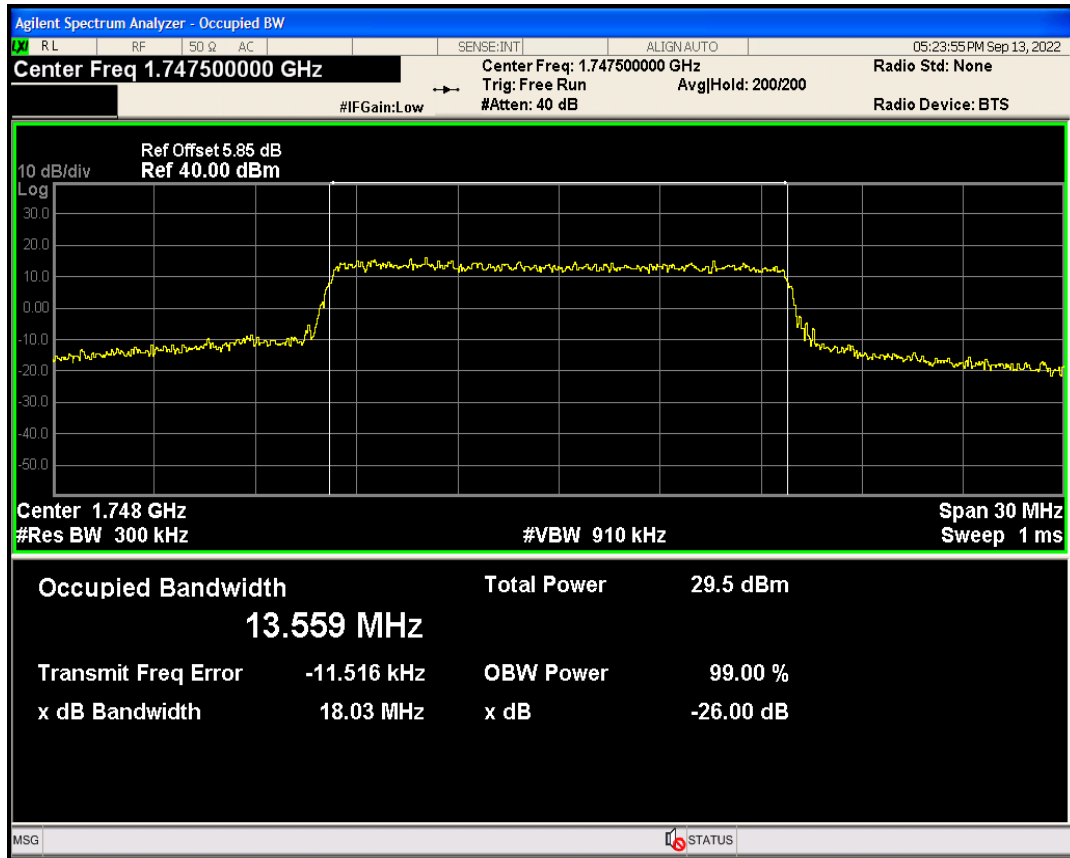
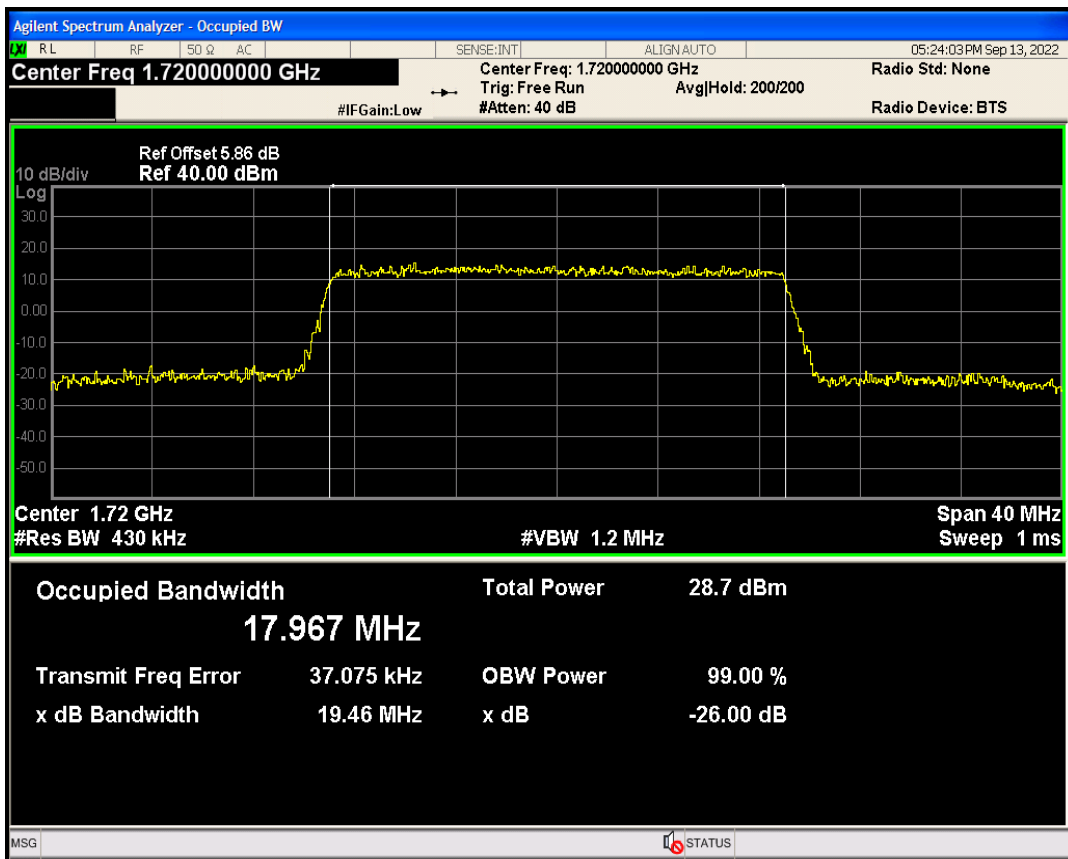




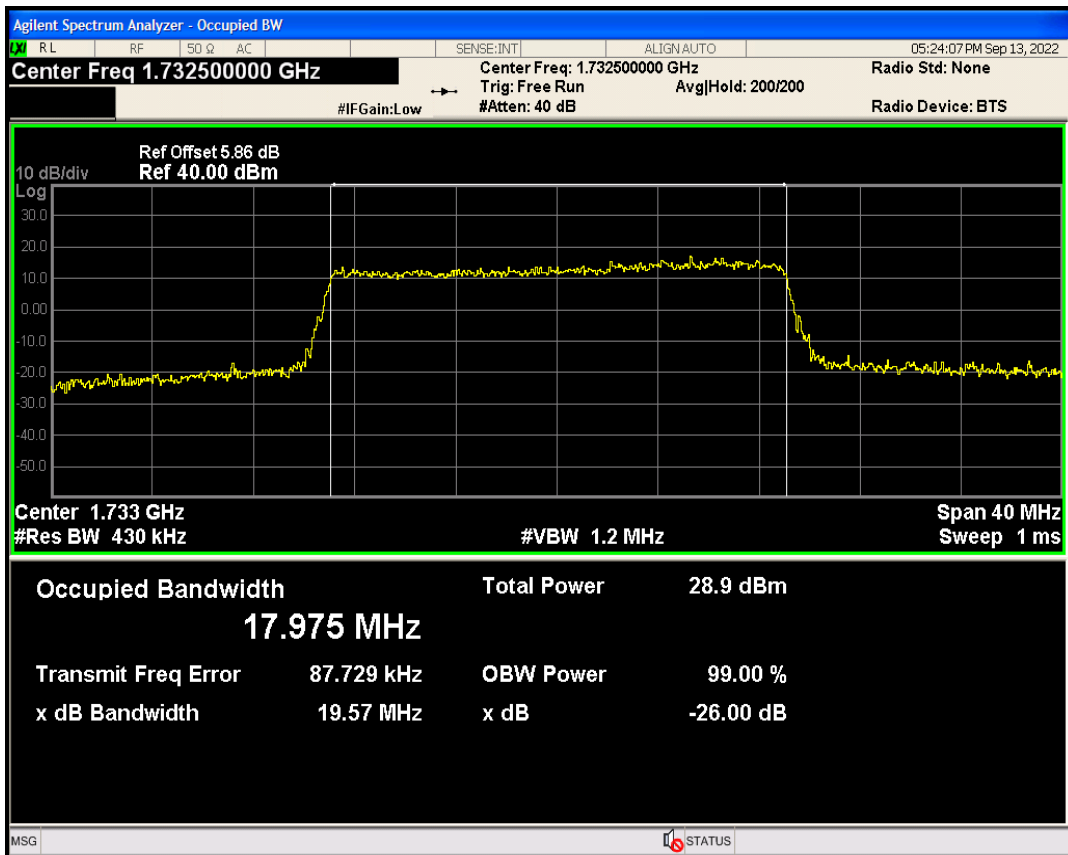
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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

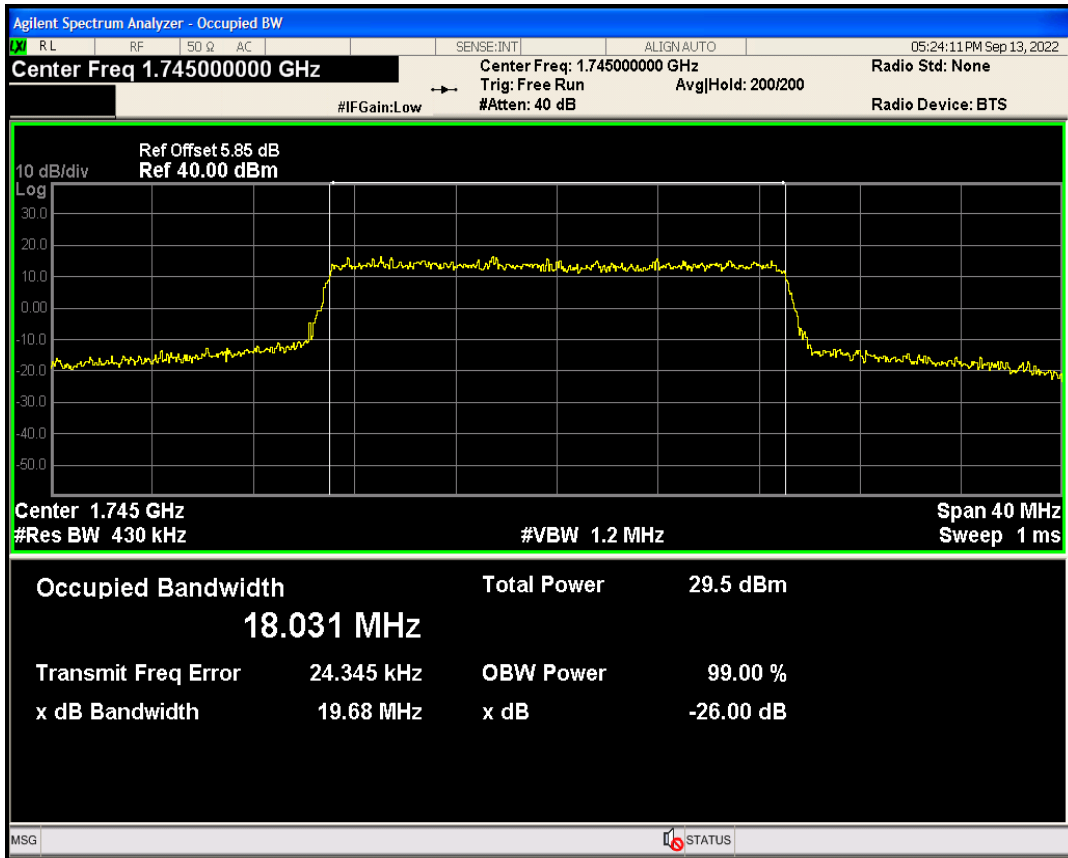


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

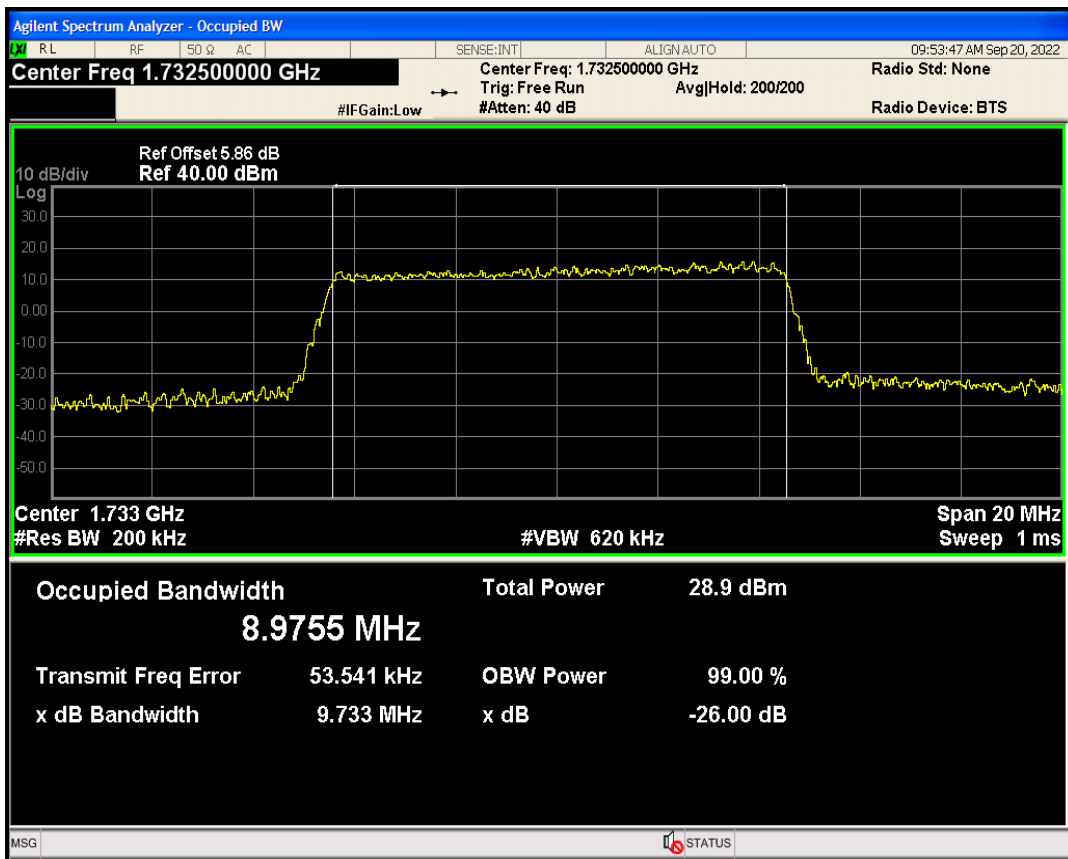




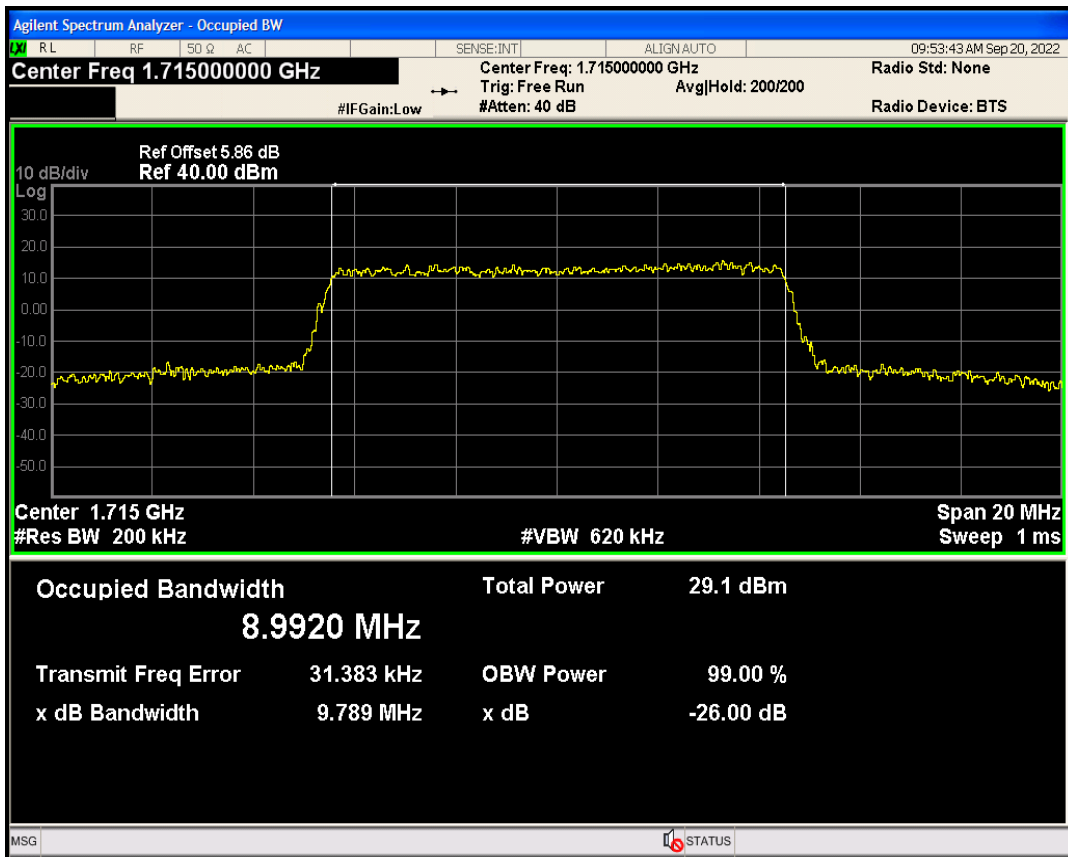
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



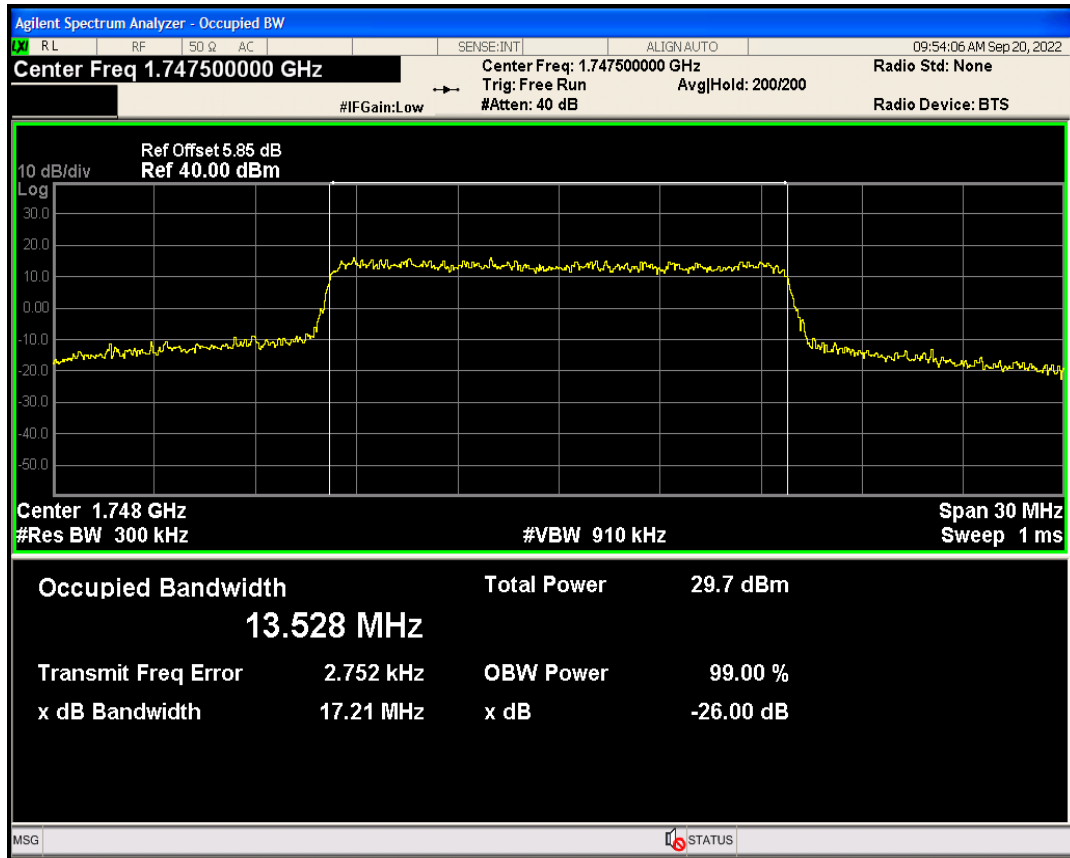
Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0



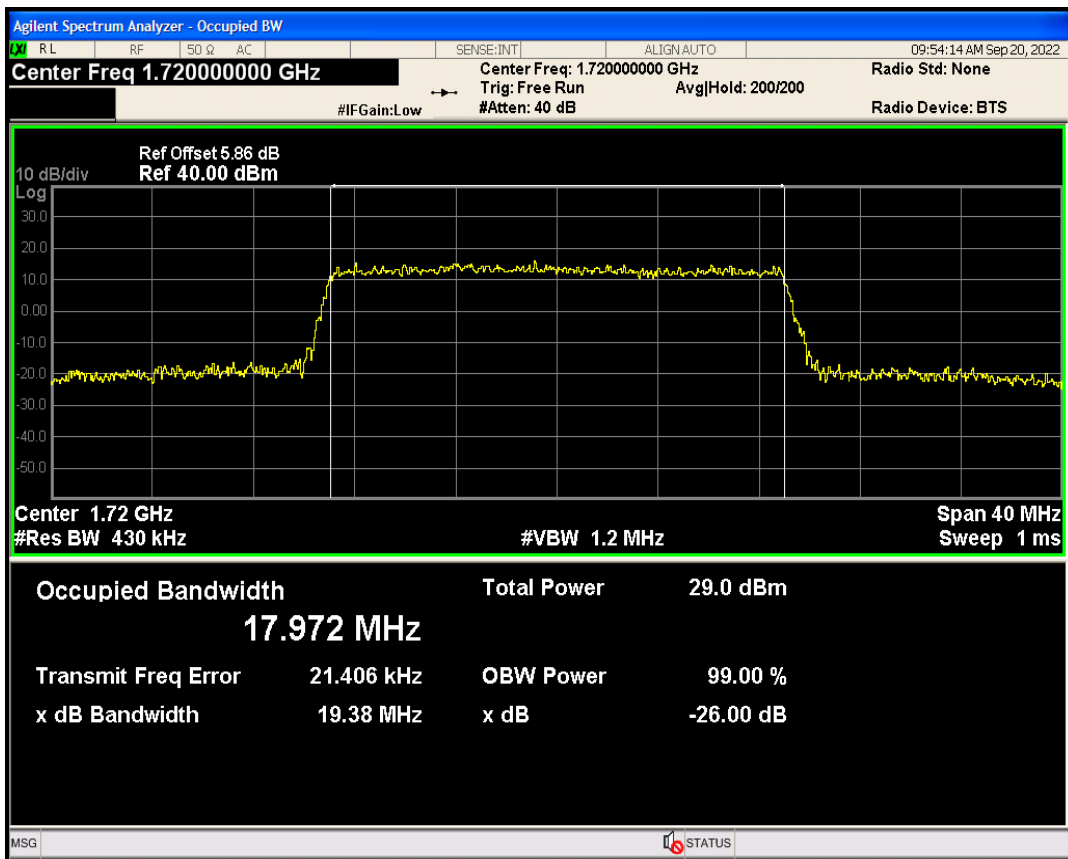
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



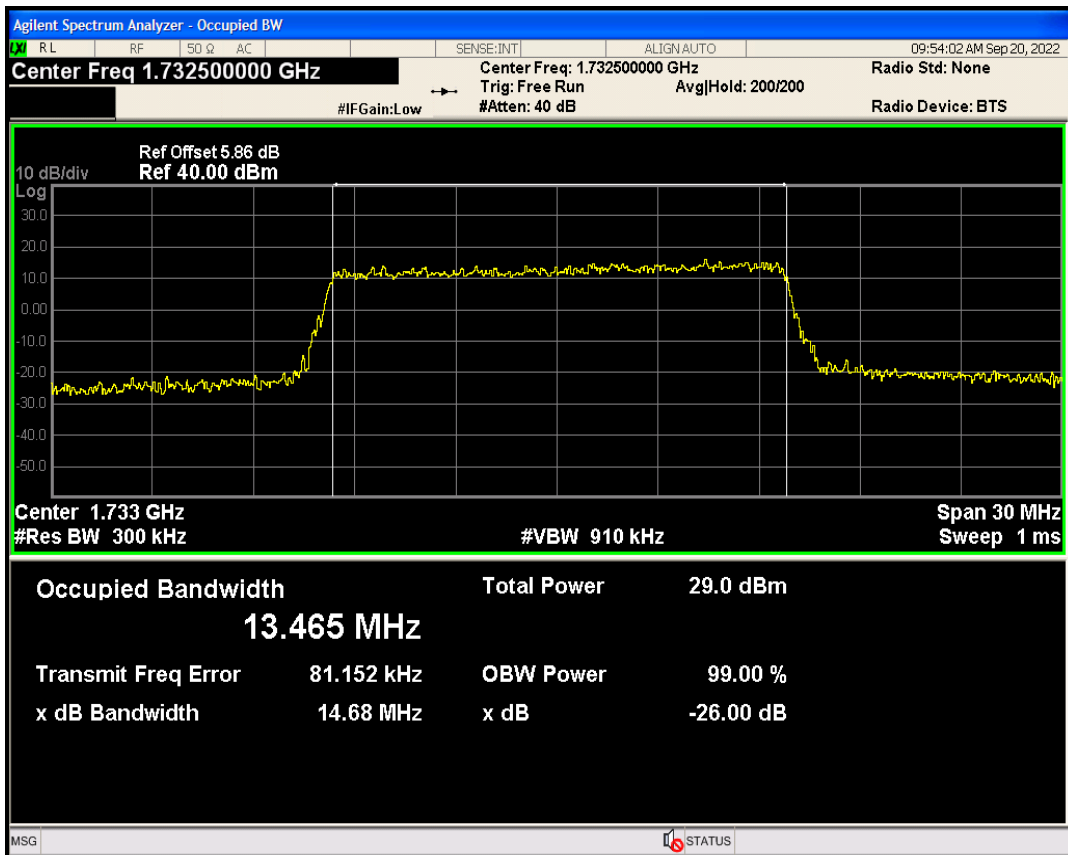
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



