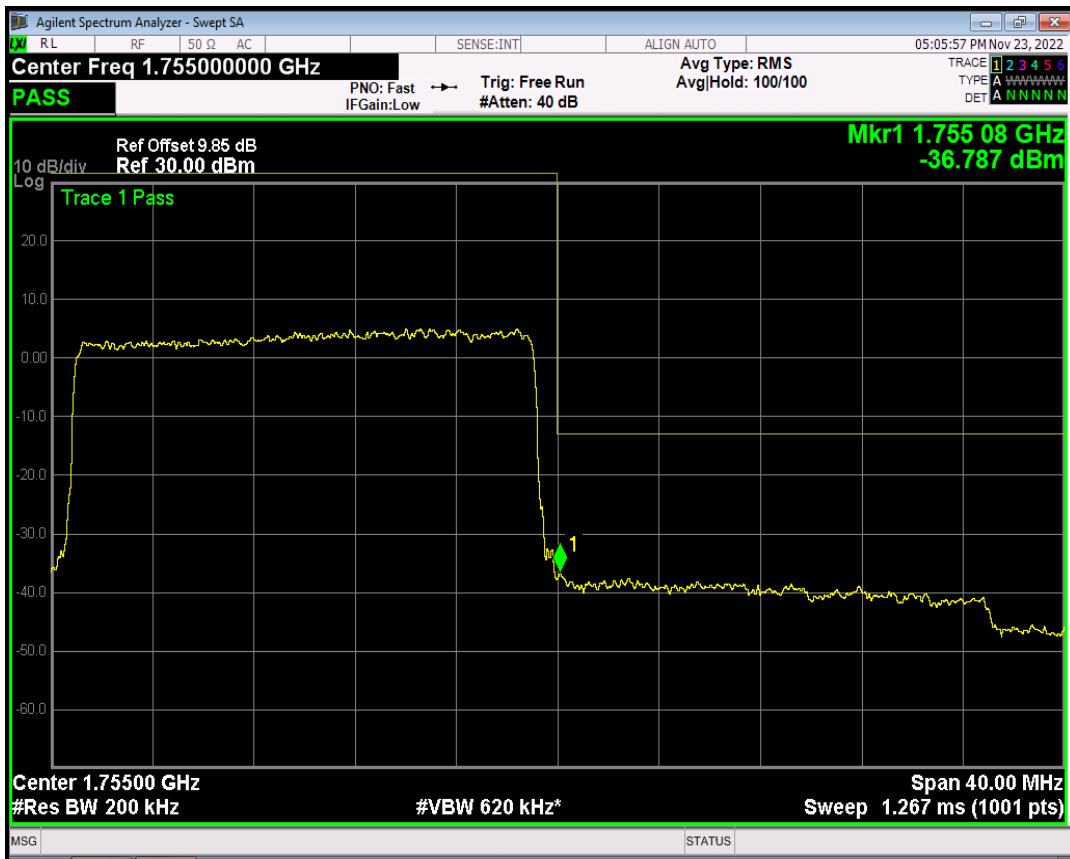


Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0

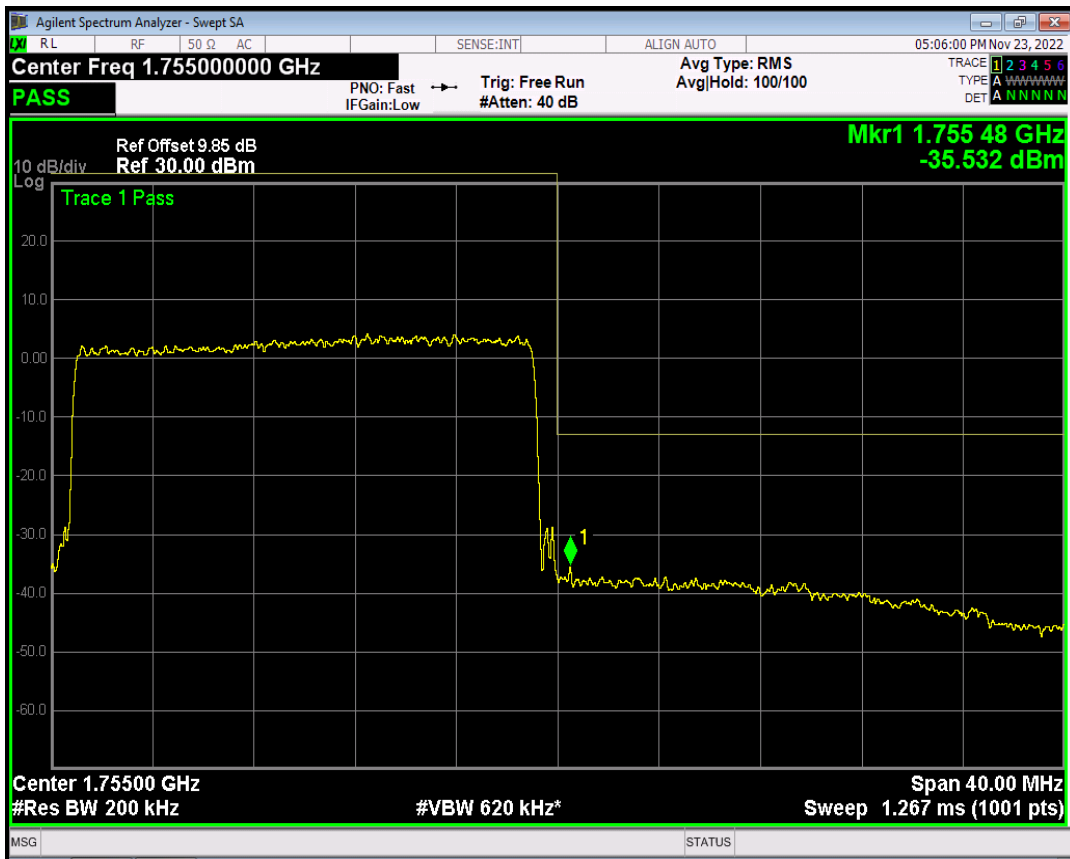


Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0





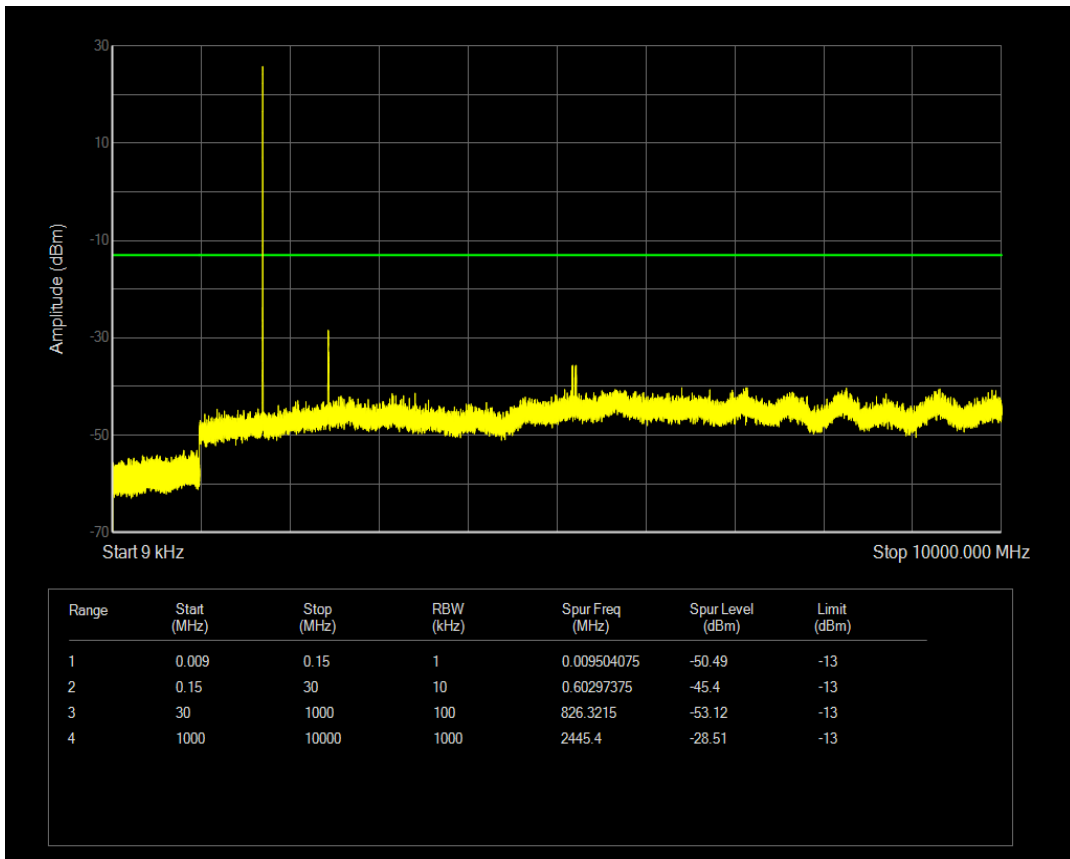
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0



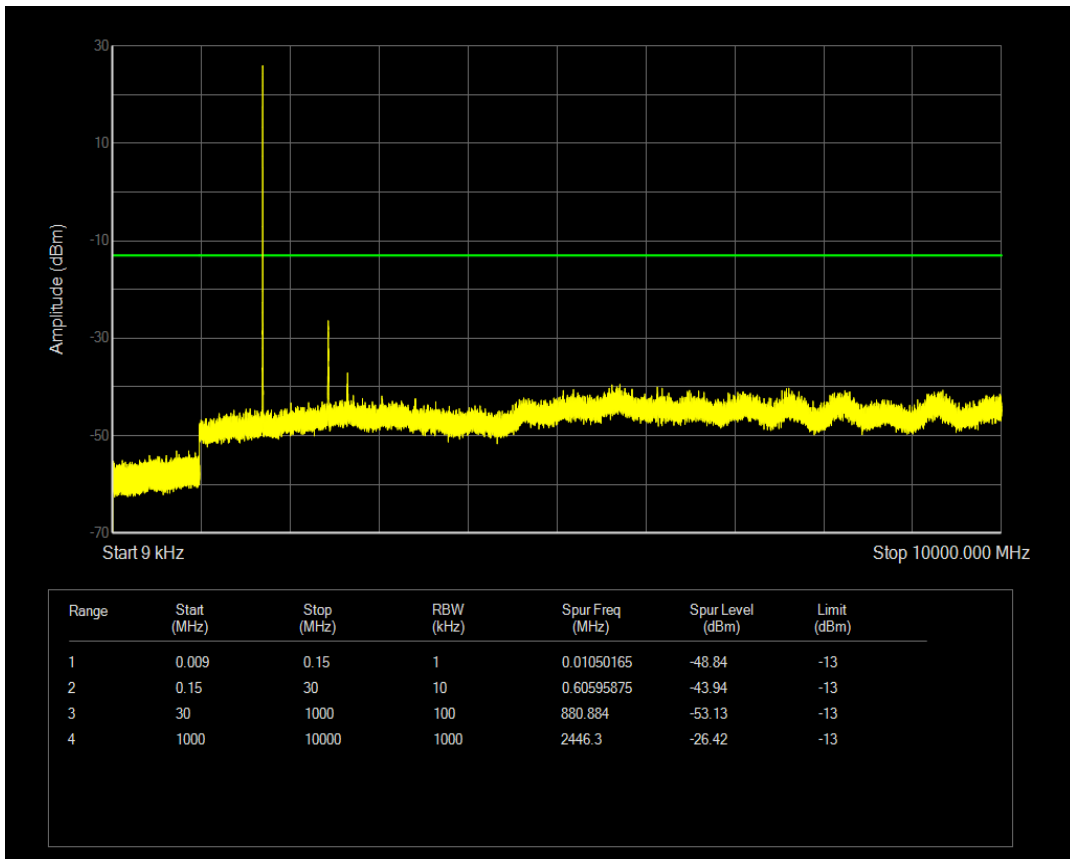
Appendix 6. Out-of-band emissions

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	2445.40	-28.51	-13	PASS
Band4	1.4	19957	6	#0	QAM16	2446.30	-26.42	-13	PASS
Band4	1.4	20175	6	#0	QPSK	3465.10	-39.11	-13	PASS
Band4	1.4	20175	6	#0	QAM16	2445.18	-29.75	-13	PASS
Band4	1.4	20393	6	#0	QPSK	2445.40	-26.36	-13	PASS
Band4	1.4	20393	6	#0	QAM16	2445.40	-28.92	-13	PASS
Band4	3	19965	15	#0	QPSK	2445.40	-26.06	-13	PASS
Band4	3	19965	15	#0	QAM16	2445.63	-27.32	-13	PASS
Band4	3	20175	15	#0	QPSK	2445.85	-23.52	-13	PASS
Band4	3	20175	15	#0	QAM16	2445.40	-30.47	-13	PASS
Band4	3	20385	15	#0	QPSK	2445.40	-27.91	-13	PASS
Band4	3	20385	15	#0	QAM16	2445.63	-22.80	-13	PASS
Band4	5	19975	25	#0	QPSK	2445.85	-26.18	-13	PASS
Band4	5	19975	25	#0	QAM16	2445.40	-24.45	-13	PASS
Band4	5	20175	25	#0	QPSK	2446.30	-27.12	-13	PASS
Band4	5	20175	25	#0	QAM16	2445.85	-23.57	-13	PASS
Band4	5	20375	25	#0	QPSK	2445.63	-26.81	-13	PASS
Band4	5	20375	25	#0	QAM16	2454.85	-26.90	-13	PASS
Band4	10	20000	50	#0	QPSK	2446.08	-26.23	-13	PASS
Band4	10	20000	50	#0	QAM16	2445.40	-28.85	-13	PASS
Band4	10	20175	50	#0	QPSK	2444.95	-29.02	-13	PASS
Band4	10	20175	50	#0	QAM16	2445.63	-28.68	-13	PASS
Band4	10	20350	50	#0	QPSK	2445.40	-25.14	-13	PASS
Band4	10	20350	50	#0	QAM16	5222.35	-34.06	-13	PASS
Band4	15	20025	75	#0	QPSK	2447.20	-30.20	-13	PASS
Band4	15	20025	75	#0	QAM16	2445.85	-26.09	-13	PASS
Band4	15	20175	75	#0	QPSK	2454.18	-28.38	-13	PASS
Band4	15	20175	75	#0	QAM16	2445.63	-29.05	-13	PASS
Band4	15	20325	75	#0	QPSK	2445.40	-25.51	-13	PASS
Band4	15	20325	75	#0	QAM16	2455.08	-24.46	-13	PASS
Band4	20	20050	100	#0	QPSK	2445.63	-24.18	-13	PASS
Band4	20	20050	100	#0	QAM16	2445.40	-23.80	-13	PASS
Band4	20	20175	100	#0	QPSK	2445.18	-24.14	-13	PASS
Band4	20	20175	100	#0	QAM16	2445.63	-25.82	-13	PASS
Band4	20	20300	100	#0	QPSK	2445.63	-23.56	-13	PASS
Band4	20	20300	100	#0	QAM16	2446.53	-25.34	-13	PASS

