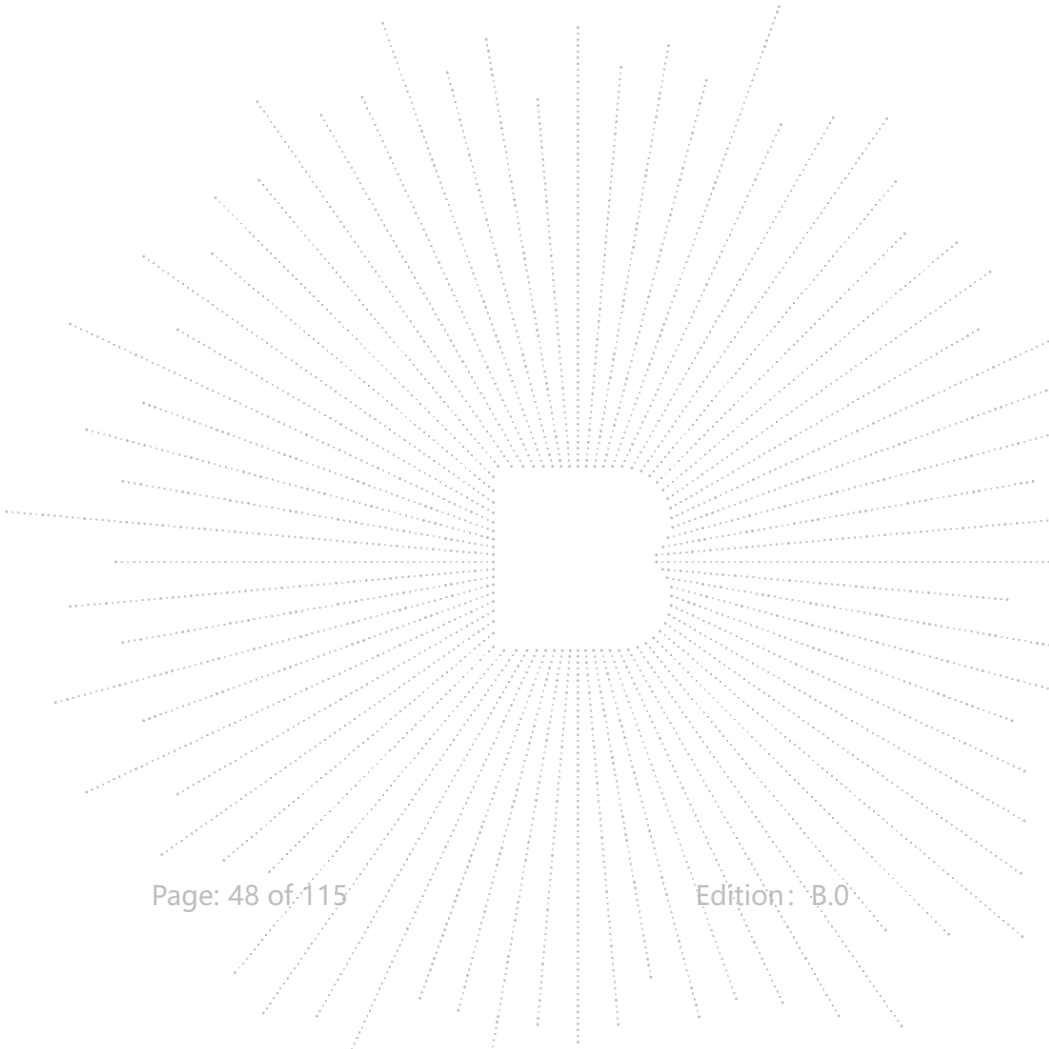
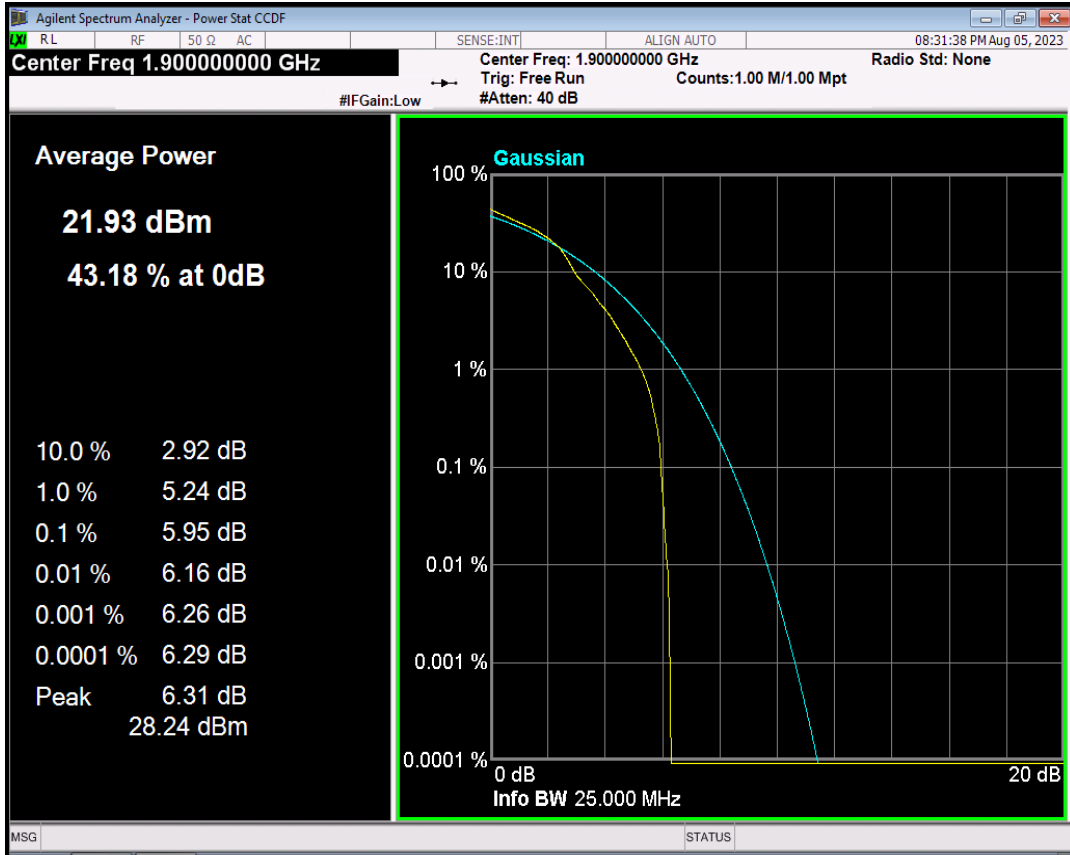