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

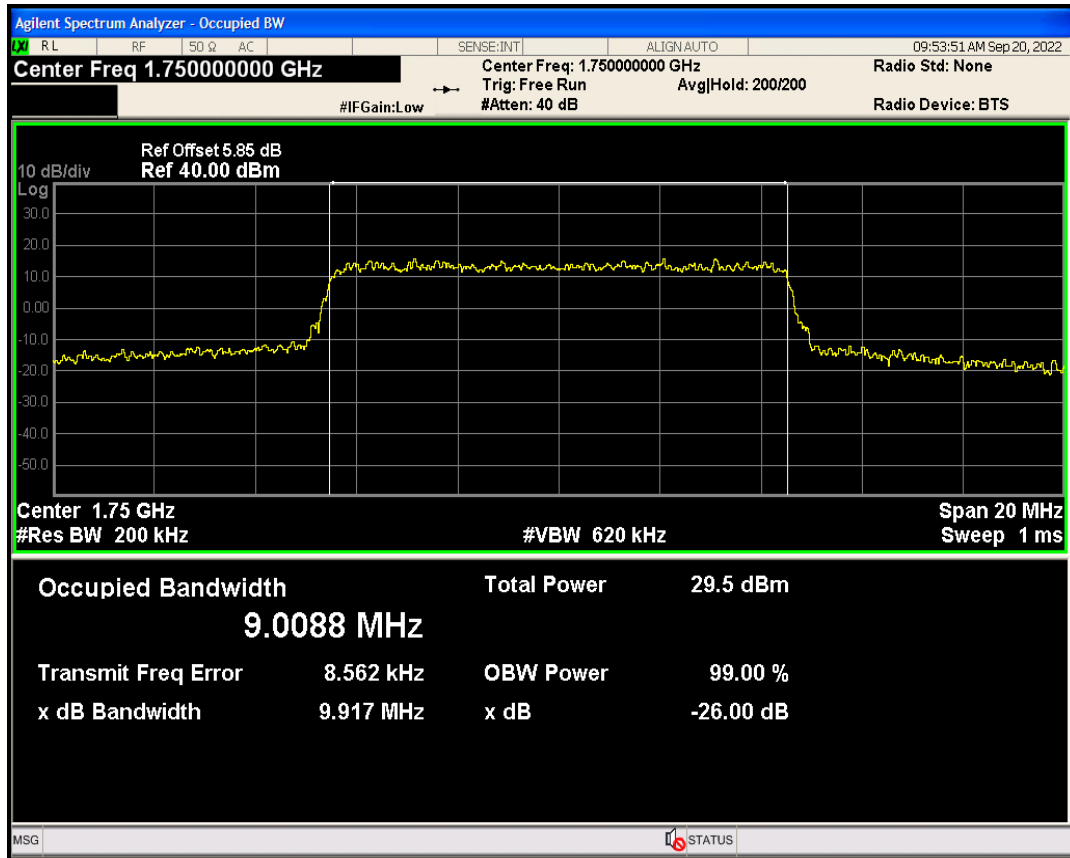


Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0

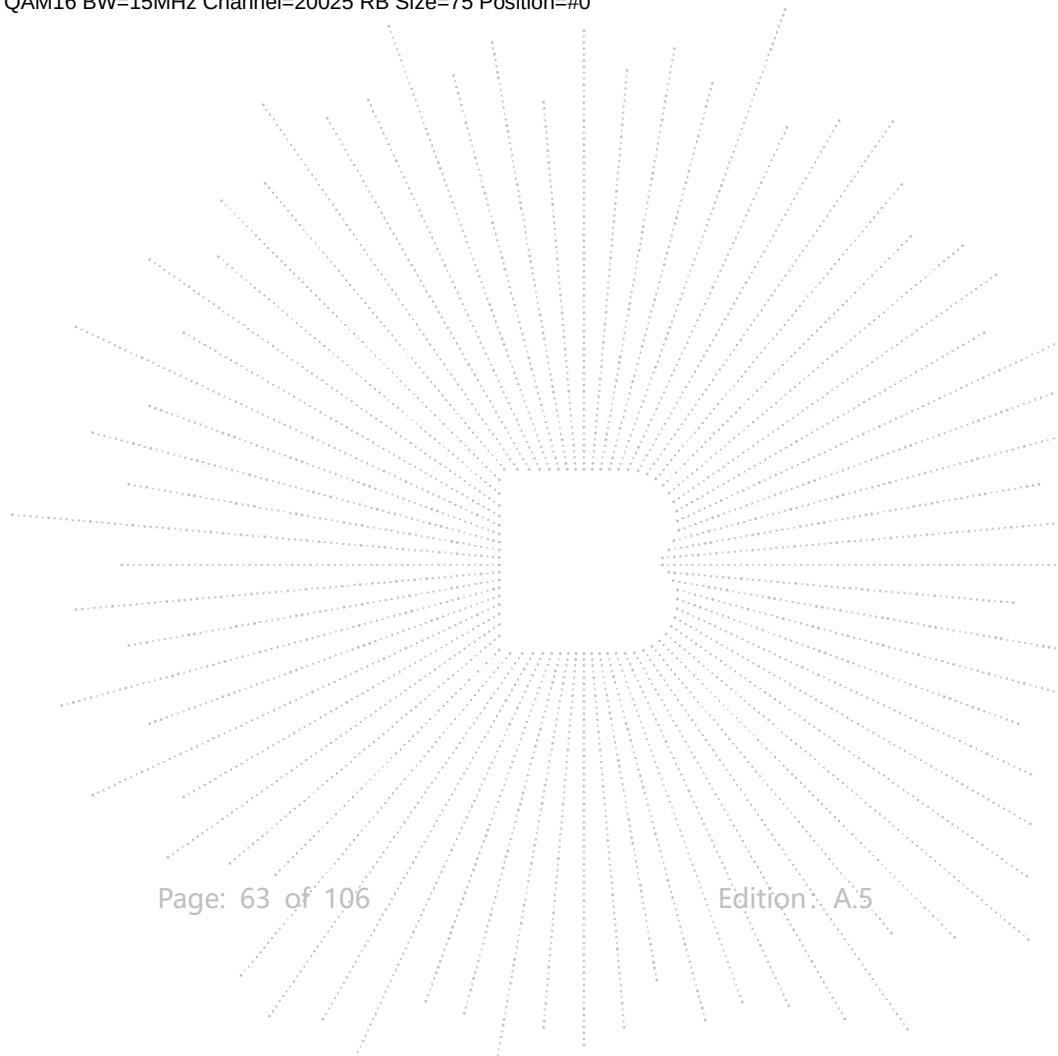


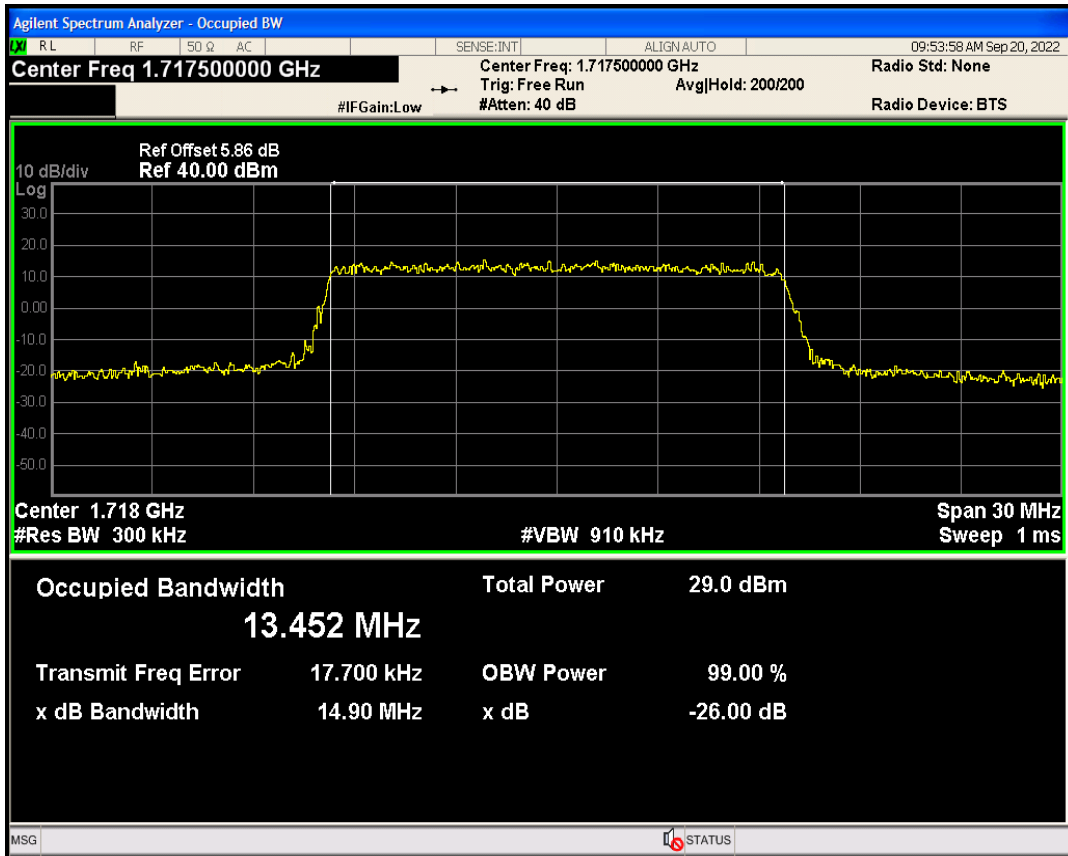


Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0

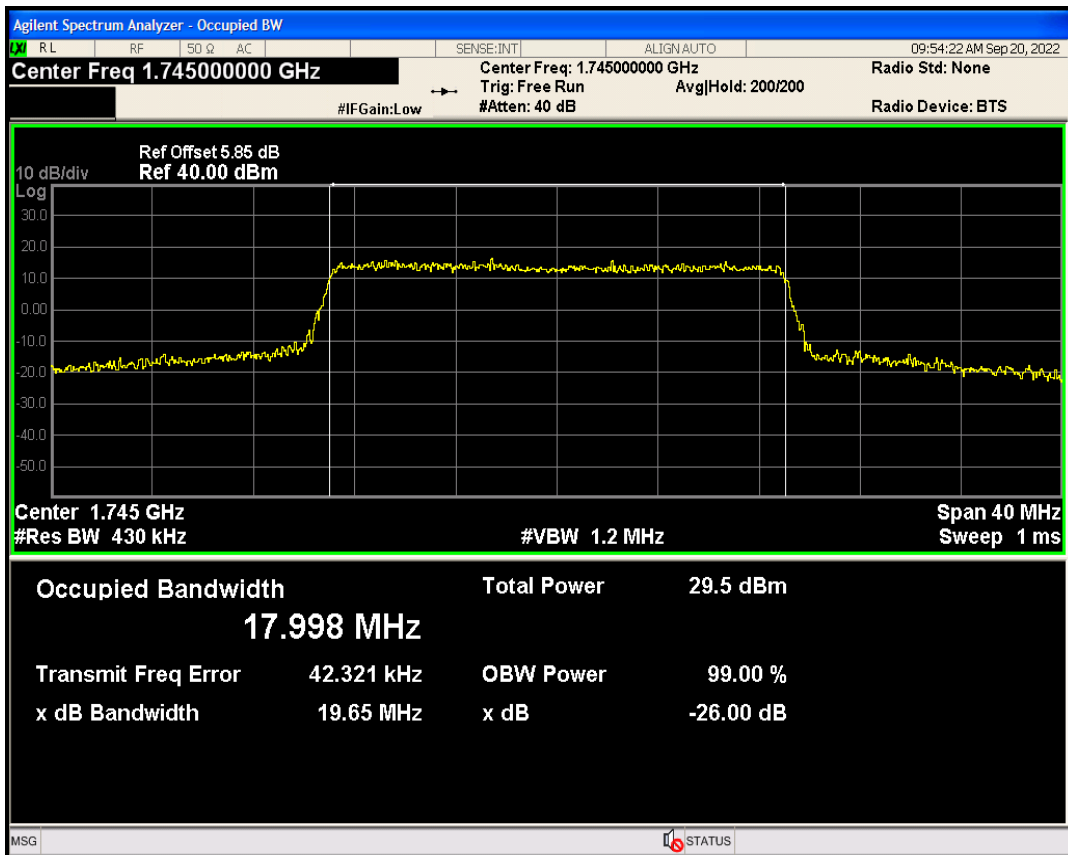


Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0

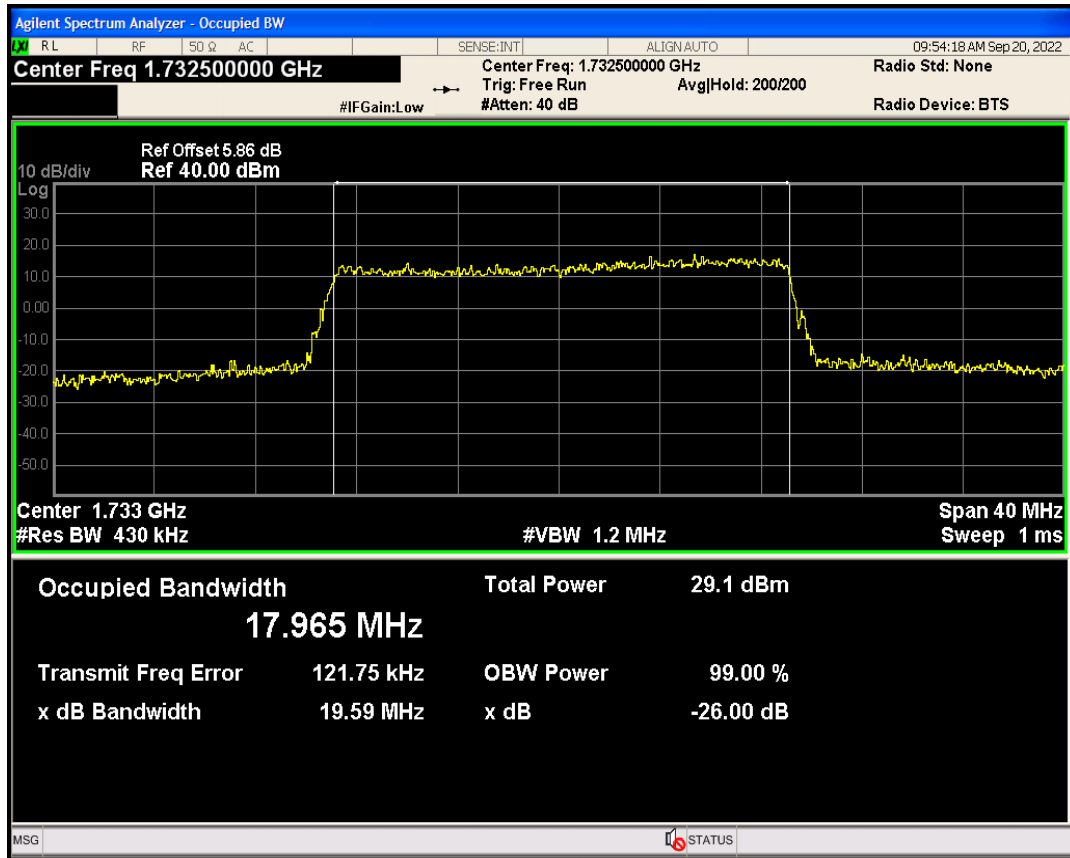




Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0



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

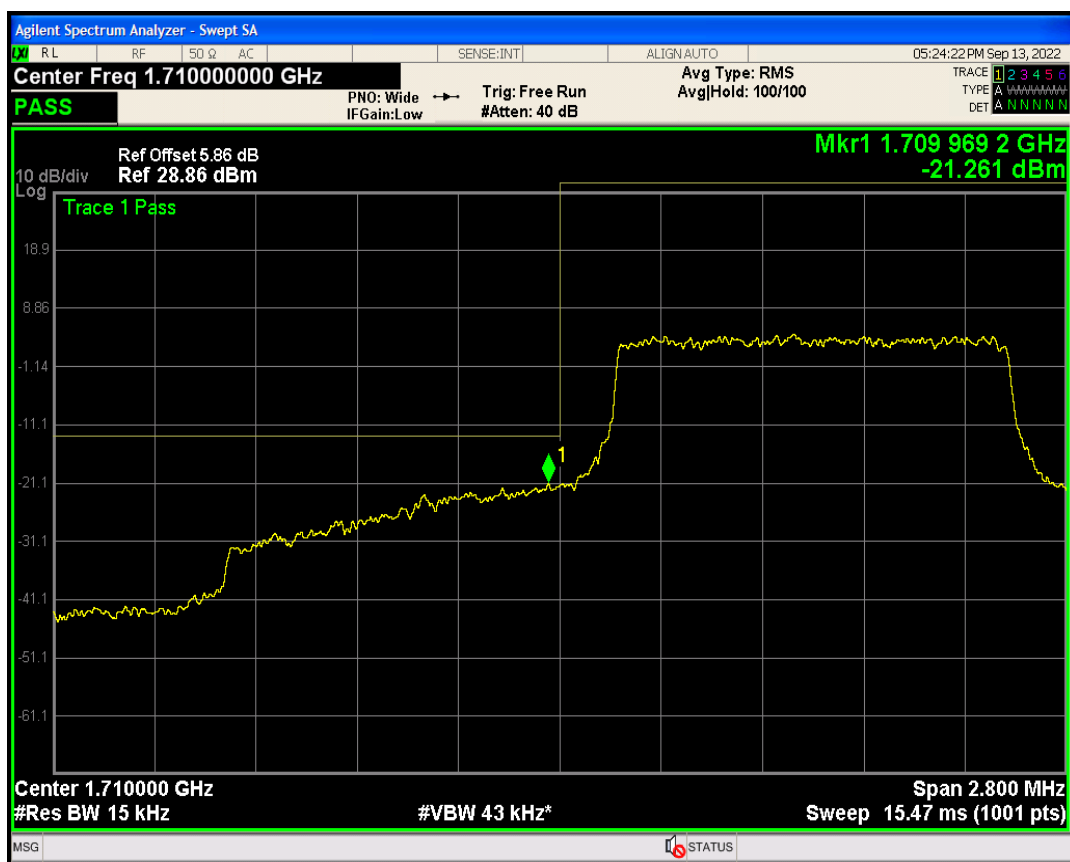


Appendix 5. Band edge

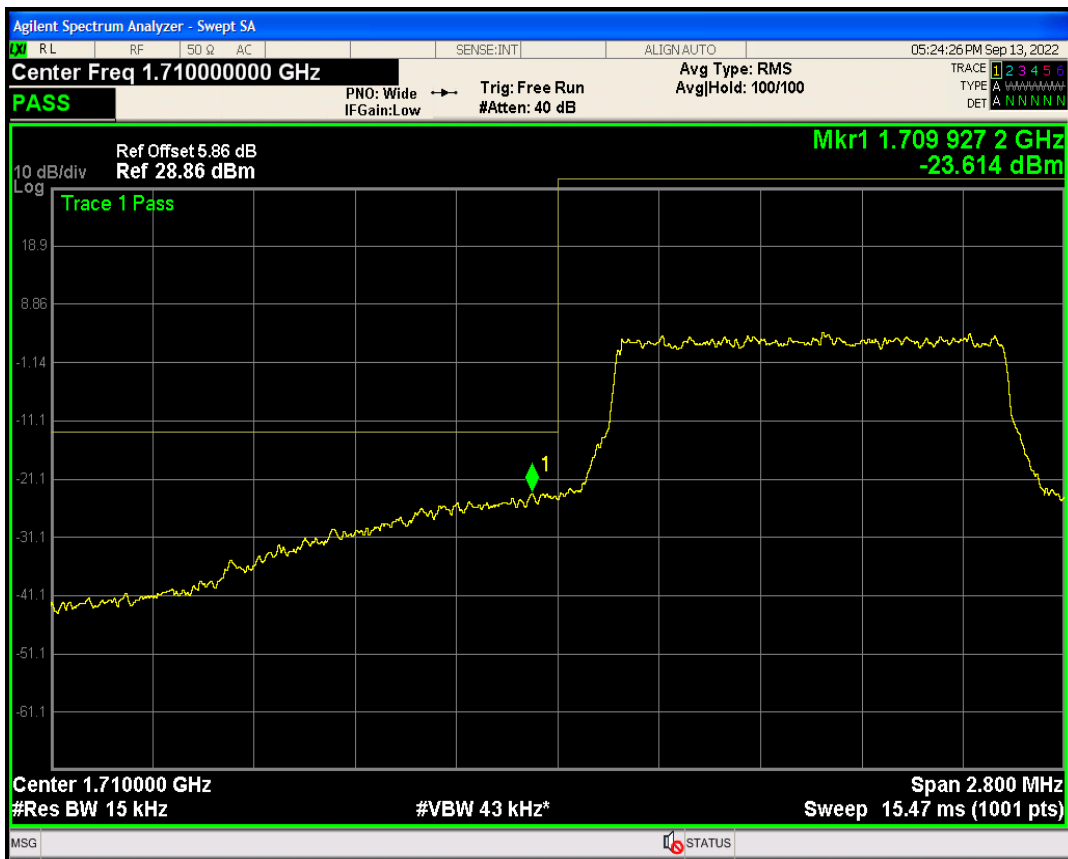
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1709.97	-21.26	-13	PASS
Band4	1.4	19957	6	#0	QAM16	1709.93	-23.61	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.04	-23.32	-13	PASS
Band4	1.4	20393	6	#0	QAM16	1755.03	-23.99	-13	PASS
Band4	3	19965	15	#0	QPSK	1709.99	-22.25	-13	PASS
Band4	3	19965	15	#0	QAM16	1709.99	-23.95	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.01	-22.80	-13	PASS
Band4	3	20385	15	#0	QAM16	1755.00	-24.35	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.93	-27.21	-13	PASS
Band4	5	19975	25	#0	QAM16	1710.00	-27.15	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-24.66	-13	PASS
Band4	5	20375	25	#0	QAM16	1755.01	-26.60	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-30.23	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.10	-23.48	-13	PASS

Band4	15	20025	75	#0	QPSK	1709.22	-28.93	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.81	-22.97	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-32.92	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.08	-25.93	-13	PASS
Band4	10	20000	50	#0	QAM16	1710.00	-29.85	-13	PASS
Band4	10	20350	50	#0	QAM16	1755.16	-24.49	-13	PASS
Band4	15	20025	75	#0	QAM16	1709.94	-29.44	-13	PASS
Band4	15	20325	75	#0	QAM16	1755.00	-22.81	-13	PASS
Band4	20	20050	100	#0	QAM16	1709.92	-32.84	-13	PASS
Band4	20	20300	100	#0	QAM16	1755.08	-26.44	-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

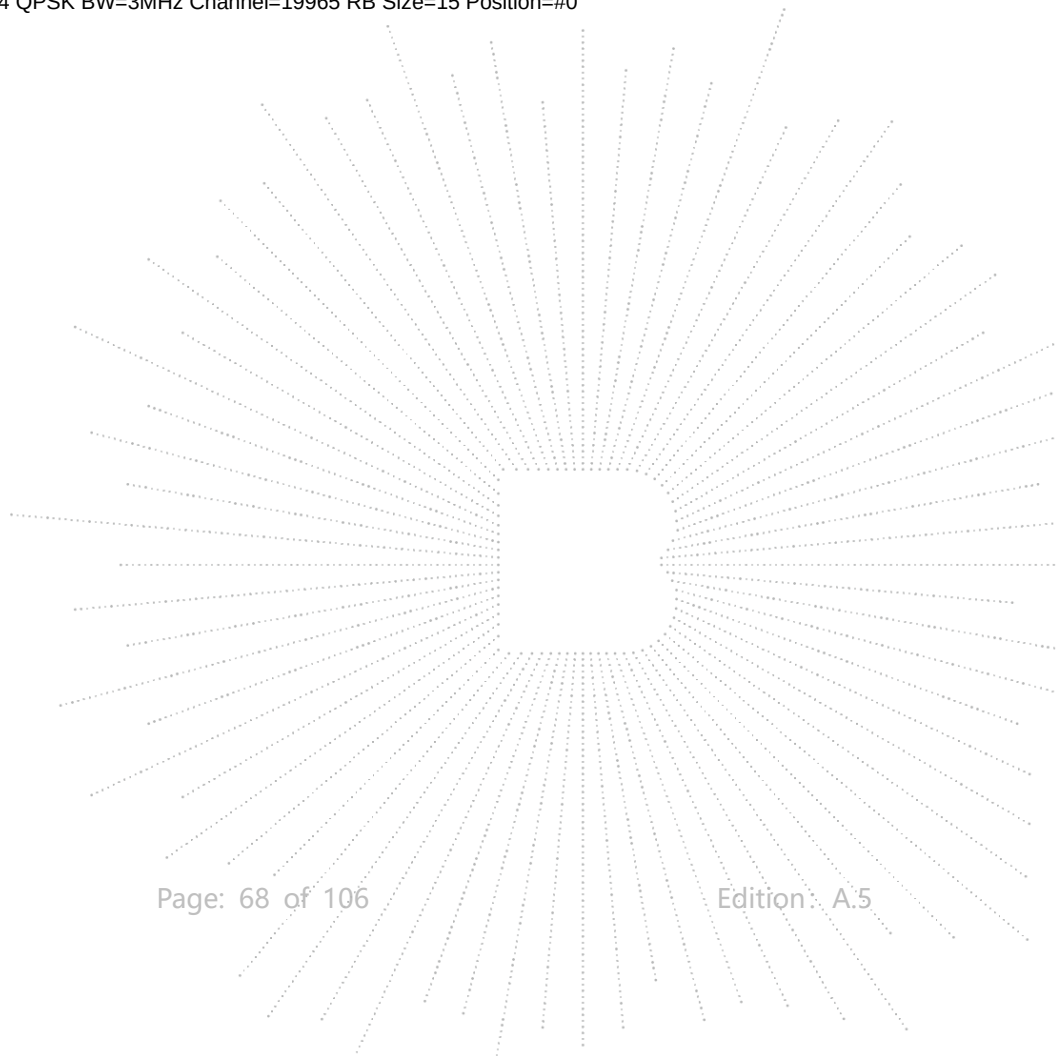




Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



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

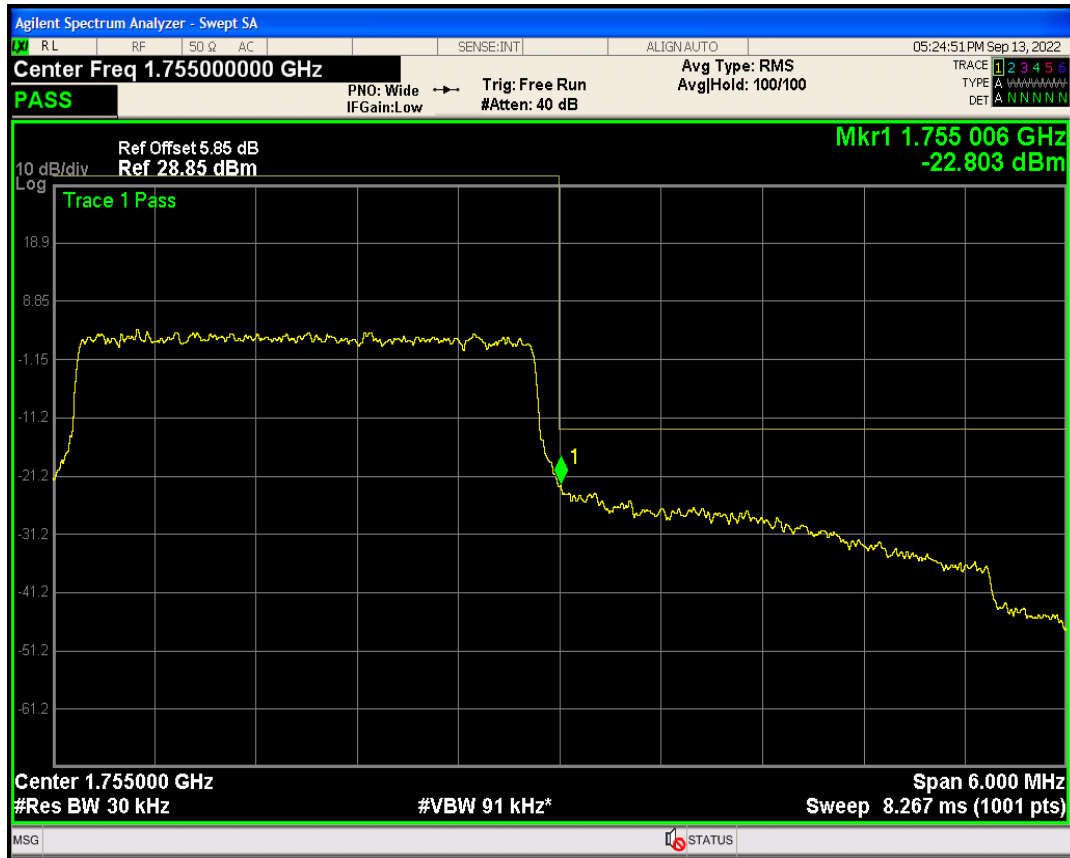




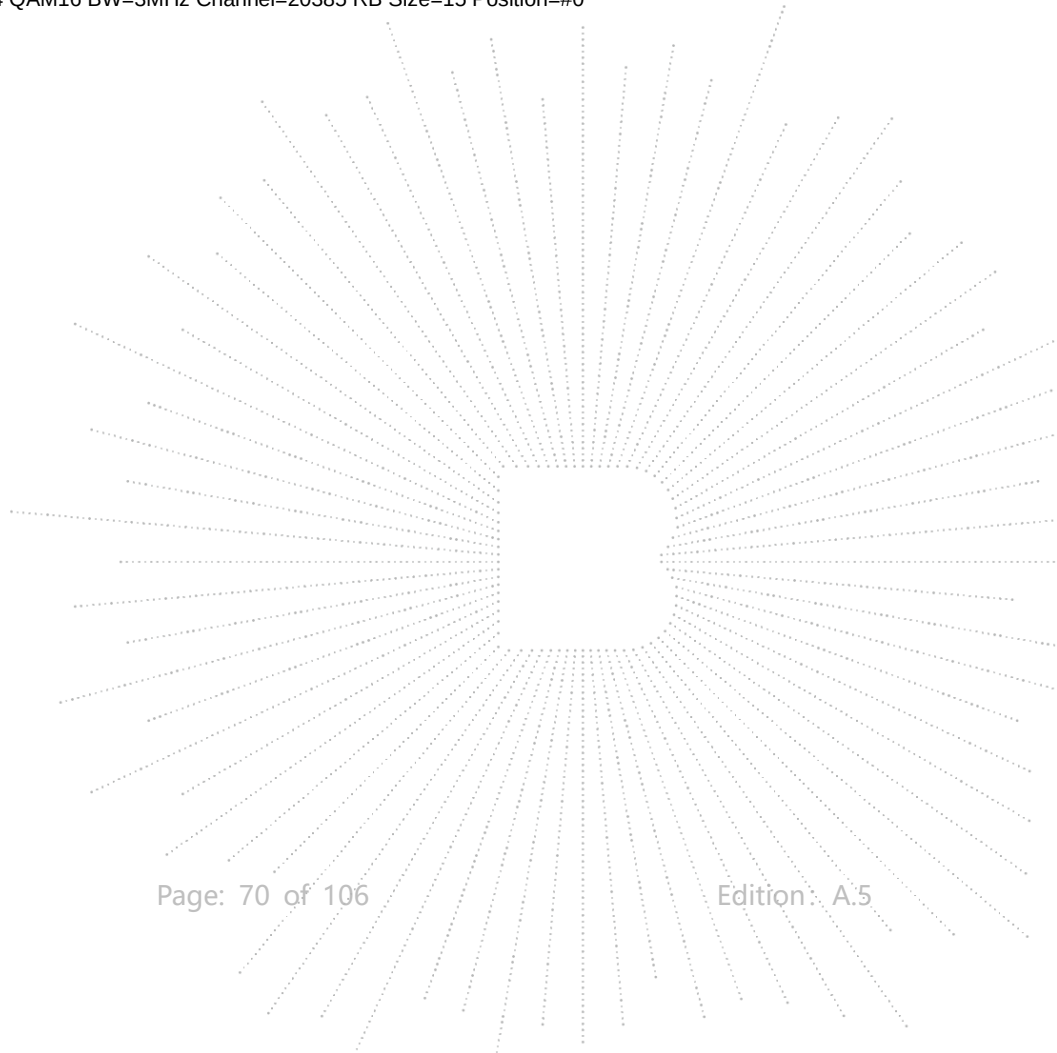
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