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

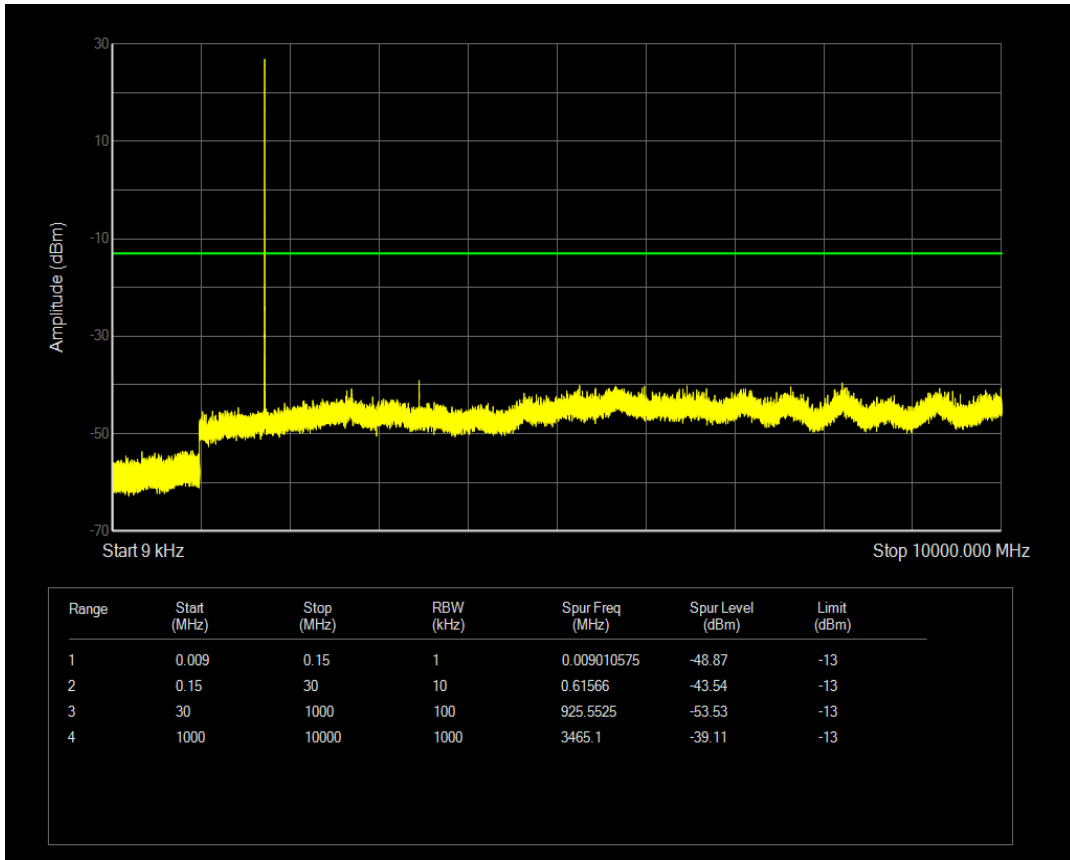


Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0

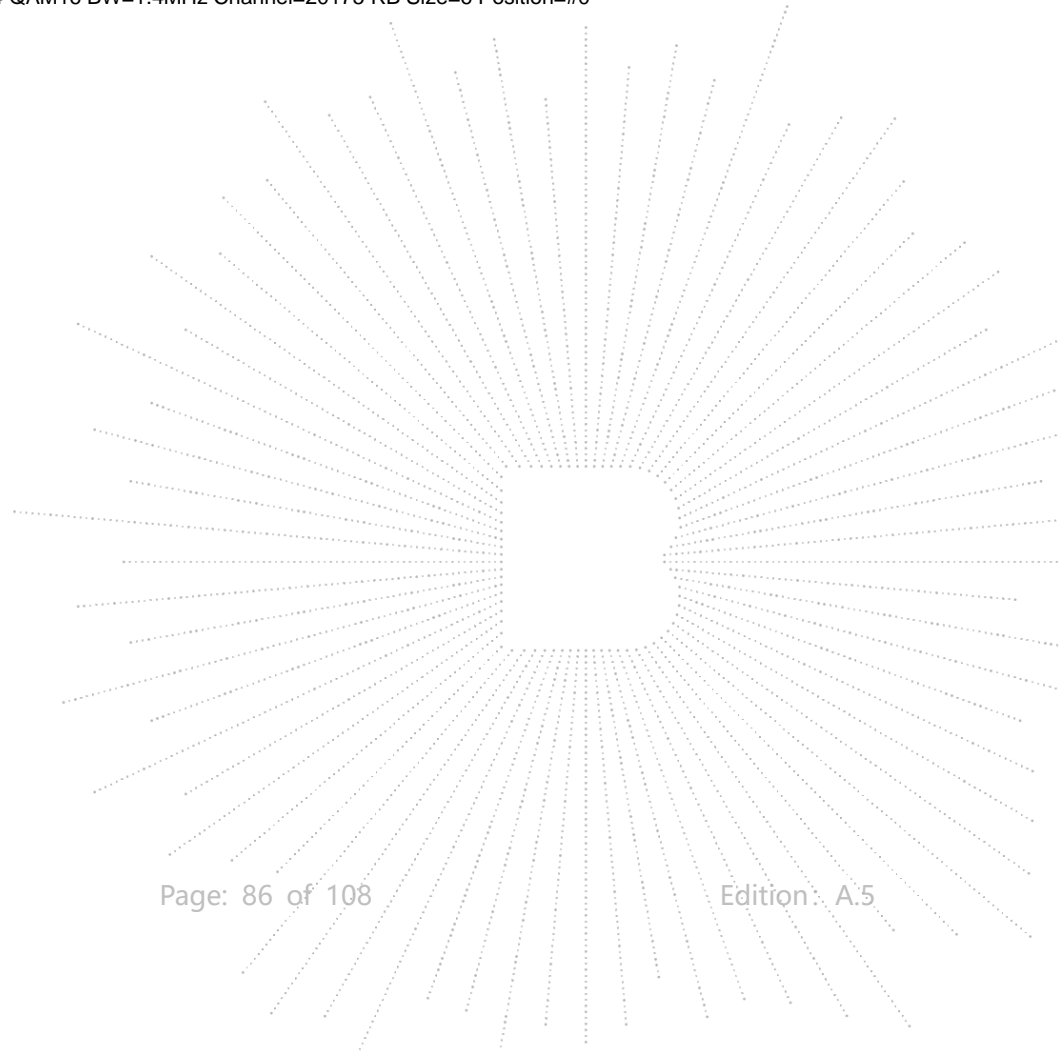


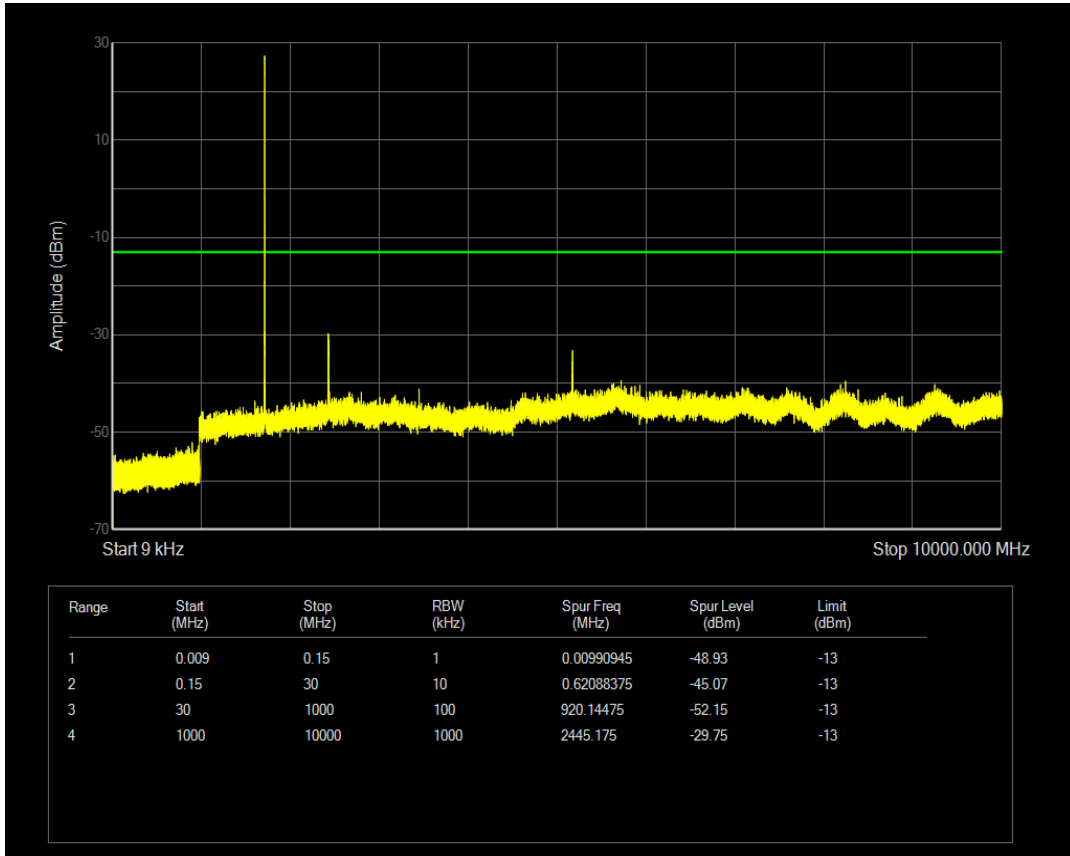


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

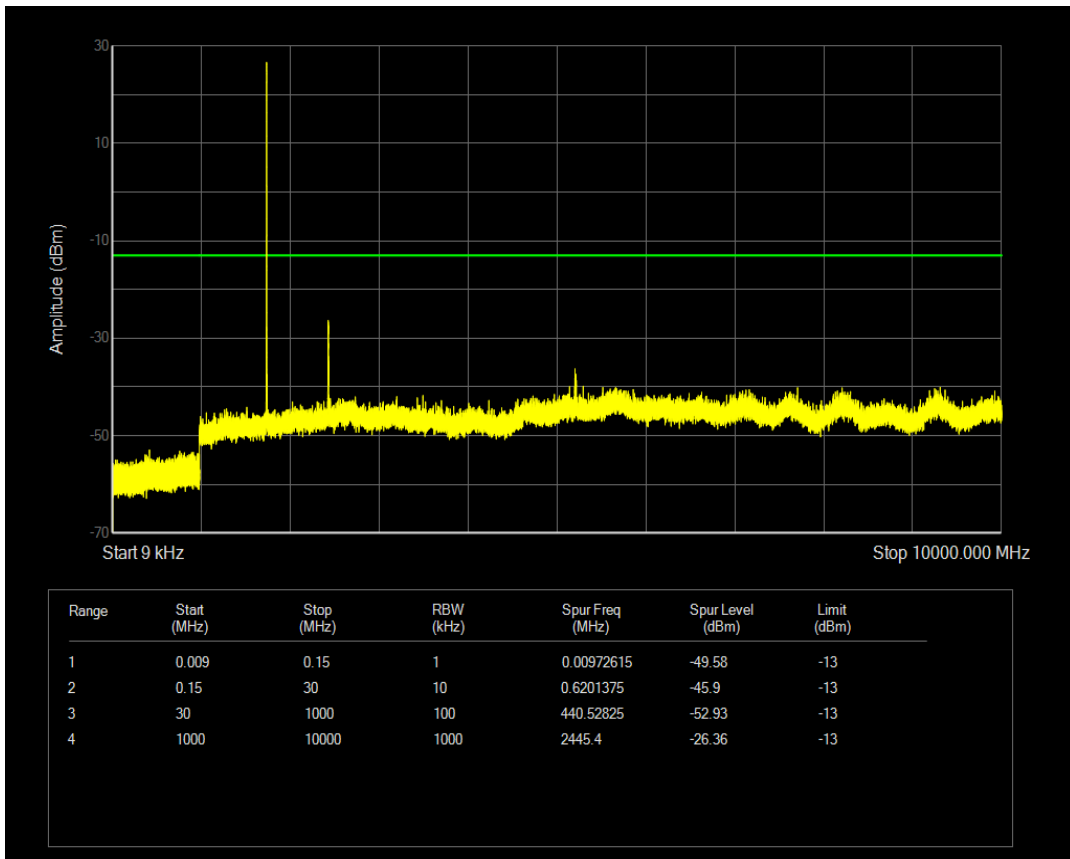


Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0



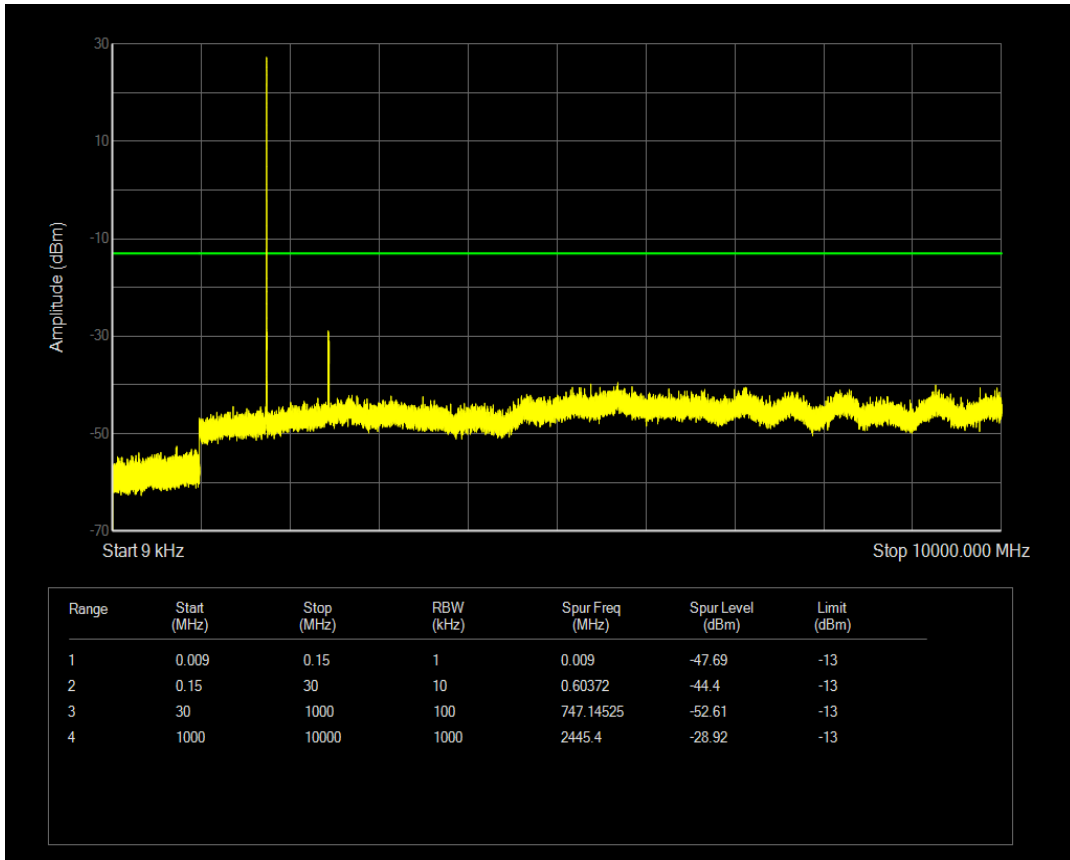


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

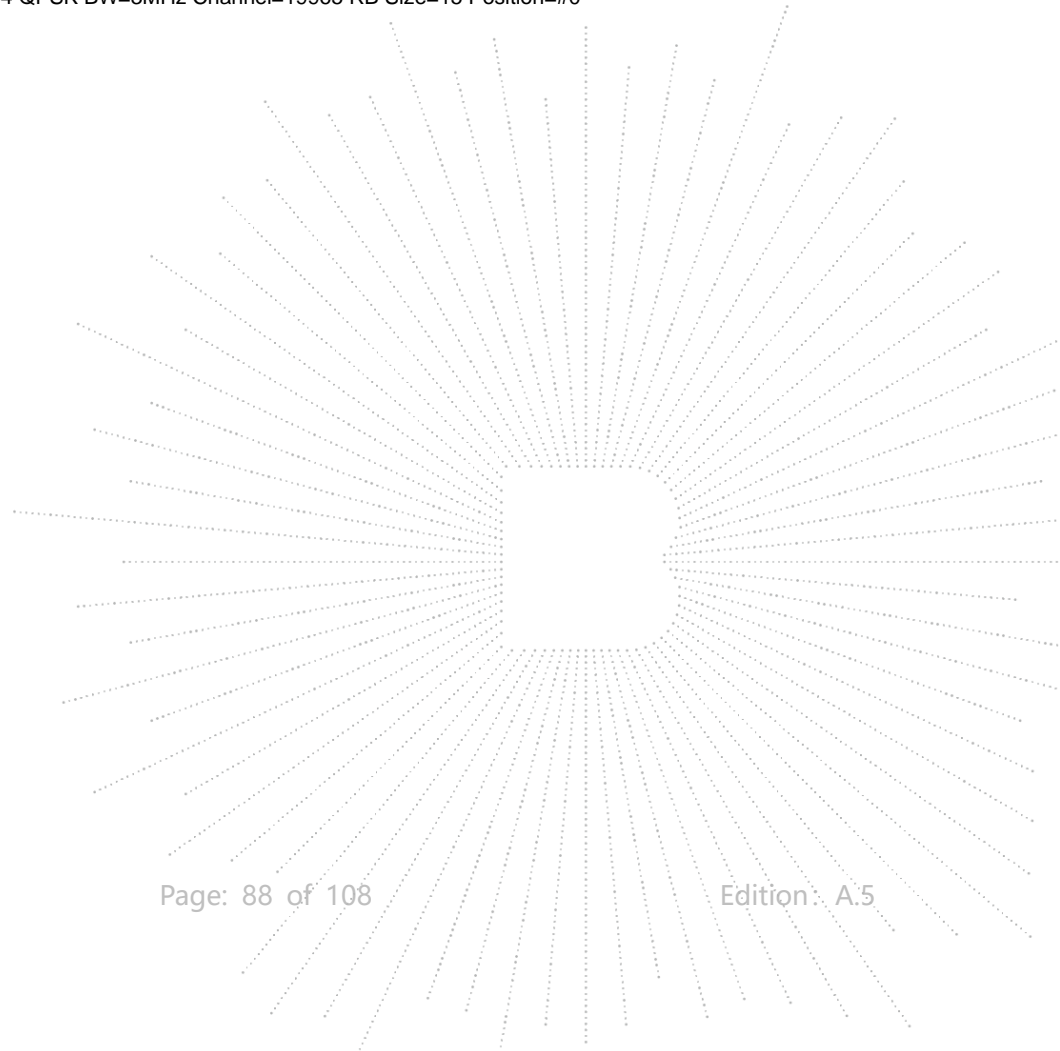


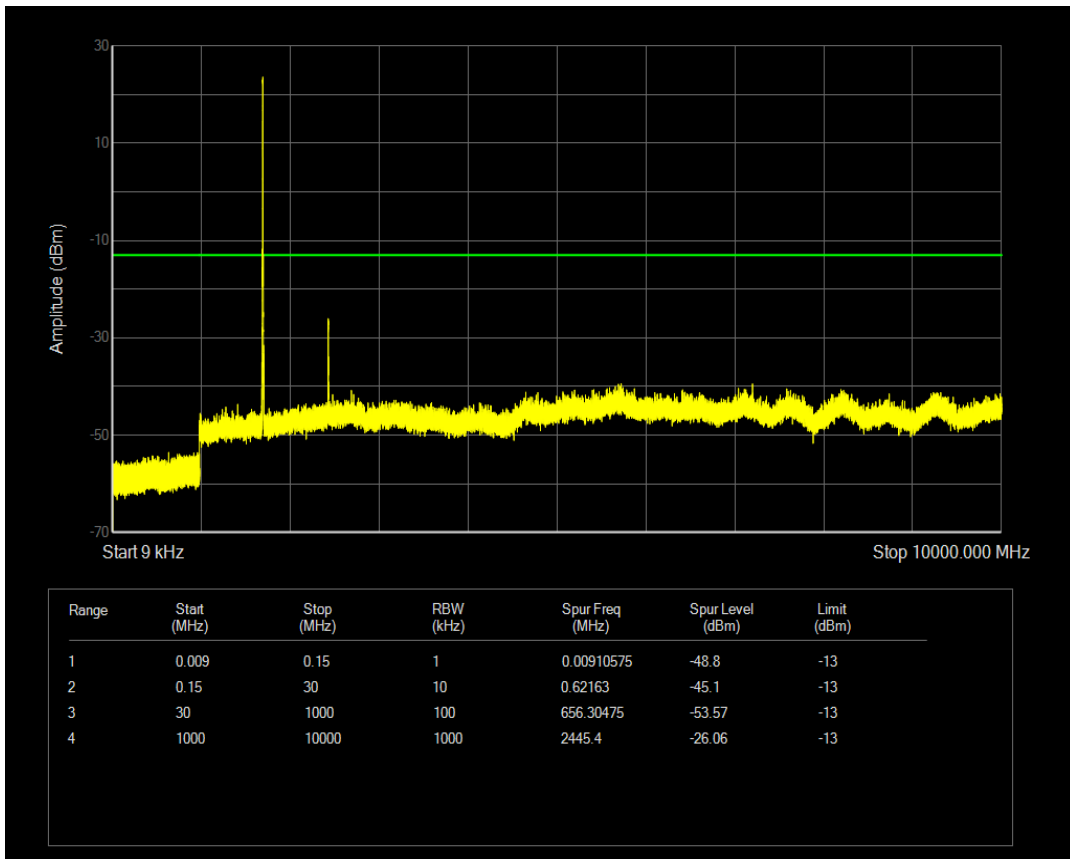


Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0

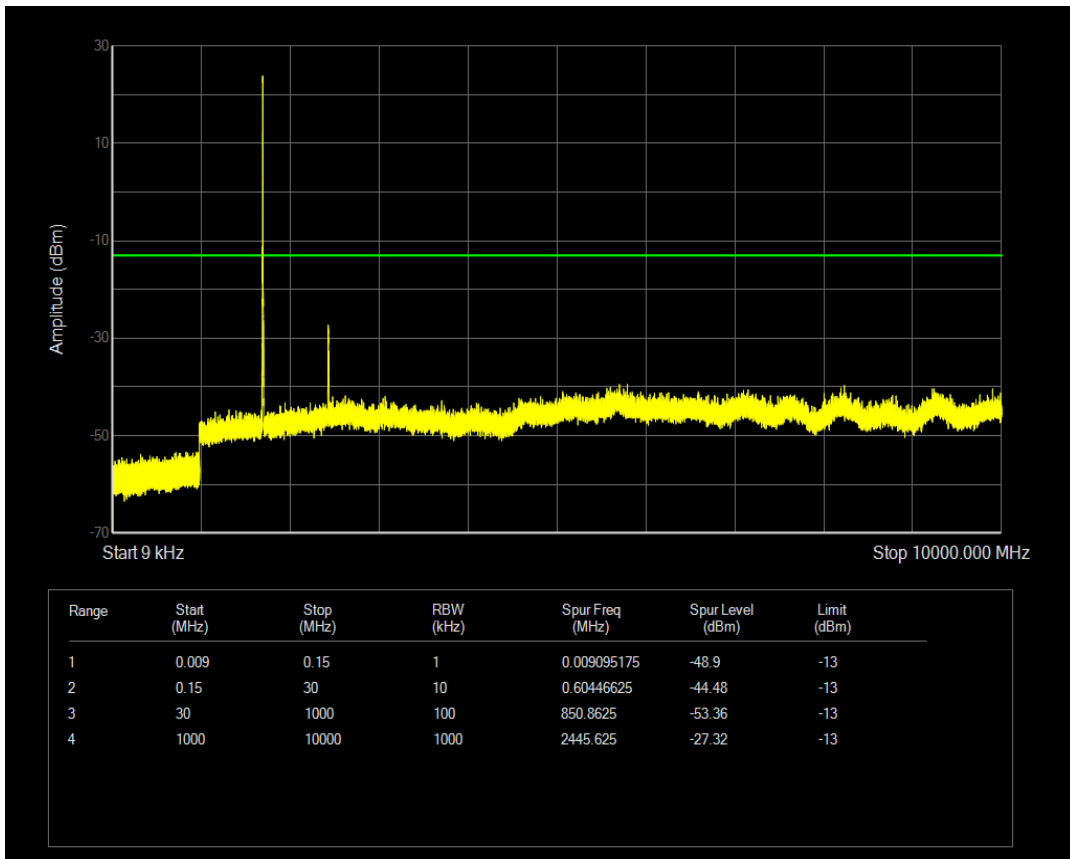


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



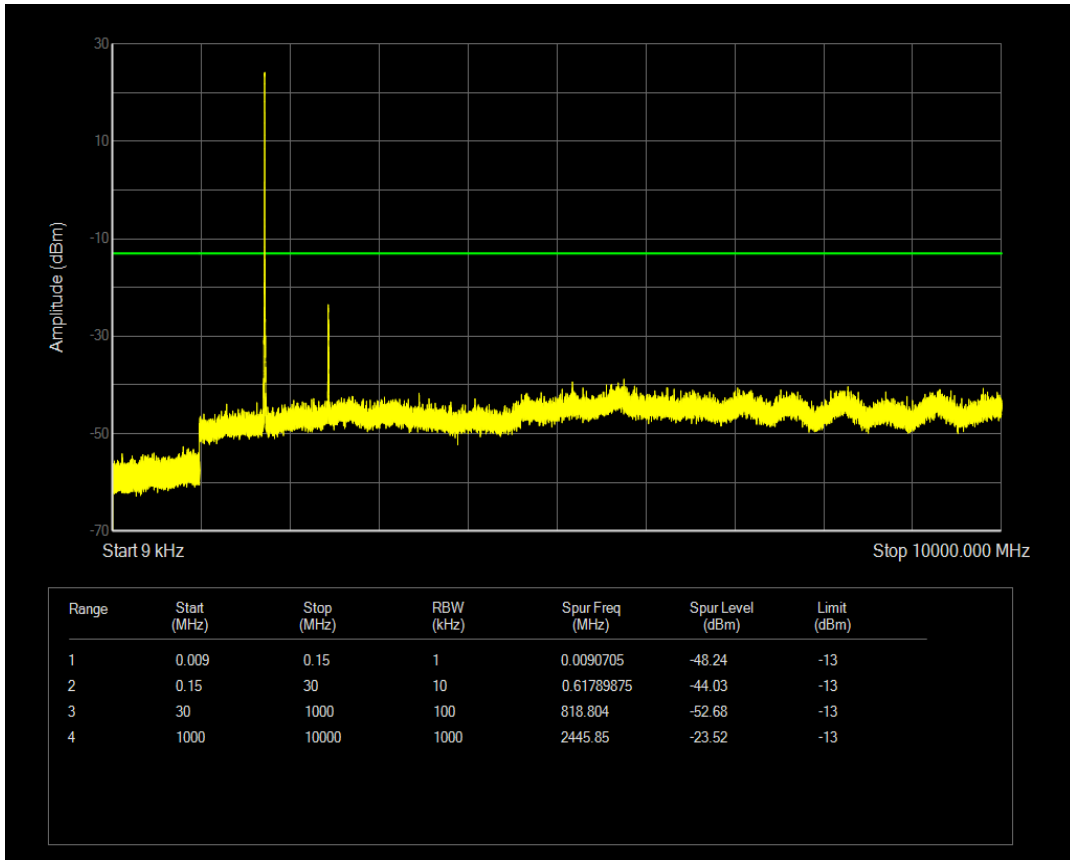


Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0

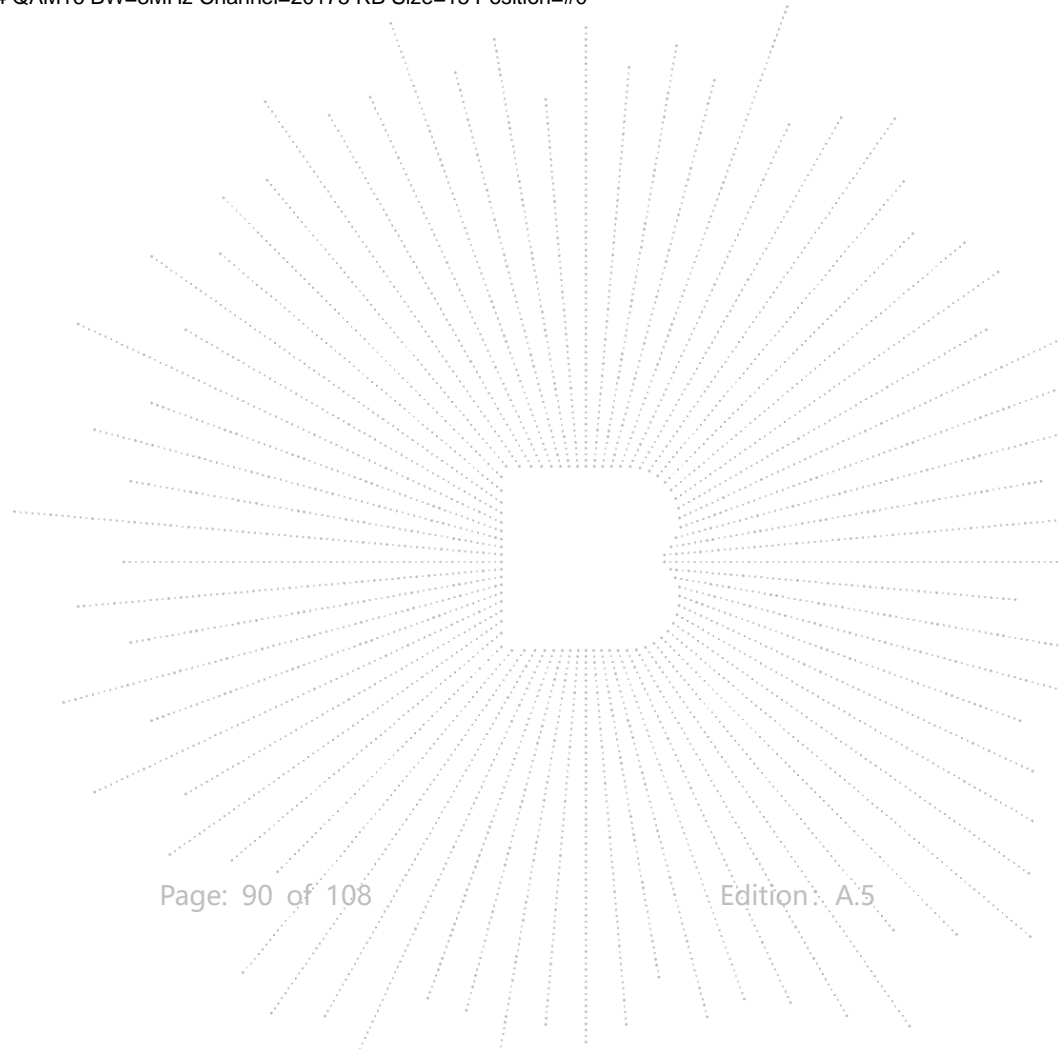


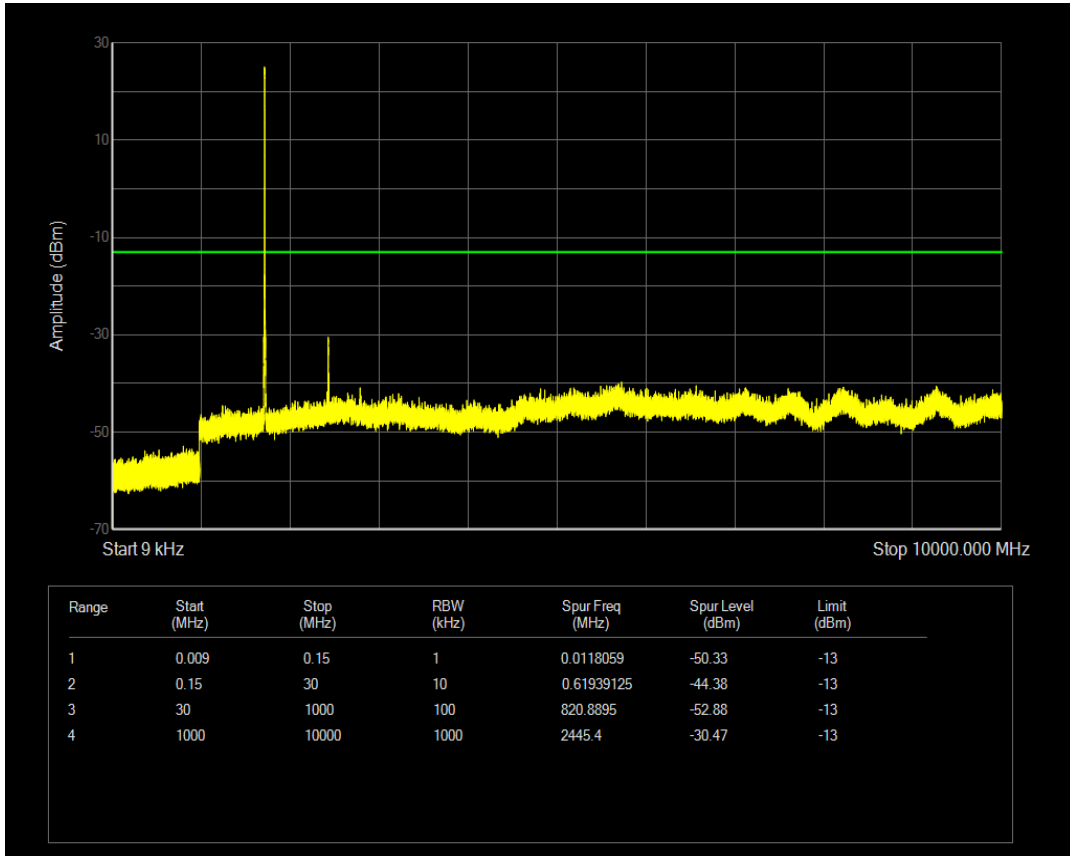


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

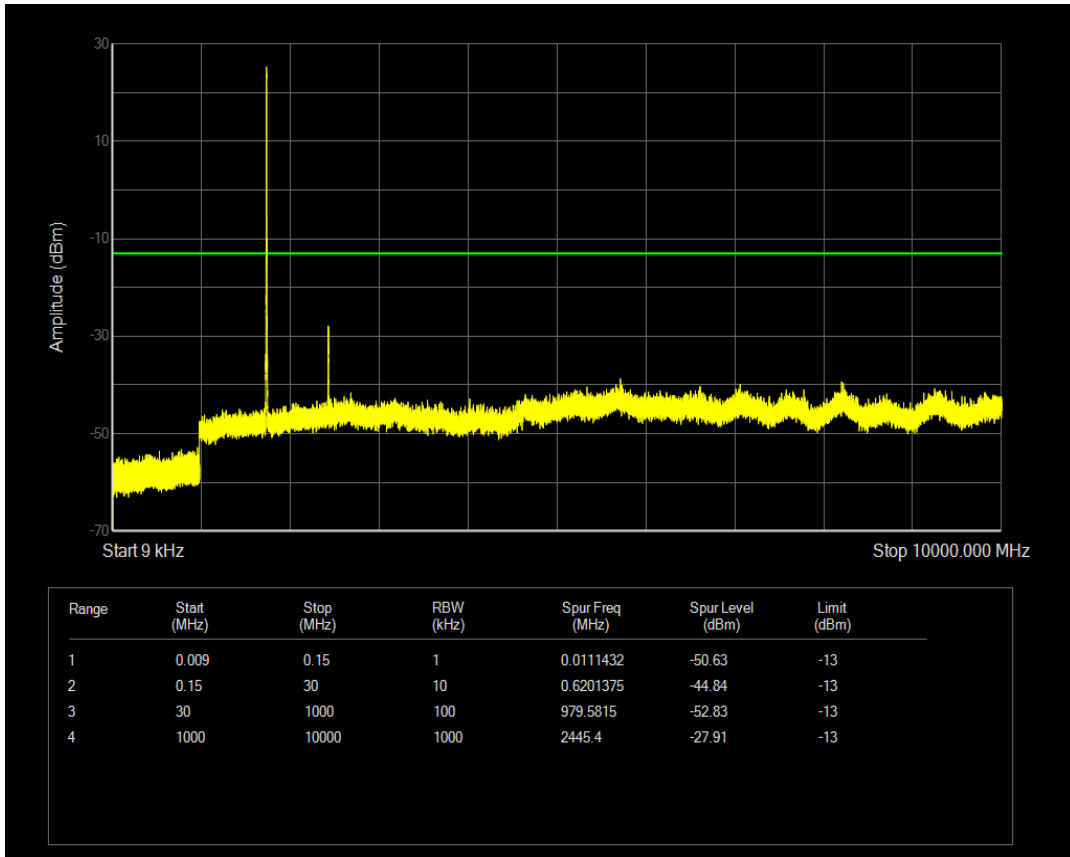


Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0



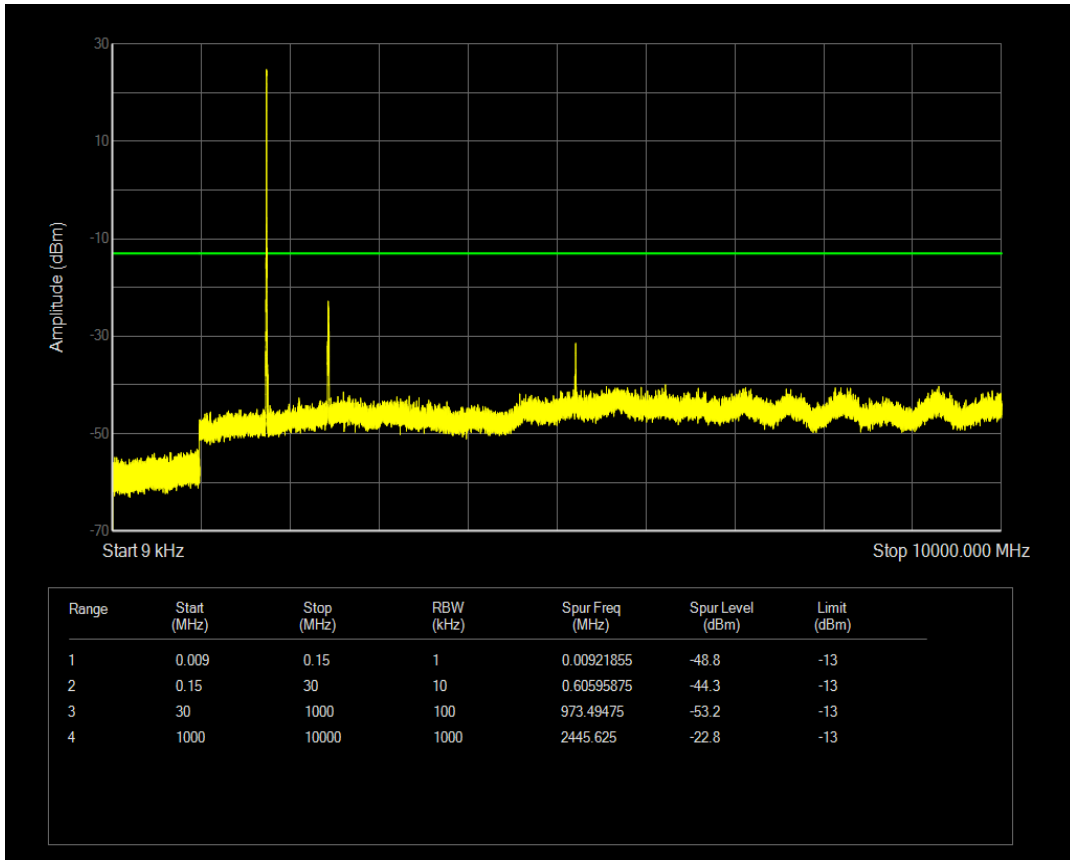