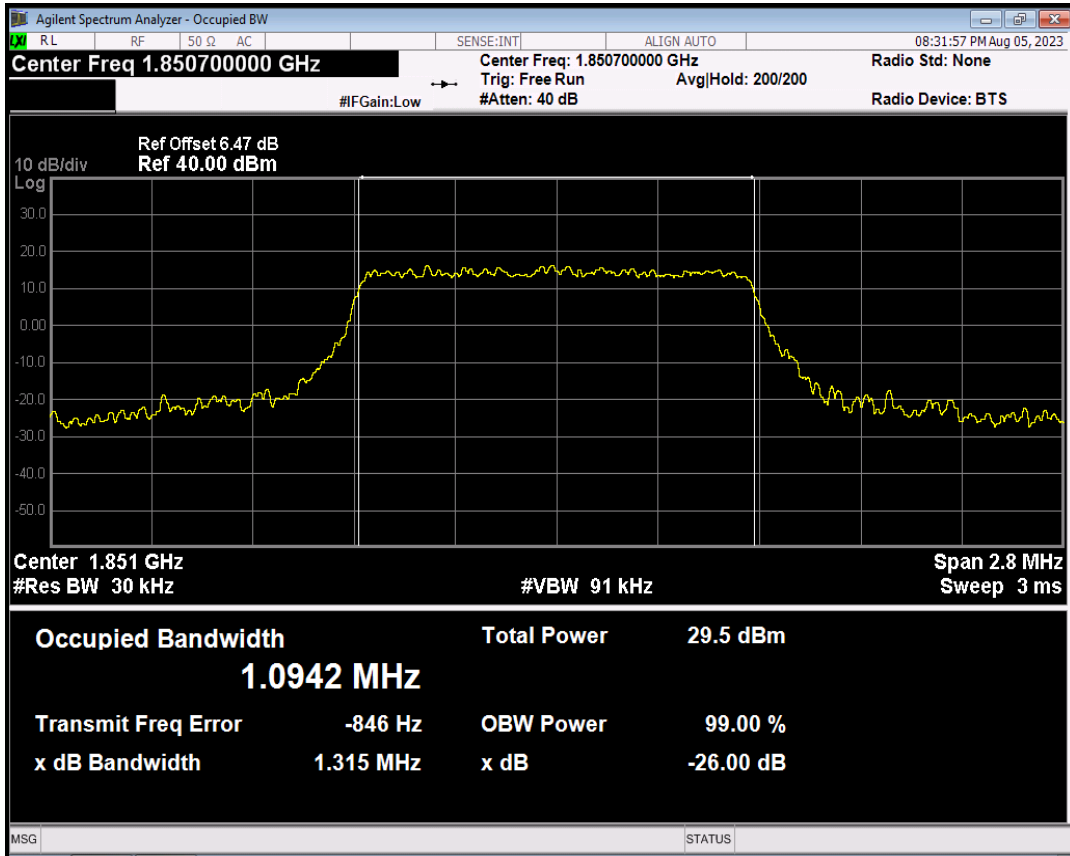
Band2 16QAM BW=20MHz Channel=19100 RB Size=1 Position=#0