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

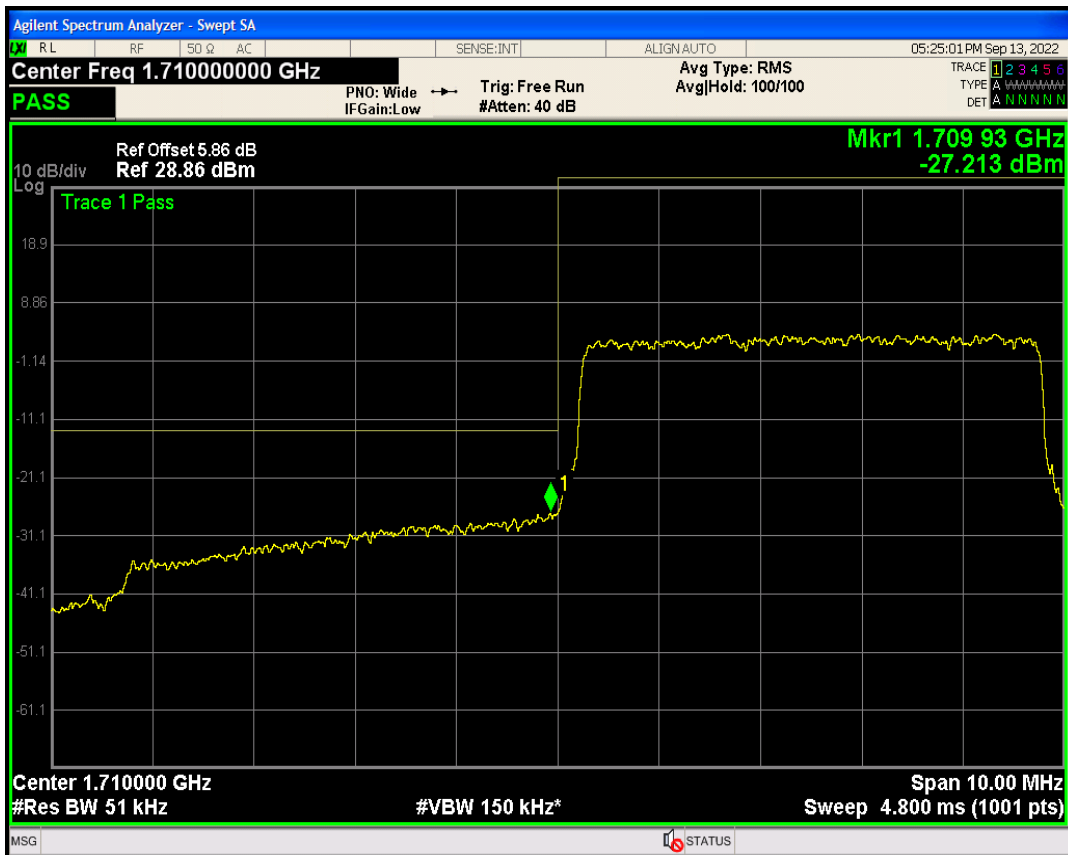


Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0

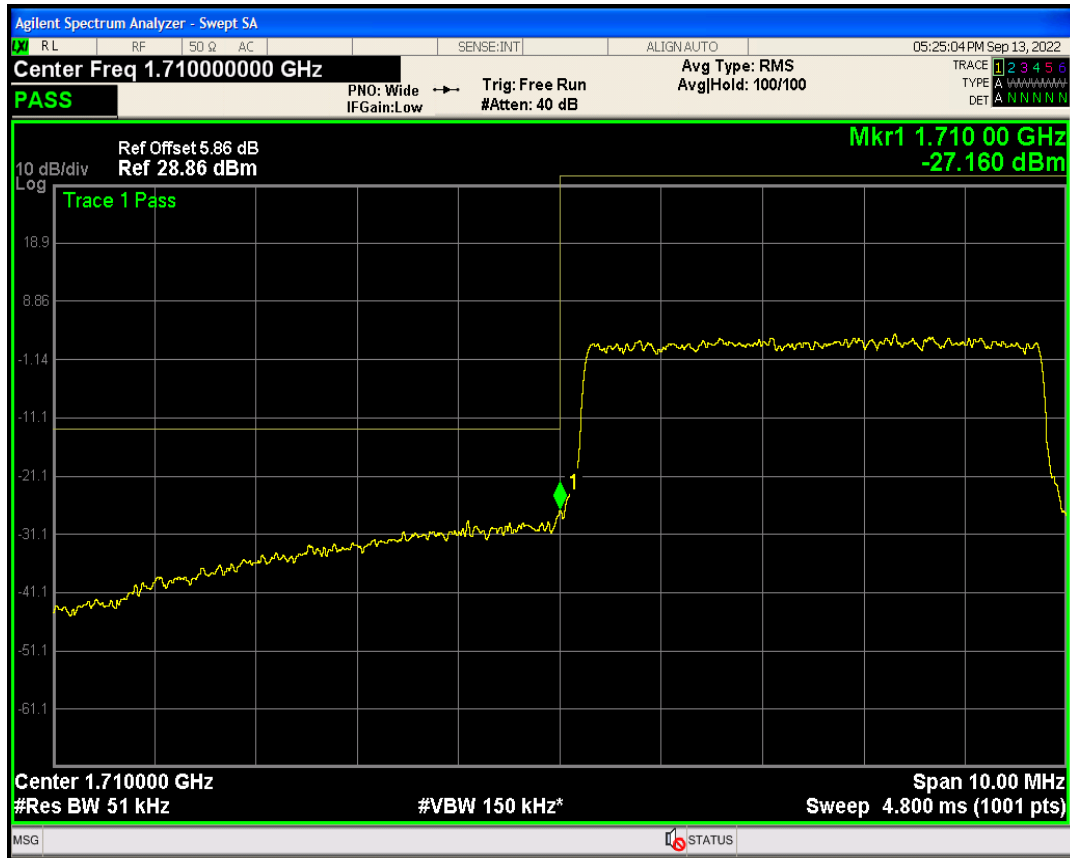




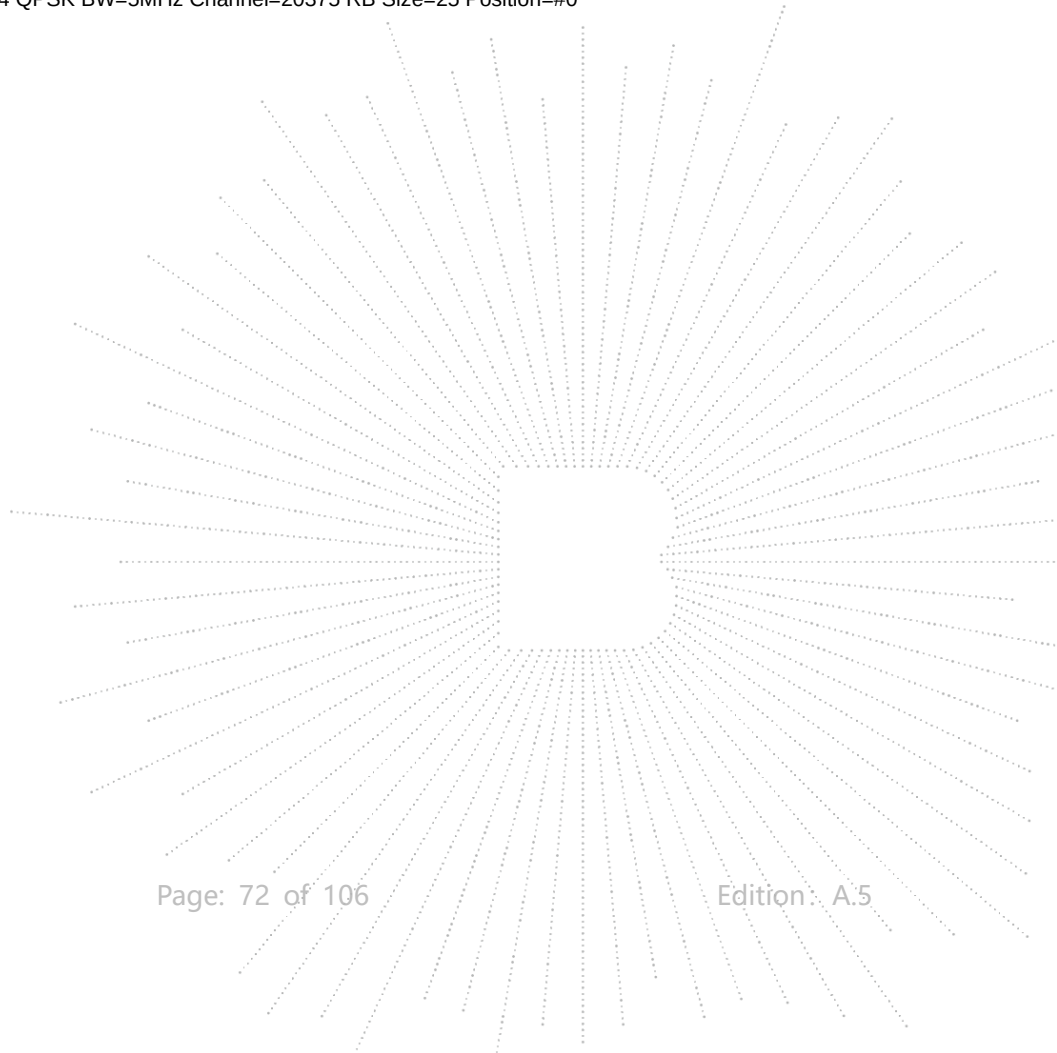
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



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



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

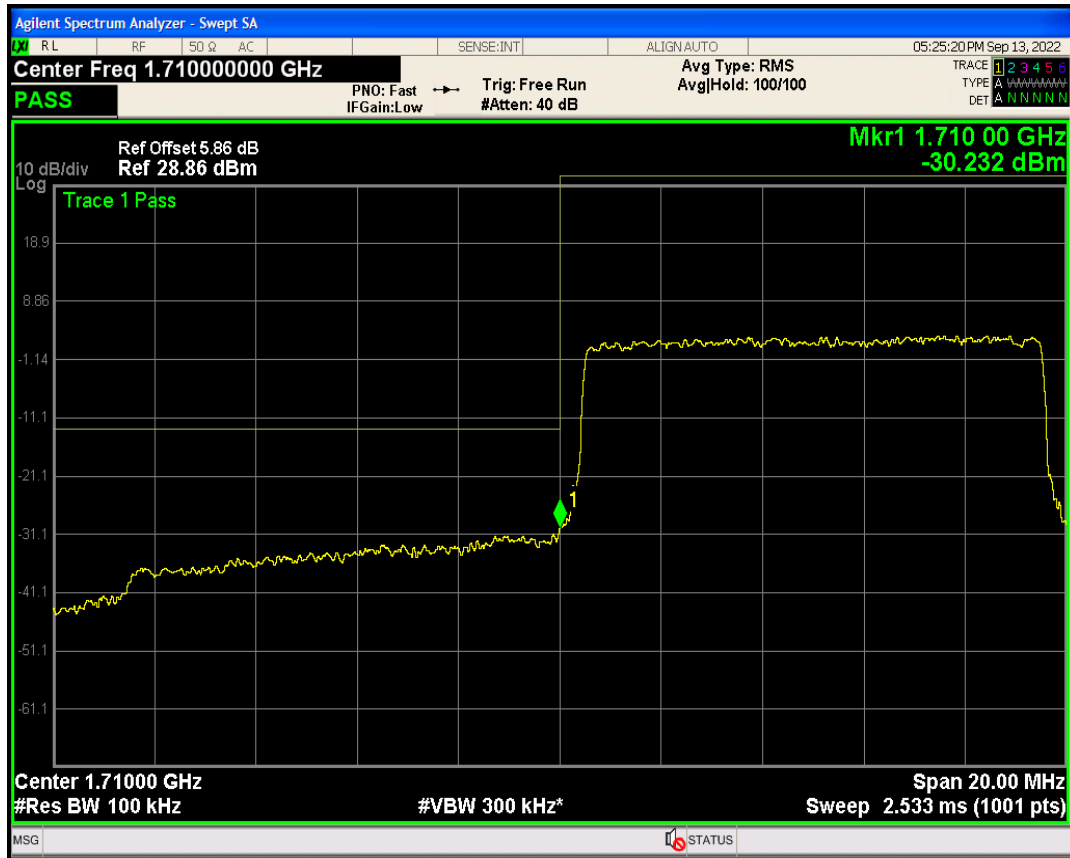




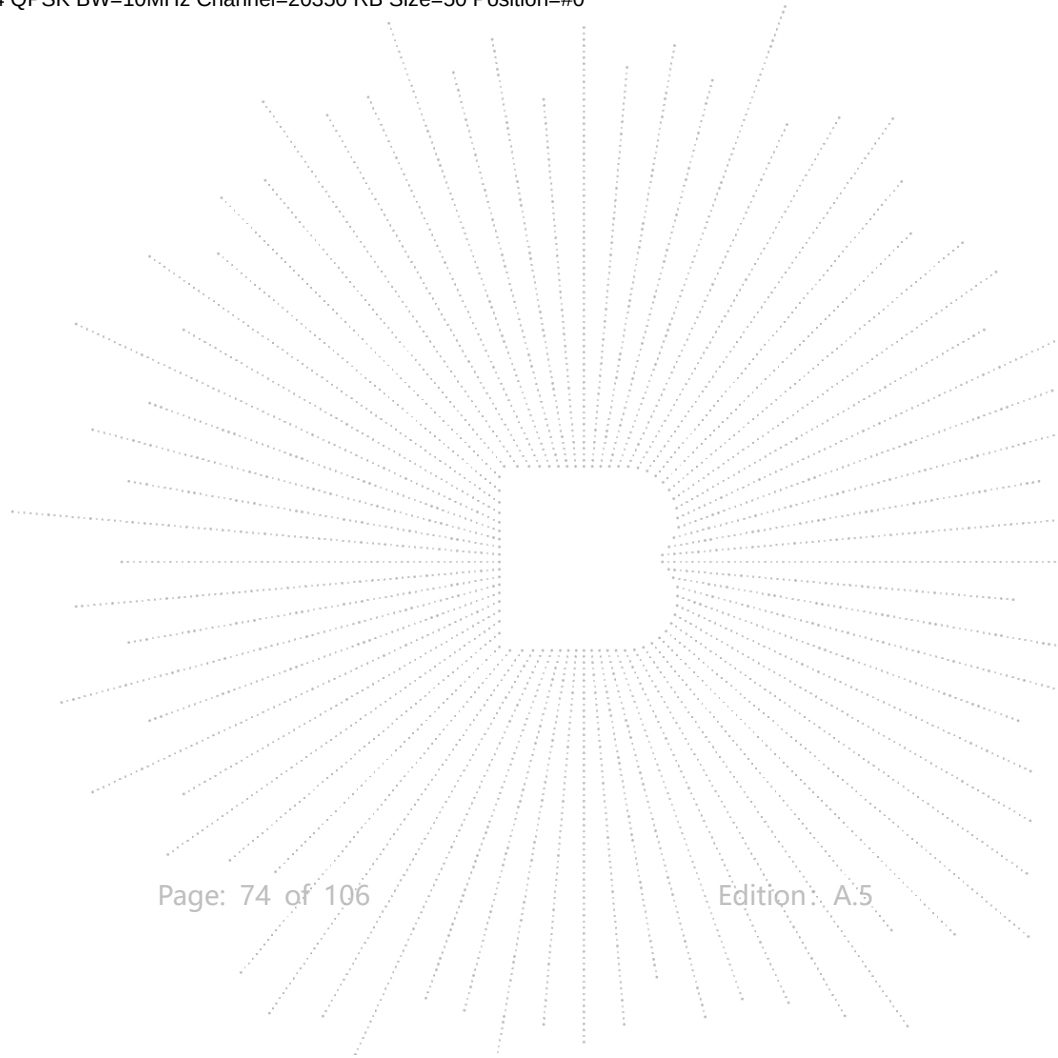
Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



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



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





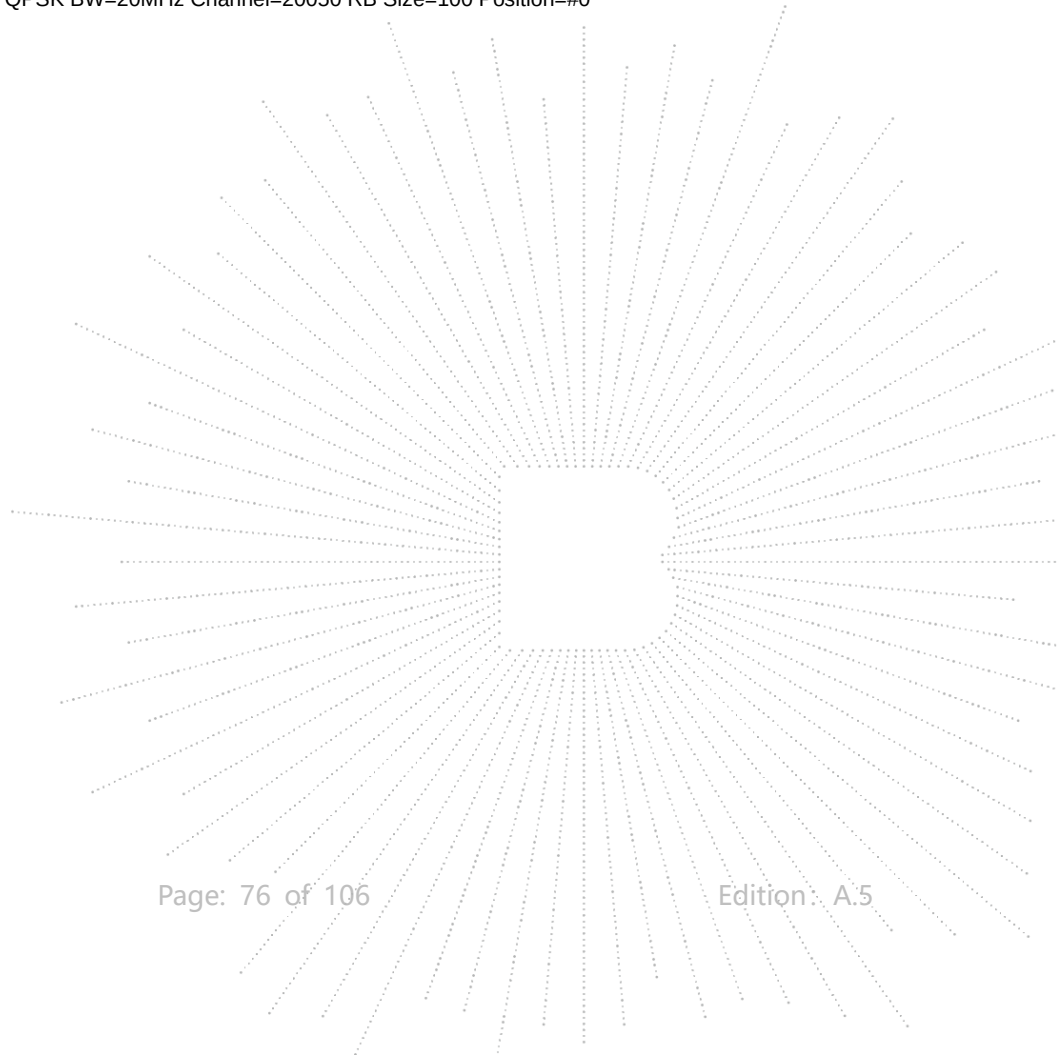
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



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

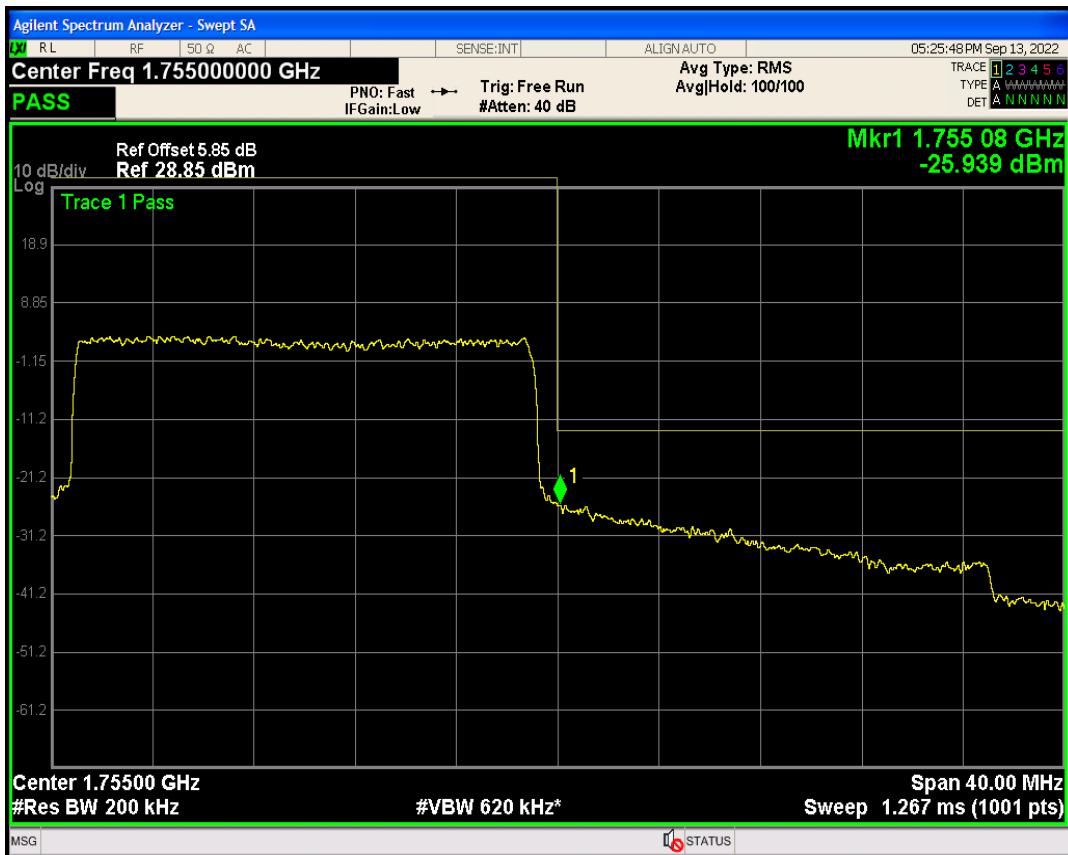


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

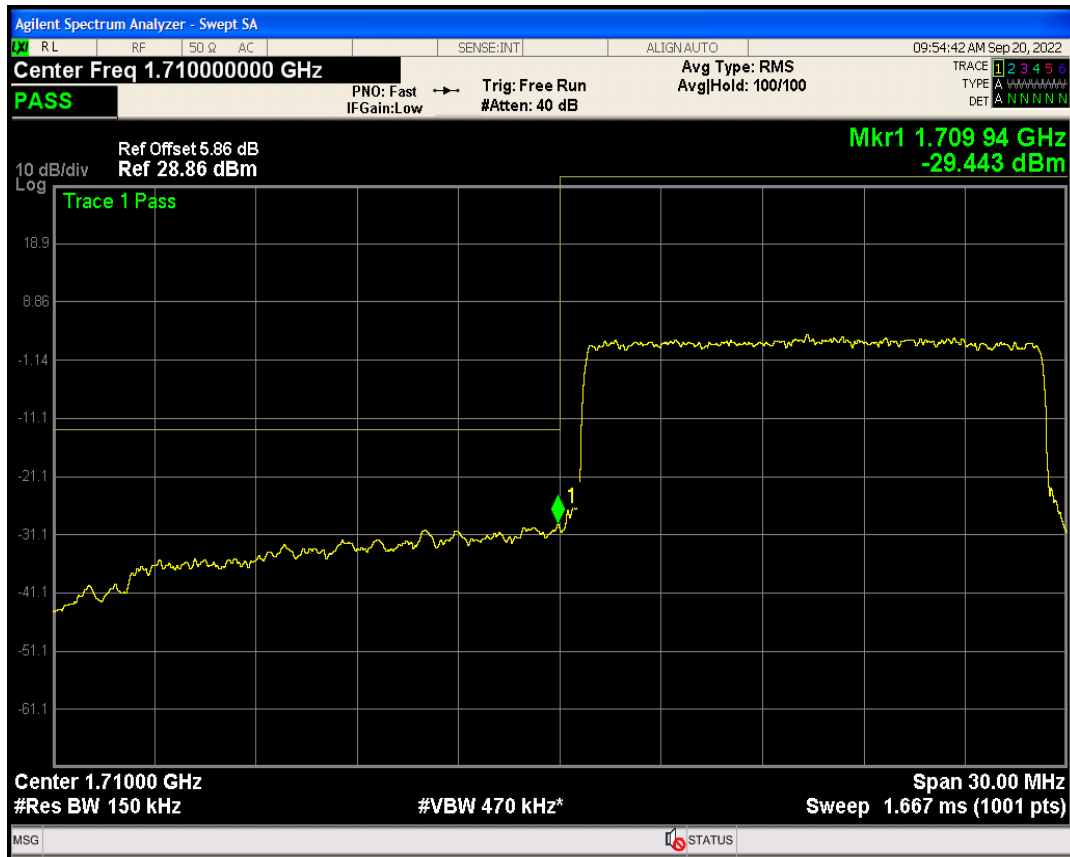




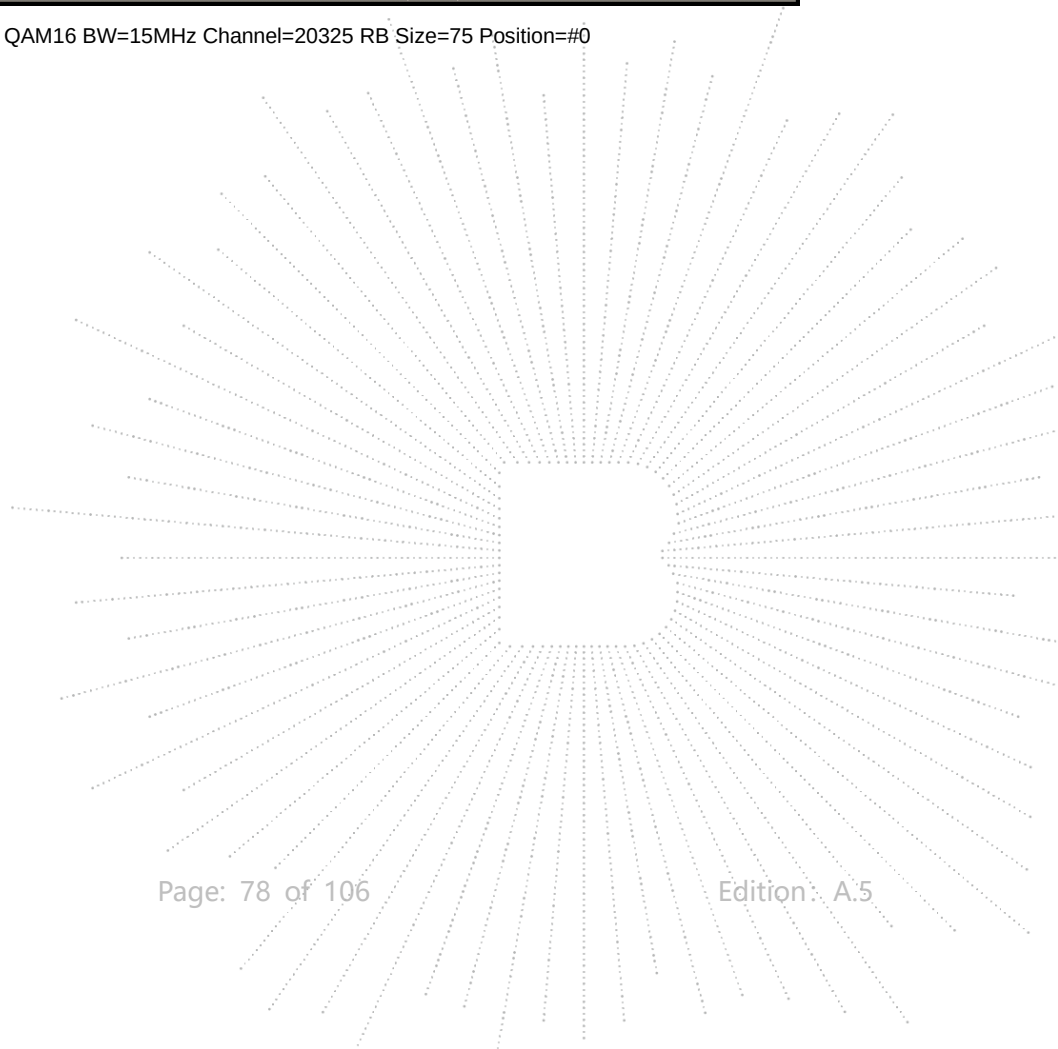
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