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

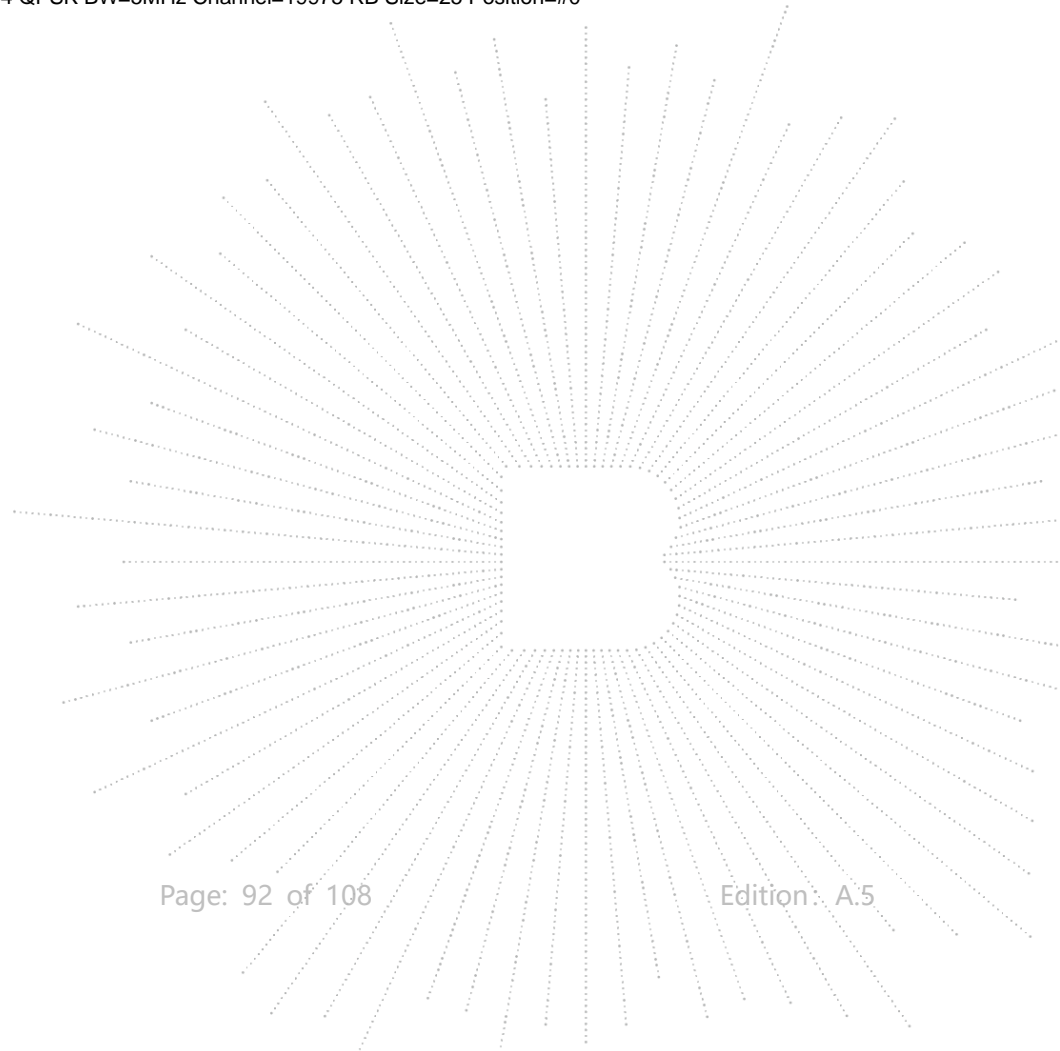


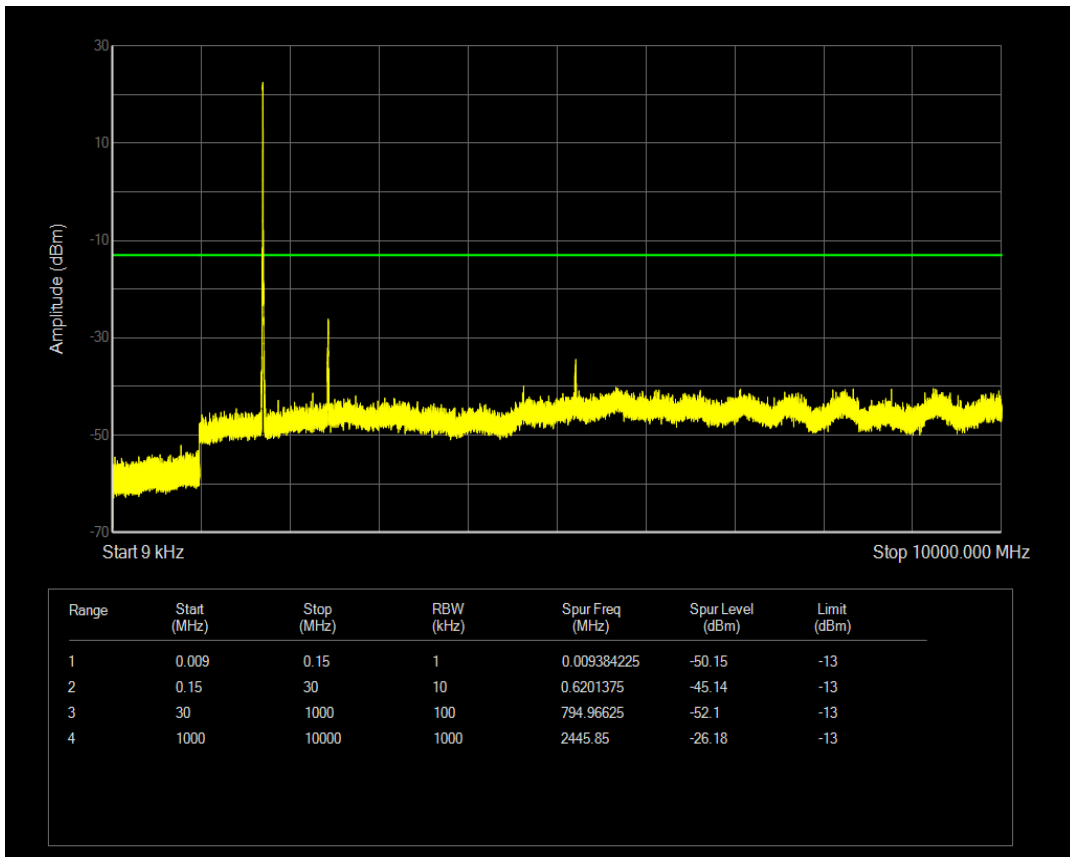


Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0

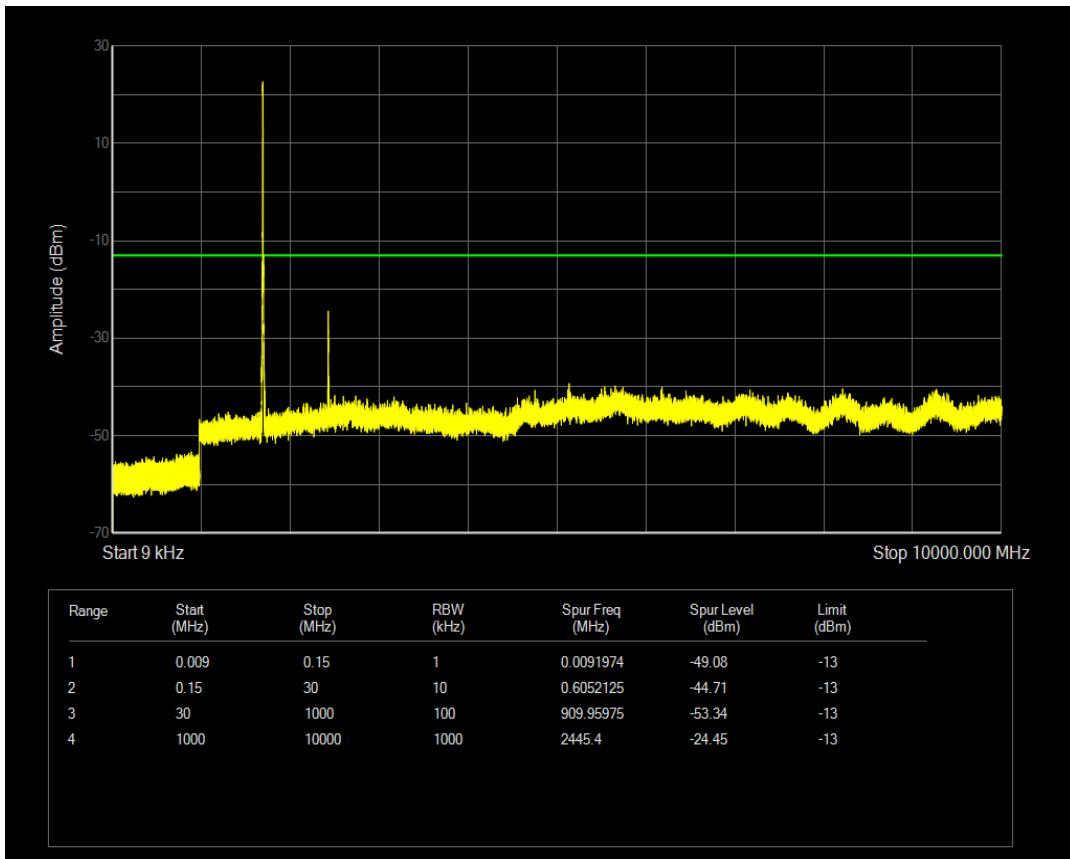


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



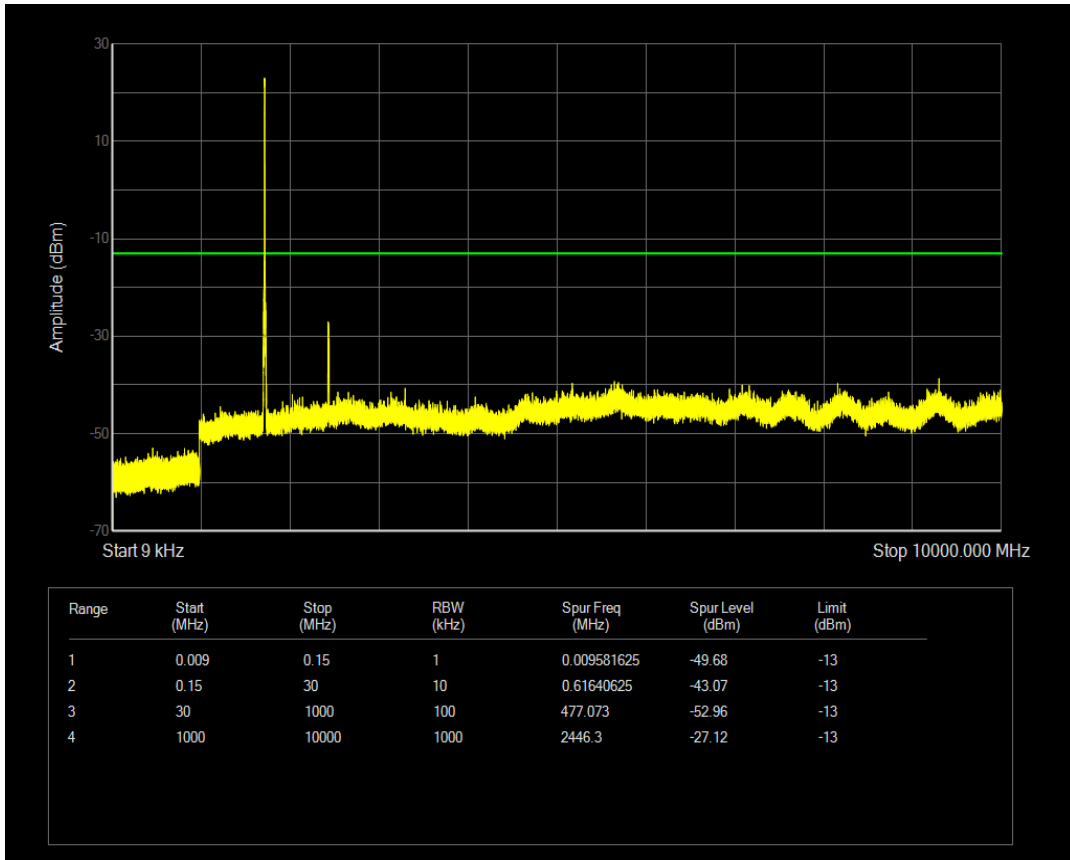


Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0

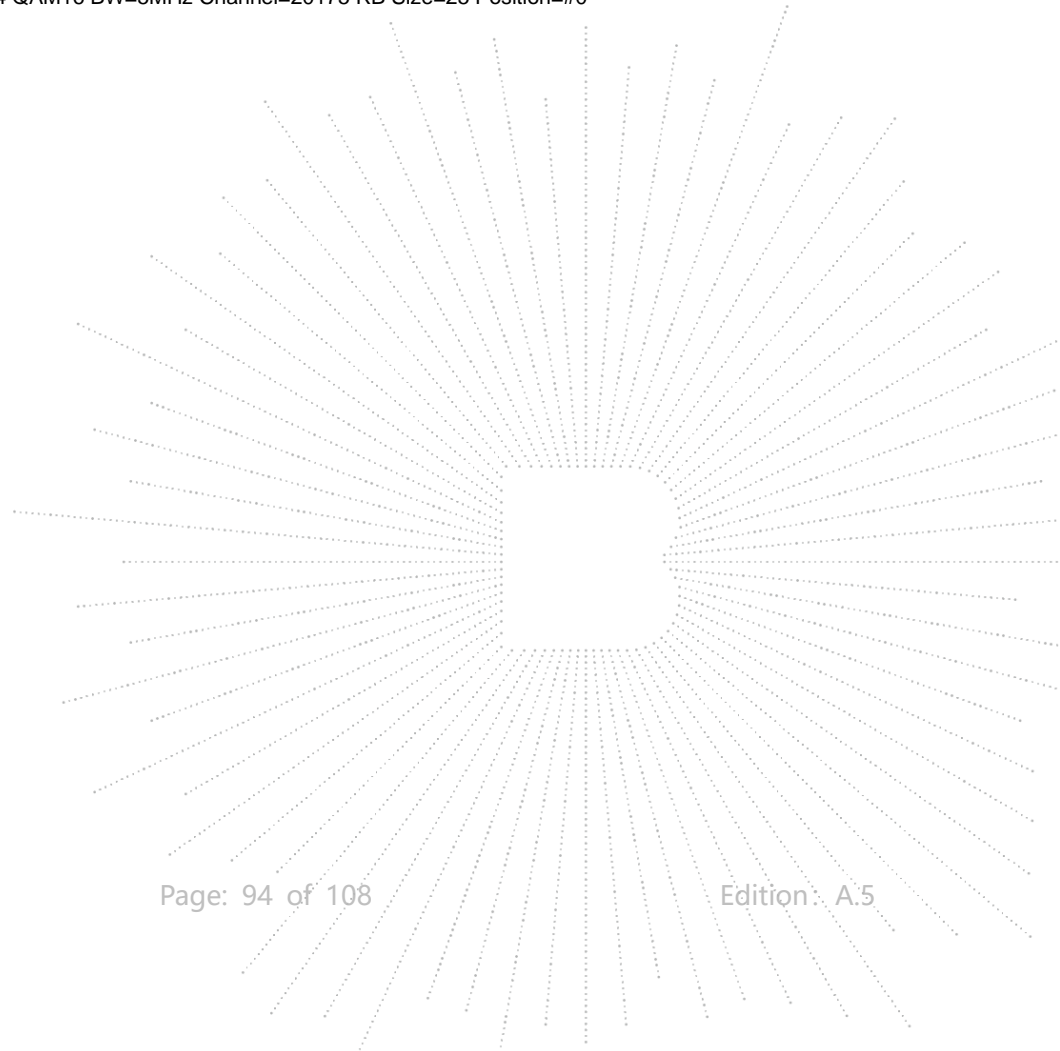


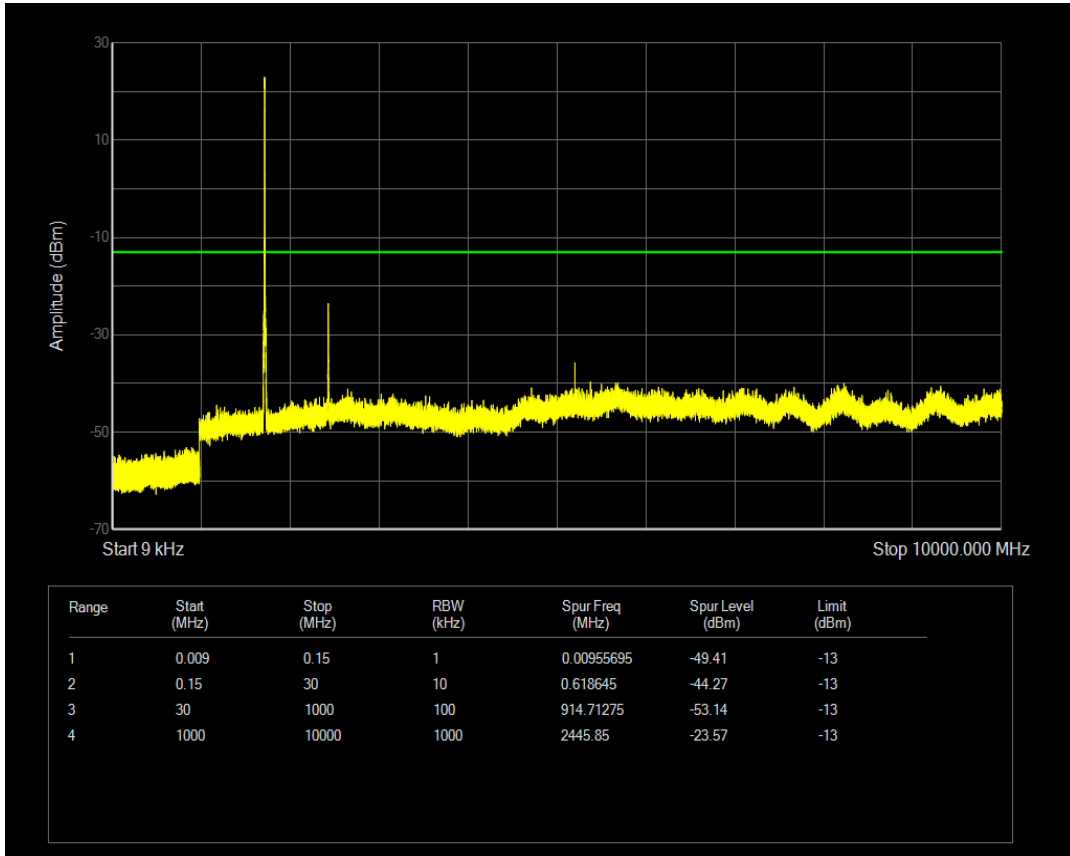


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

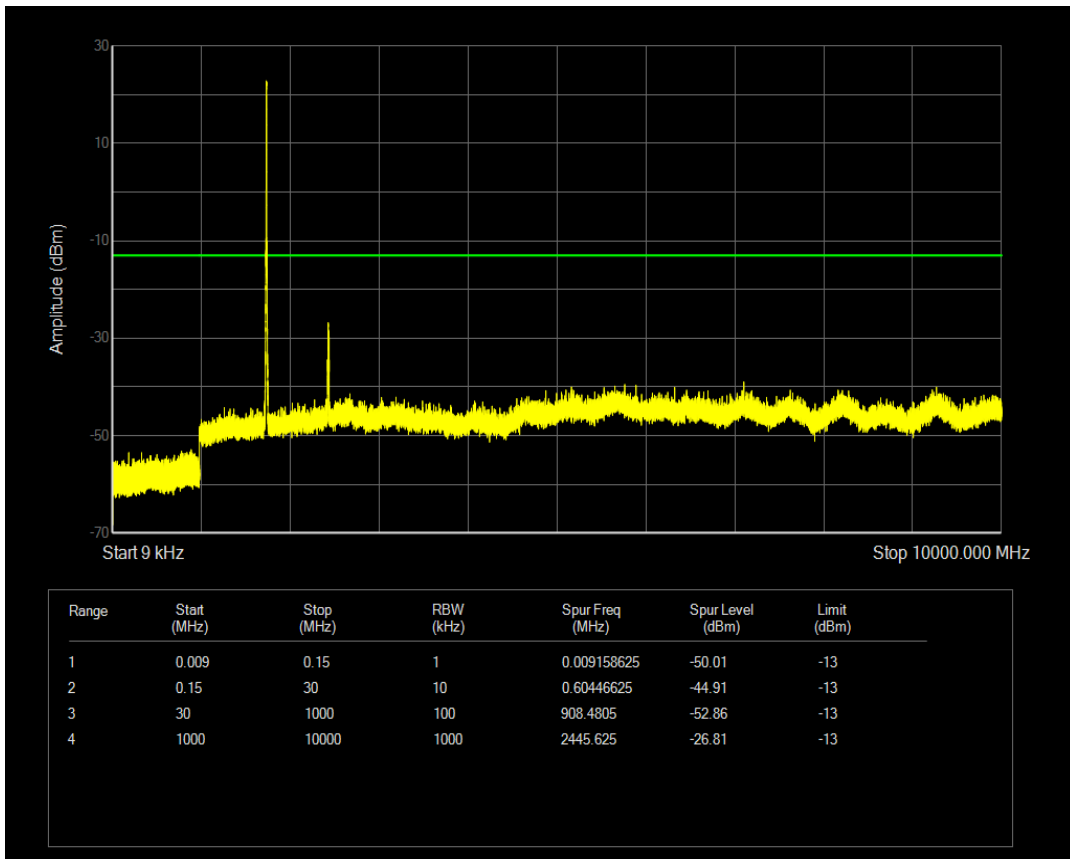


Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0



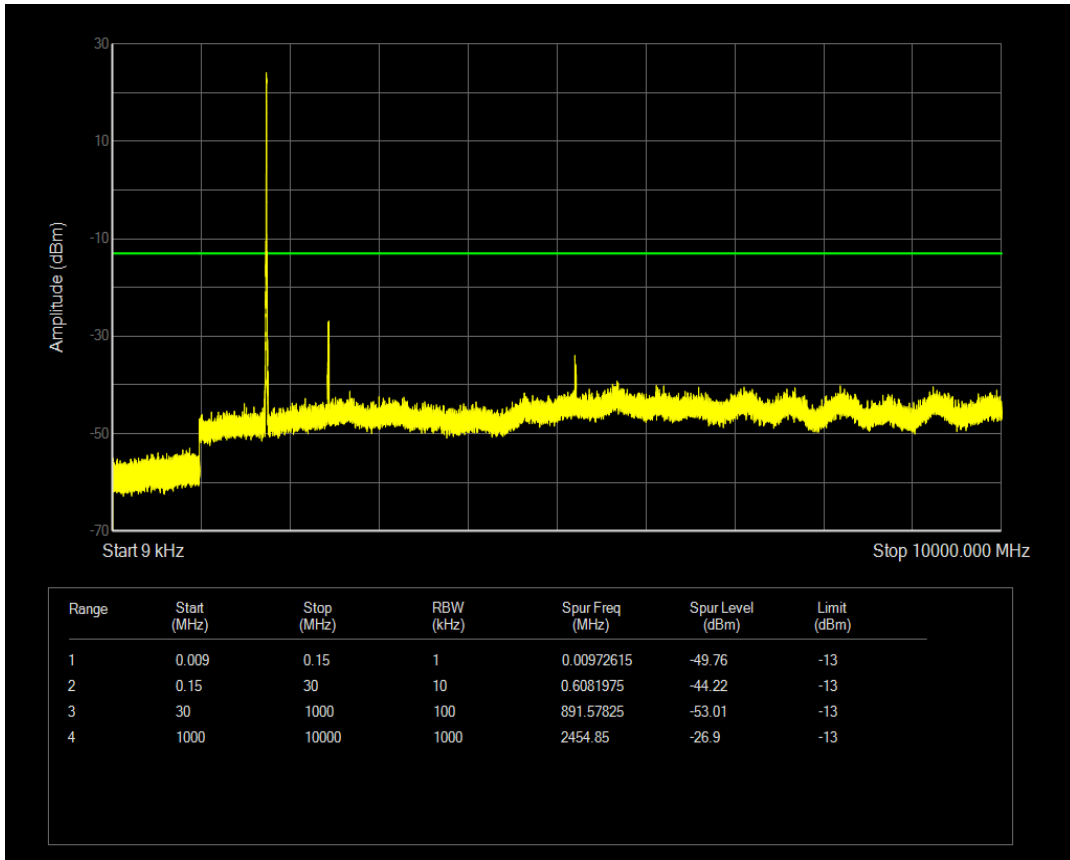


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

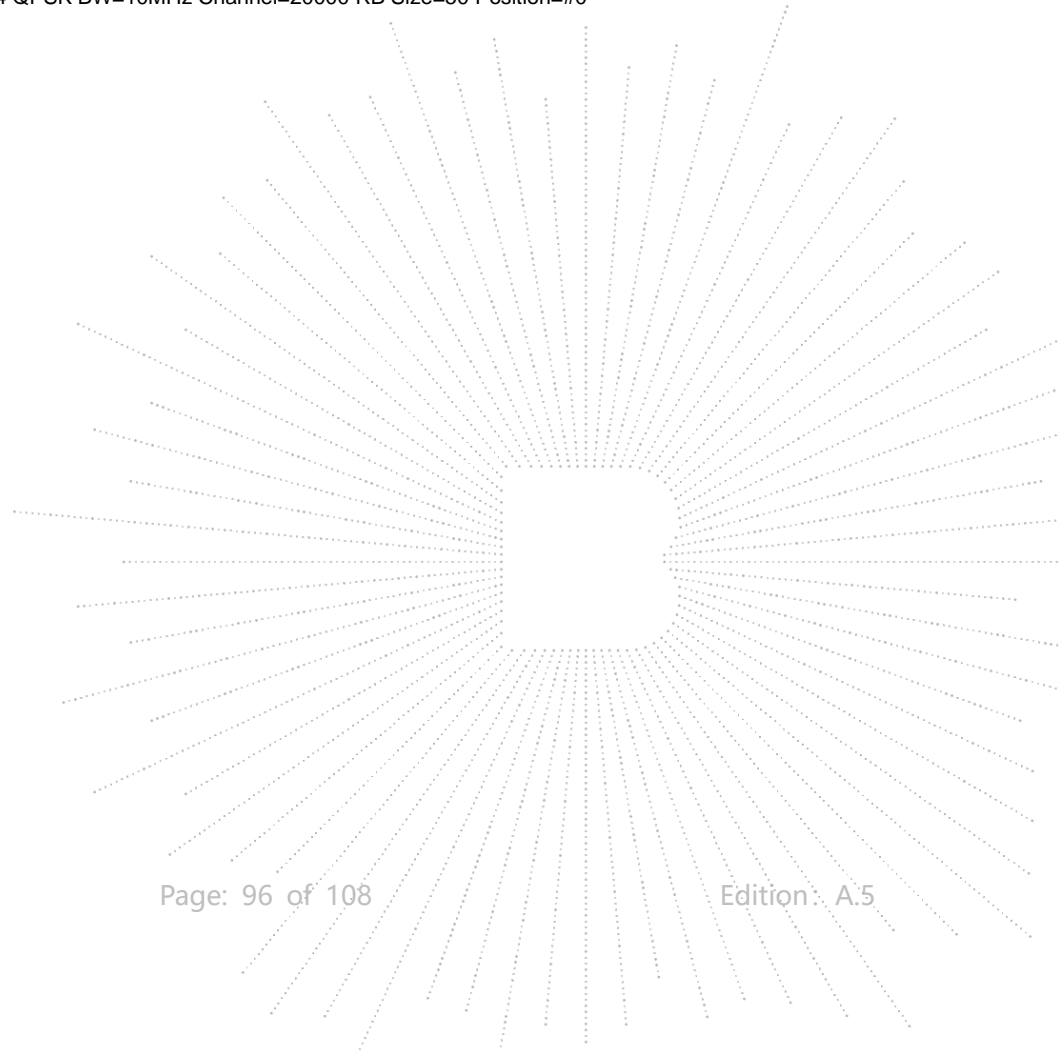


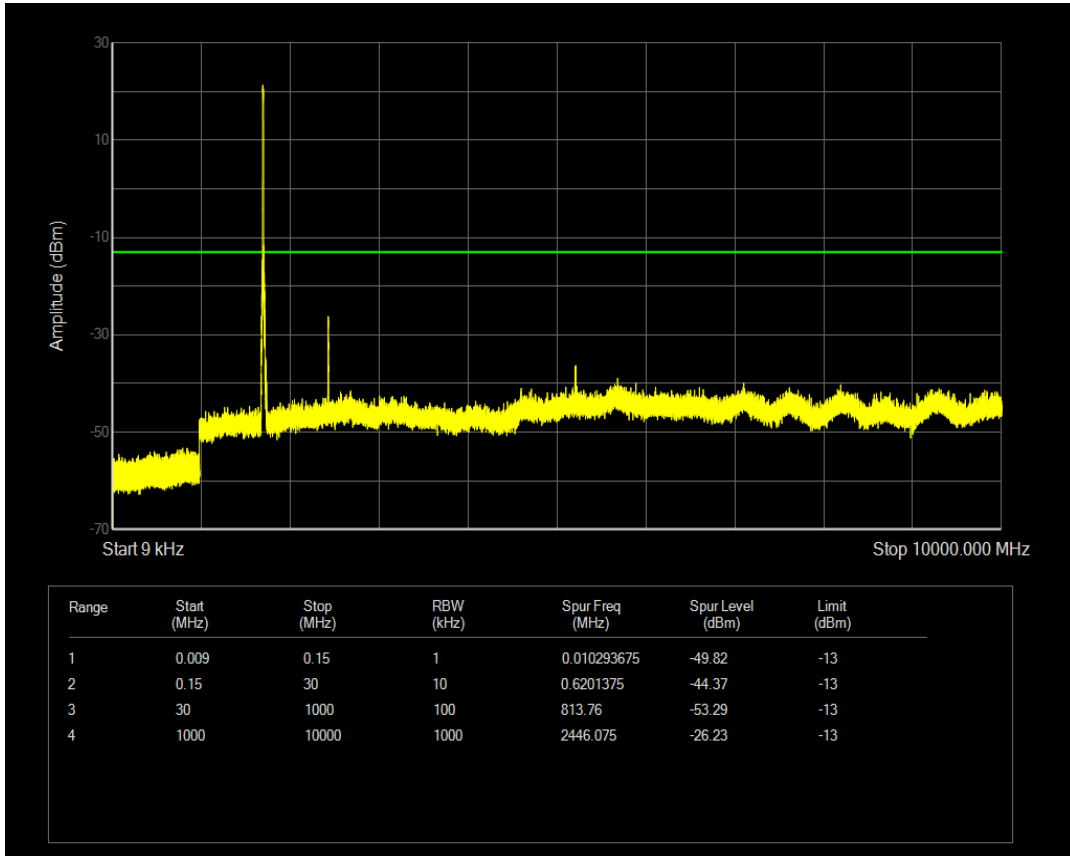


Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0

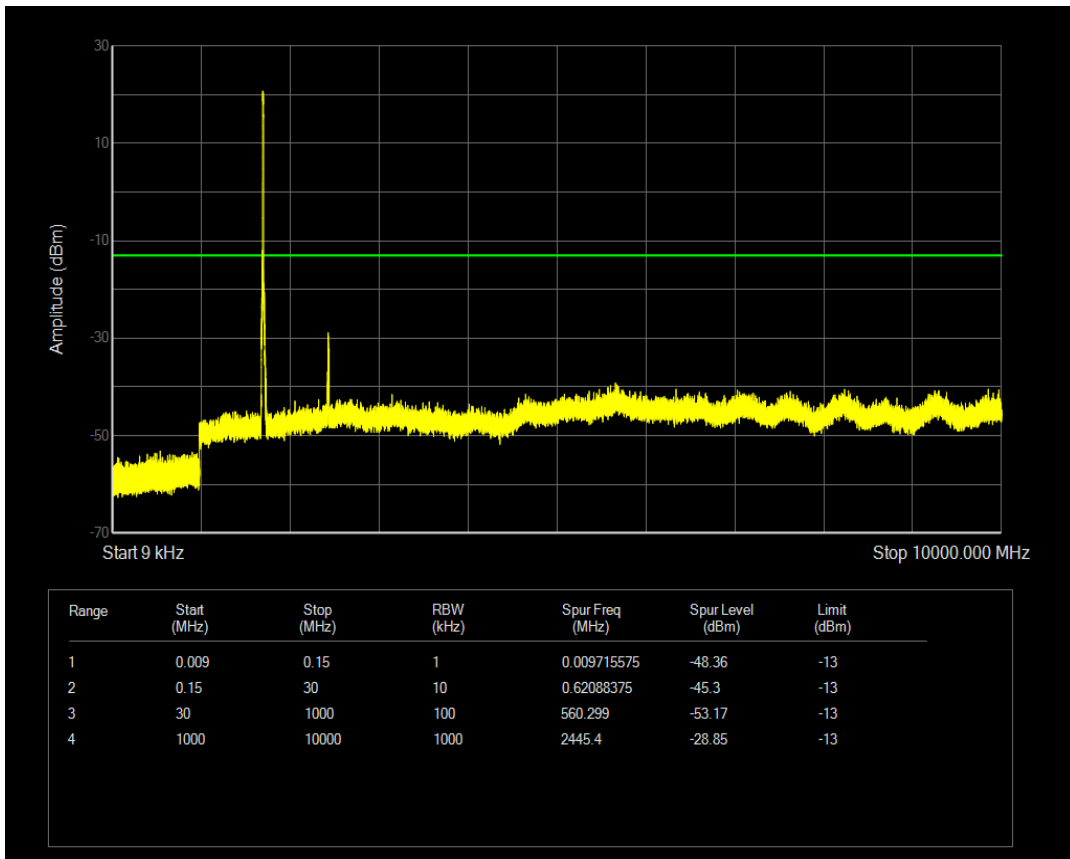


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



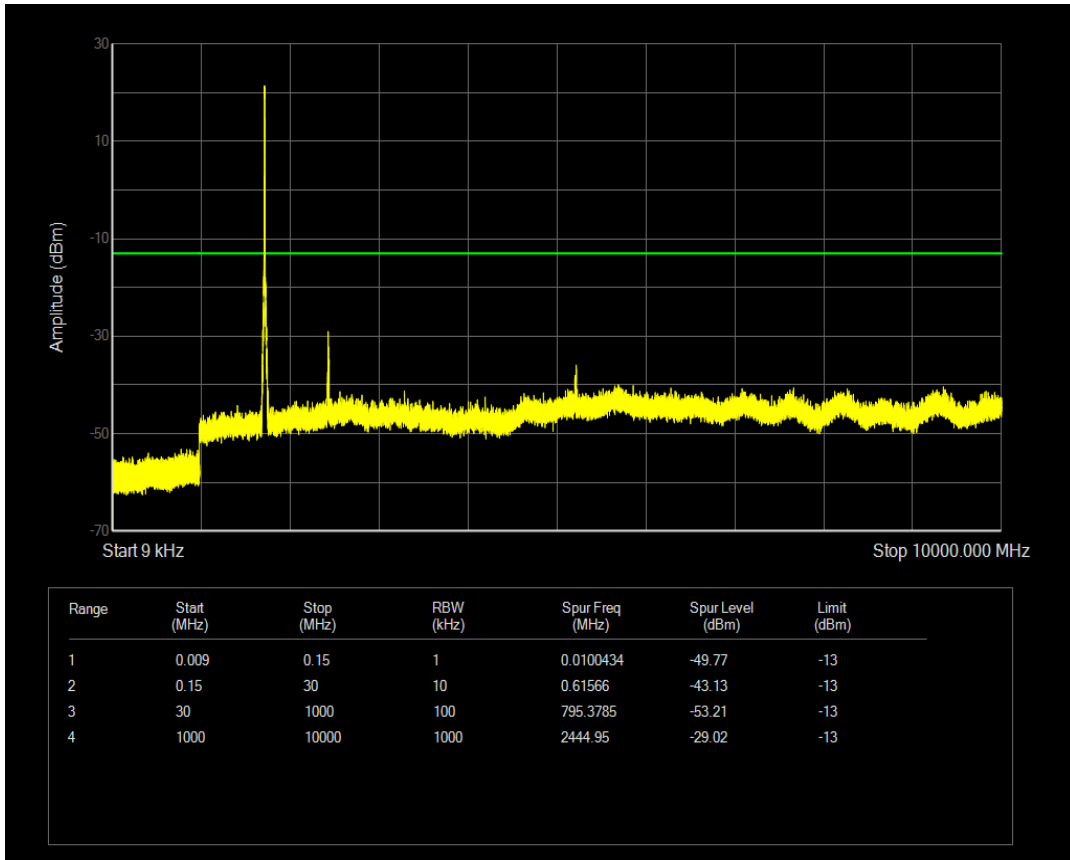


Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0

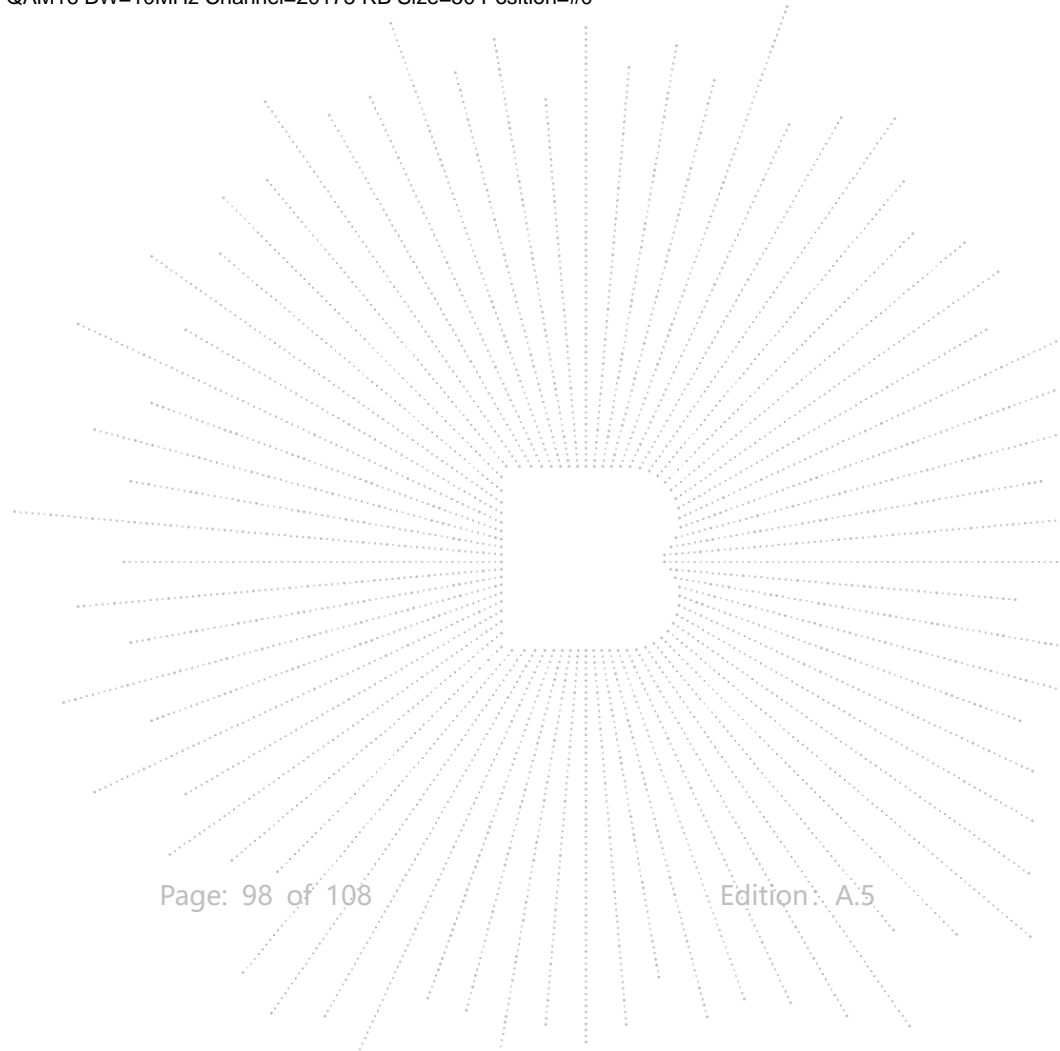