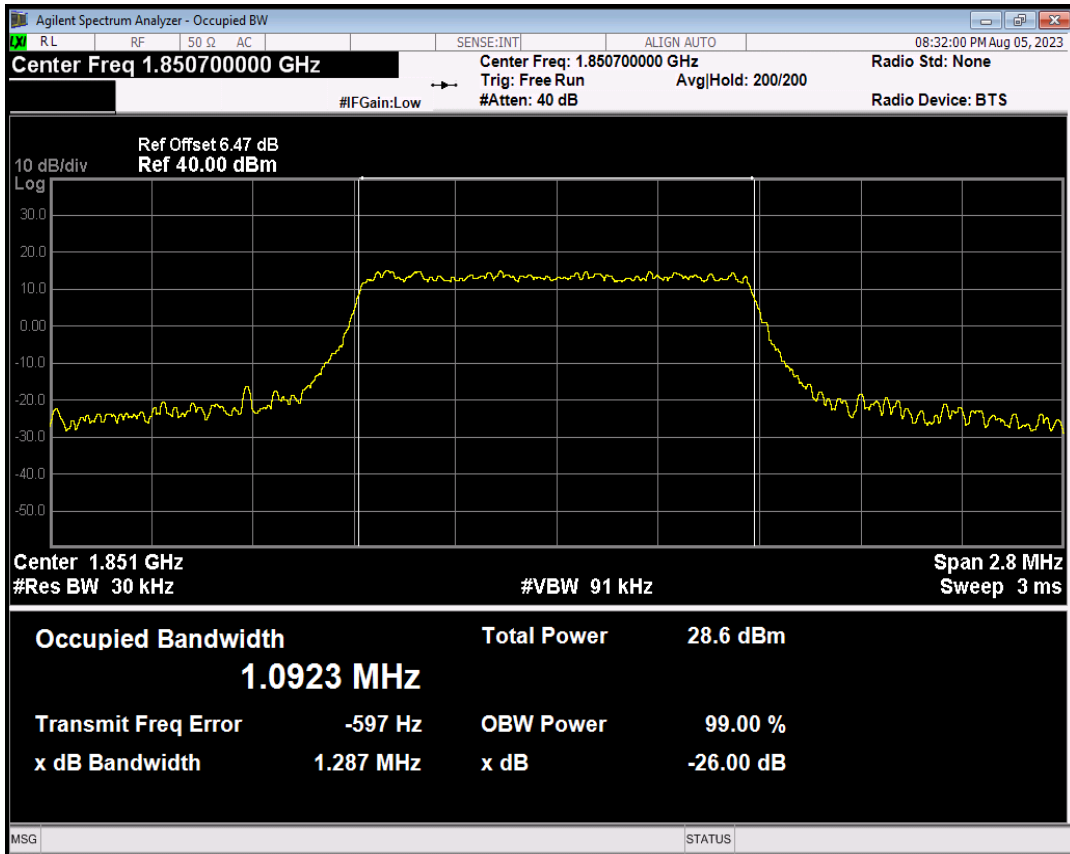
### Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band2	1.4	18607	6	#0	QPSK	1.094	1.315	PASS
Band2	1.4	18607	6	#0	16QAM	1.092	1.287	PASS
Band2	1.4	18900	6	#0	QPSK	1.102	1.283	PASS
Band2	1.4	18900	6	#0	16QAM	1.094	1.303	PASS
Band2	1.4	19193	6	#0	QPSK	1.100	1.302	PASS
Band2	1.4	19193	6	#0	16QAM	1.101	1.309	PASS
Band2	3	18615	15	#0	QPSK	2.703	2.935	PASS
Band2	3	18615	15	#0	16QAM	2.693	2.968	PASS
Band2	3	18900	15	#0	QPSK	2.688	2.931	PASS
Band2	3	18900	15	#0	16QAM	2.695	2.979	PASS
Band2	3	19185	15	#0	QPSK	2.700	2.944	PASS
Band2	3	19185	15	#0	16QAM	2.690	2.957	PASS
Band2	5	18625	25	#0	QPSK	4.514	4.934	PASS
Band2	5	18625	25	#0	16QAM	4.513	4.915	PASS
Band2	5	18900	25	#0	QPSK	4.518	4.966	PASS
Band2	5	18900	25	#0	16QAM	4.510	4.882	PASS
Band2	5	19175	25	#0	QPSK	4.508	4.932	PASS
Band2	5	19175	25	#0	16QAM	4.533	4.894	PASS
Band2	10	18650	50	#0	QPSK	8.973	9.789	PASS
Band2	10	18650	50	#0	16QAM	8.962	9.728	PASS
Band2	10	18900	50	#0	QPSK	8.986	9.728	PASS
Band2	10	18900	50	#0	16QAM	8.980	9.659	PASS
Band2	10	19150	50	#0	QPSK	8.994	9.821	PASS
Band2	10	19150	50	#0	16QAM	9.006	9.662	PASS
Band2	15	18675	75	#0	QPSK	13.446	14.651	PASS
Band2	15	18675	75	#0	16QAM	13.472	14.504	PASS
Band2	15	18900	75	#0	QPSK	13.449	14.546	PASS
Band2	15	18900	75	#0	16QAM	13.463	14.581	PASS
Band2	15	19125	75	#0	QPSK	13.483	14.473	PASS
Band2	15	19125	75	#0	16QAM	13.528	14.507	PASS
Band2	20	18700	100	#0	QPSK	17.959	19.316	PASS
Band2	20	18700	100	#0	16QAM	17.997	19.336	PASS
Band2	20	18900	100	#0	QPSK	17.949	19.302	PASS
Band2	20	18900	100	#0	16QAM	17.985	19.163	PASS
Band2	20	19100	100	#0	QPSK	17.961	19.519	PASS
Band2	20	19100	100	#0	16QAM	17.992	19.189	PASS

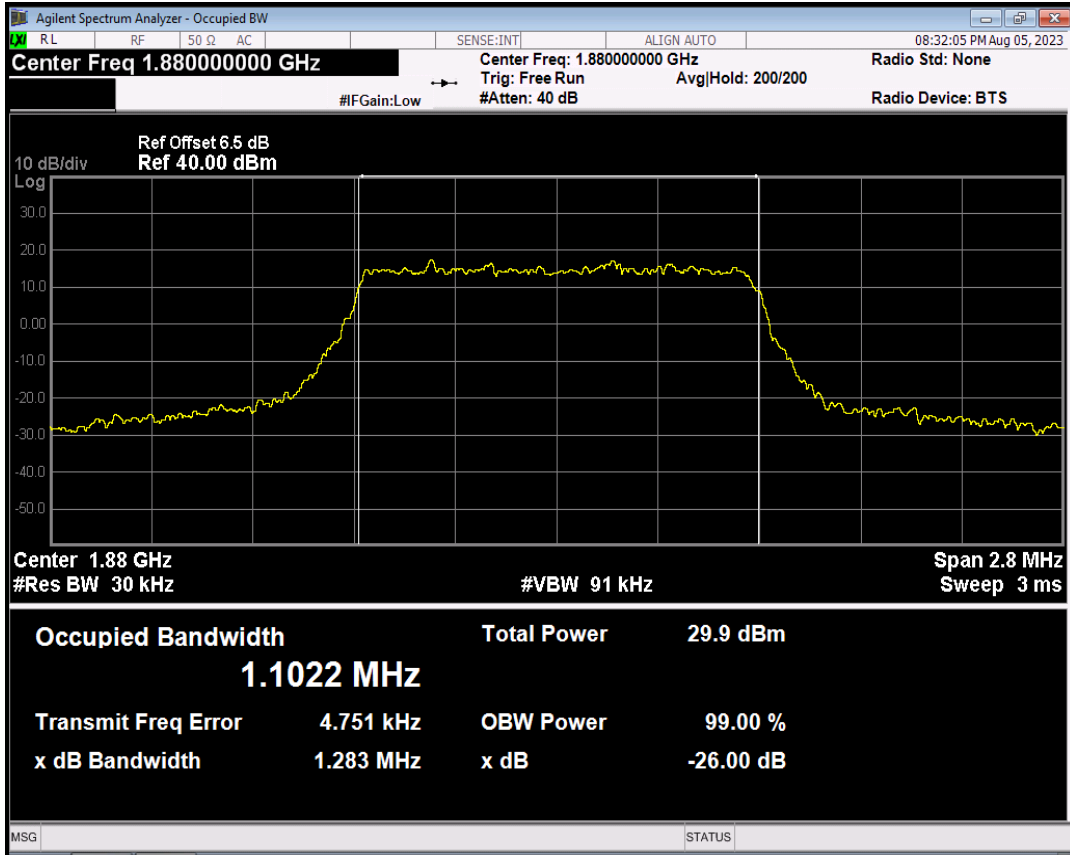
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