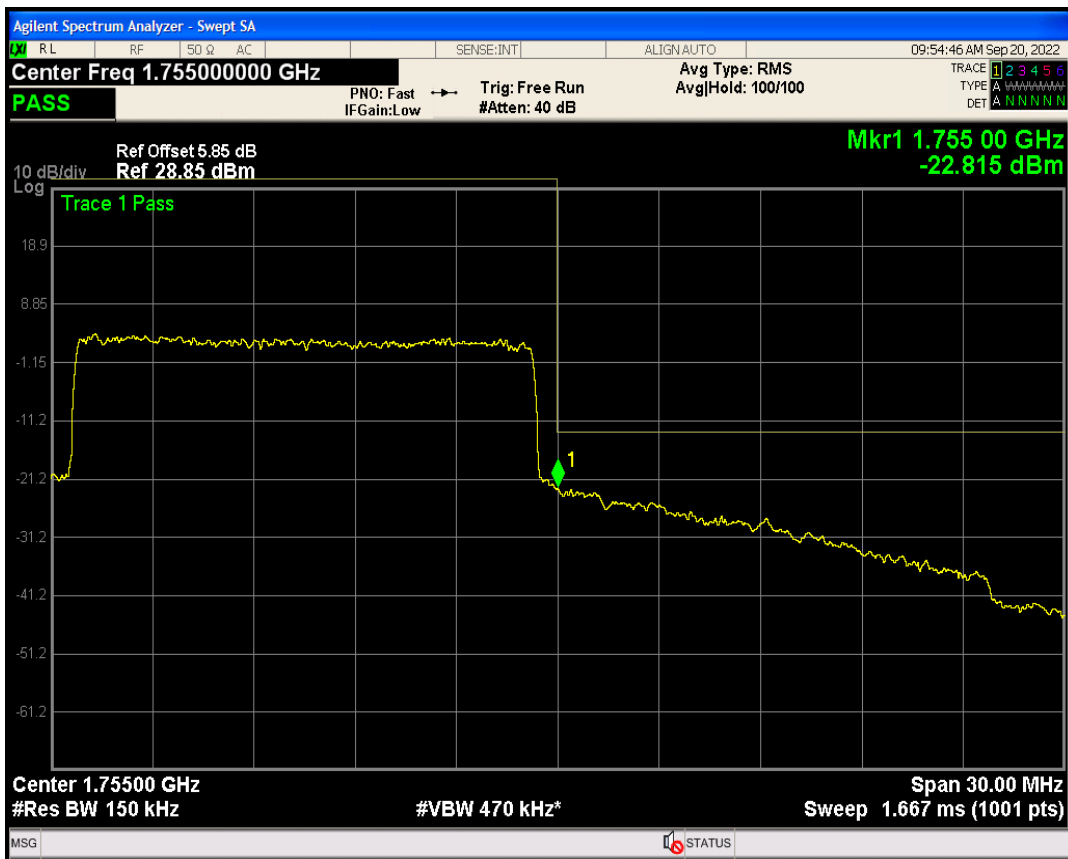


Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0

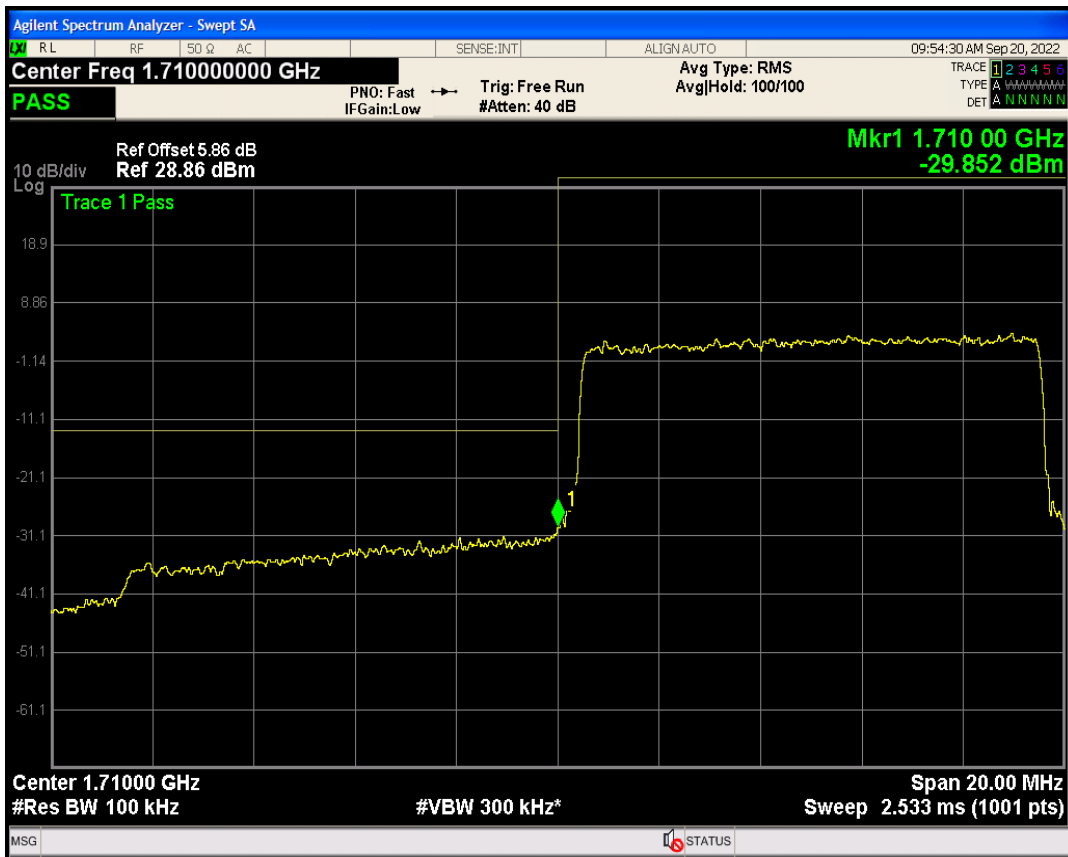


Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0





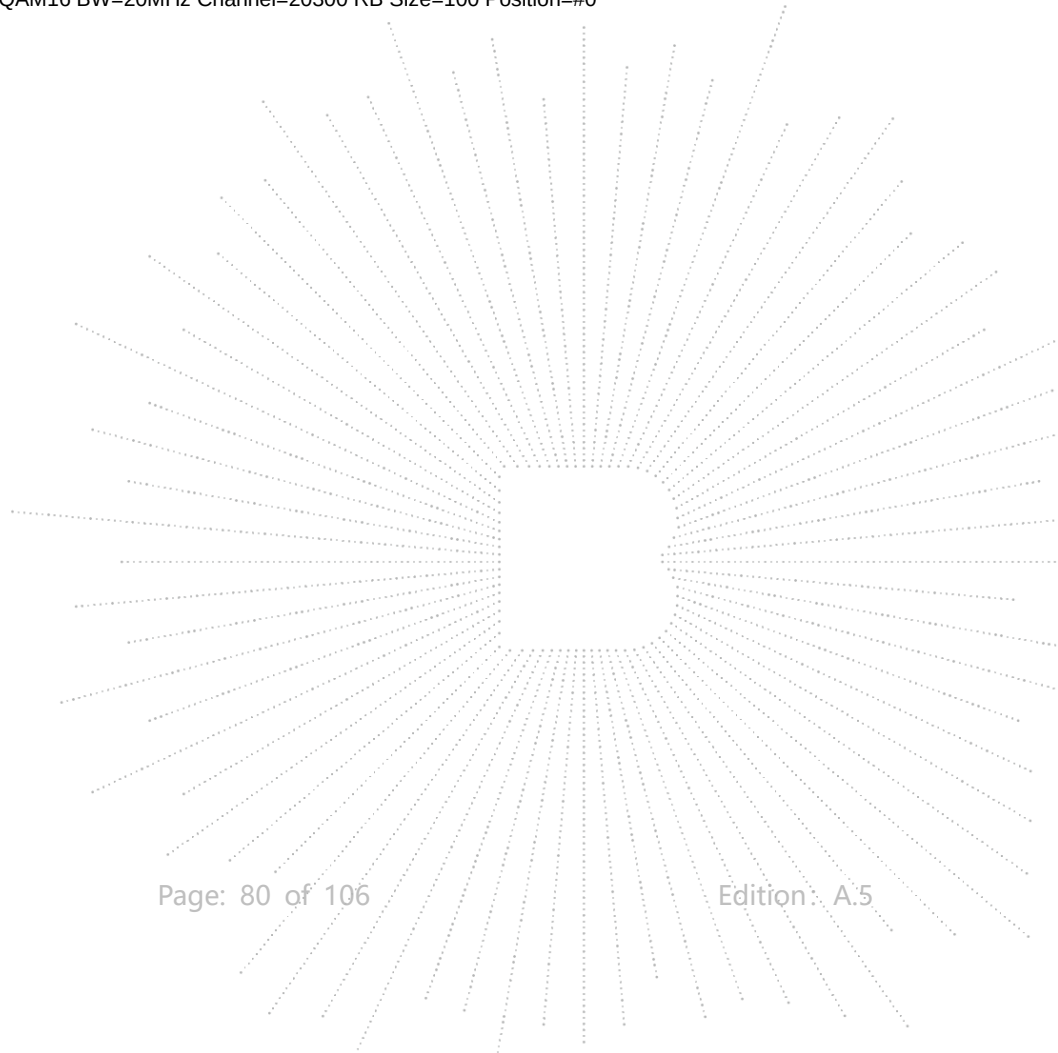
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



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

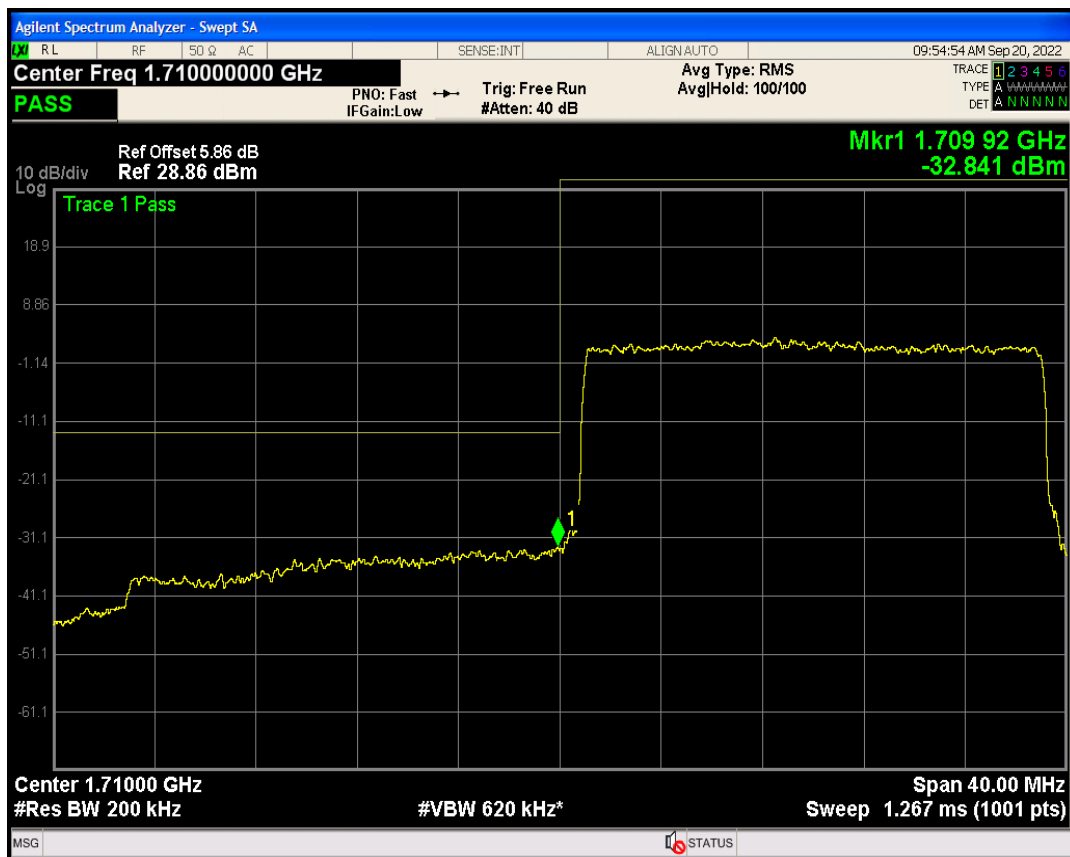


Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0





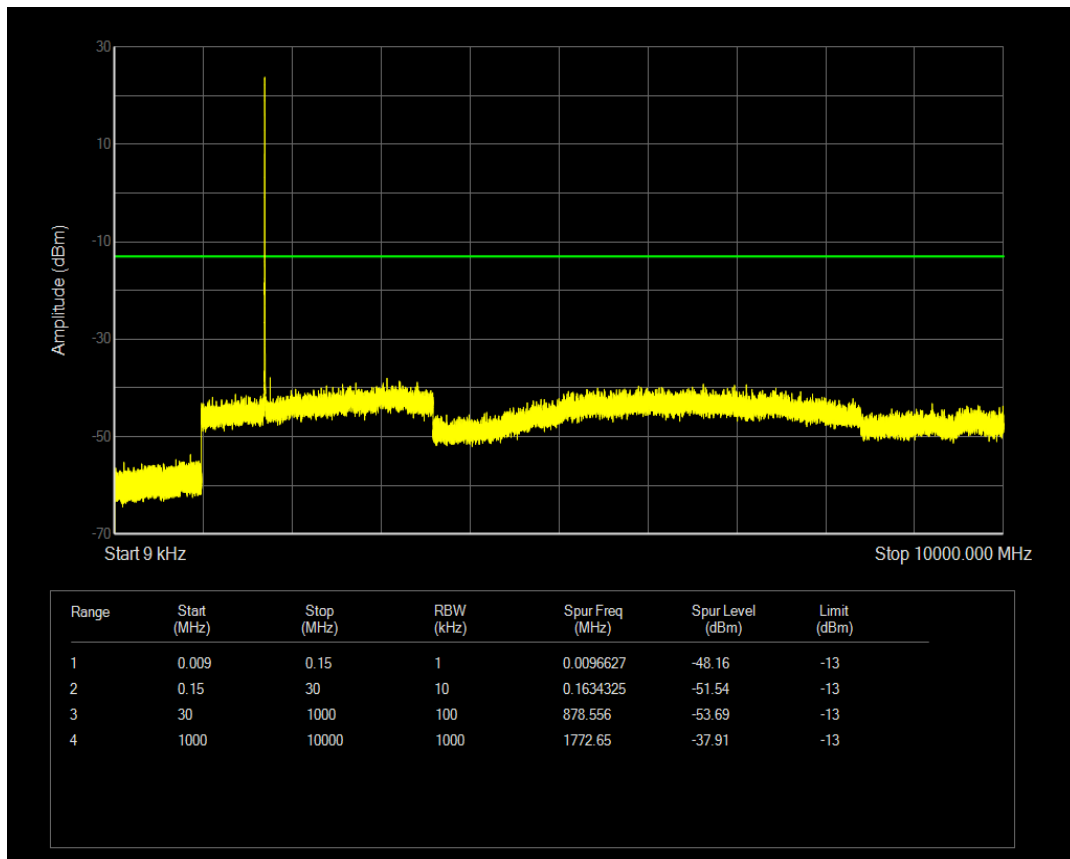
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



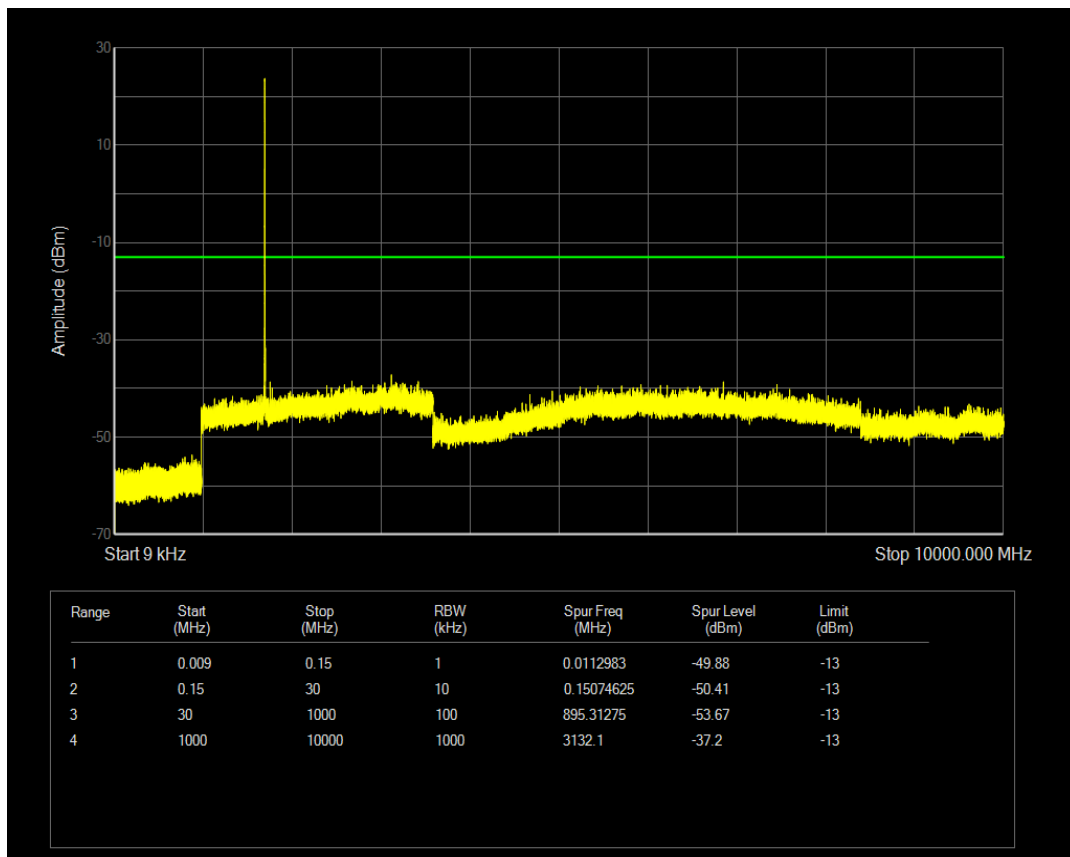
Appendix 6. Out-of-band emissions

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	1772.65	-37.91	-13	PASS
Band4	1.4	19957	6	#0	QAM16	3132.10	-37.20	-13	PASS
Band4	1.4	20175	6	#0	QPSK	3163.15	-38.05	-13	PASS
Band4	1.4	20175	6	#0	QAM16	3255.85	-38.21	-13	PASS
Band4	1.4	20393	6	#0	QPSK	3243.03	-38.40	-13	PASS
Band4	1.4	20393	6	#0	QAM16	3508.98	-38.08	-13	PASS
Band4	3	19965	15	#0	QPSK	3048.40	-37.69	-13	PASS
Band4	3	19965	15	#0	QAM16	3062.80	-37.98	-13	PASS
Band4	3	20175	15	#0	QPSK	2458.00	-37.78	-13	PASS
Band4	3	20175	15	#0	QAM16	3188.80	-38.59	-13	PASS
Band4	3	20385	15	#0	QPSK	3183.85	-38.49	-13	PASS
Band4	3	20385	15	#0	QAM16	2353.15	-38.54	-13	PASS
Band4	5	19975	25	#0	QPSK	2459.13	-37.19	-13	PASS
Band4	5	19975	25	#0	QAM16	3158.65	-38.08	-13	PASS
Band4	5	20175	25	#0	QPSK	3032.88	-36.60	-13	PASS
Band4	5	20175	25	#0	QAM16	3037.15	-37.93	-13	PASS
Band4	5	20375	25	#0	QPSK	2459.13	-37.95	-13	PASS
Band4	5	20375	25	#0	QAM16	3164.73	-38.59	-13	PASS
Band4	10	20000	50	#0	QPSK	3142.90	-38.40	-13	PASS
Band4	10	20175	50	#0	QPSK	7475.50	-38.17	-13	PASS
Band4	10	20350	50	#0	QPSK	3042.78	-38.36	-13	PASS
Band4	15	20025	75	#0	QPSK	3169.90	-37.42	-13	PASS
Band4	15	20175	75	#0	QPSK	3282.40	-37.96	-13	PASS
Band4	15	20325	75	#0	QPSK	3297.03	-38.12	-13	PASS
Band4	20	20050	100	#0	QPSK	5814.55	-38.00	-13	PASS
Band4	20	20175	100	#0	QPSK	2664.33	-37.23	-13	PASS
Band4	20	20300	100	#0	QPSK	3032.65	-37.68	-13	PASS
Band4	10	20000	50	#0	QAM16	3338.20	-38.09	-13	PASS
Band4	10	20175	50	#0	QAM16	3165.40	-37.61	-13	PASS
Band4	10	20350	50	#0	QAM16	3298.15	-37.79	-13	PASS
Band4	15	20025	75	#0	QAM16	2643.85	-37.40	-13	PASS
Band4	15	20175	75	#0	QAM16	3263.95	-37.98	-13	PASS
Band4	15	20325	75	#0	QAM16	2545.08	-38.50	-13	PASS
Band4	20	20050	100	#0	QAM16	2870.43	-38.56	-13	PASS
Band4	20	20175	100	#0	QAM16	3276.33	-38.03	-13	PASS
Band4	20	20300	100	#0	QAM16	3038.50	-38.51	-13	PASS

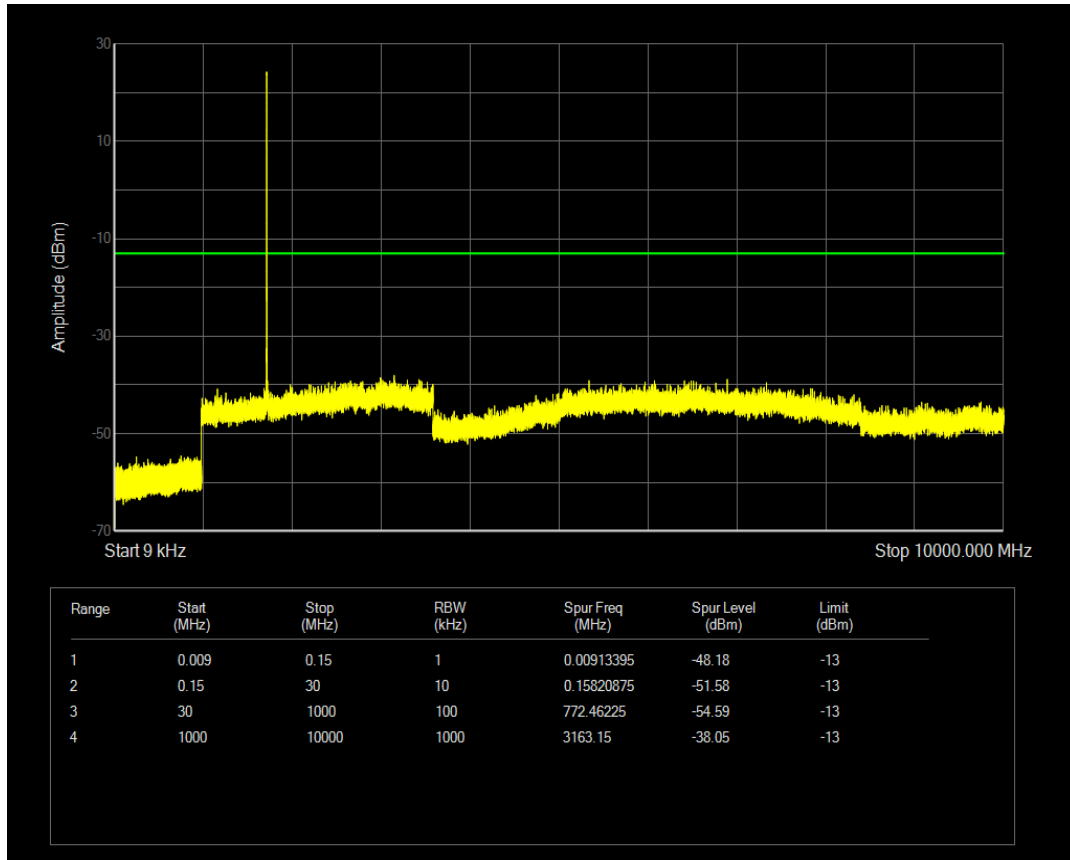
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



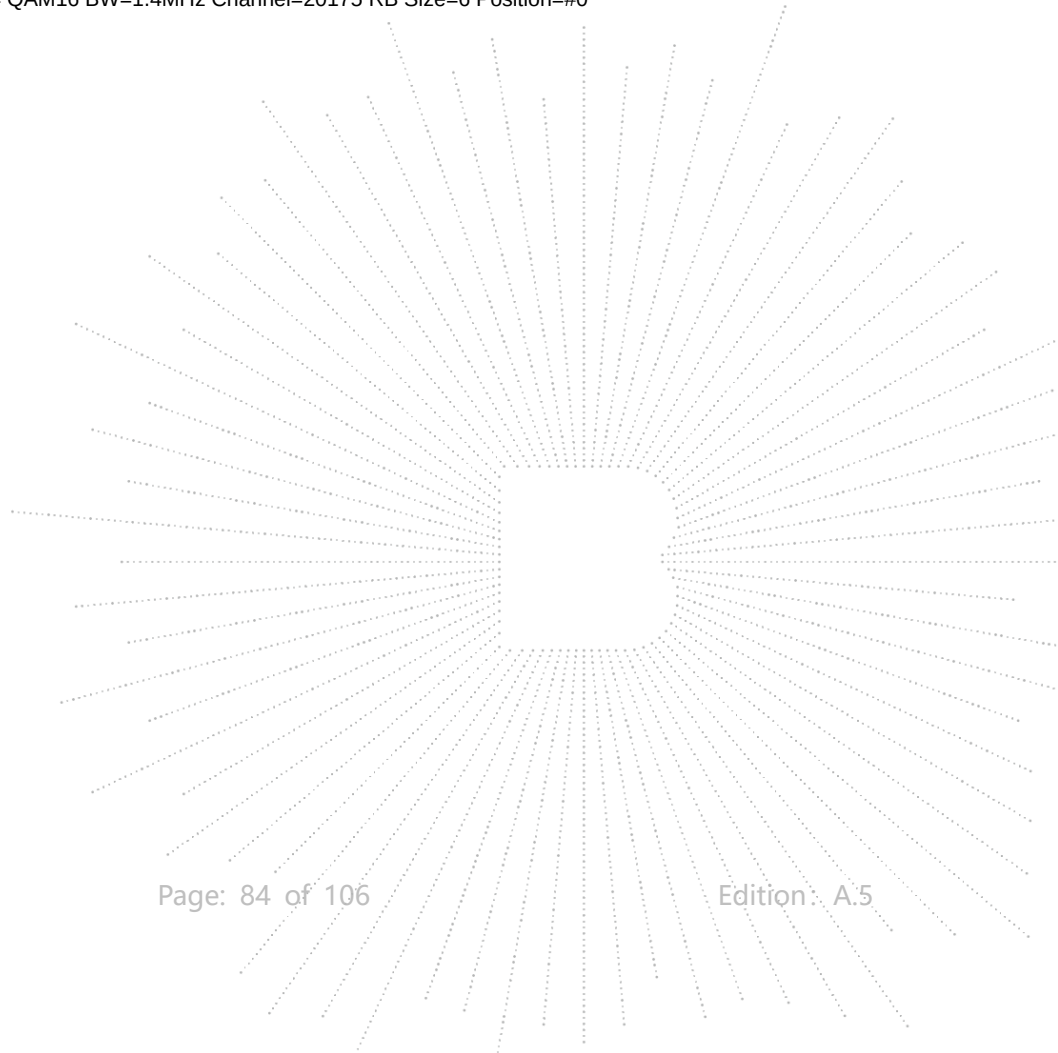
Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0