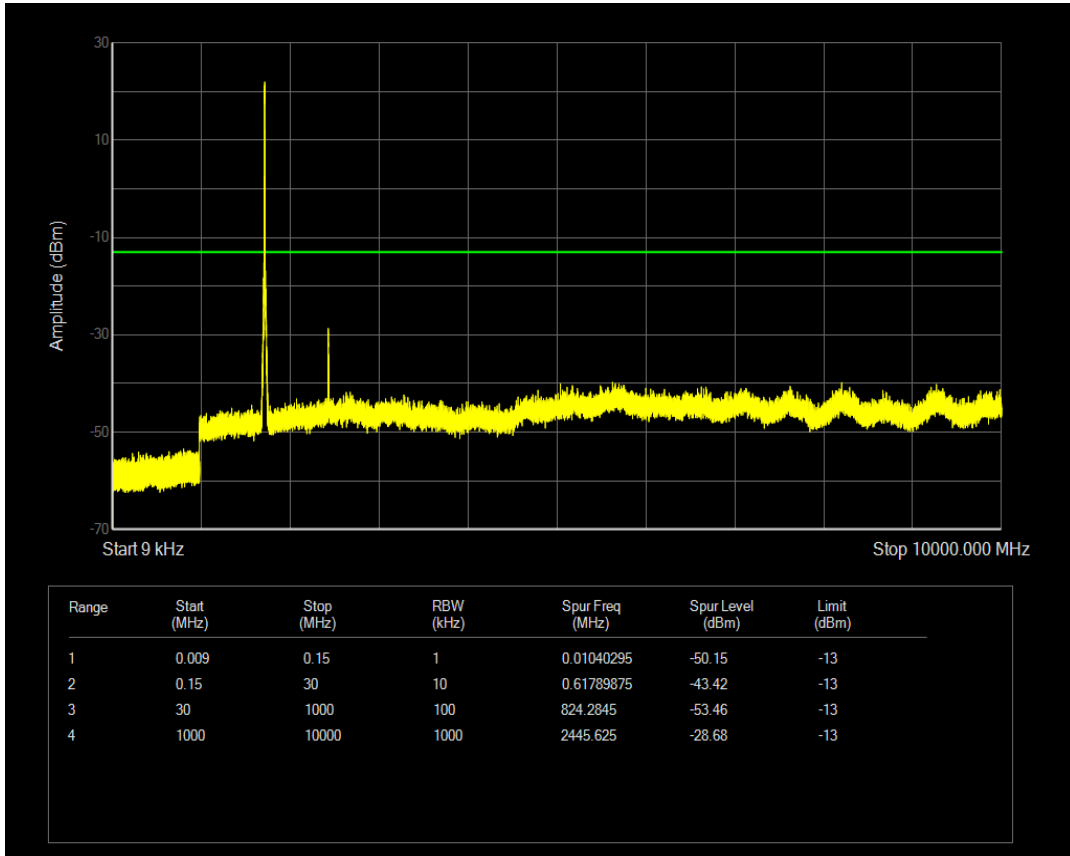


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

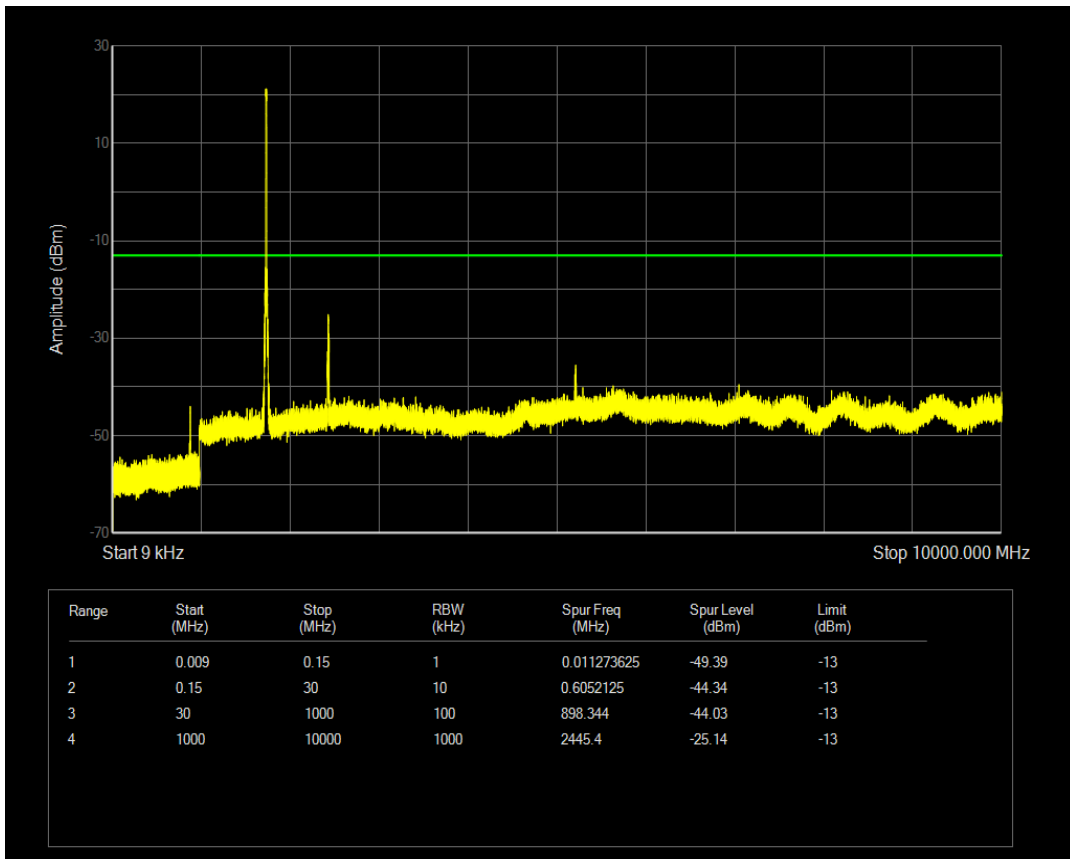


Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0



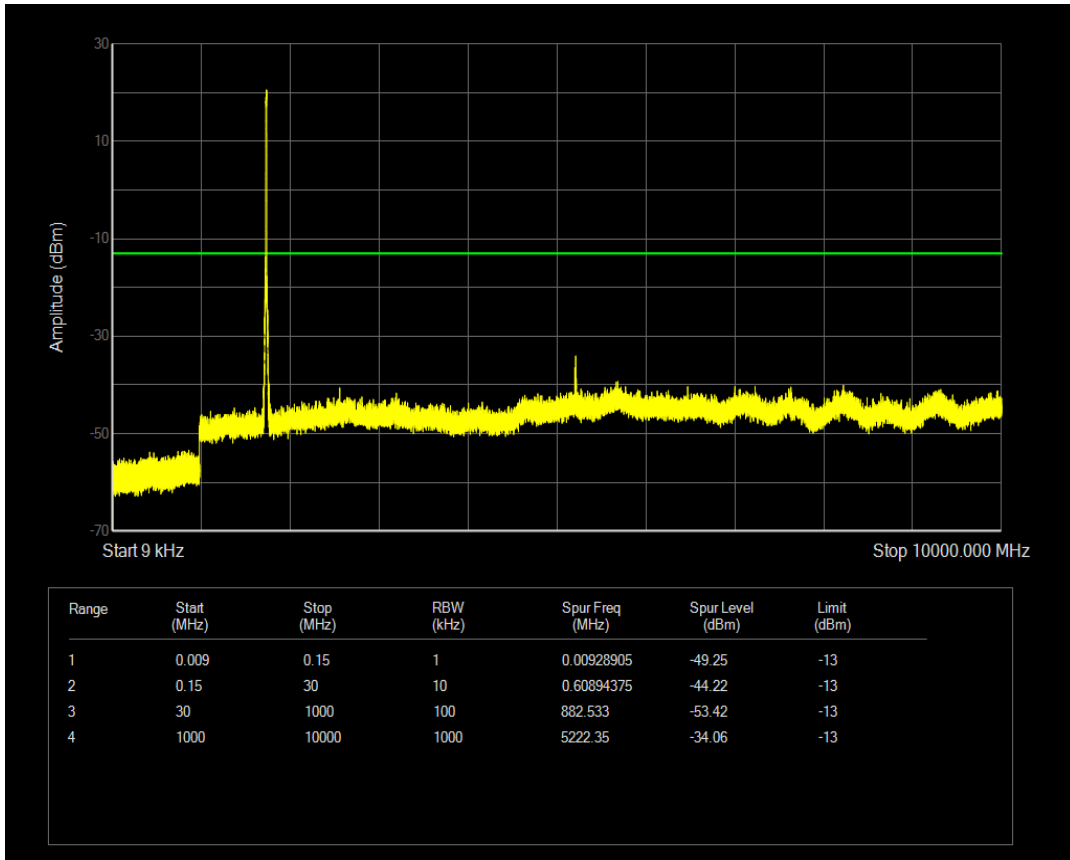


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

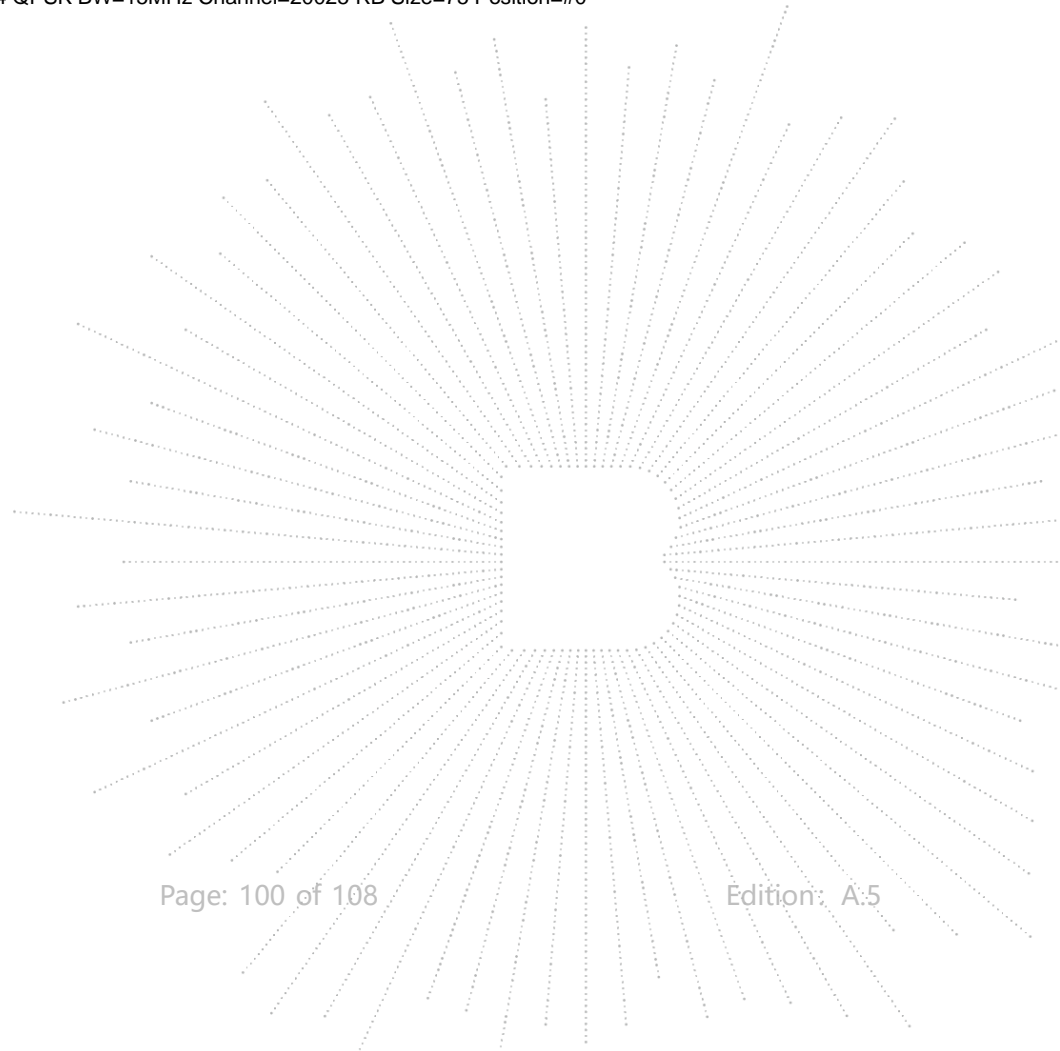


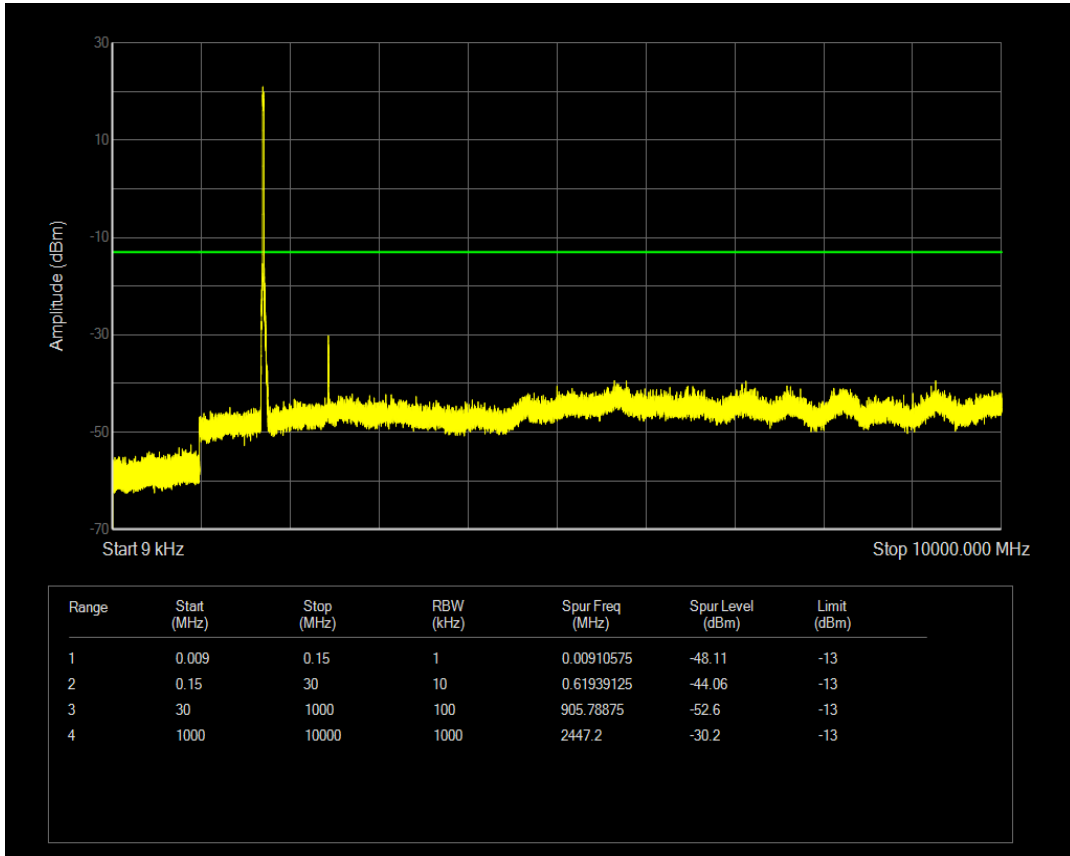


Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0

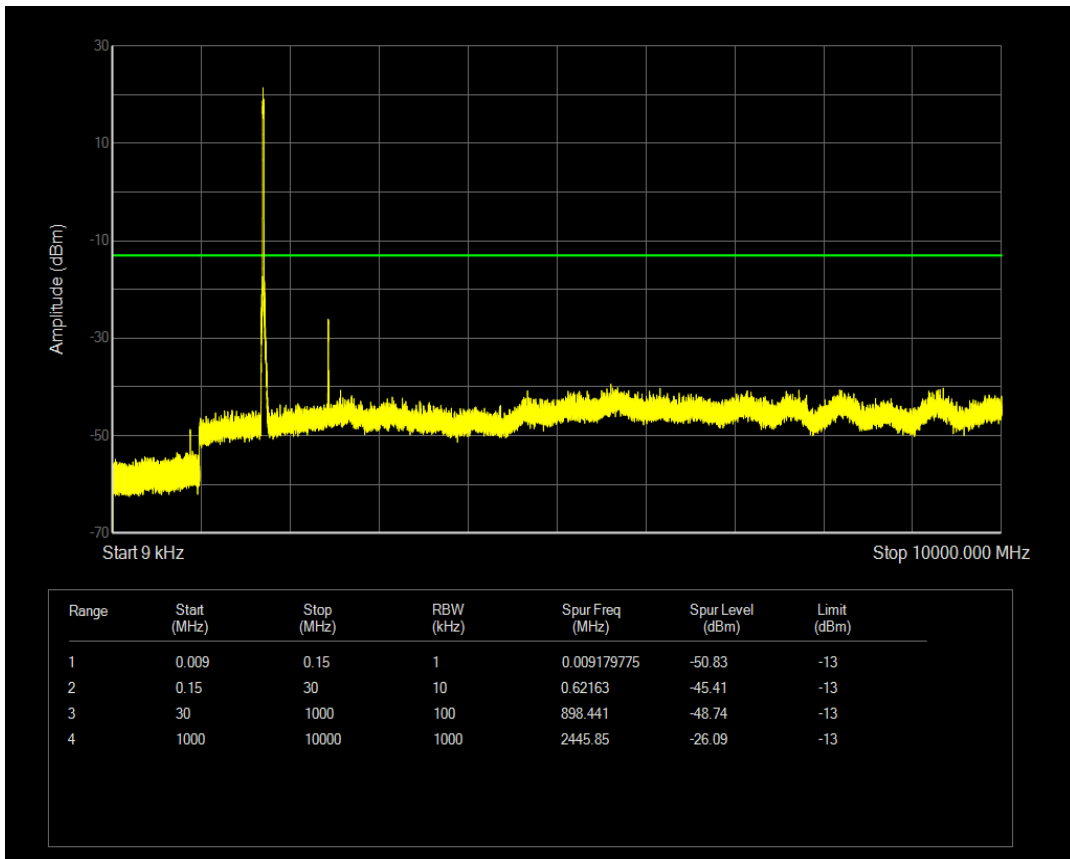


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