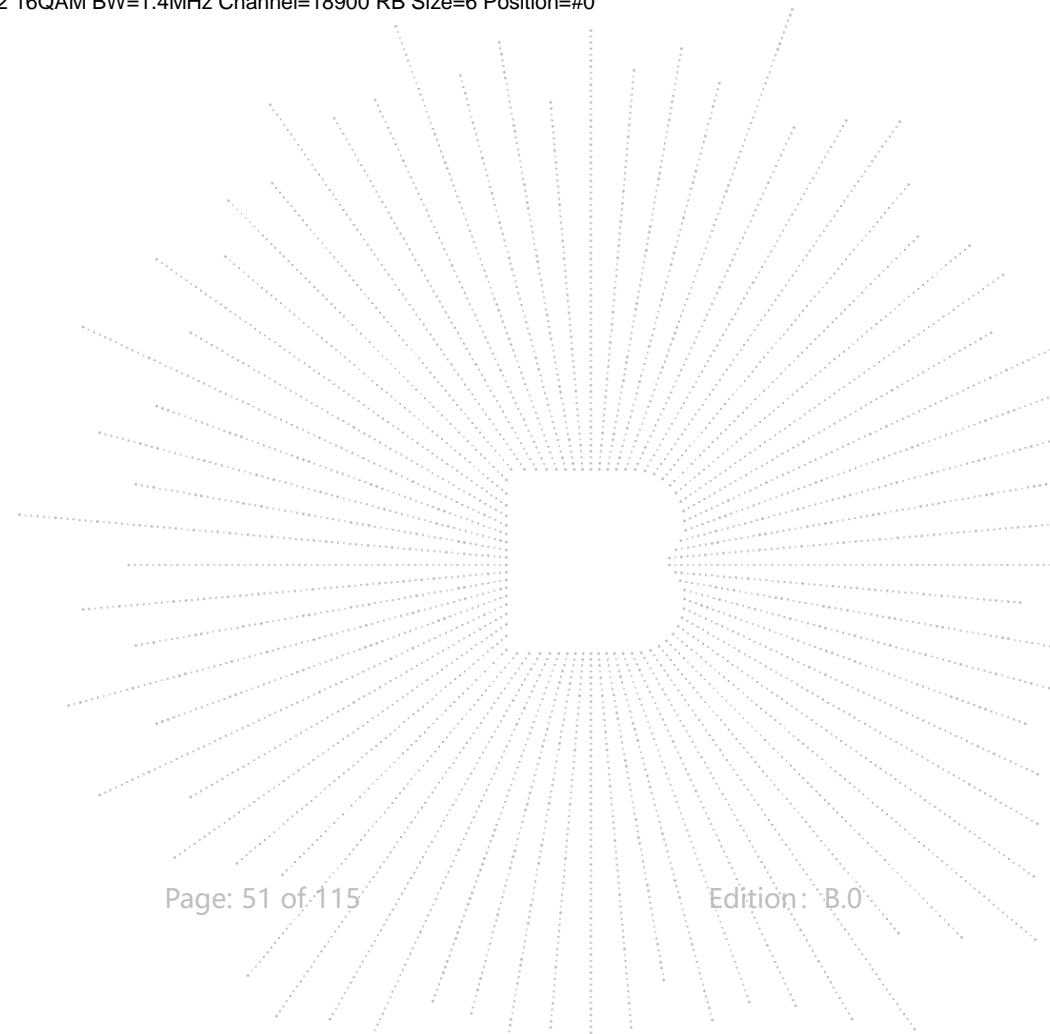
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0