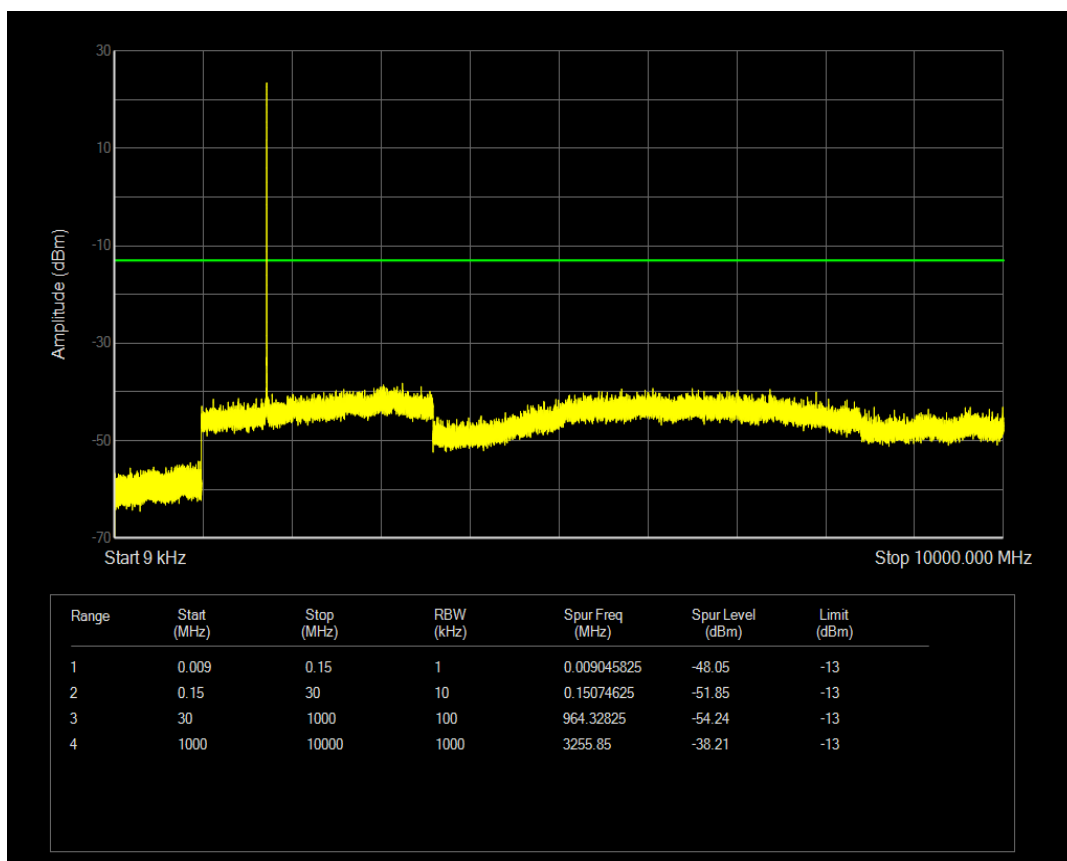


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

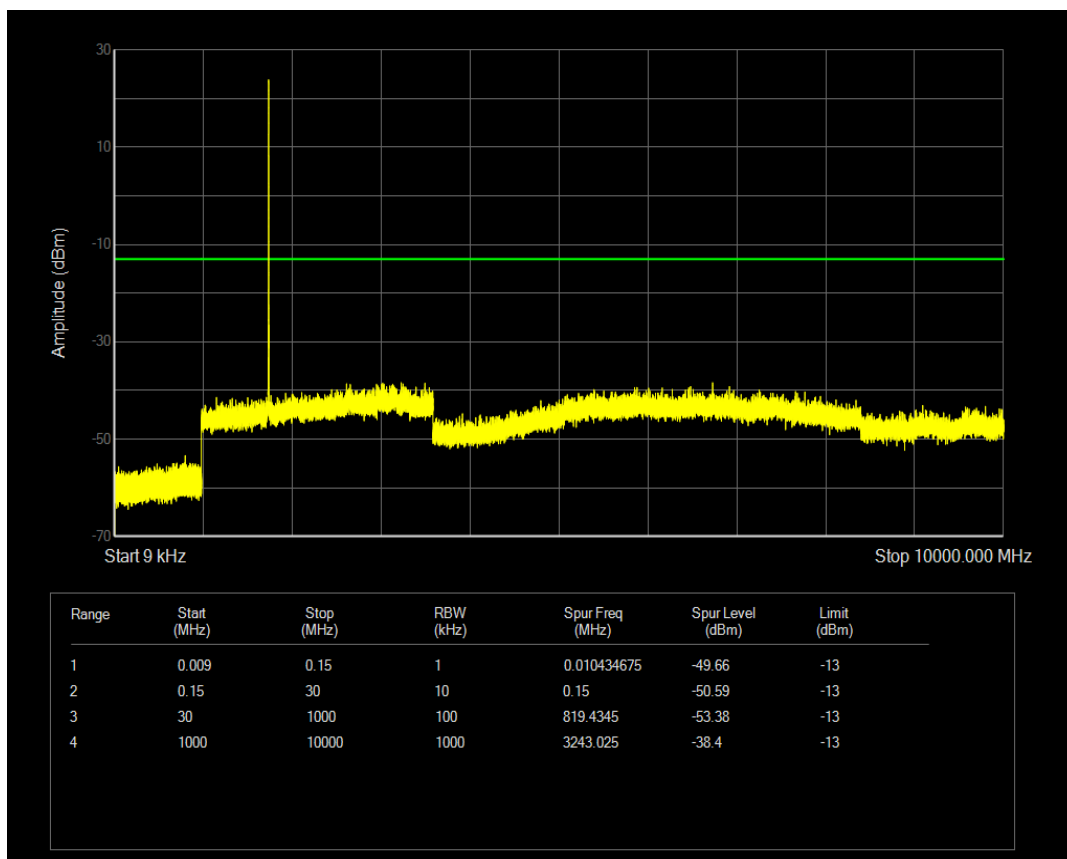


Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0

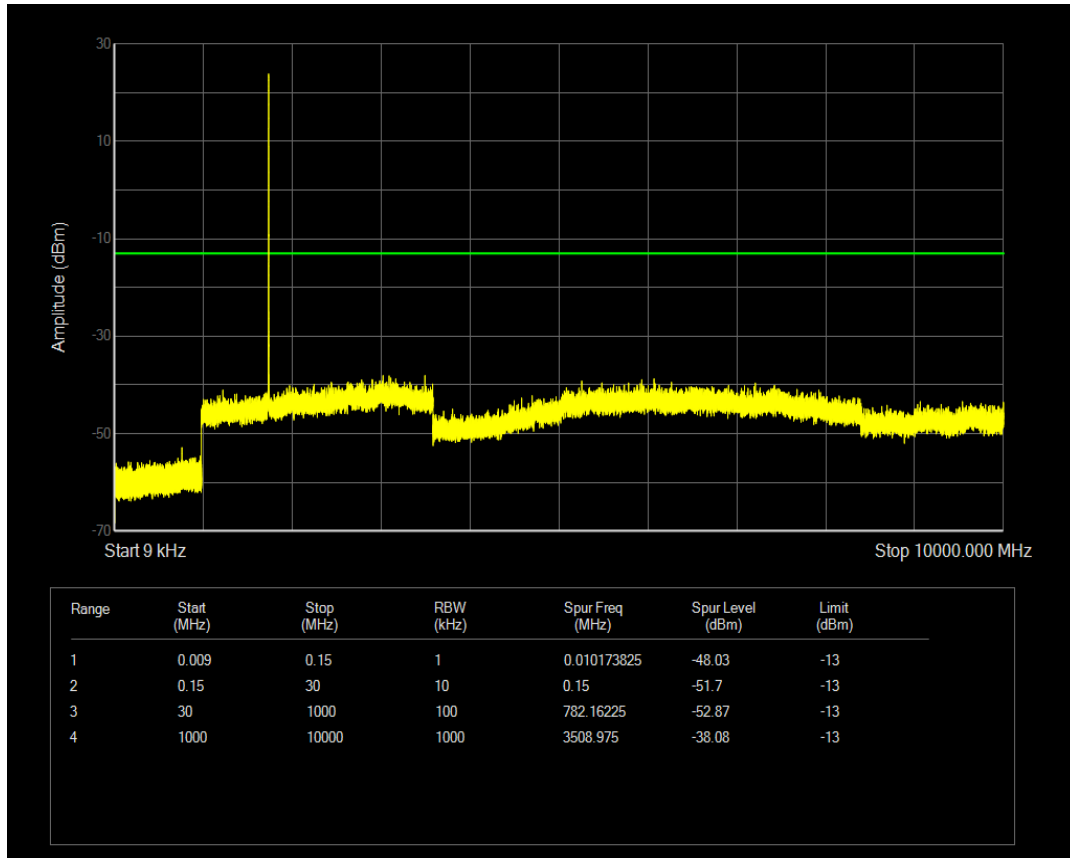




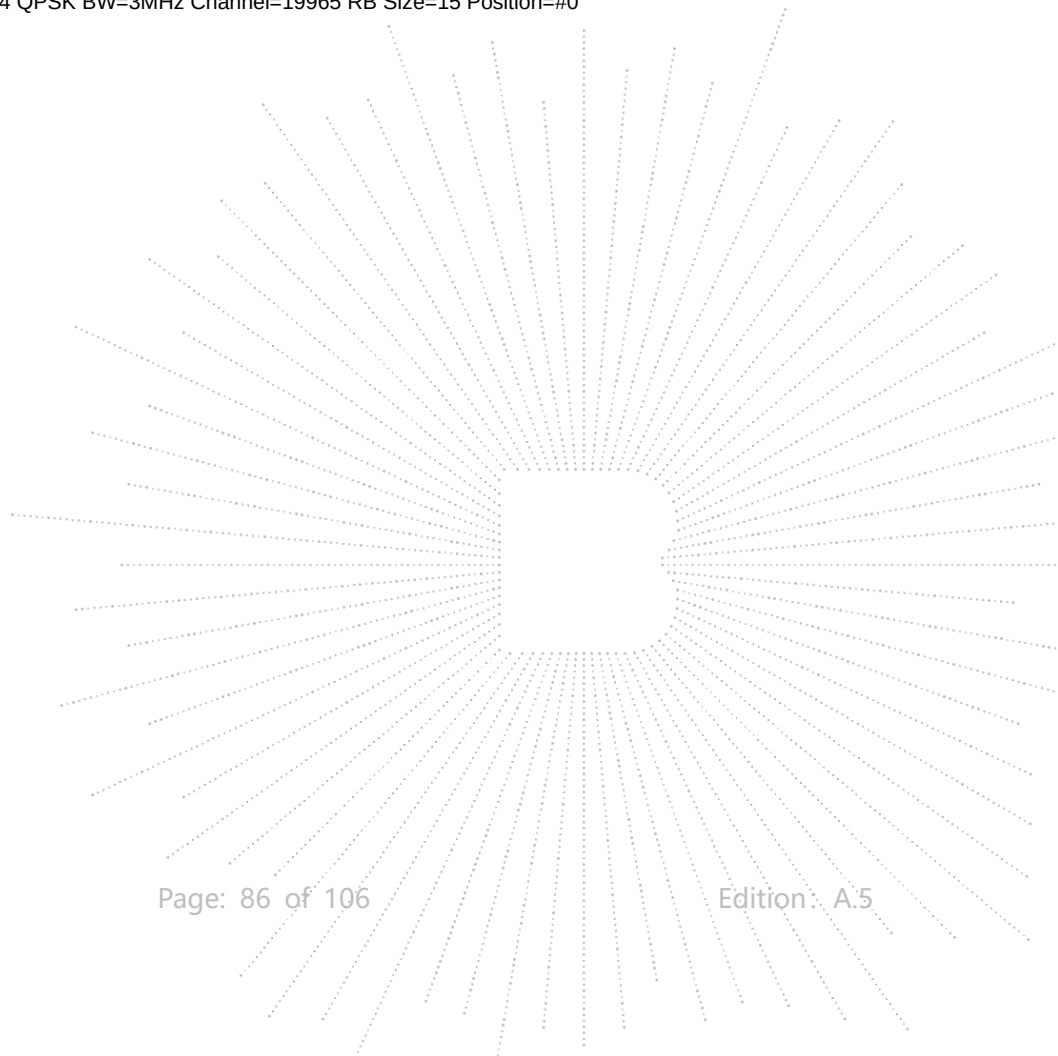
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

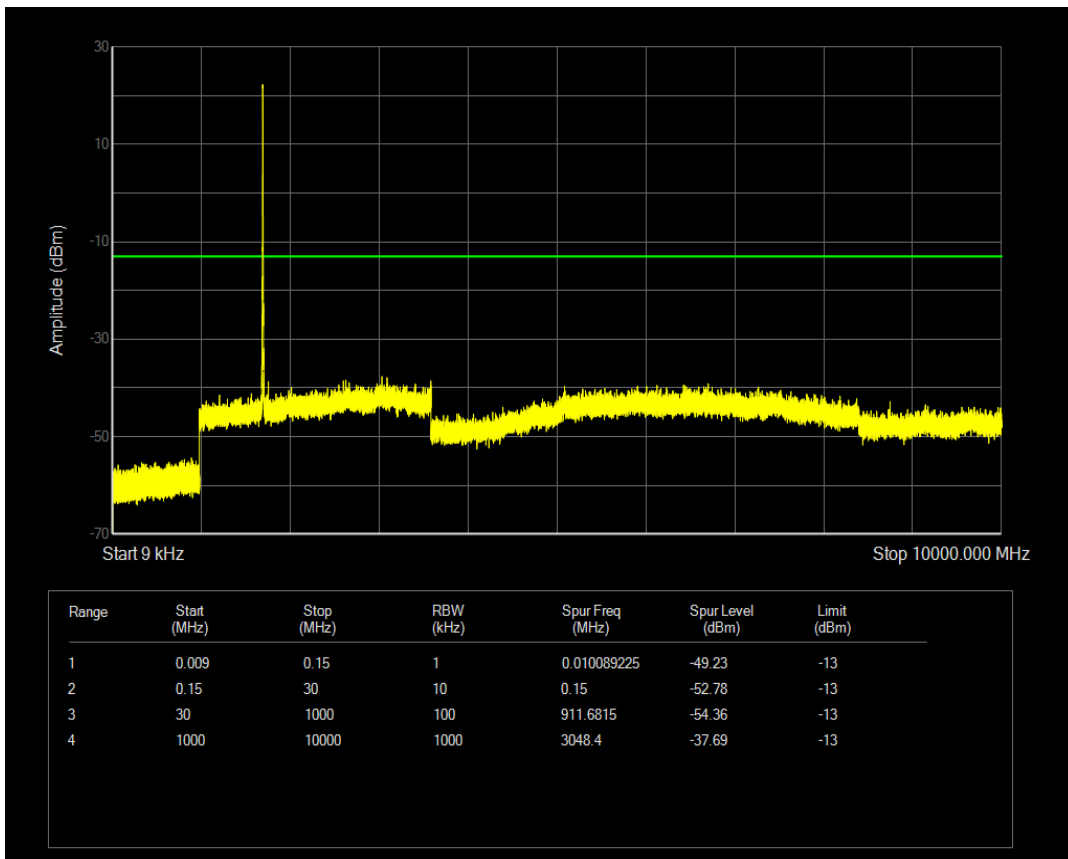


Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0

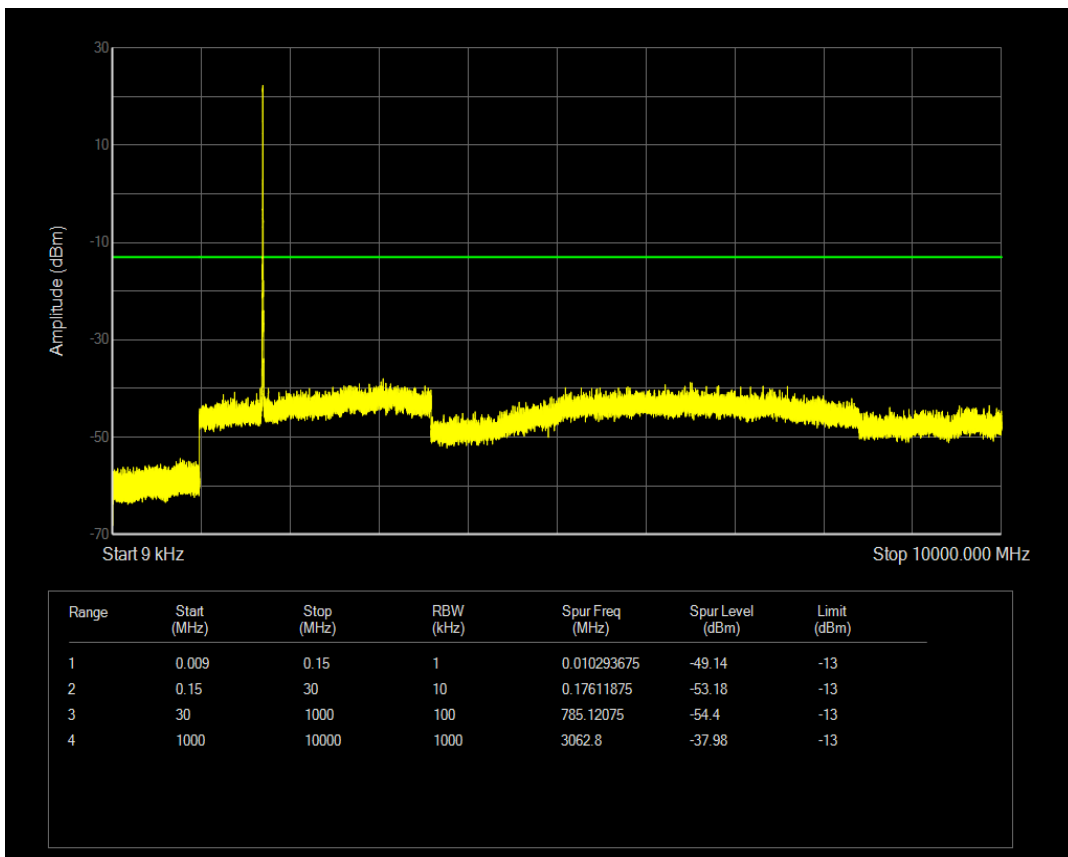


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

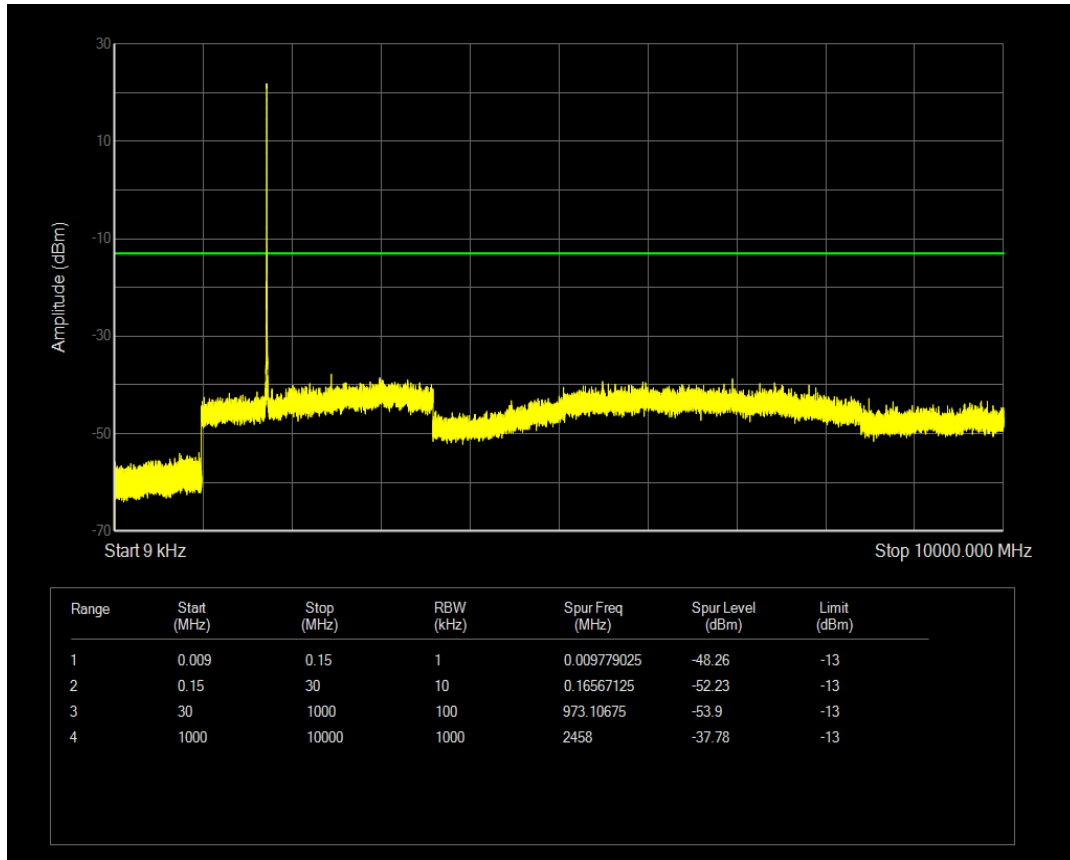




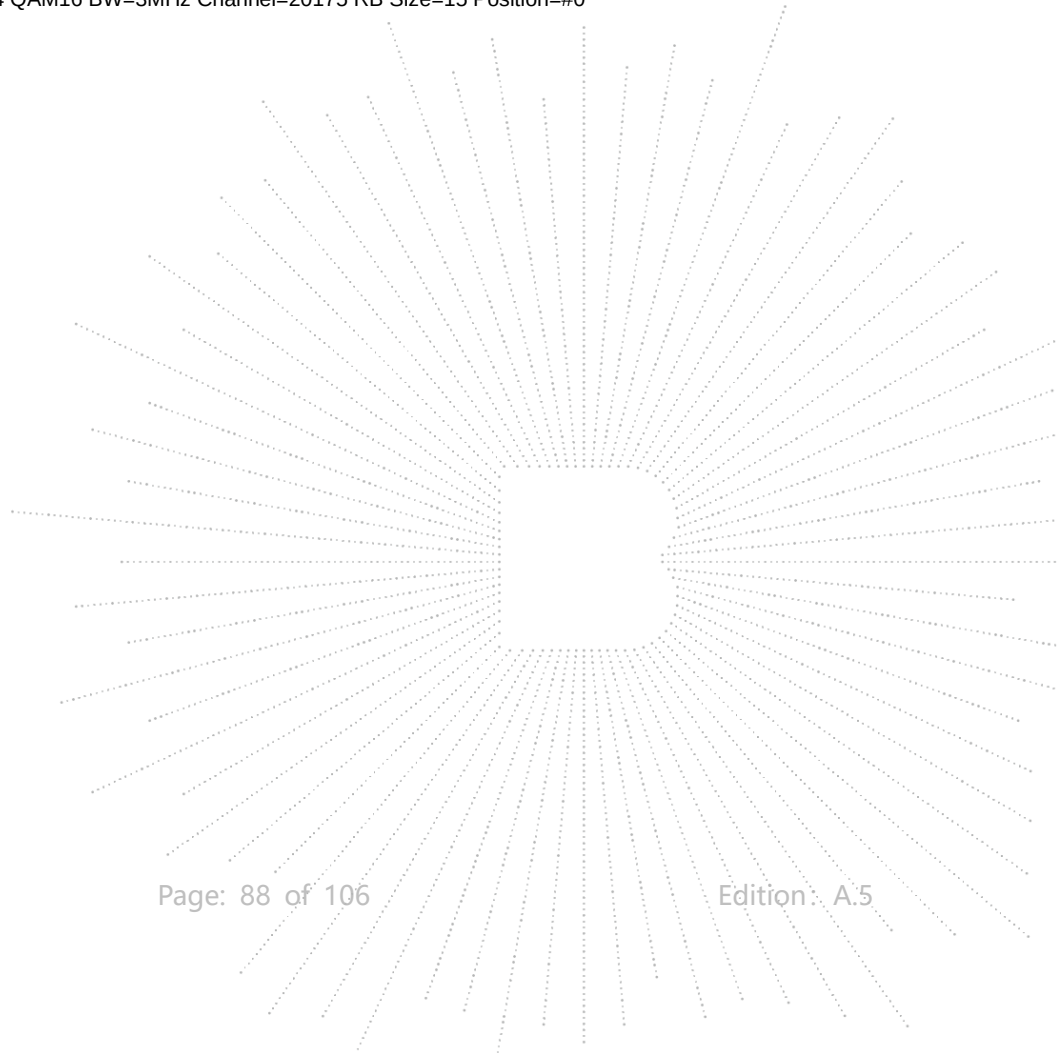
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0

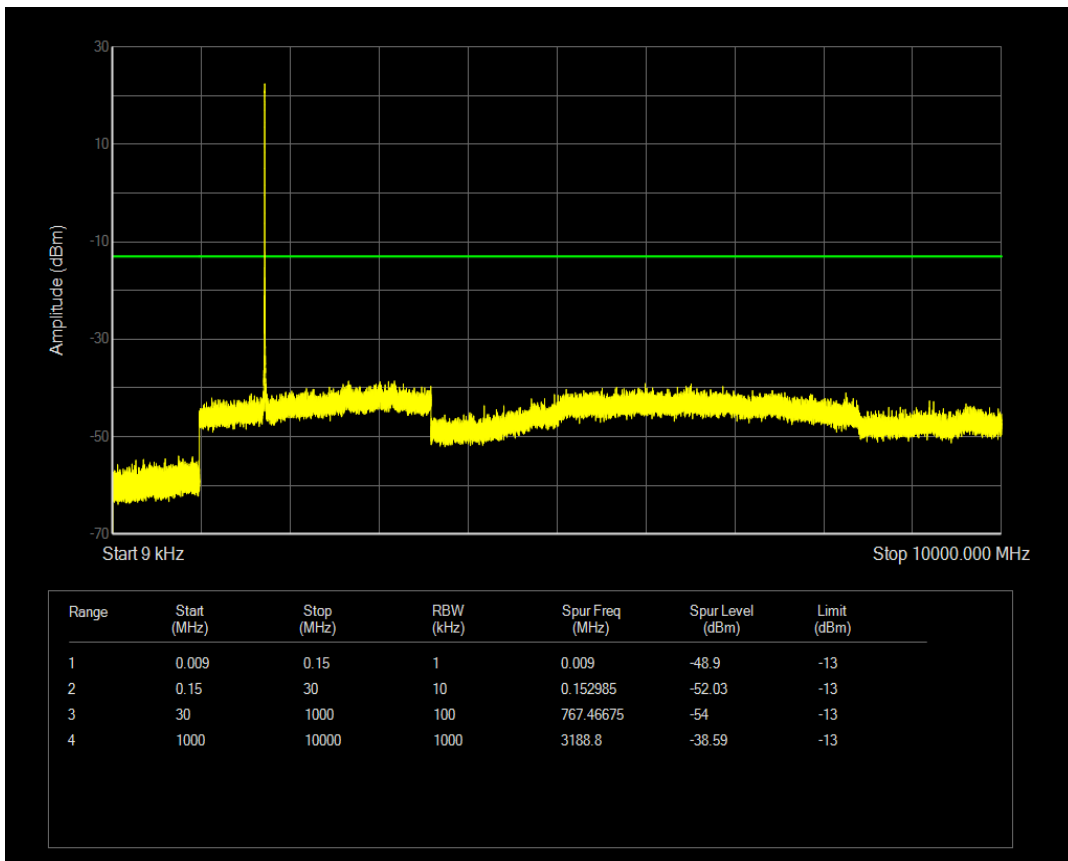


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

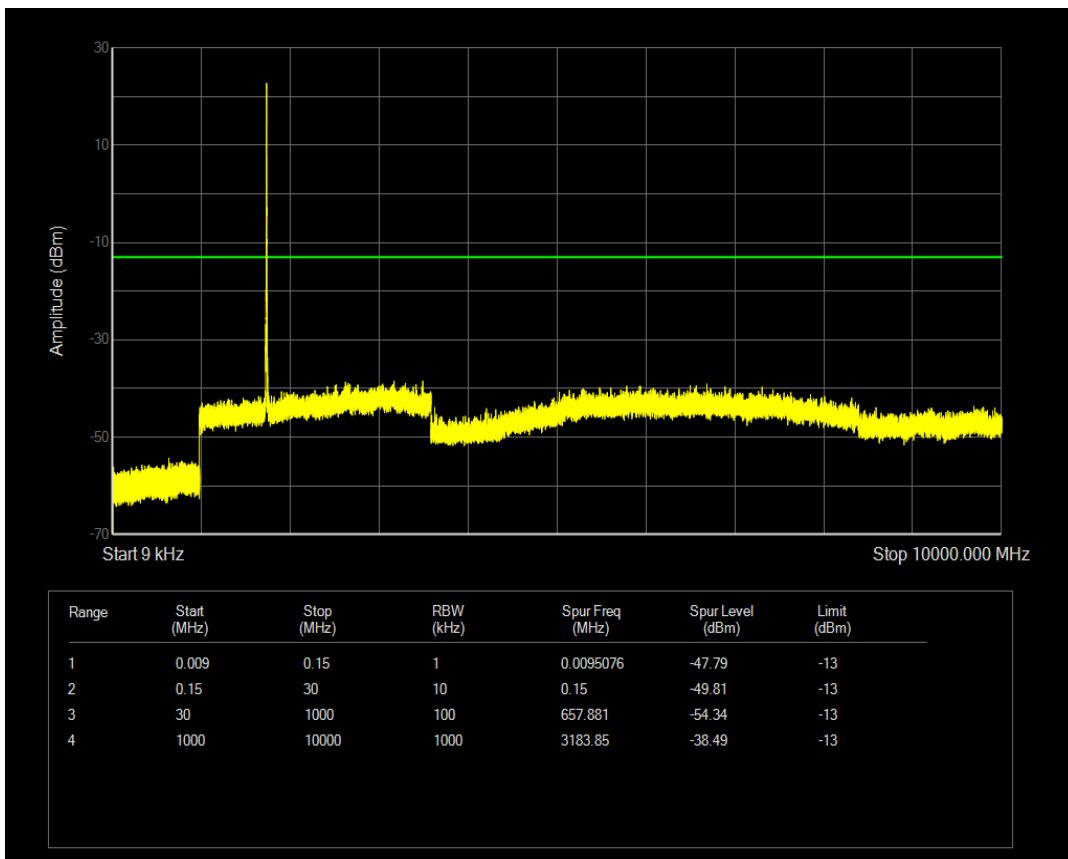


Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0

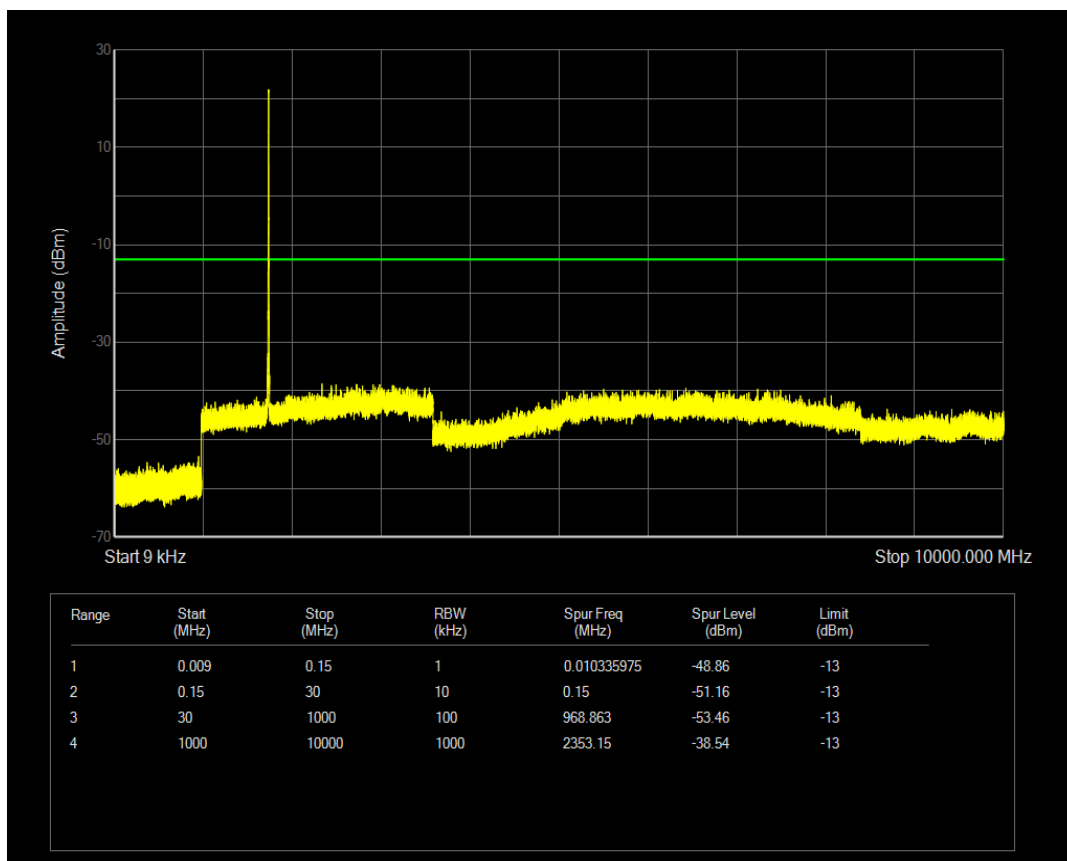




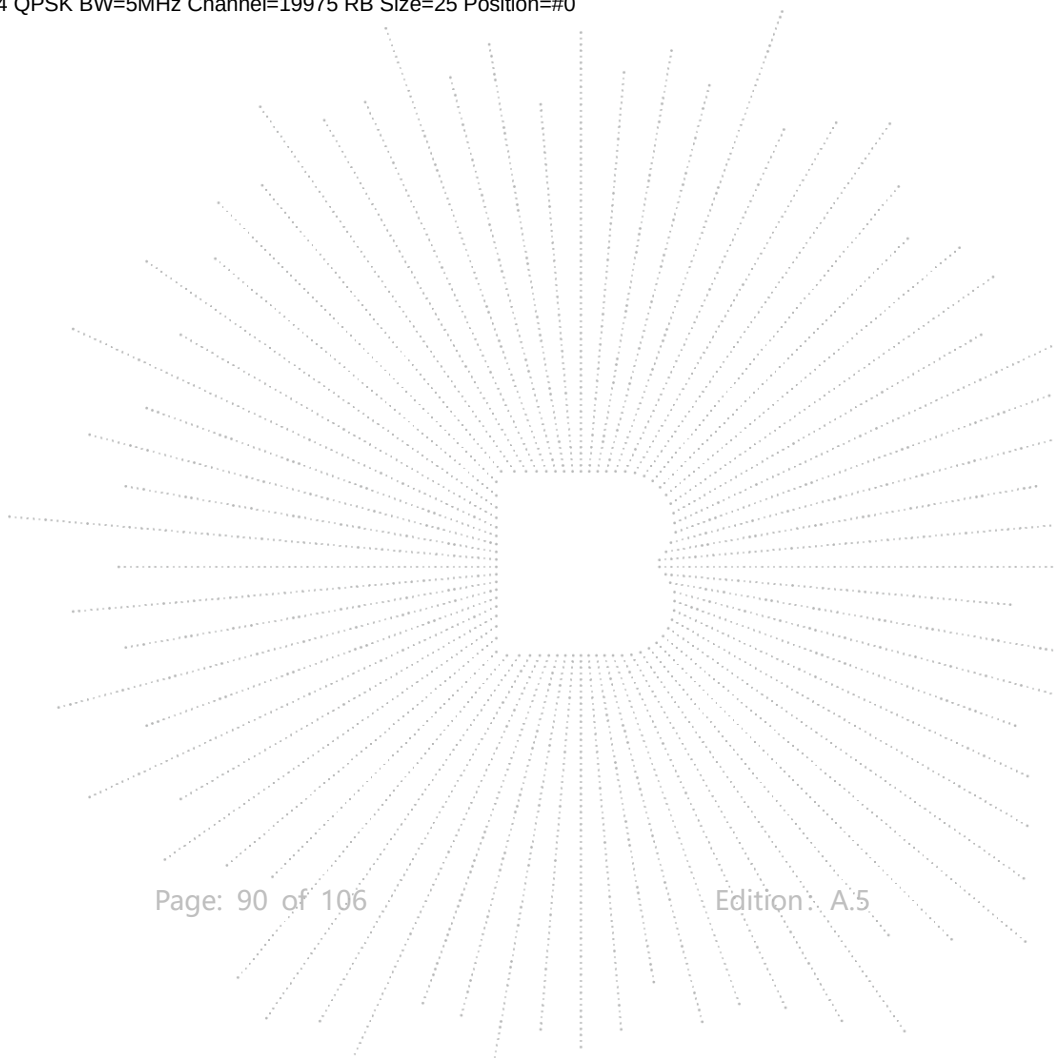
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