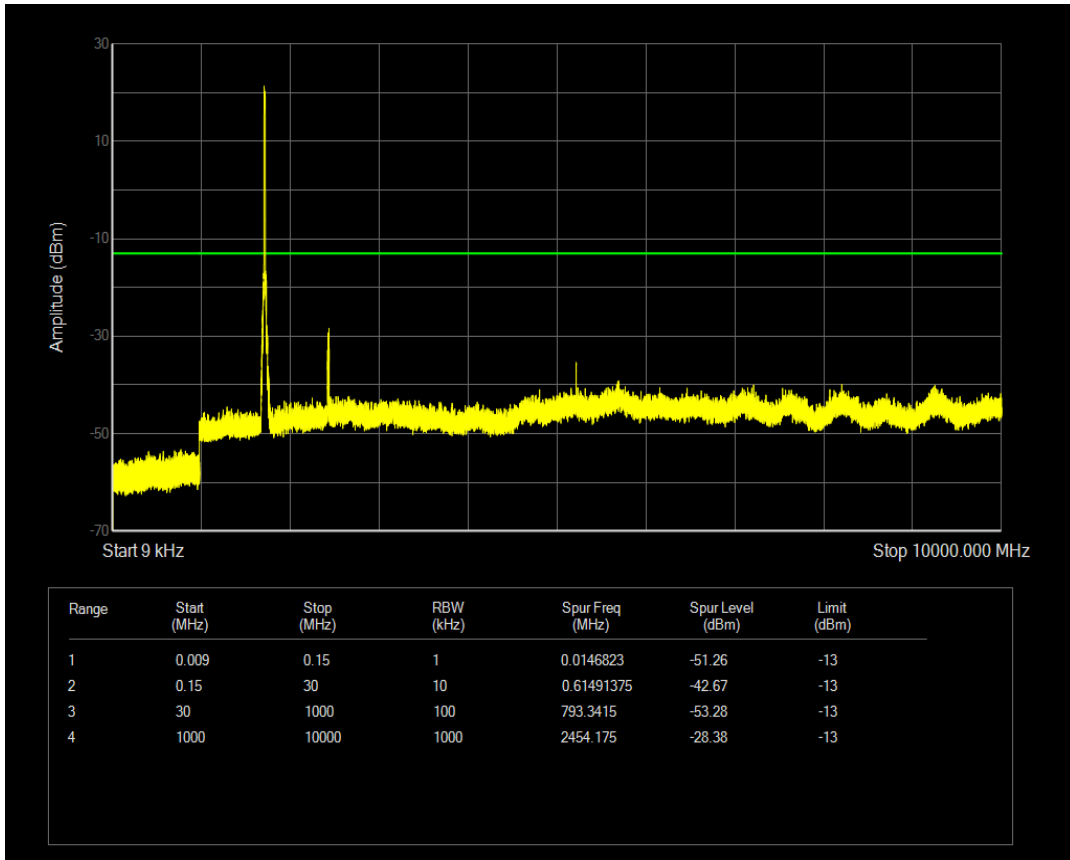


Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0

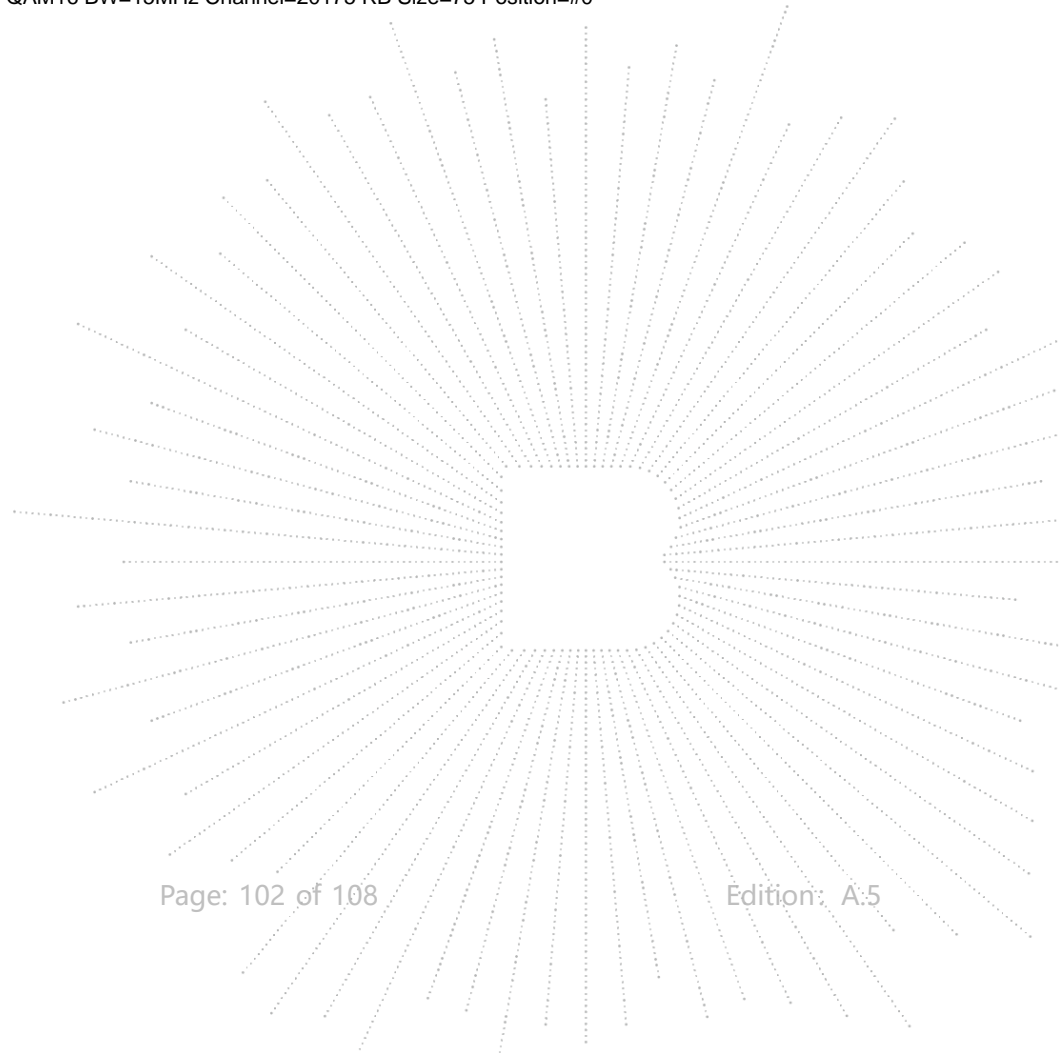


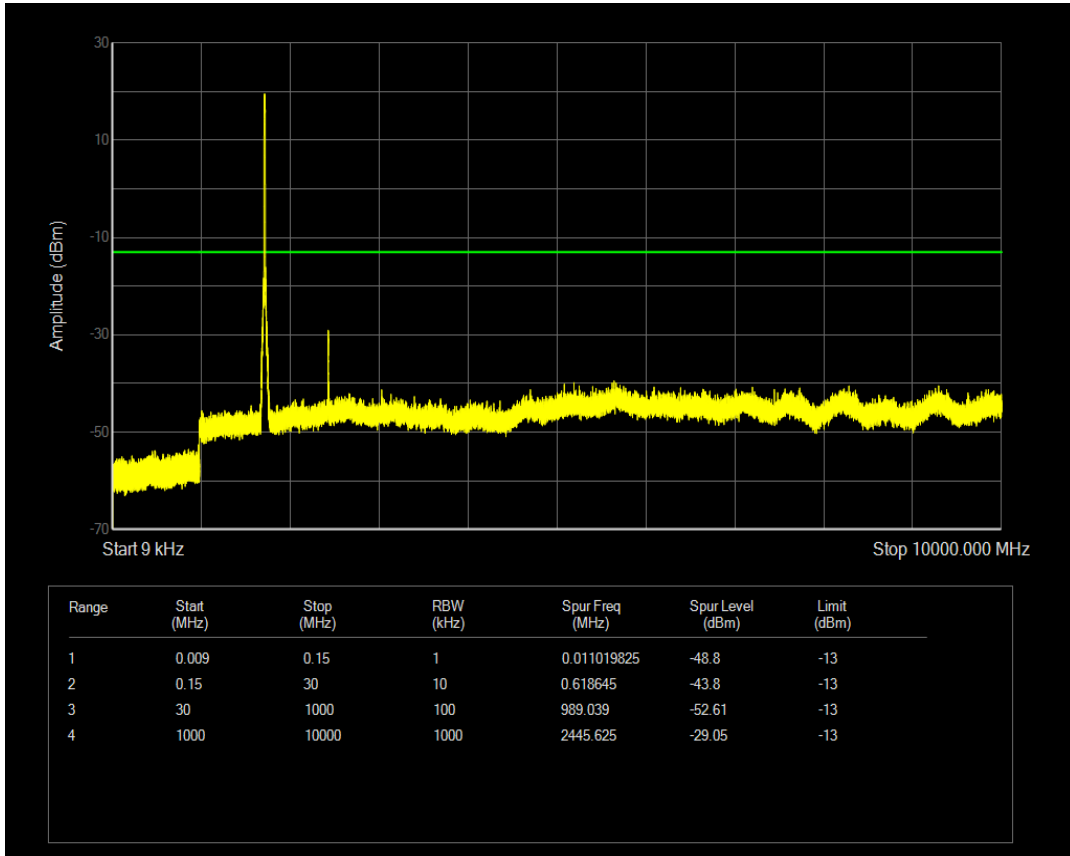


Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

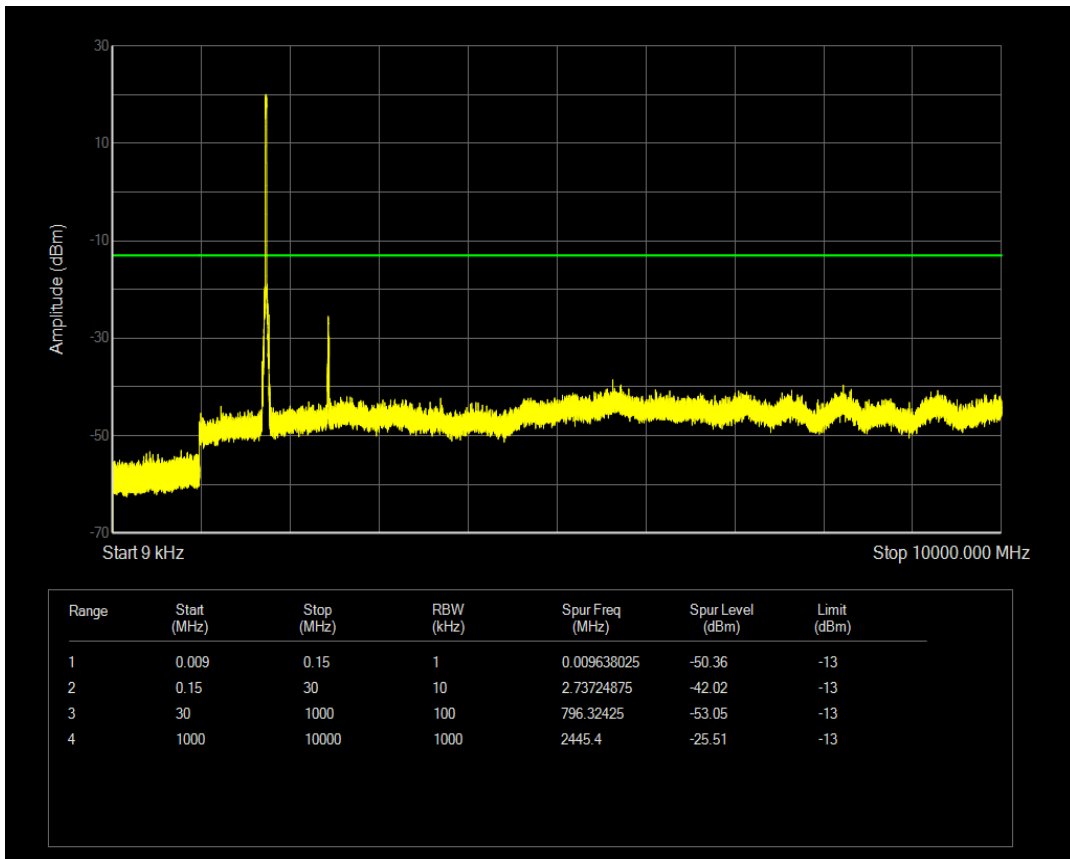


Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0



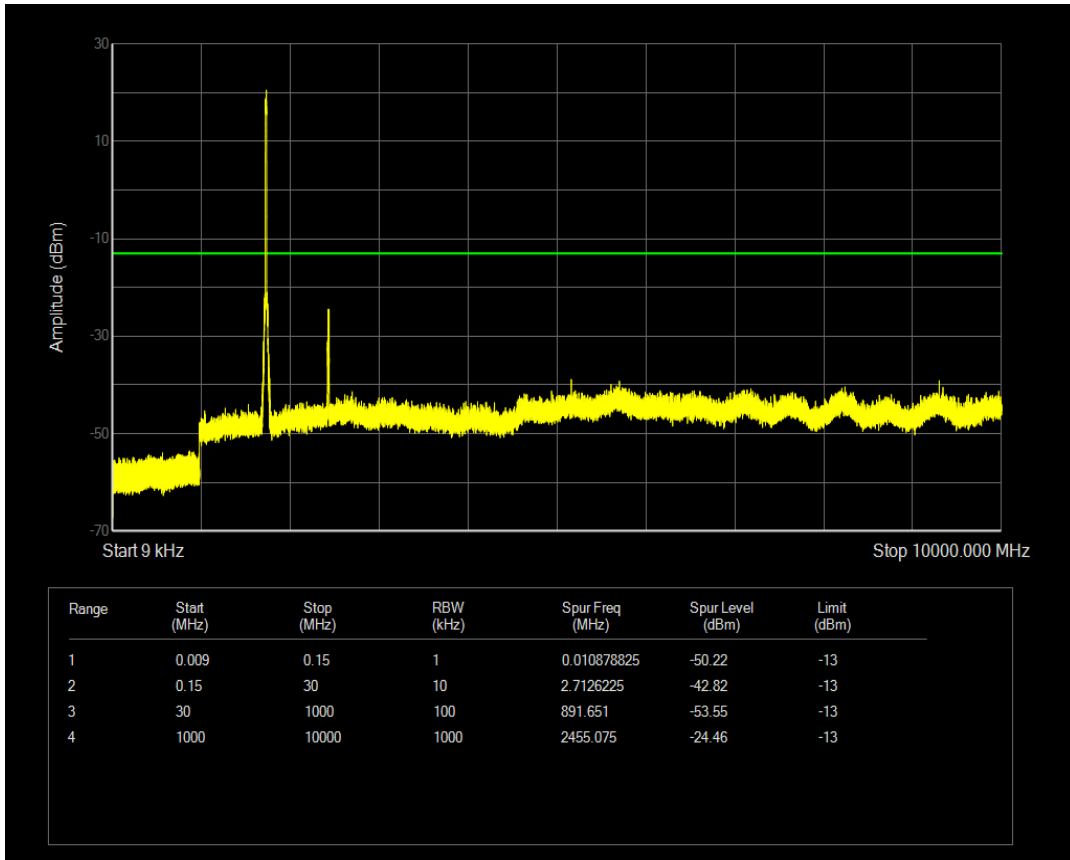


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

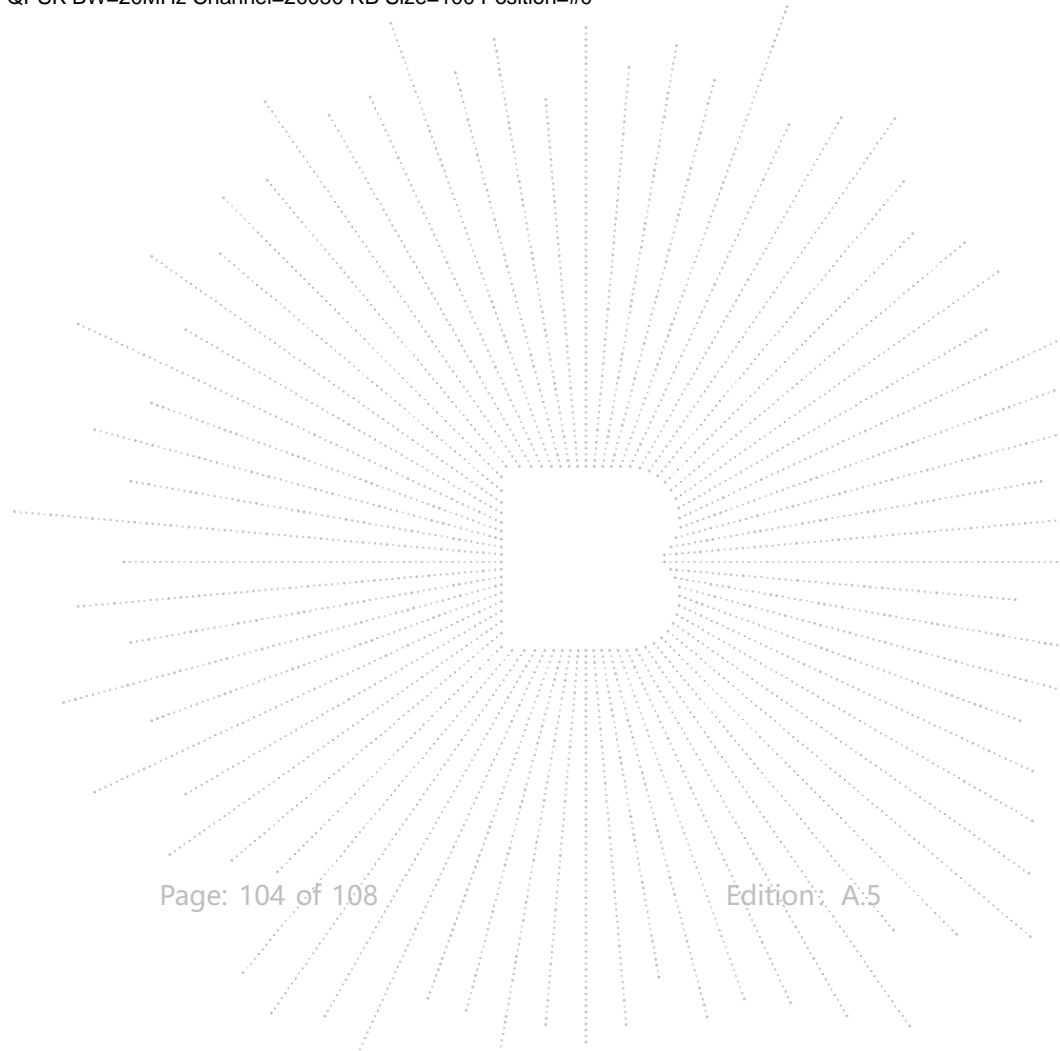


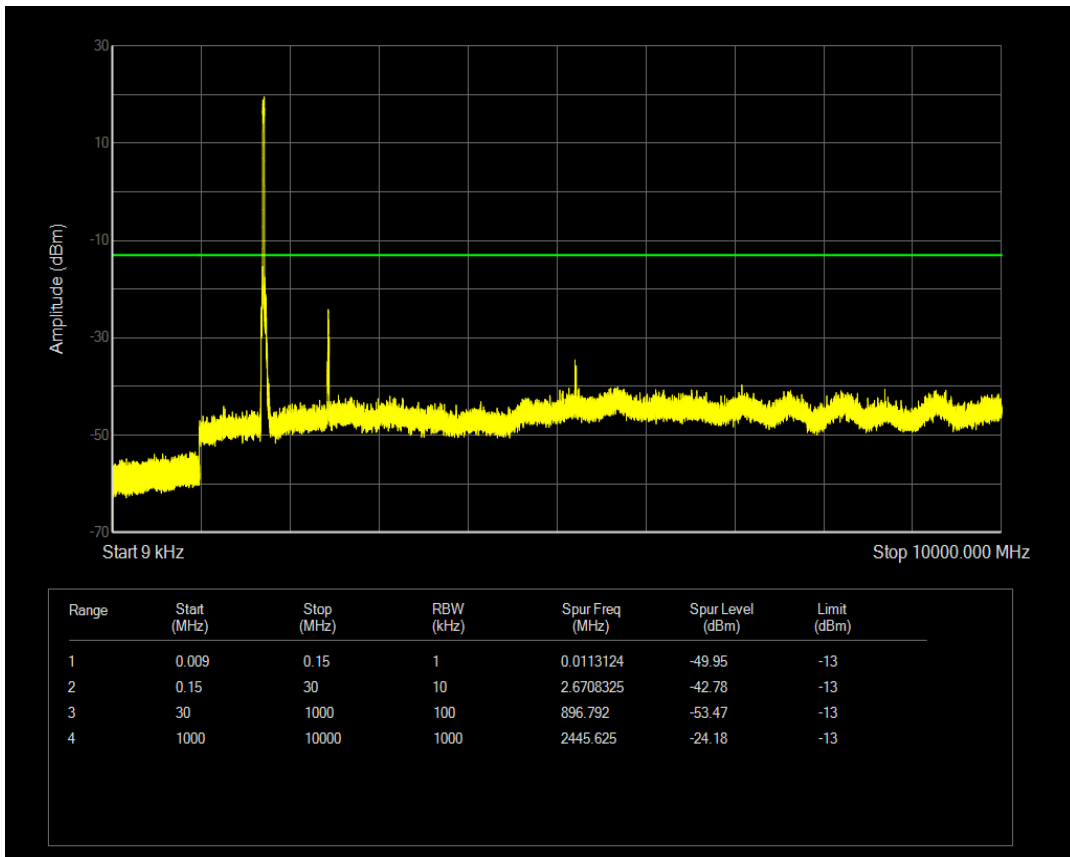


Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0