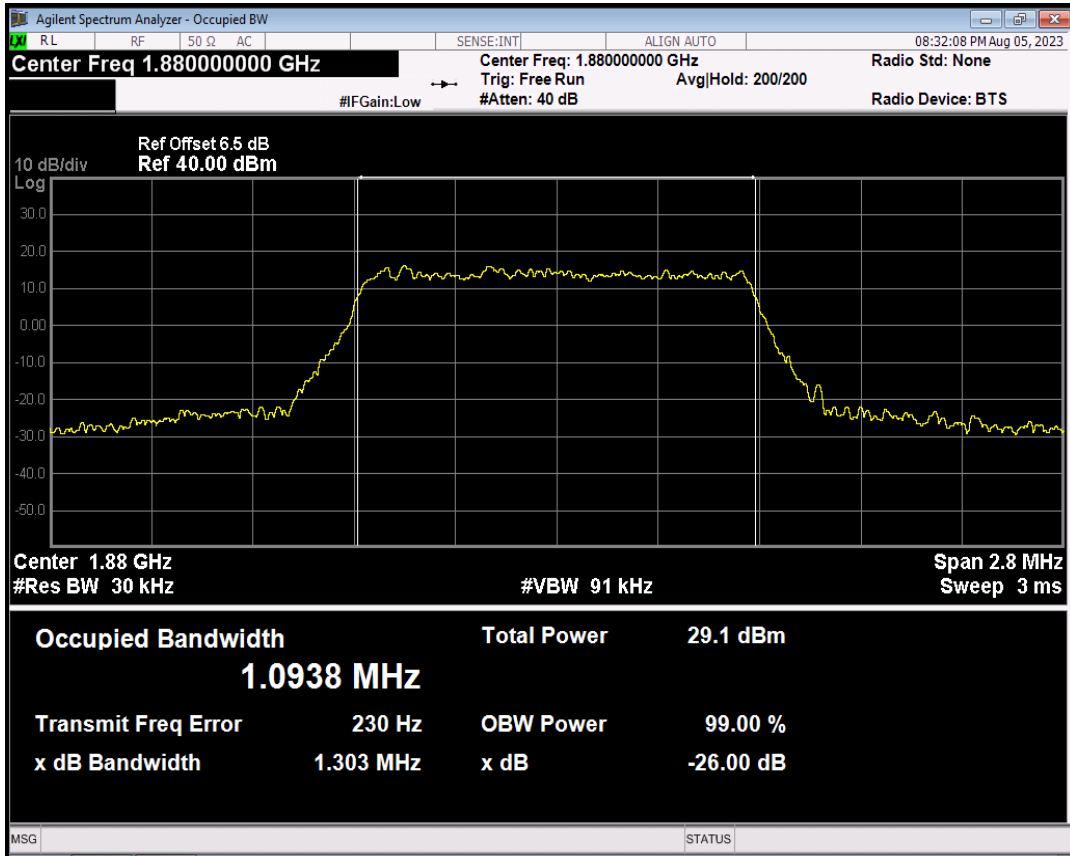


Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0

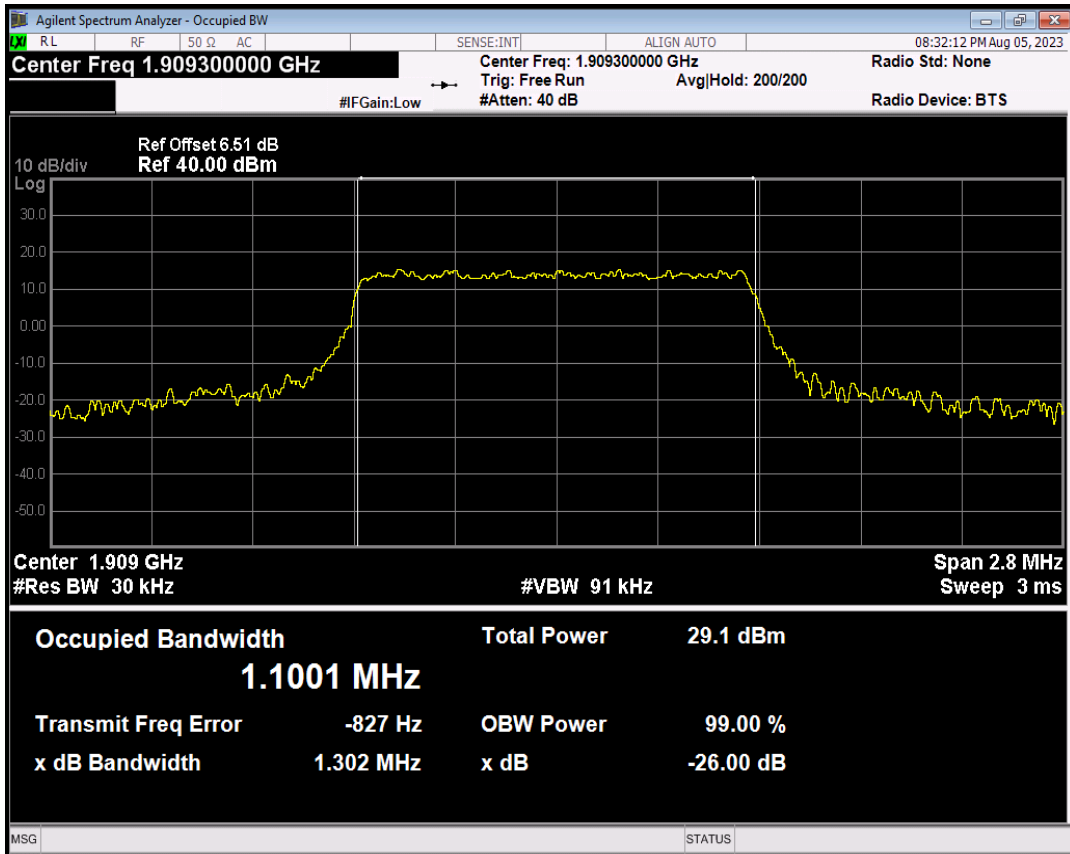


Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