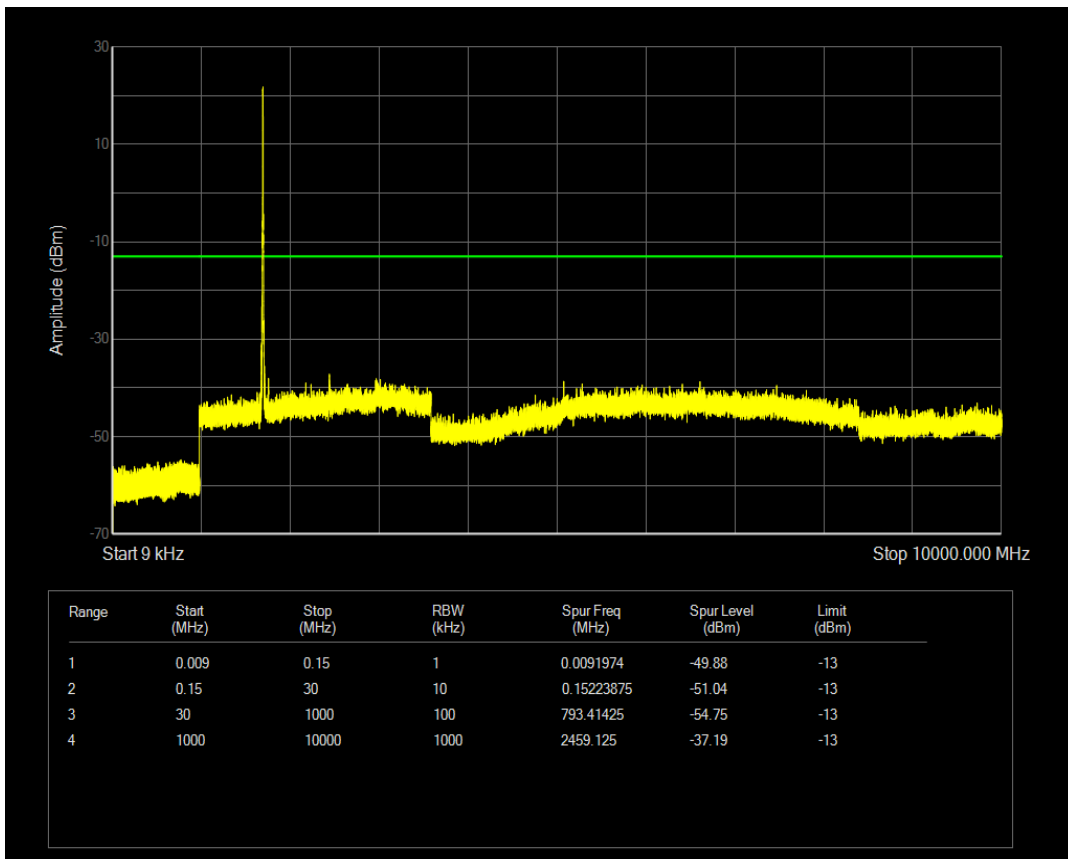


Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0

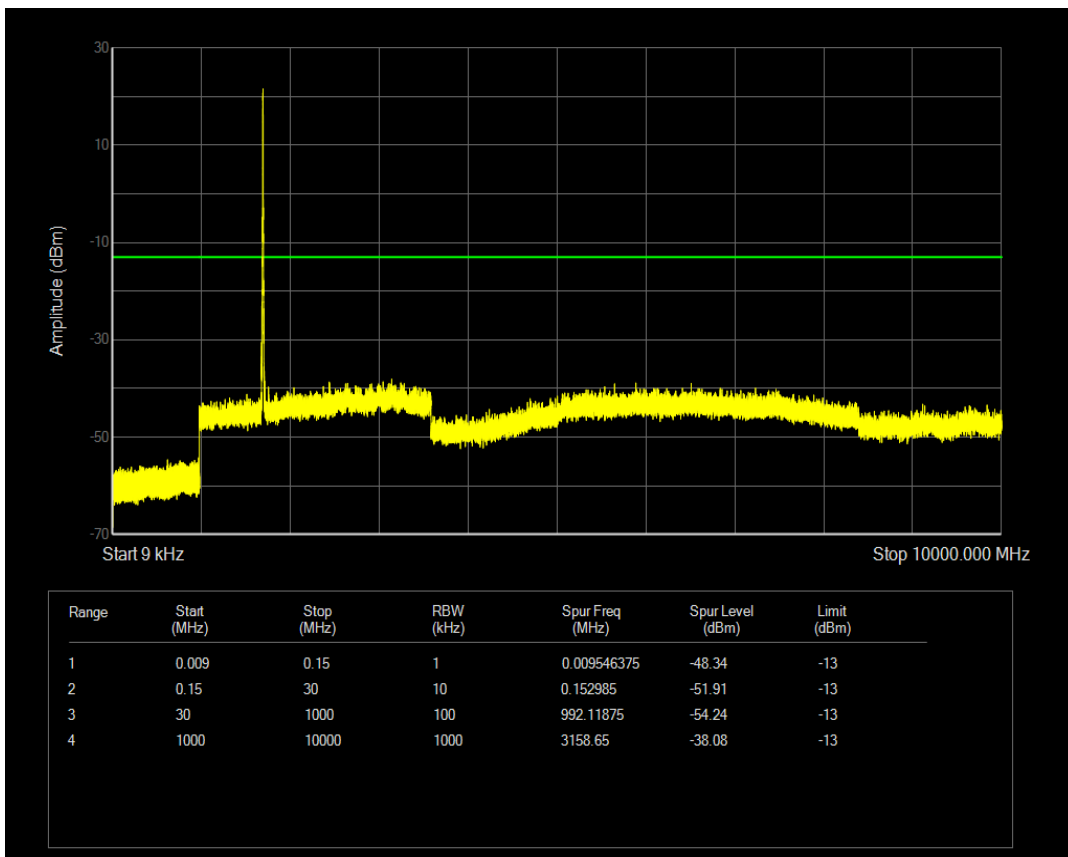


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

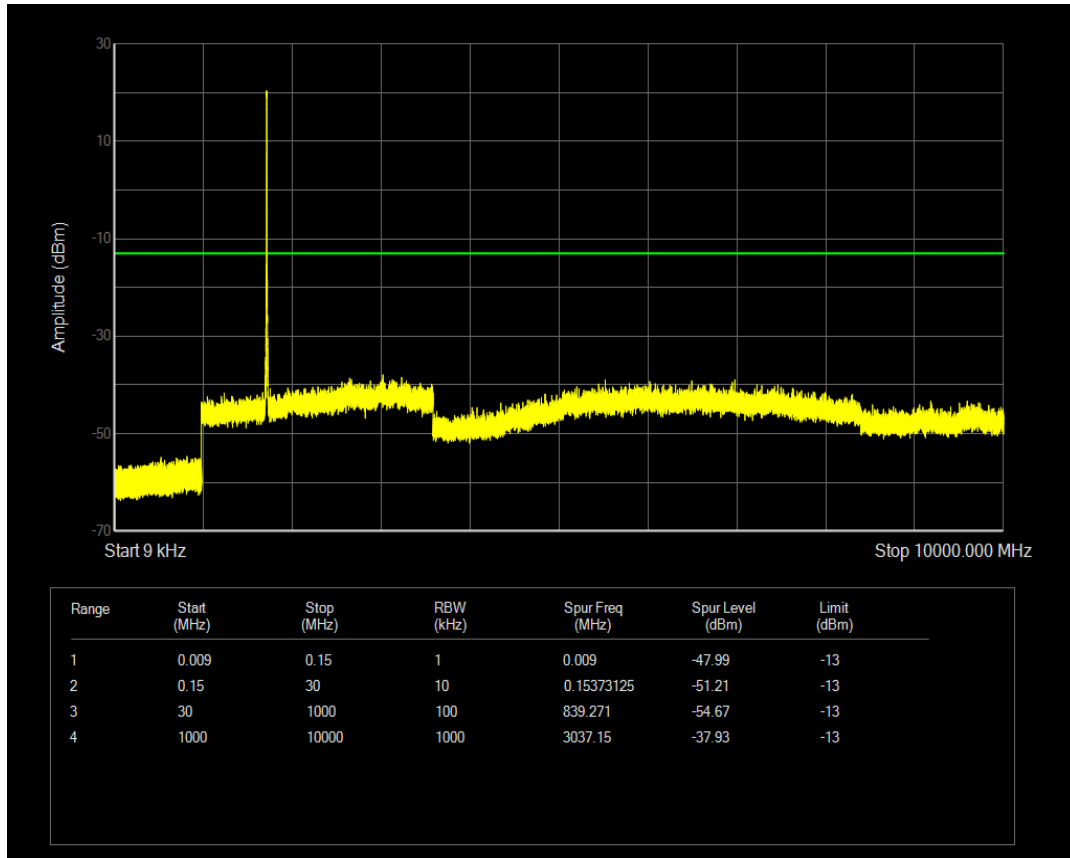




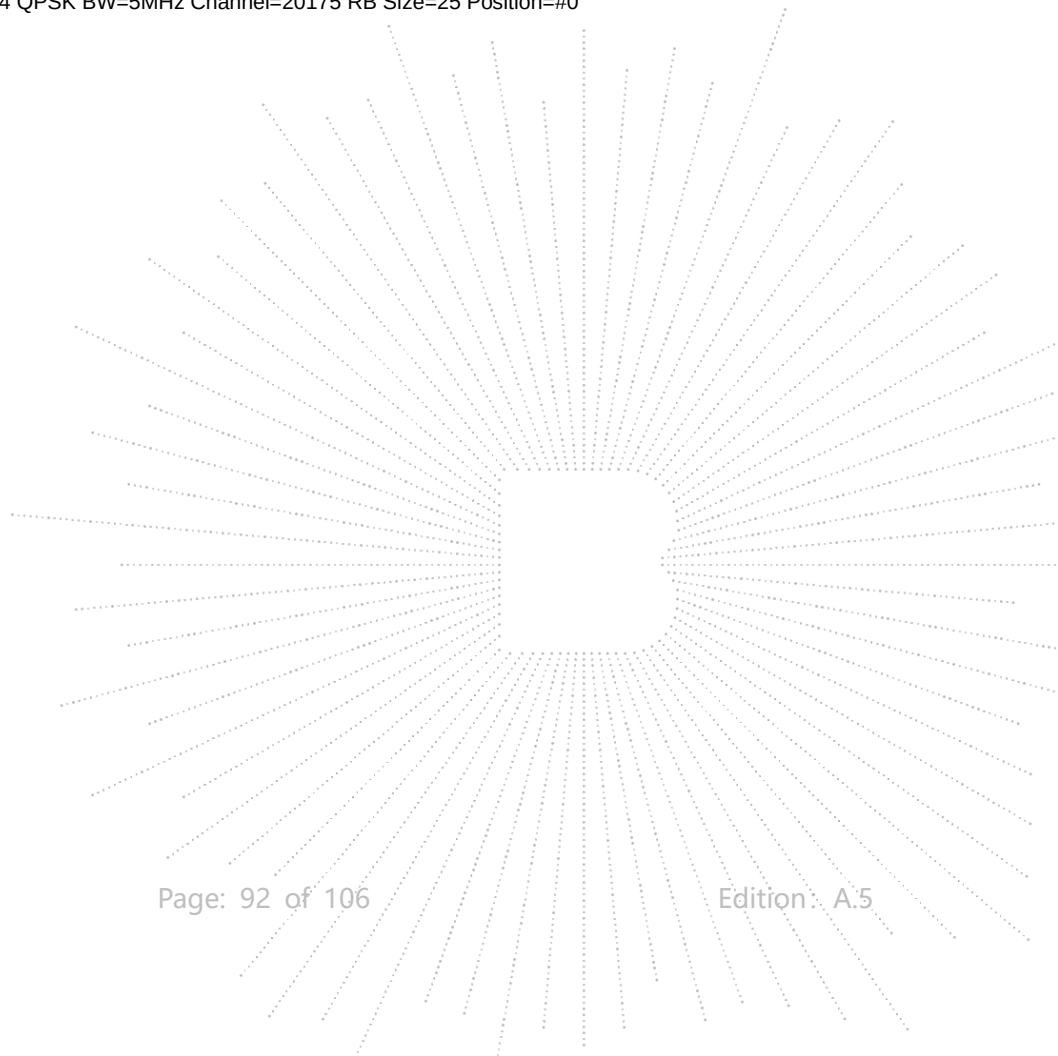
Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0

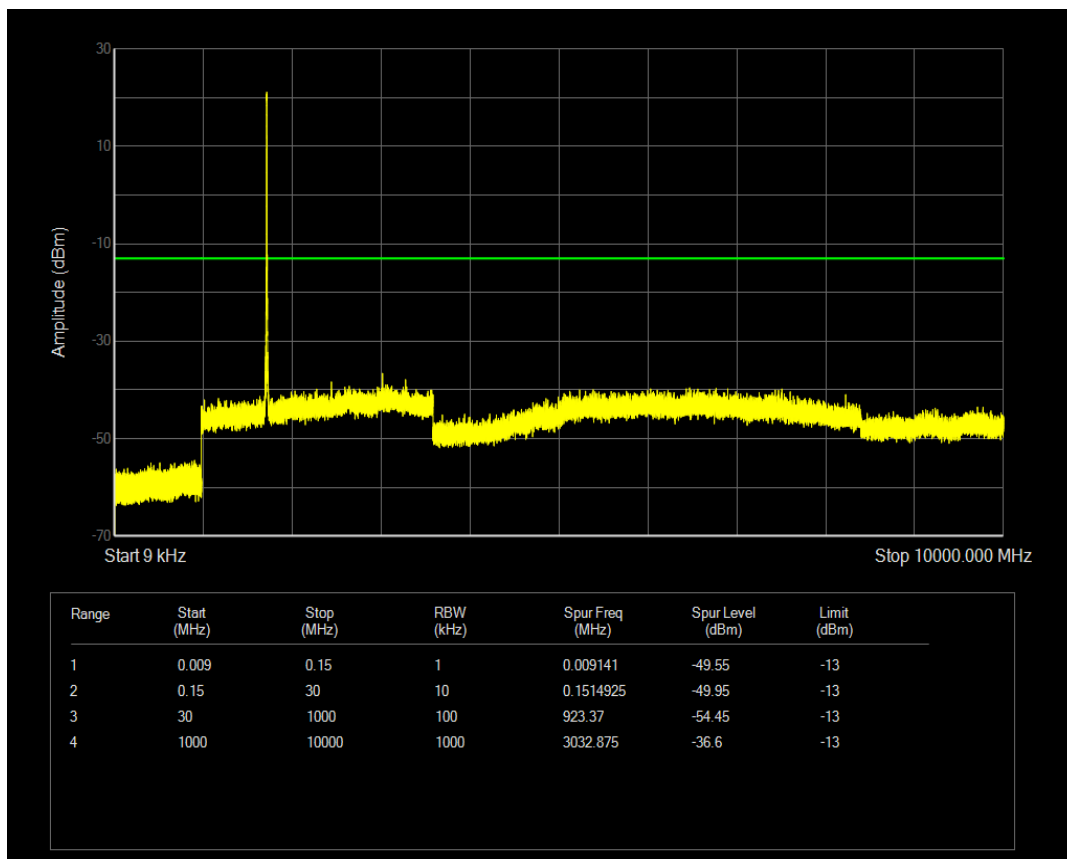


Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0

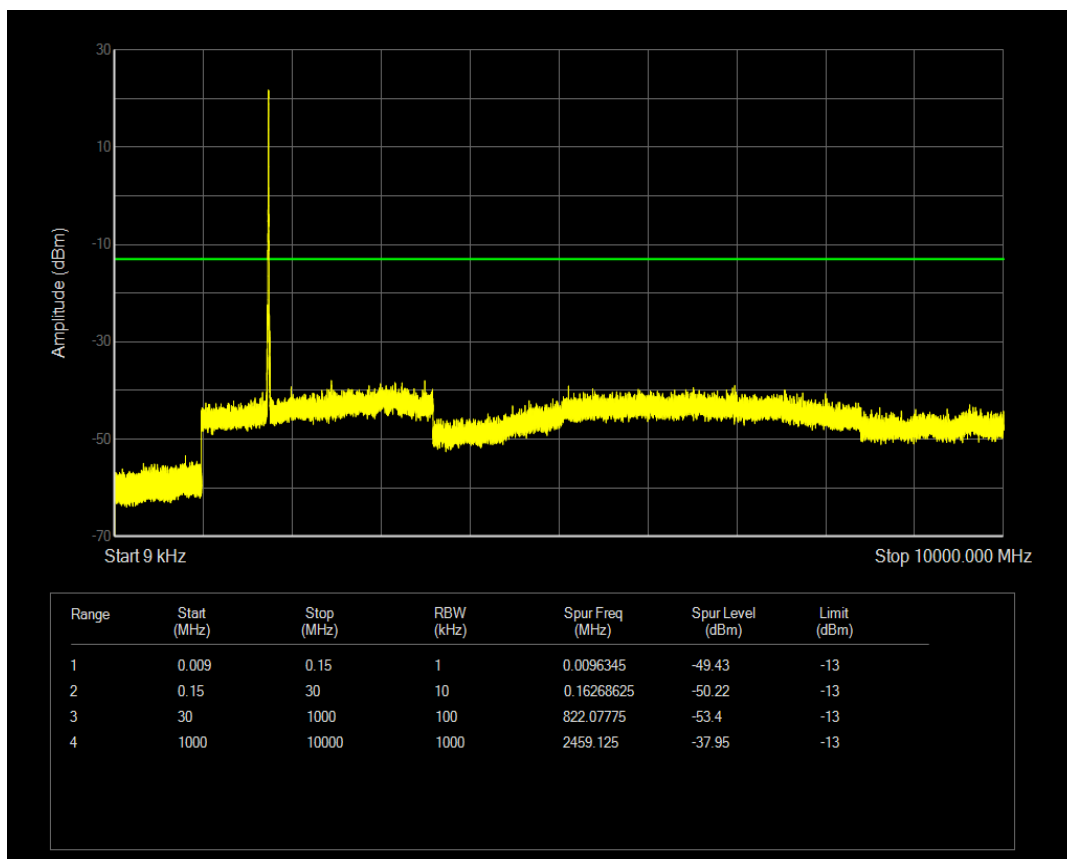


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

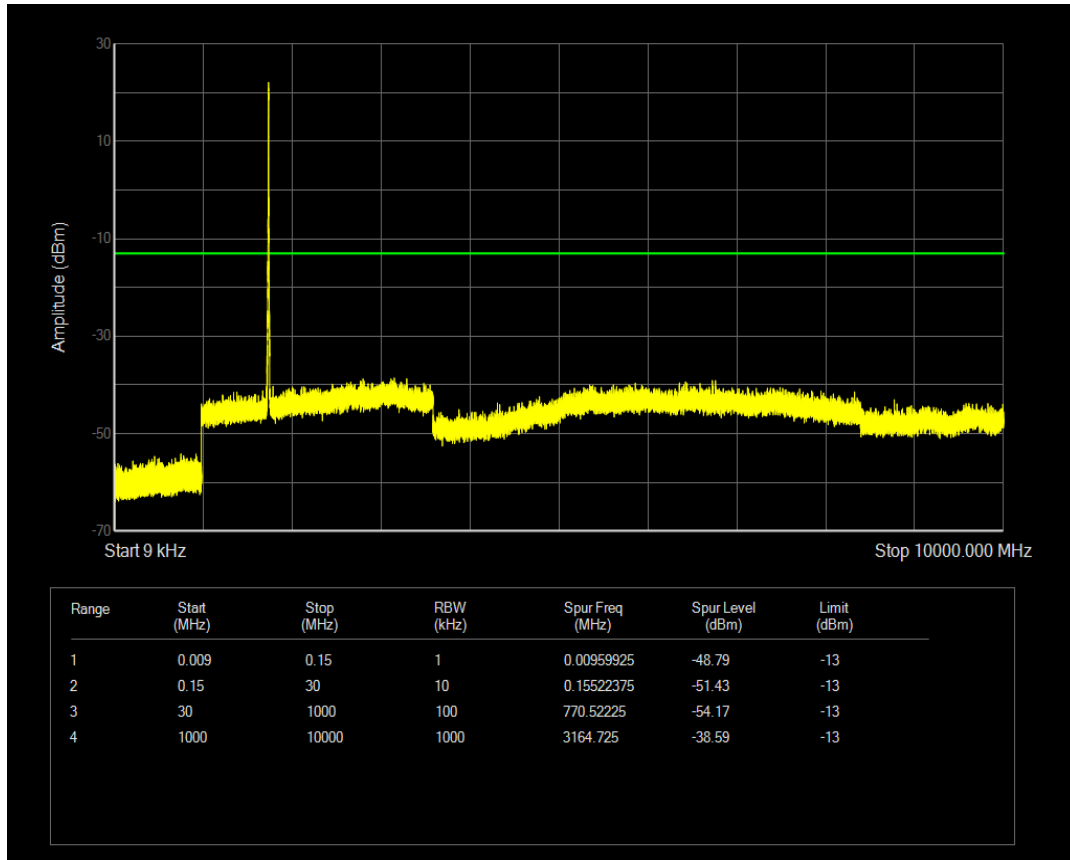




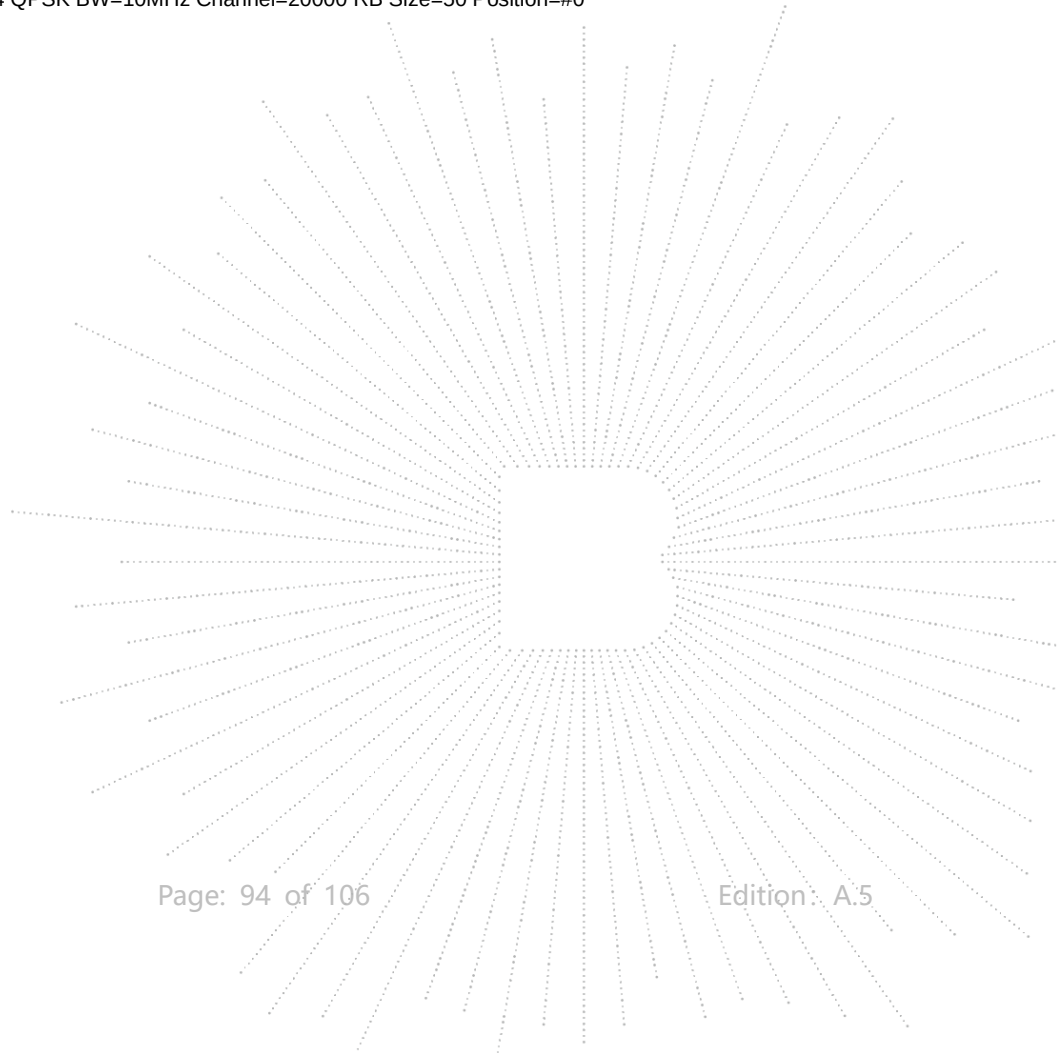
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