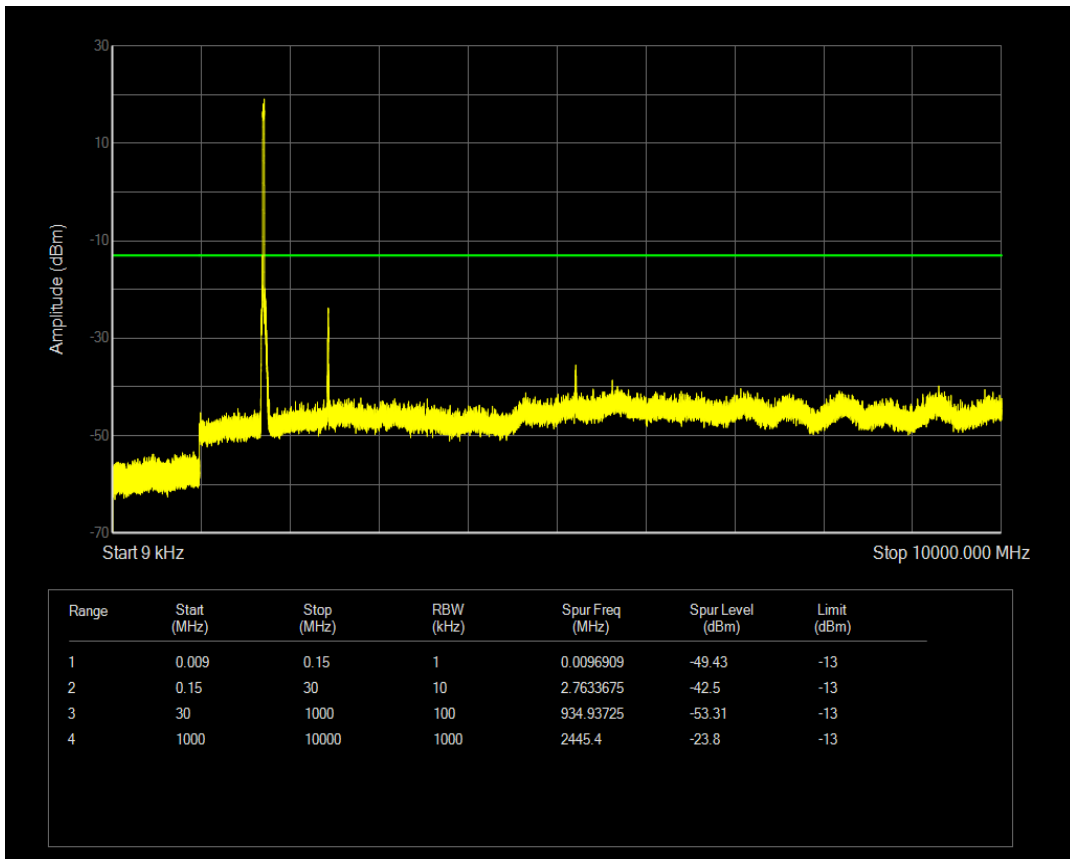


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



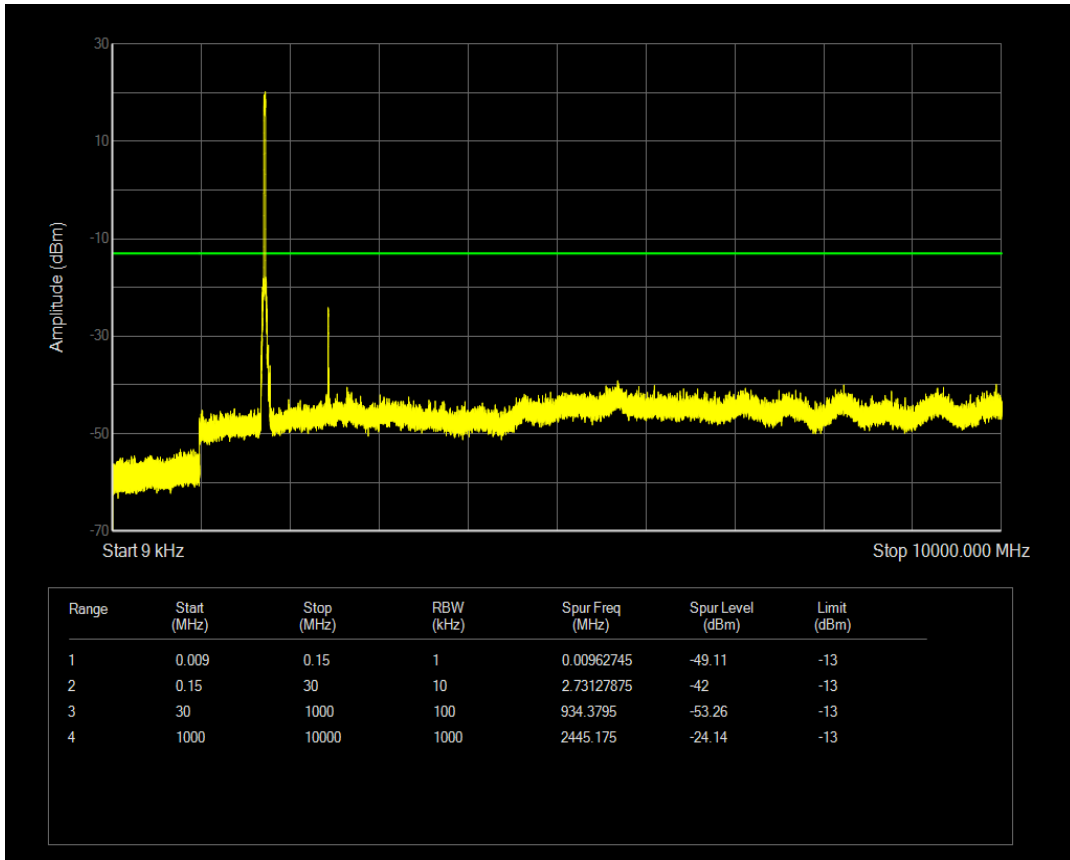


Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0

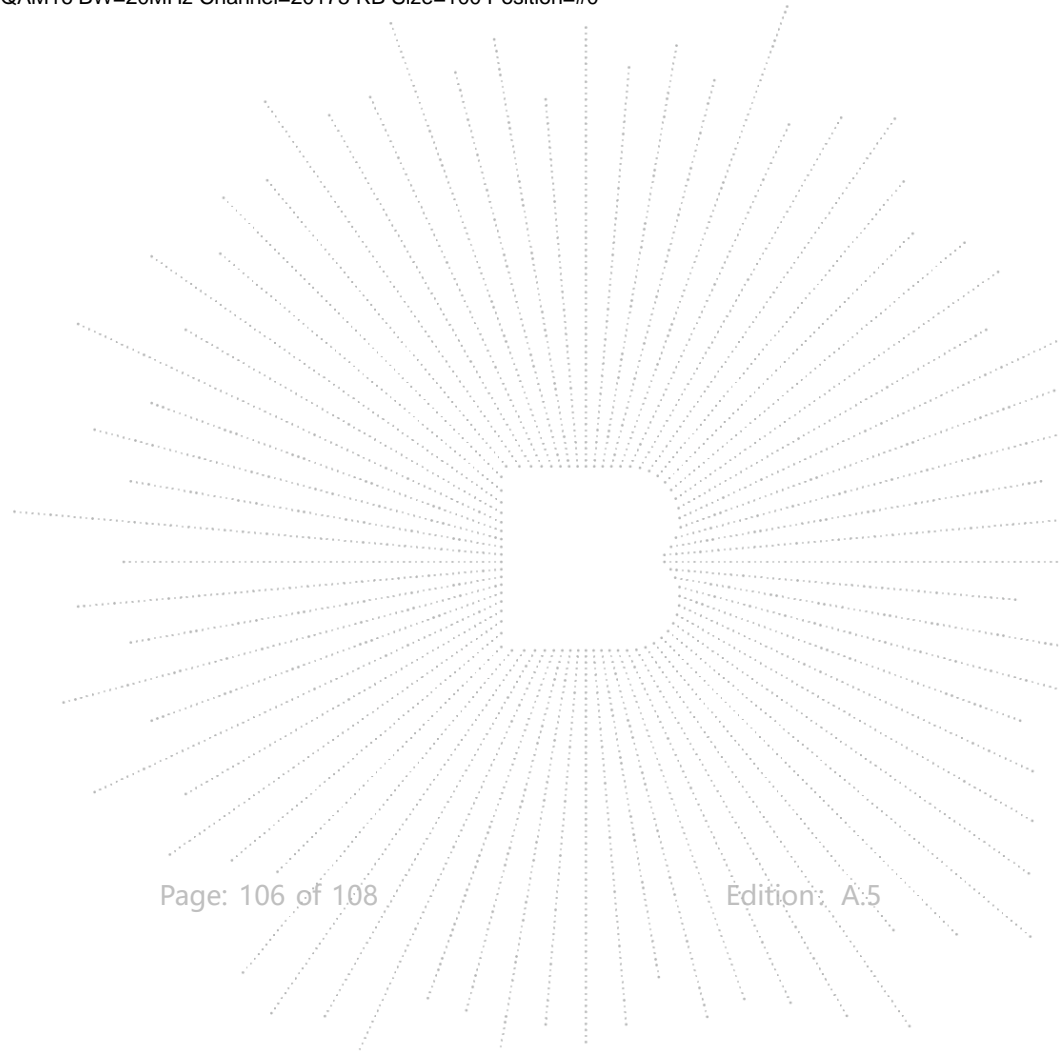


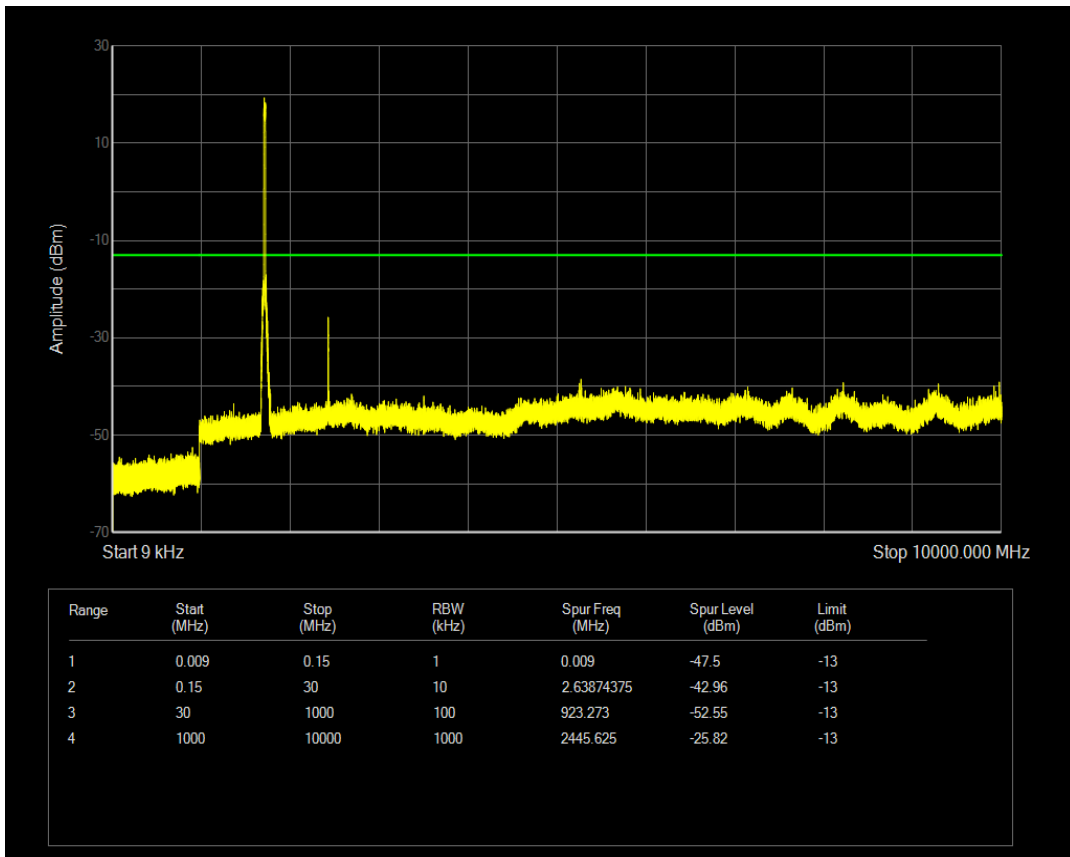


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

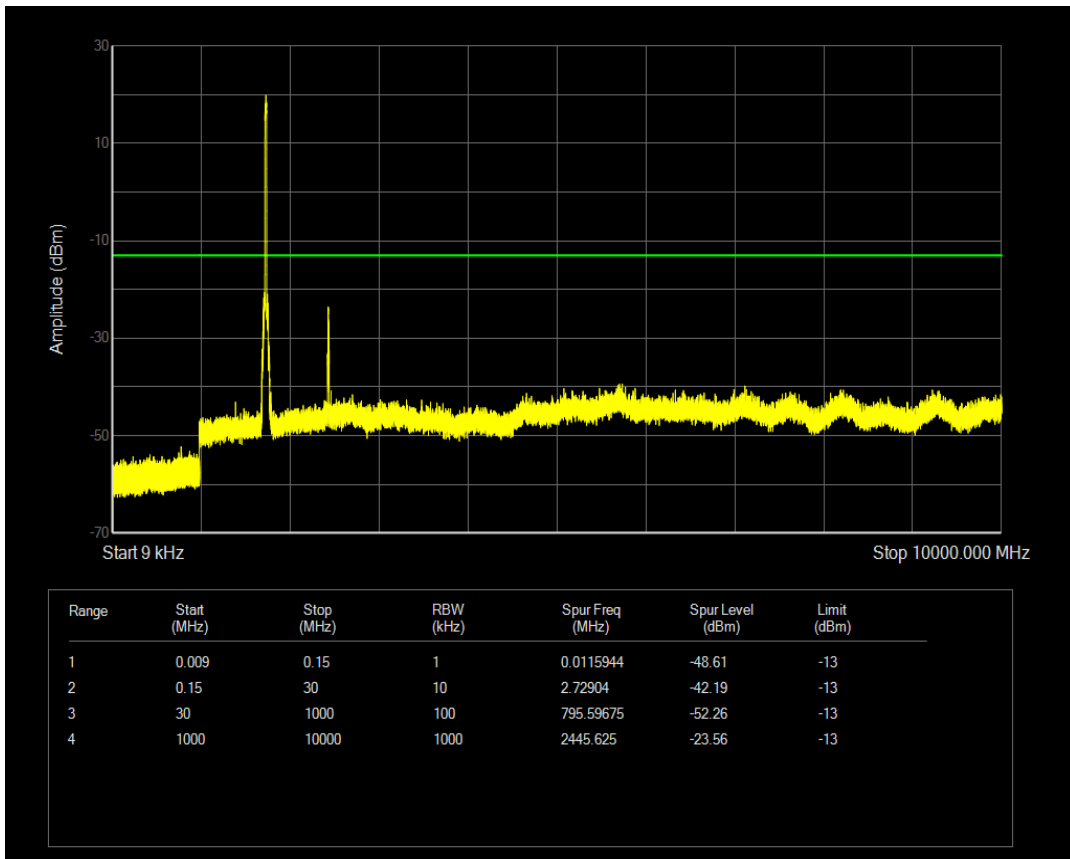


Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0





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





Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0