0

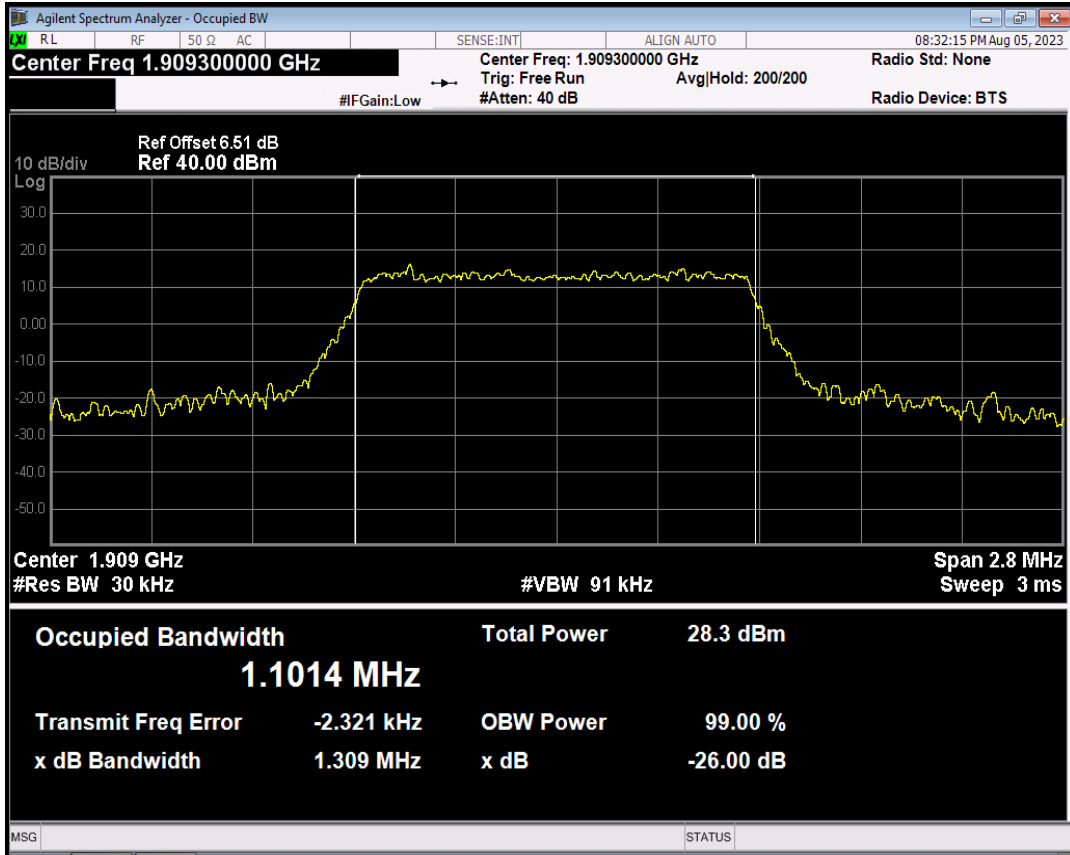




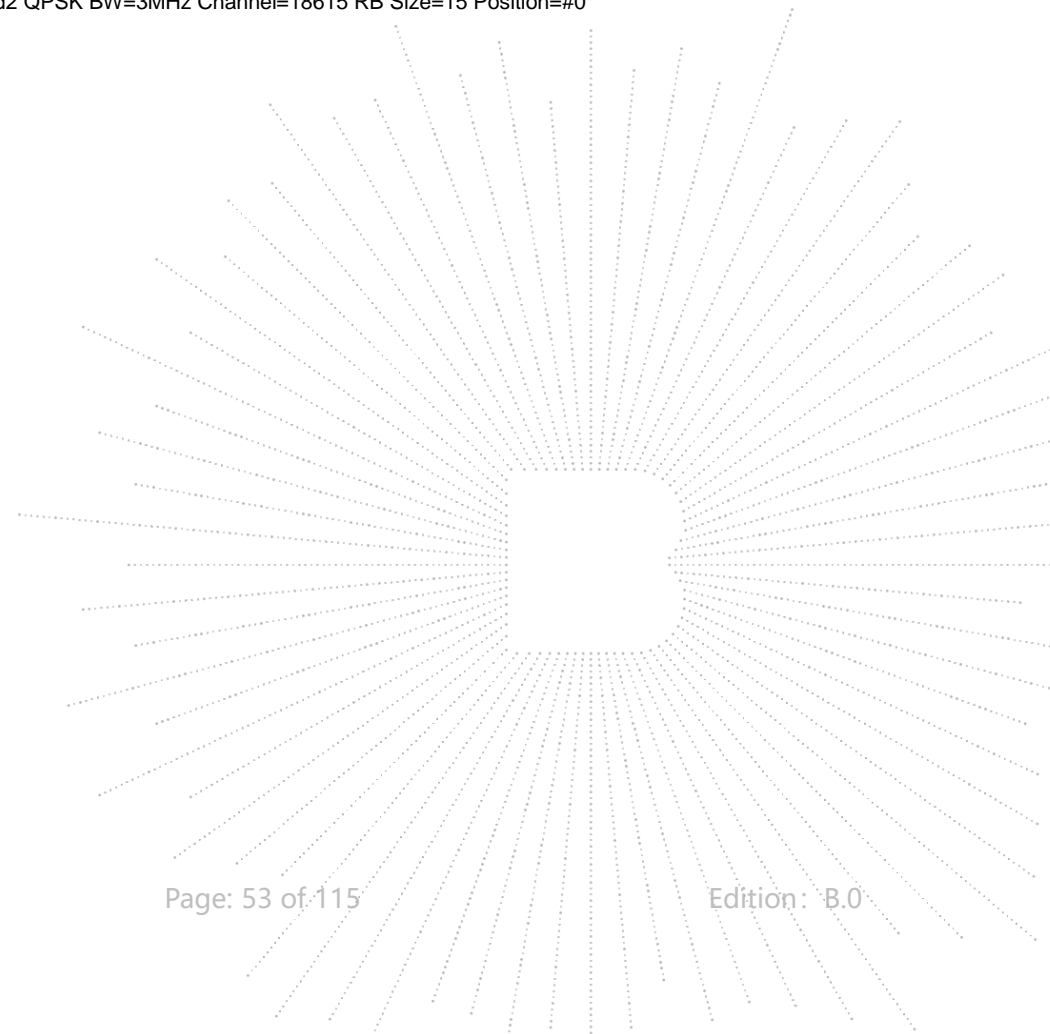
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0