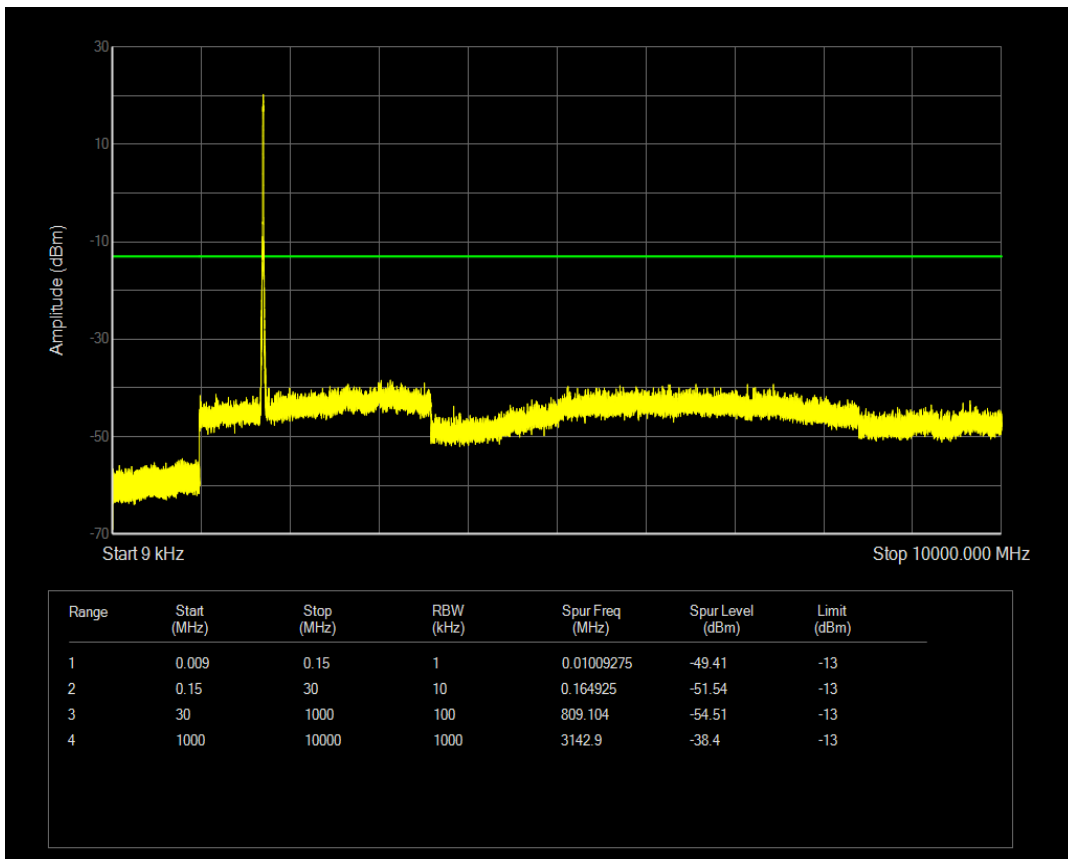


Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0

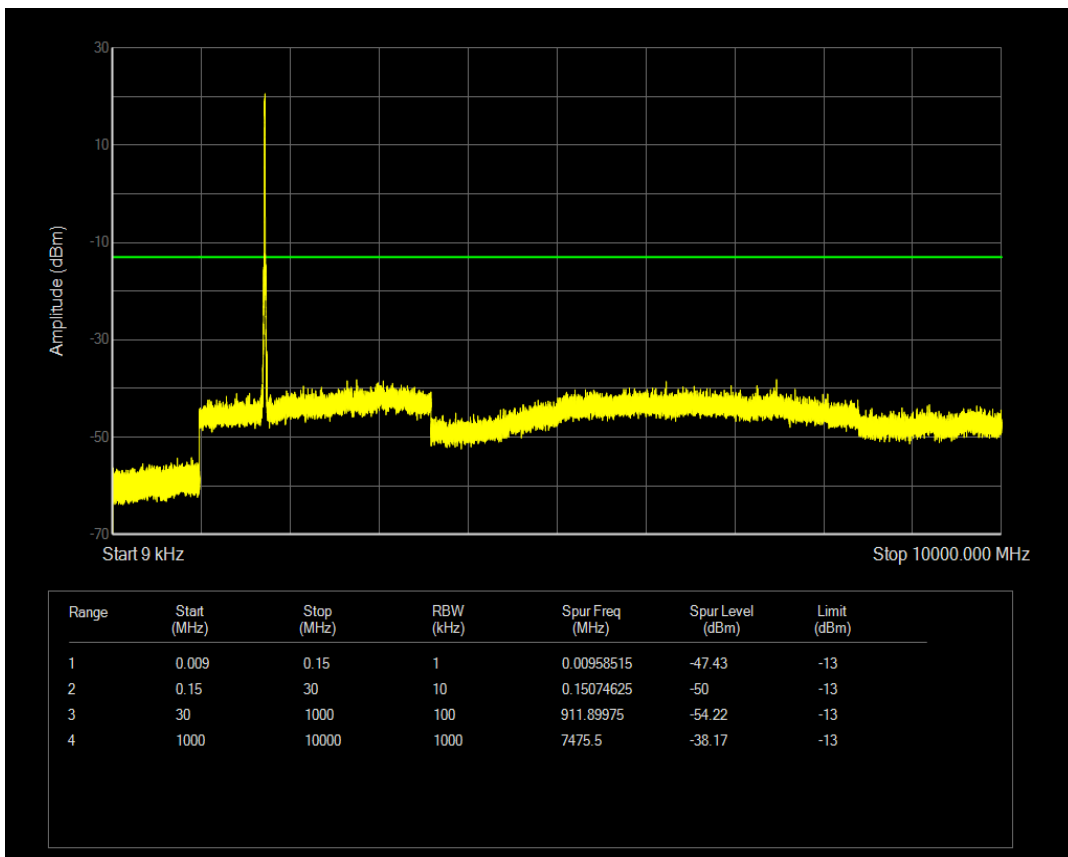


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

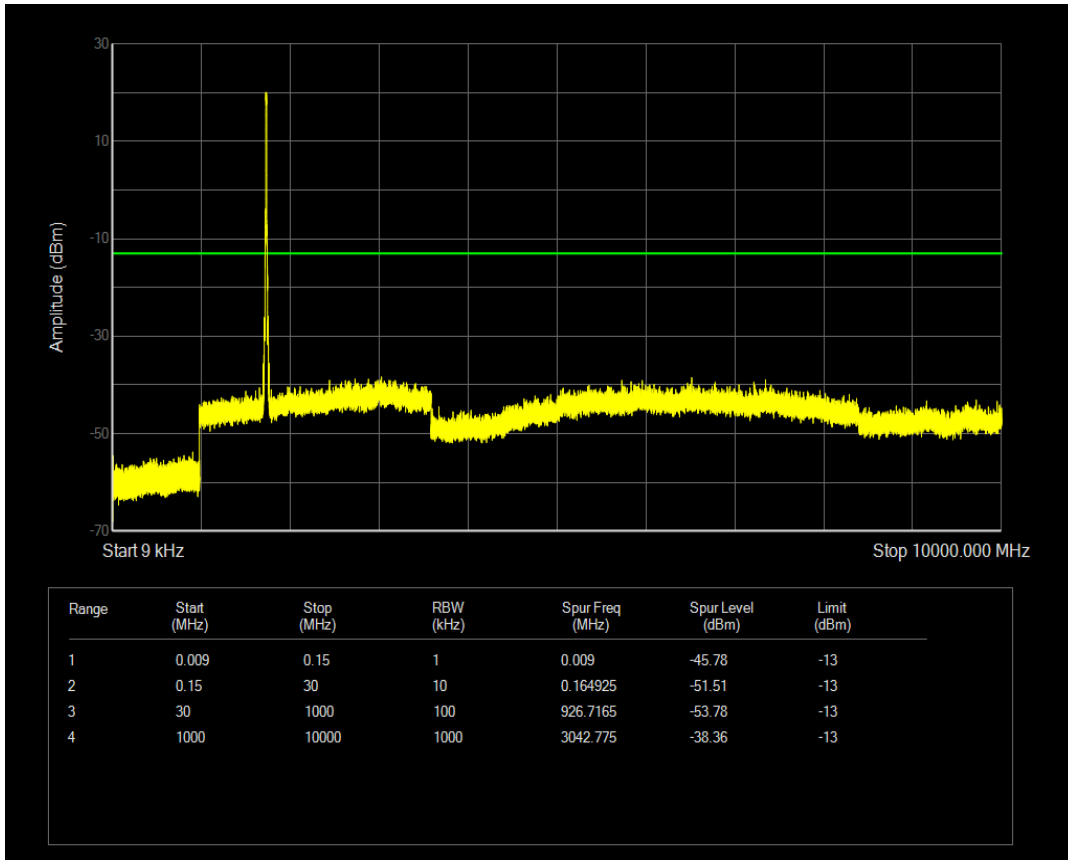




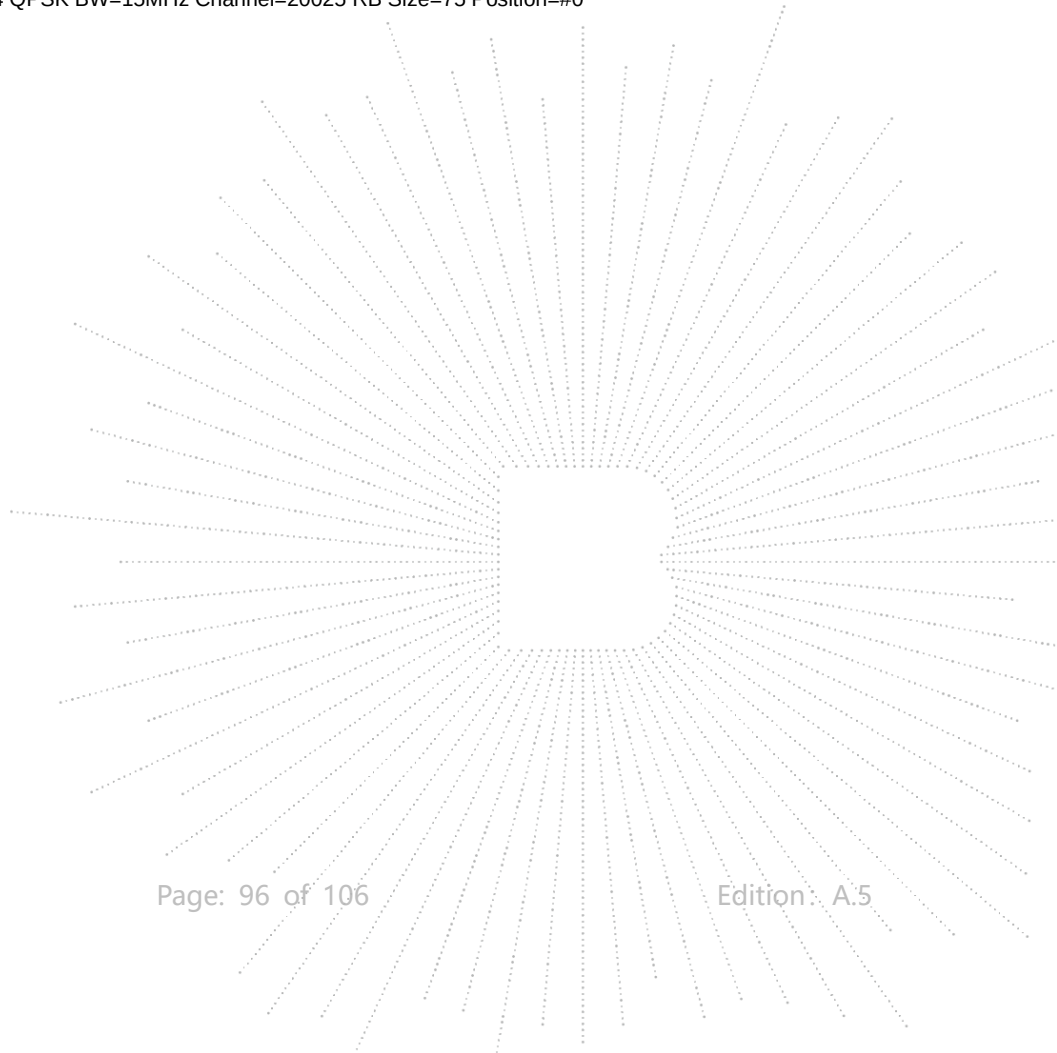
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

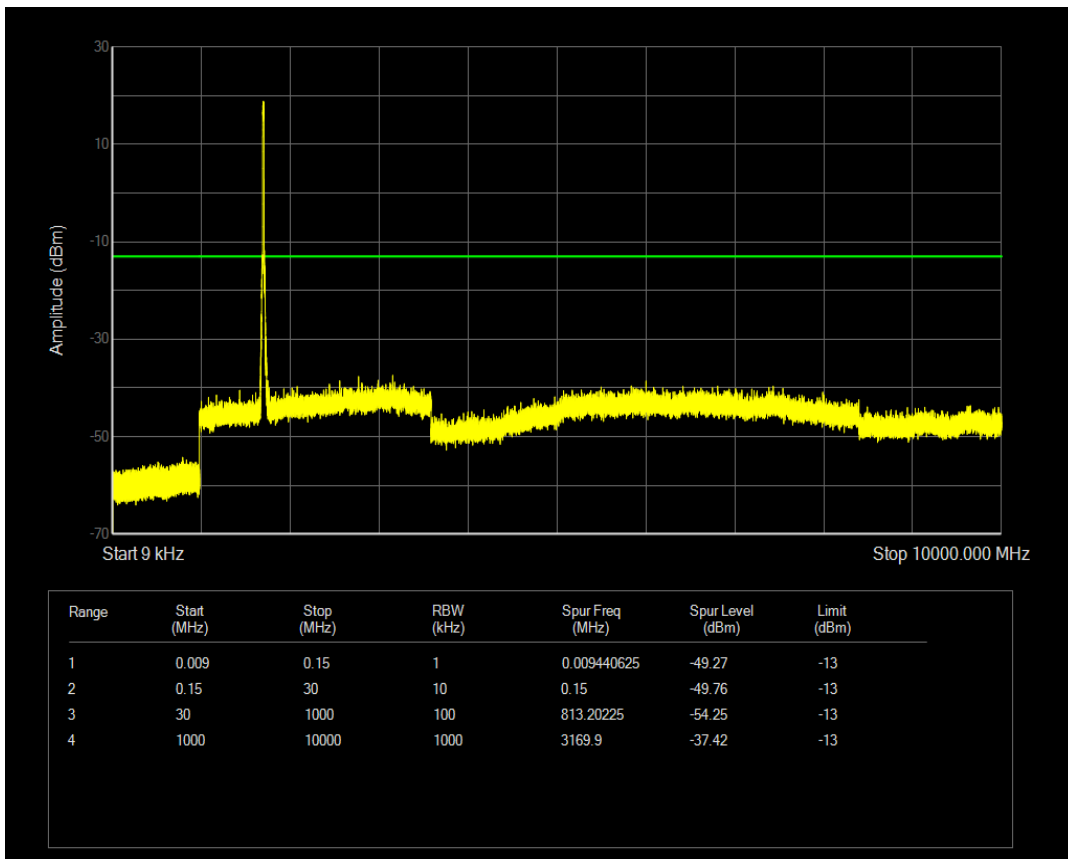


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

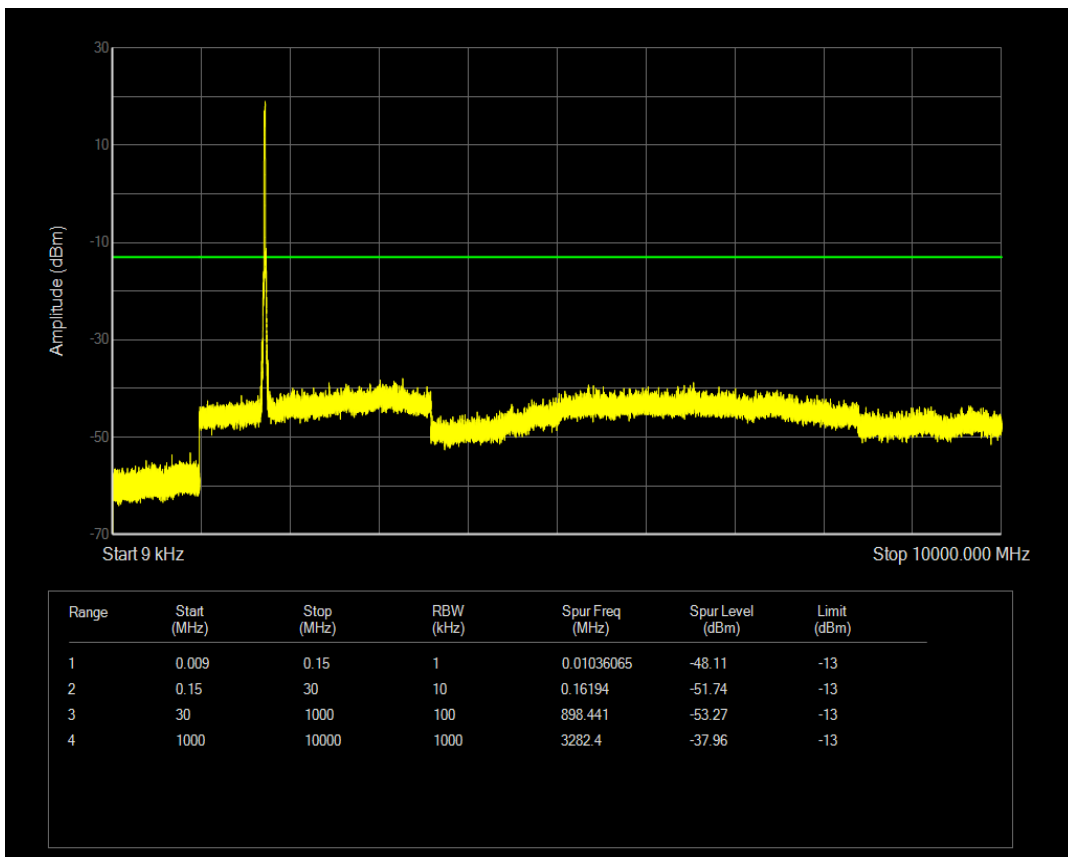


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

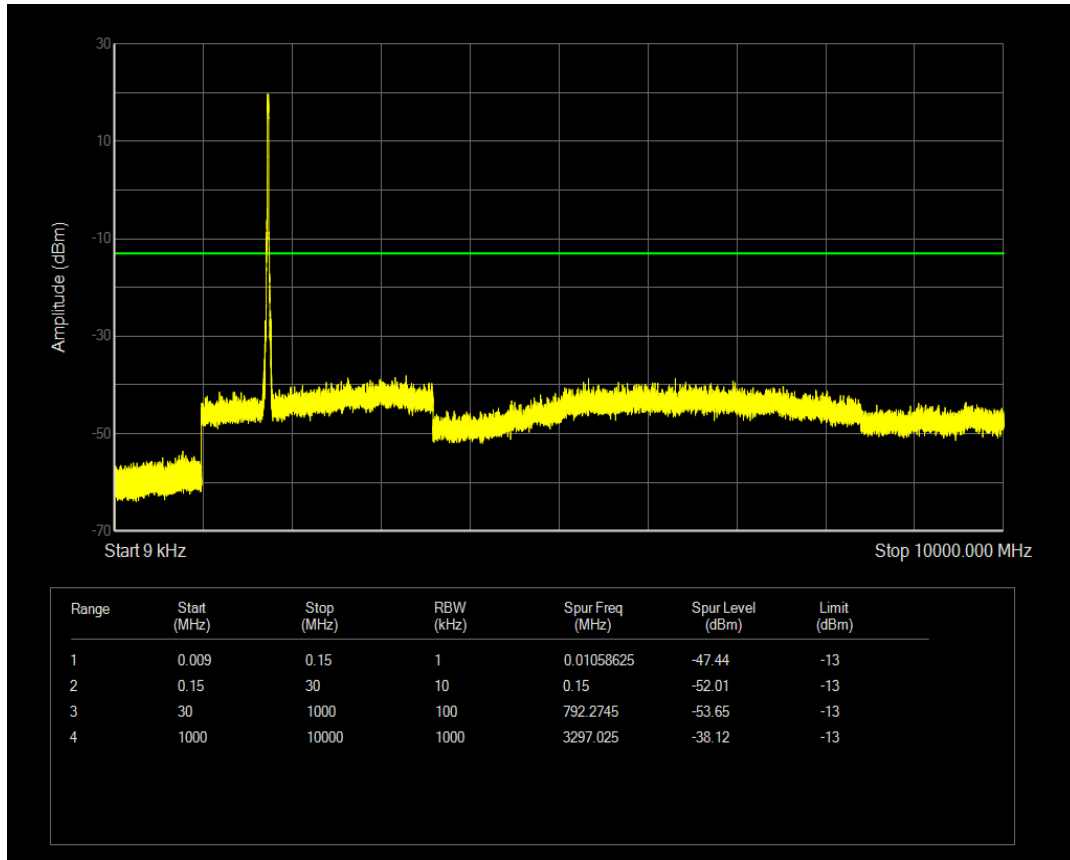




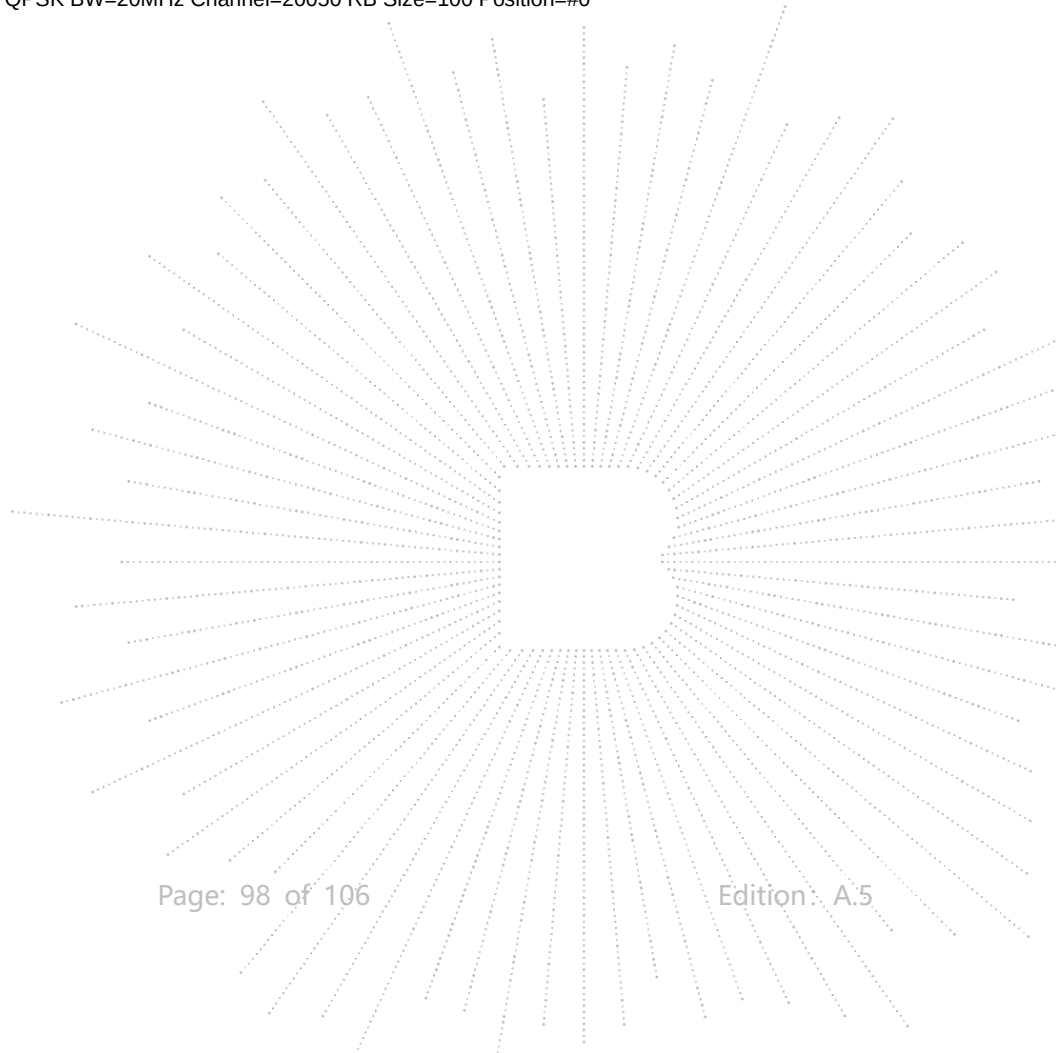
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

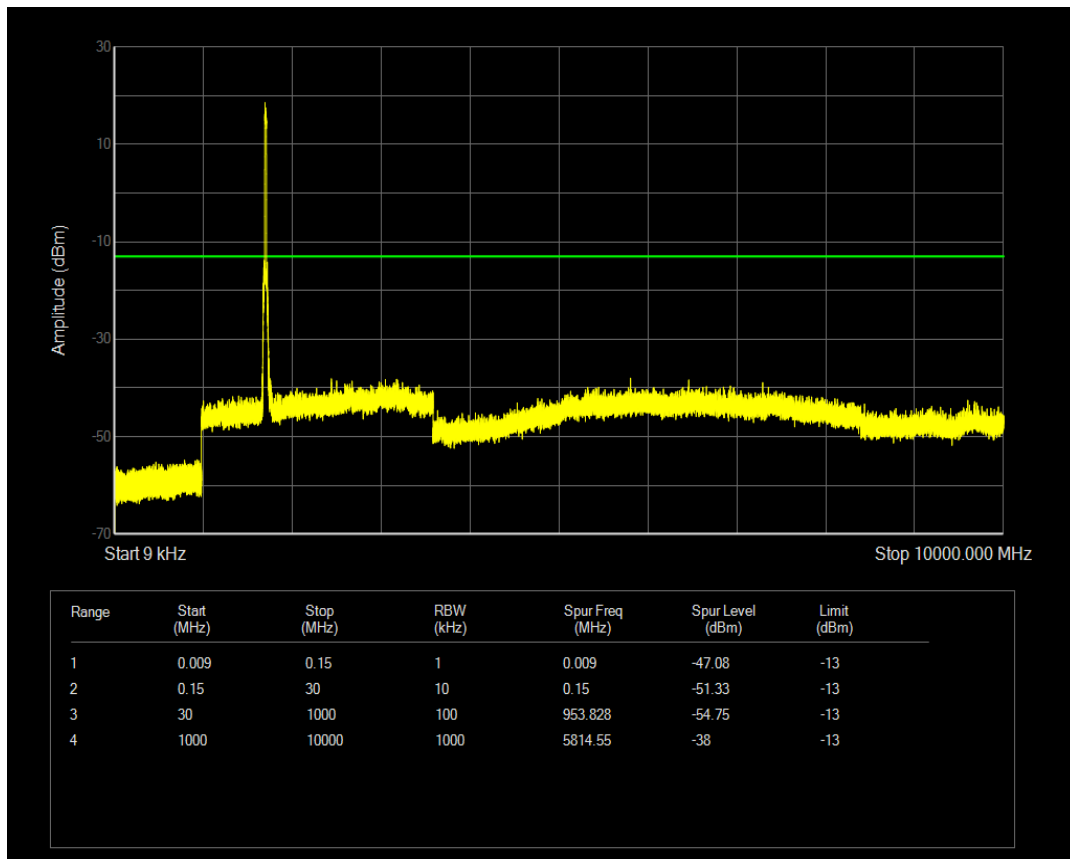


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

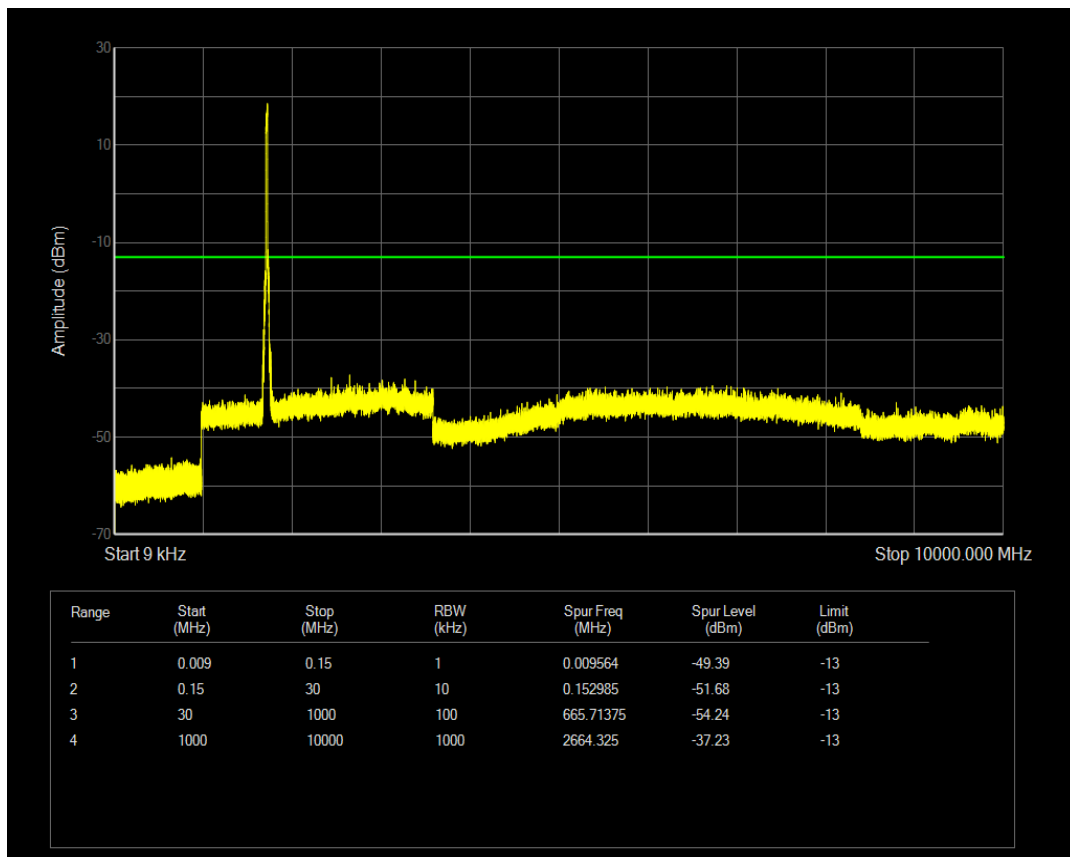


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

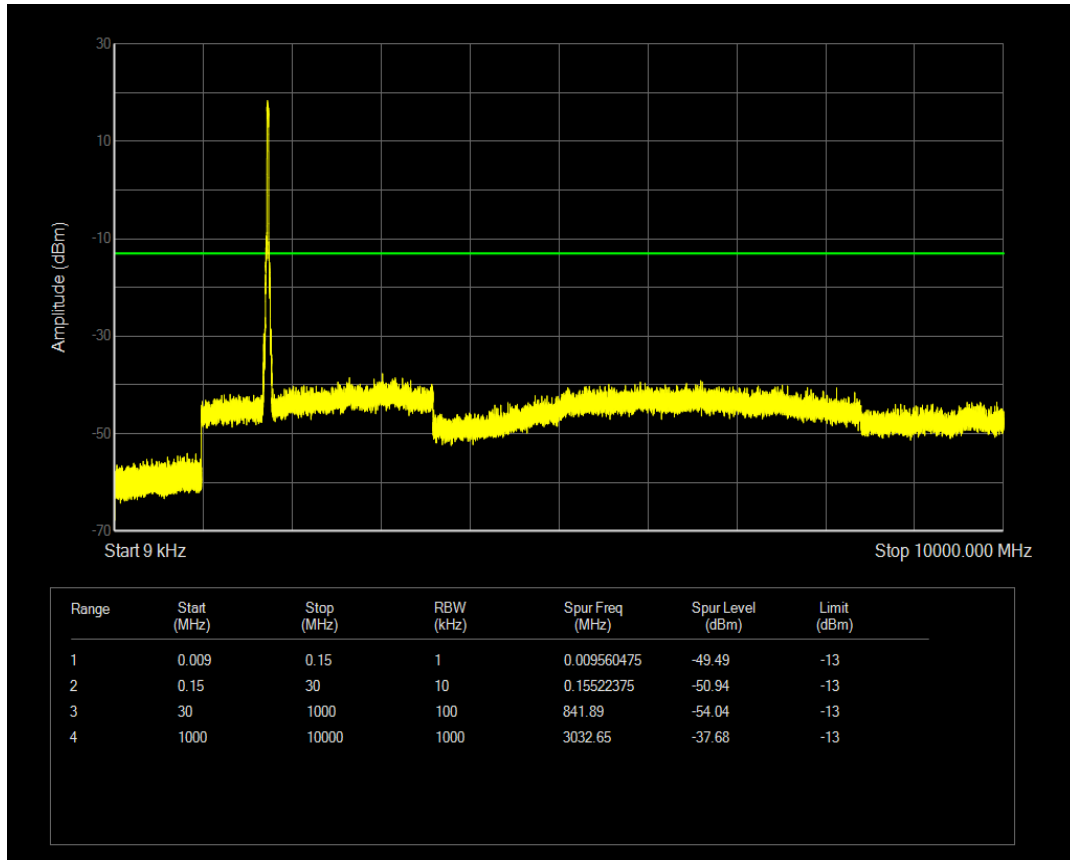




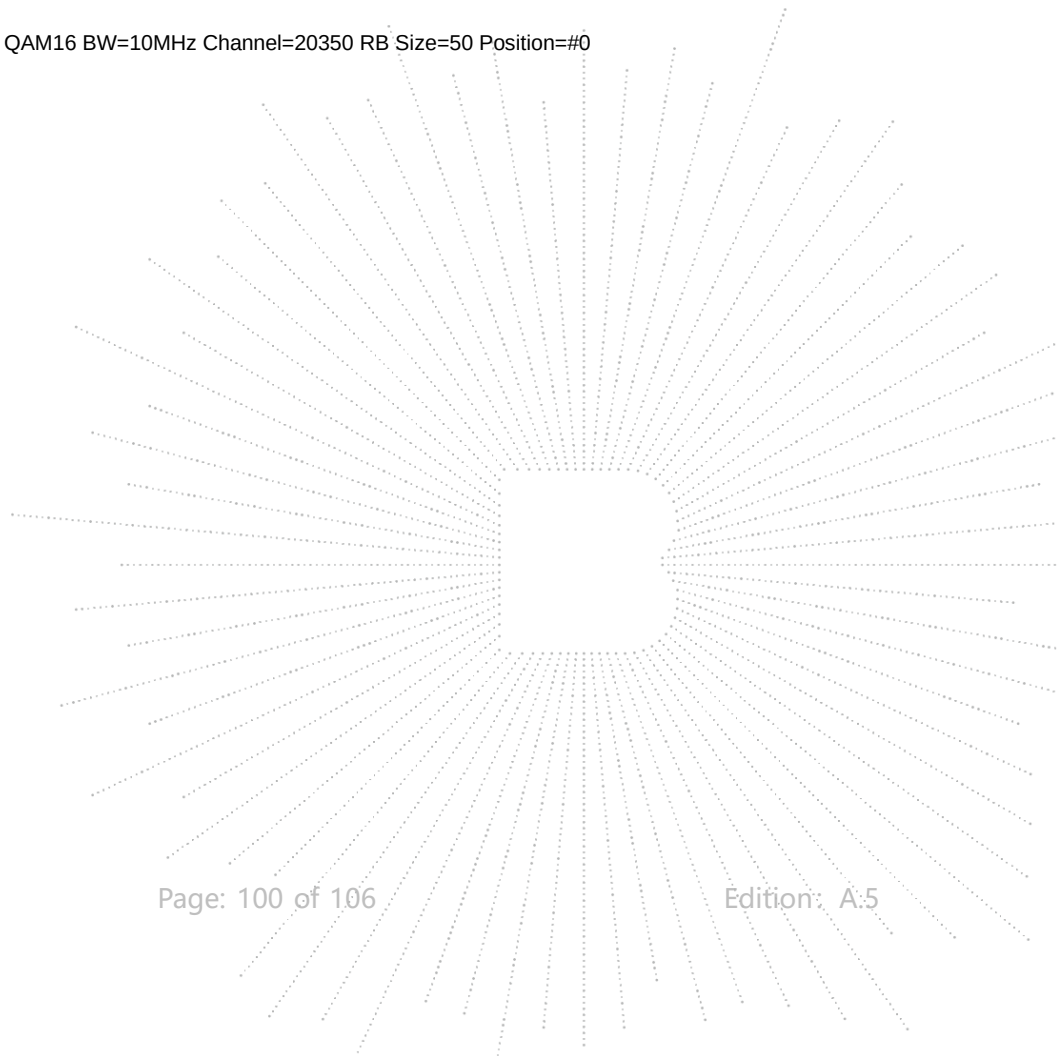
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