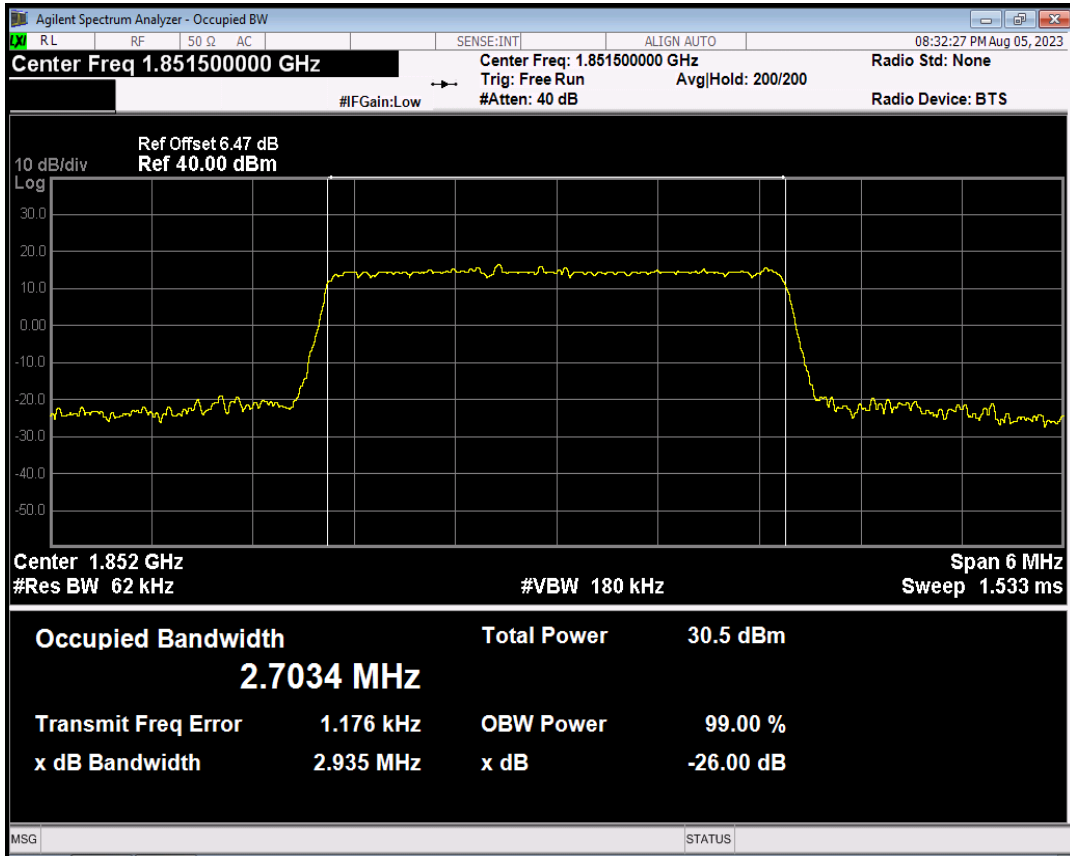


Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0

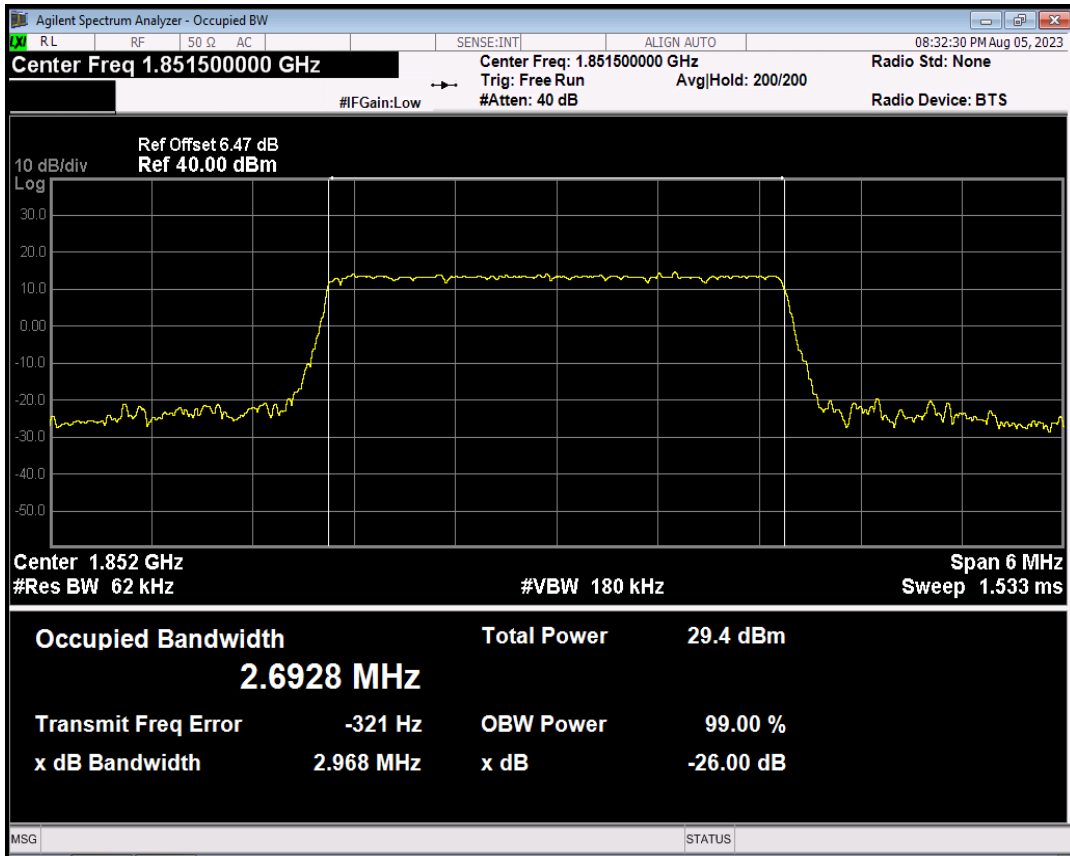


Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0