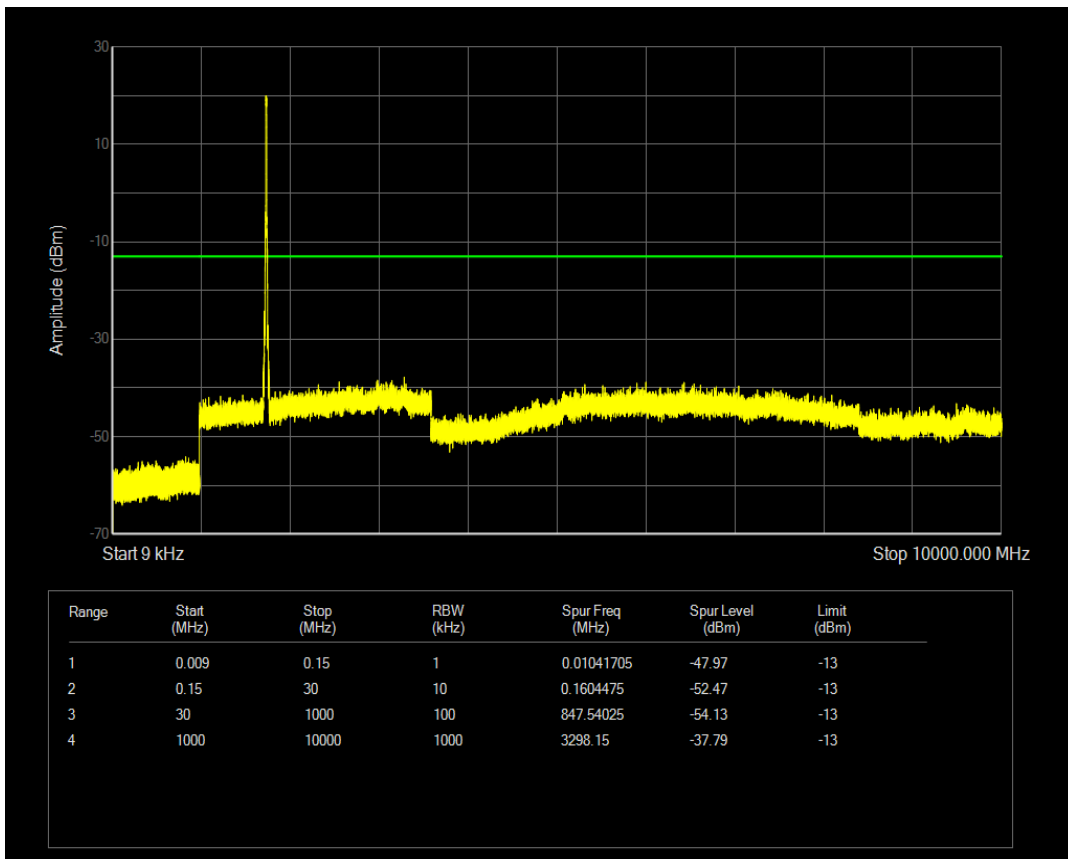


Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

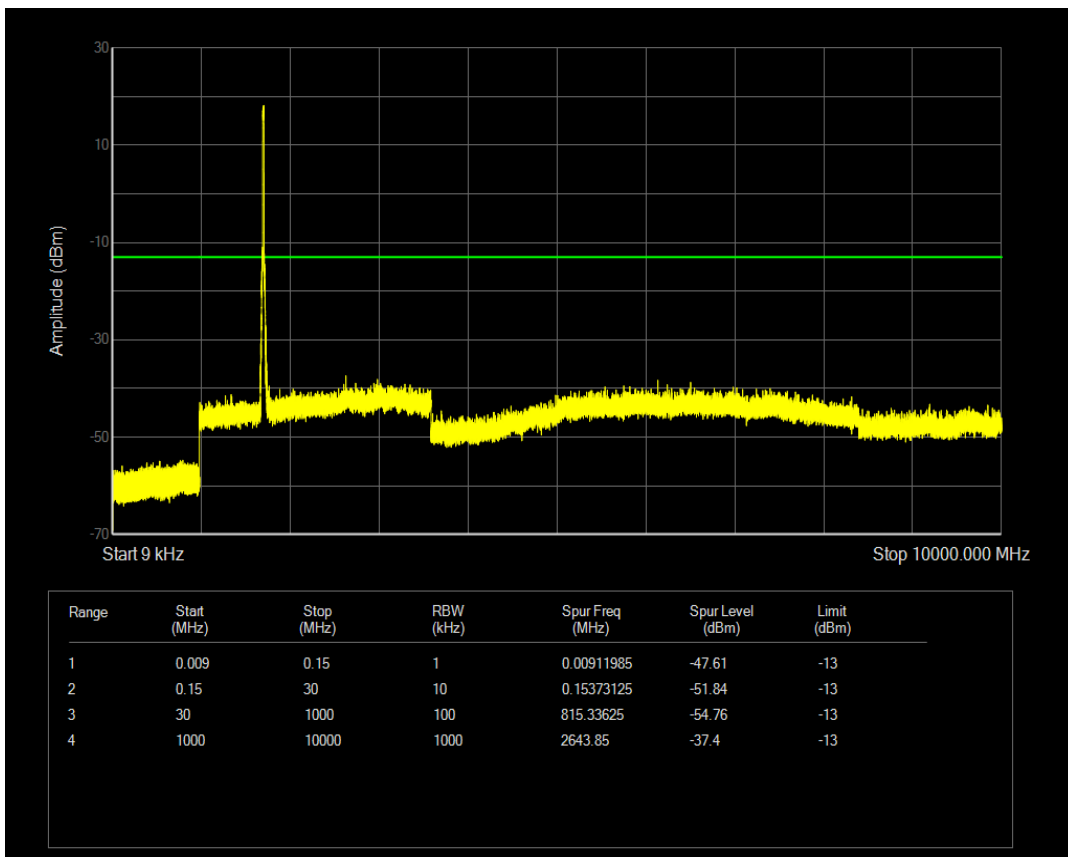


Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0

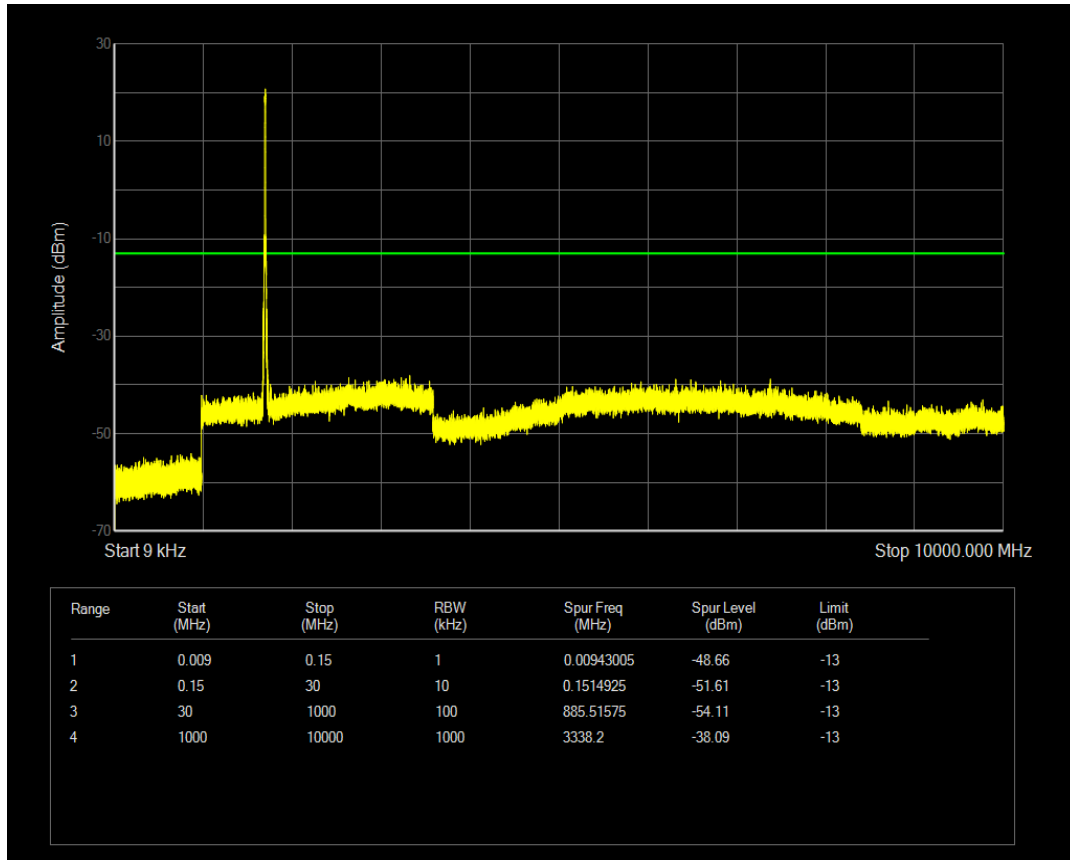




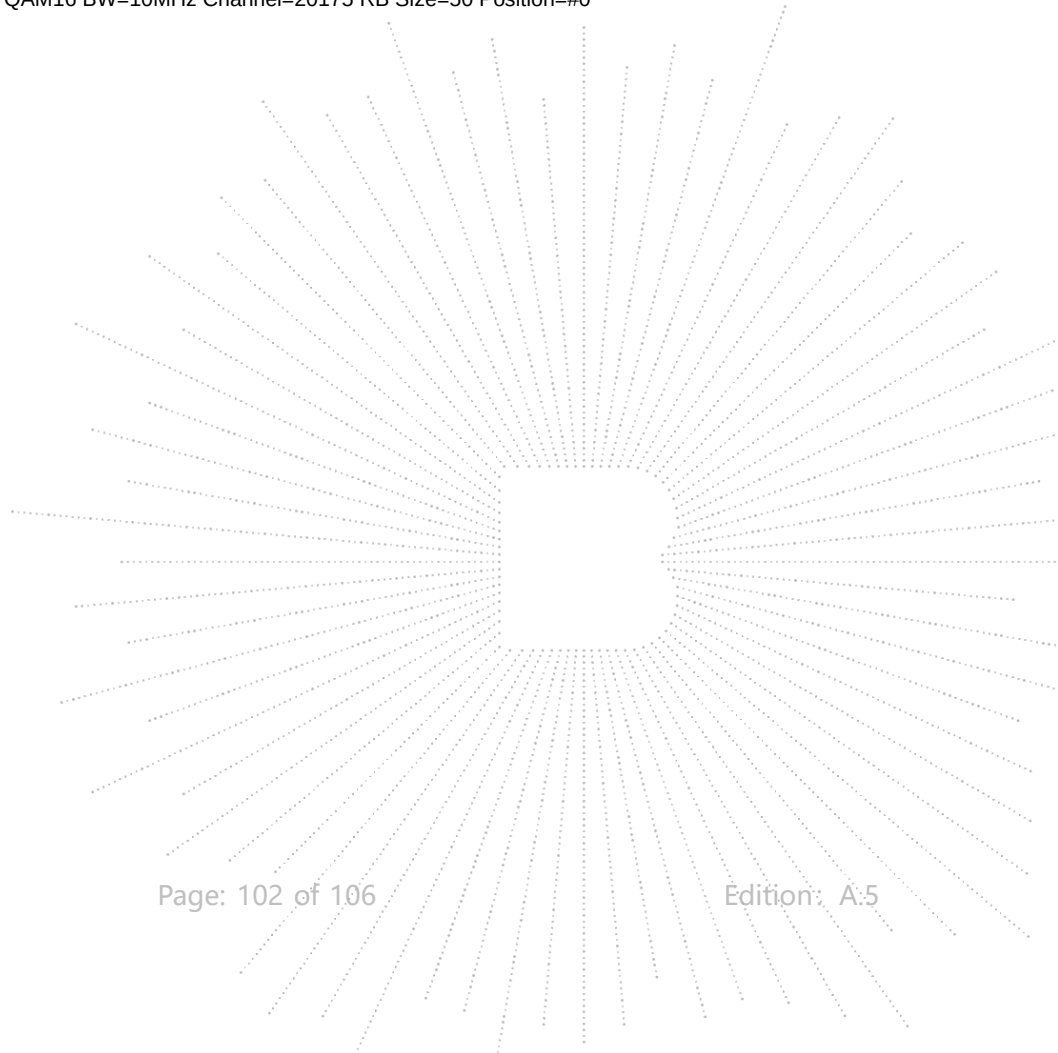
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0

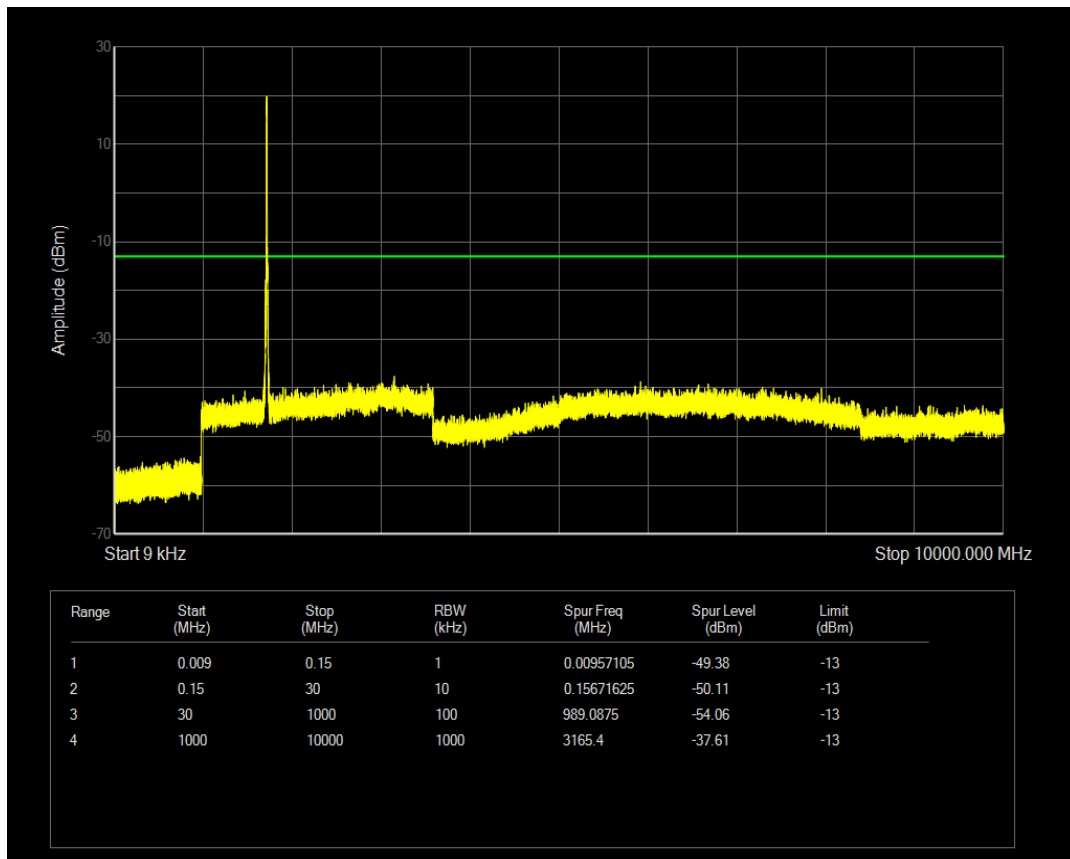


Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0

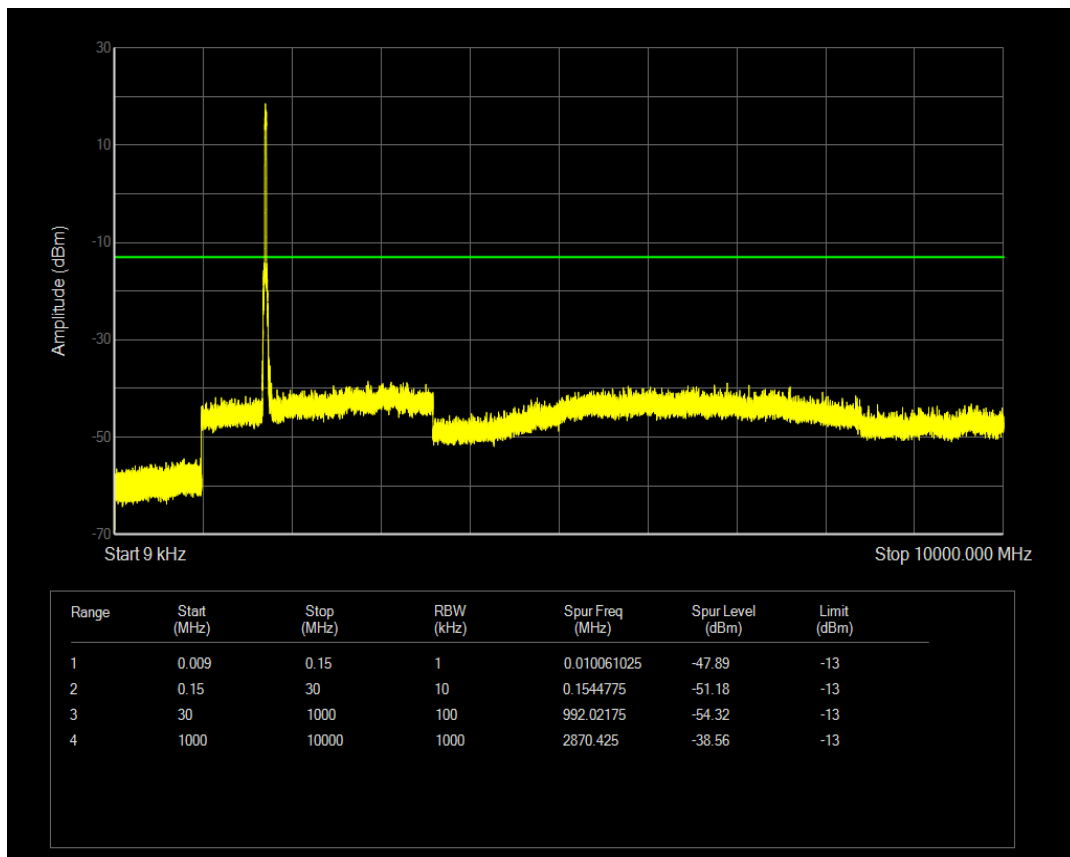


Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0

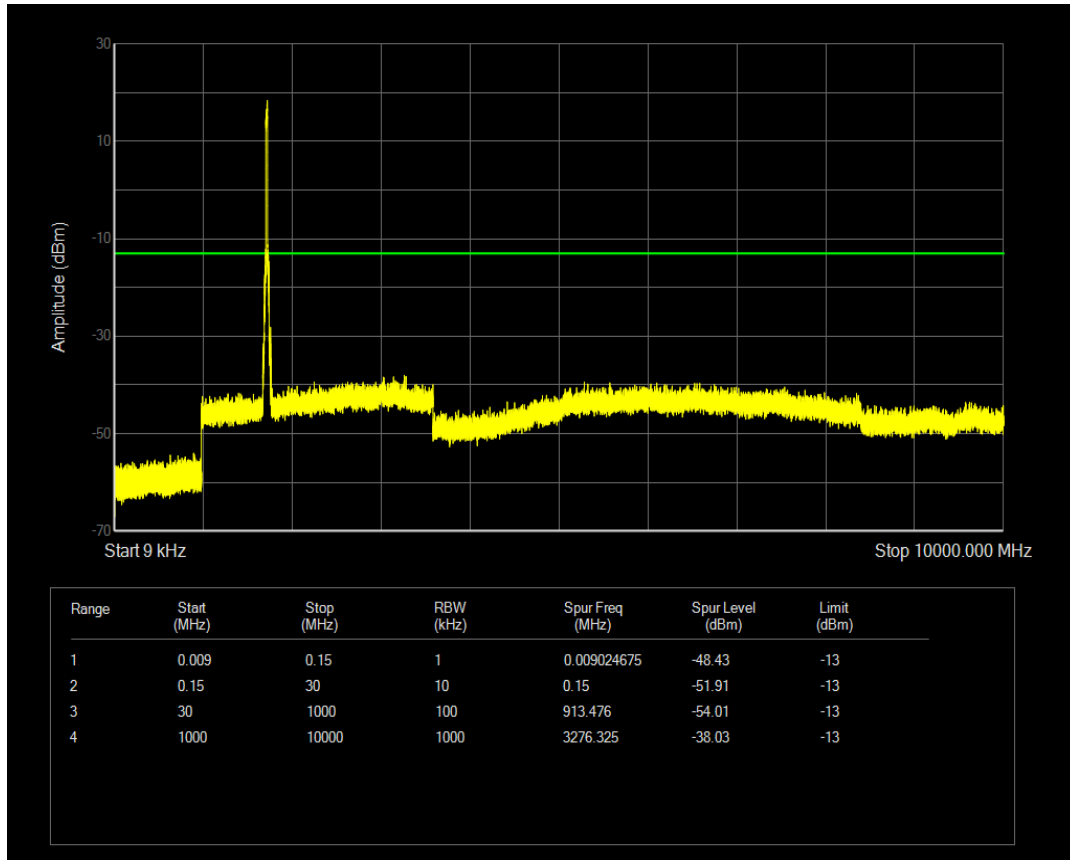




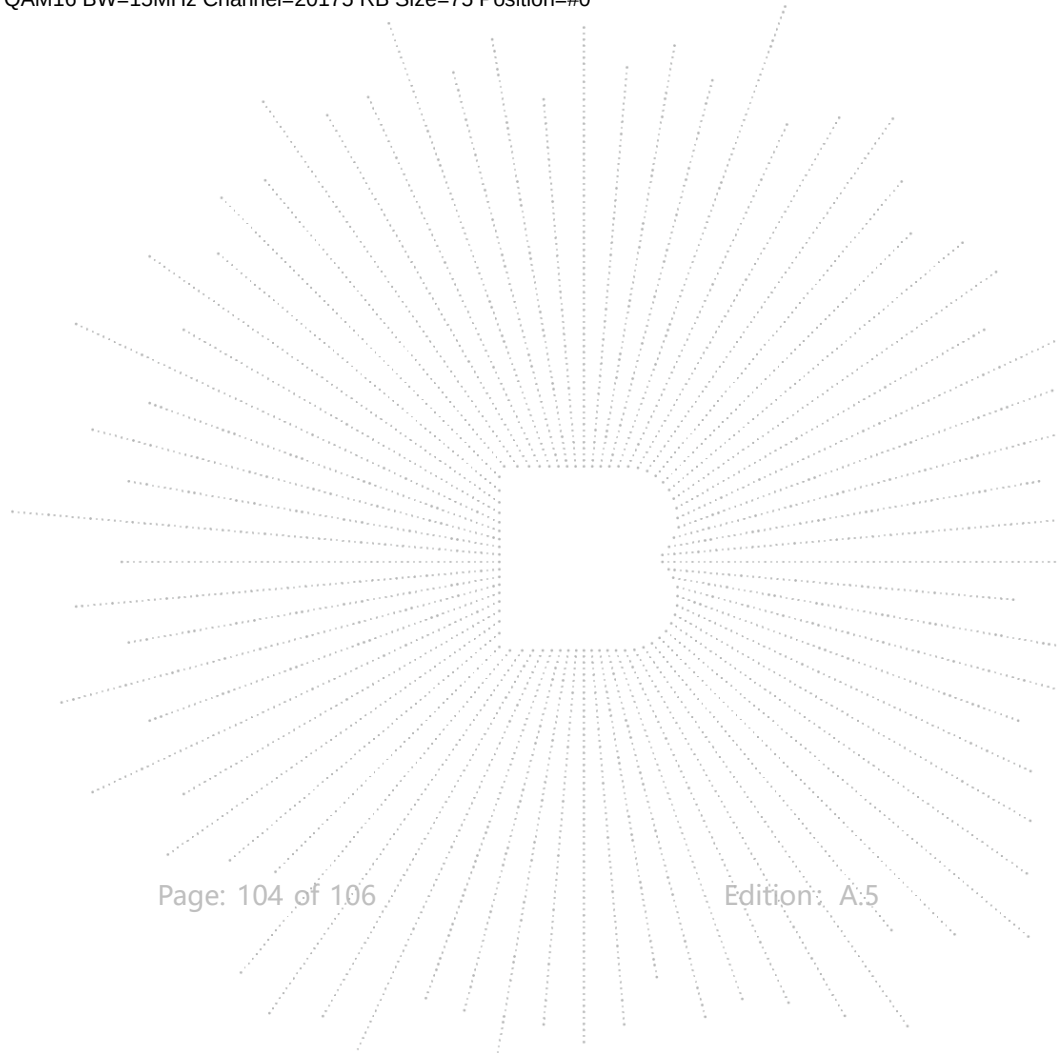
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0

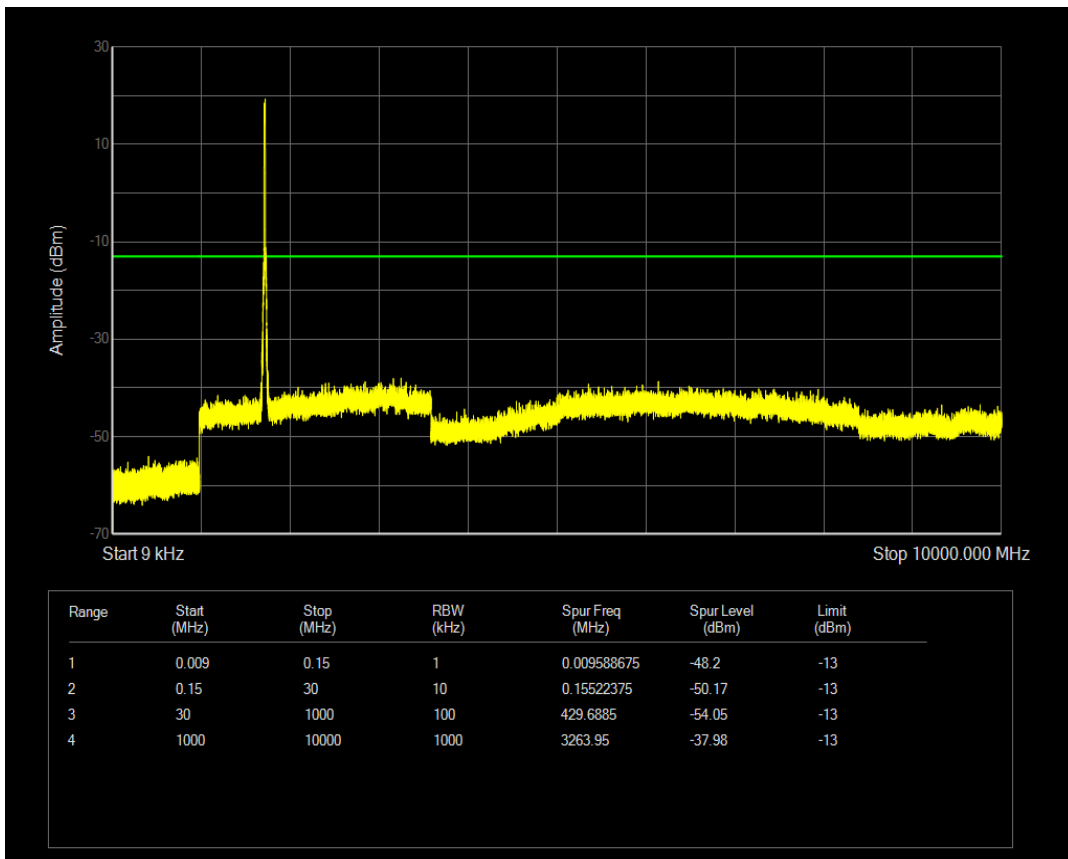


Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0

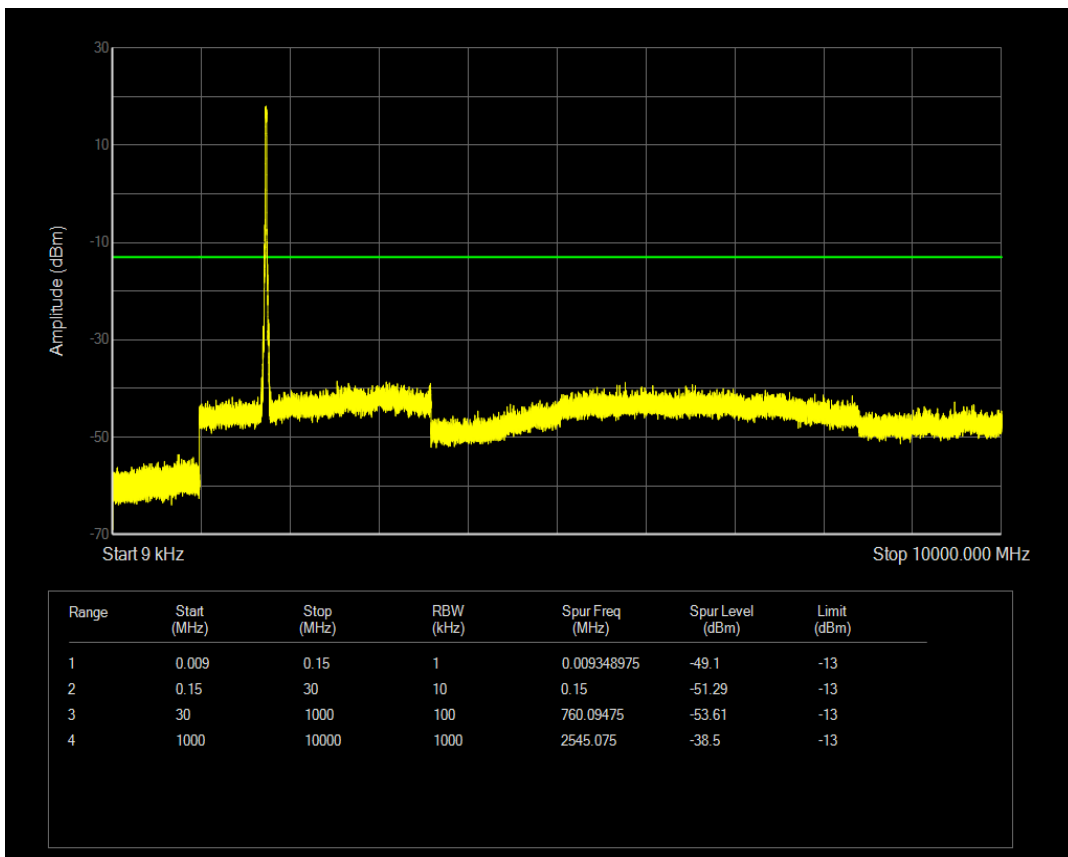


Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0





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



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