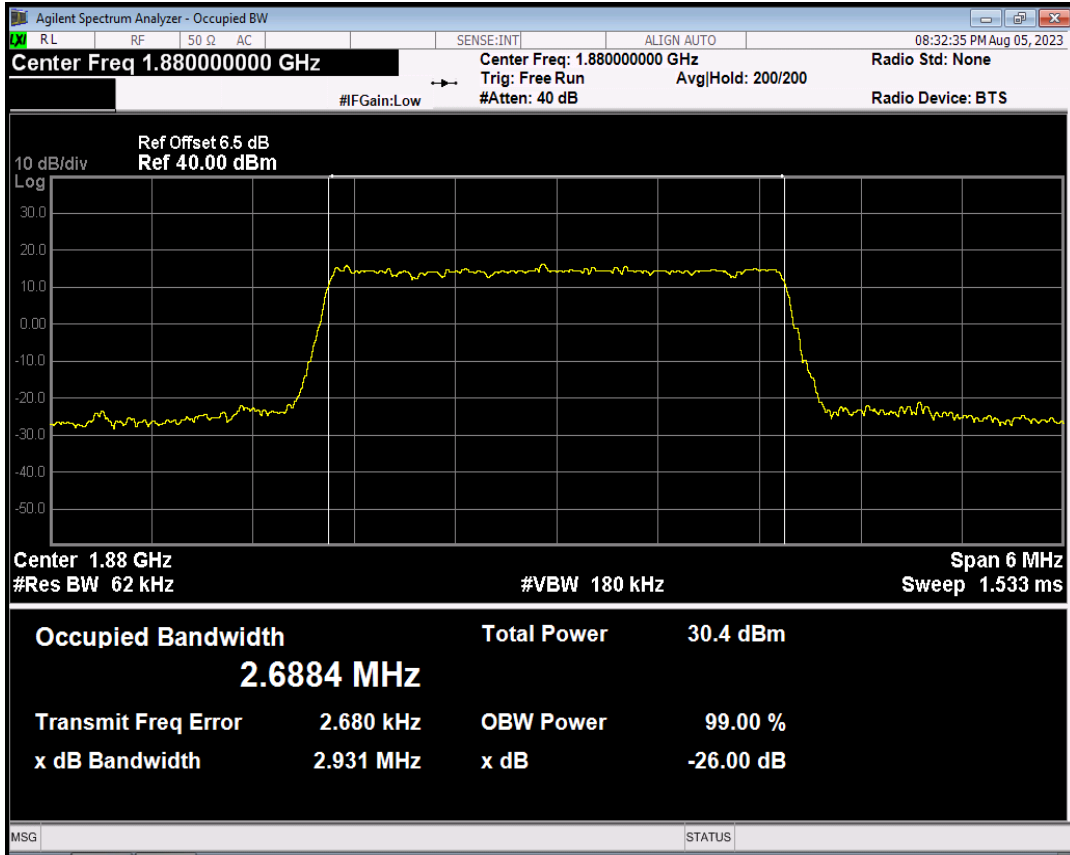




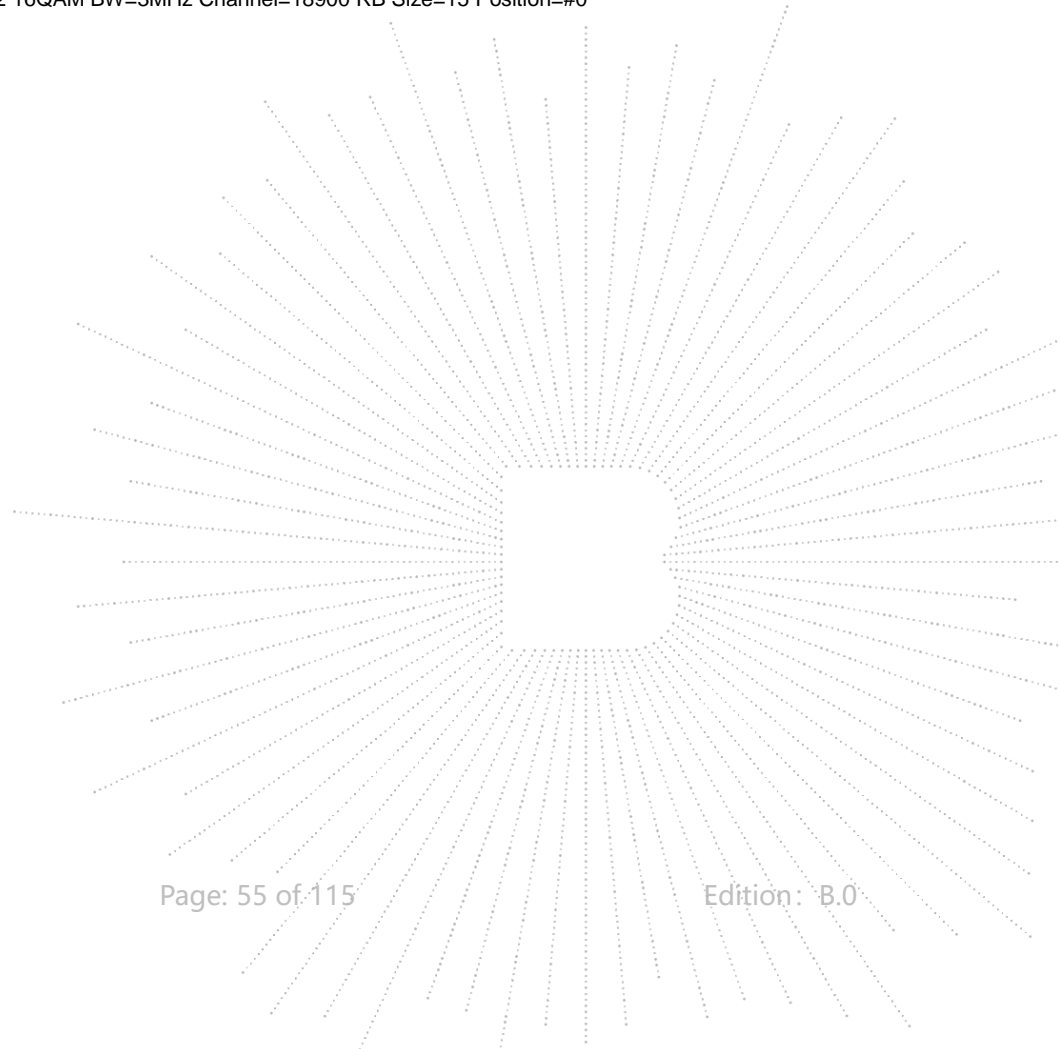
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



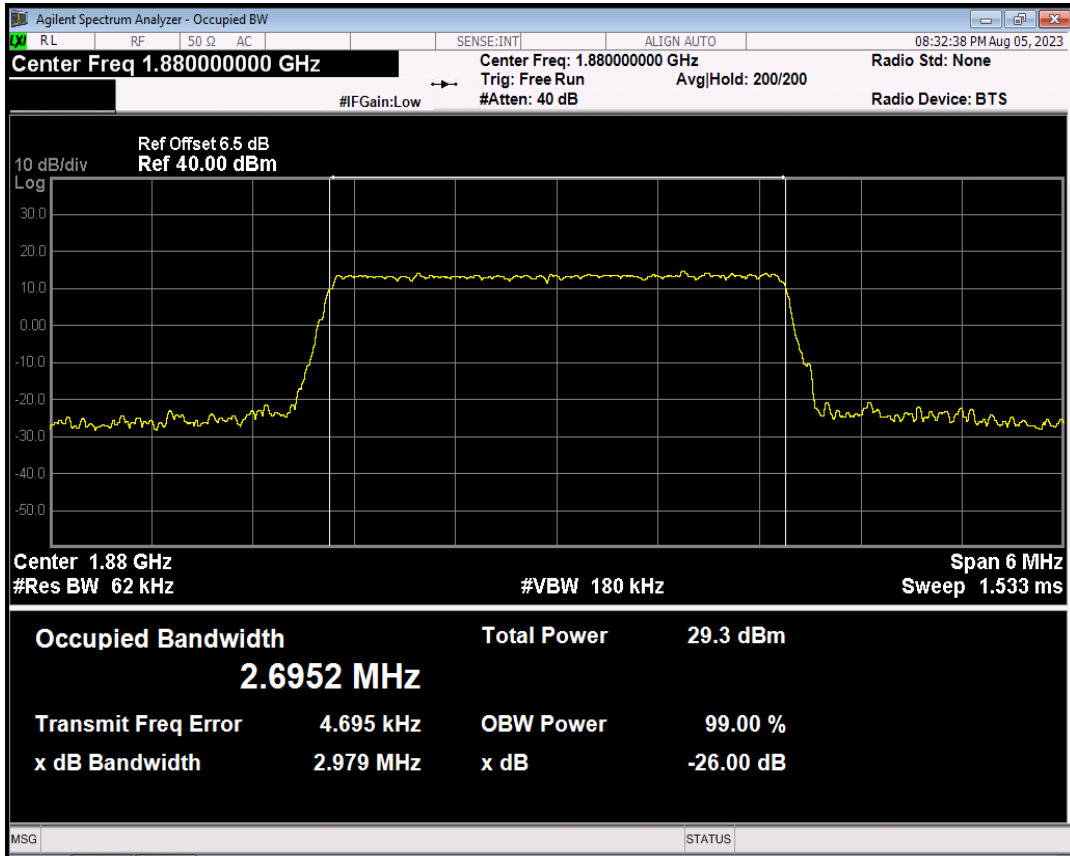
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



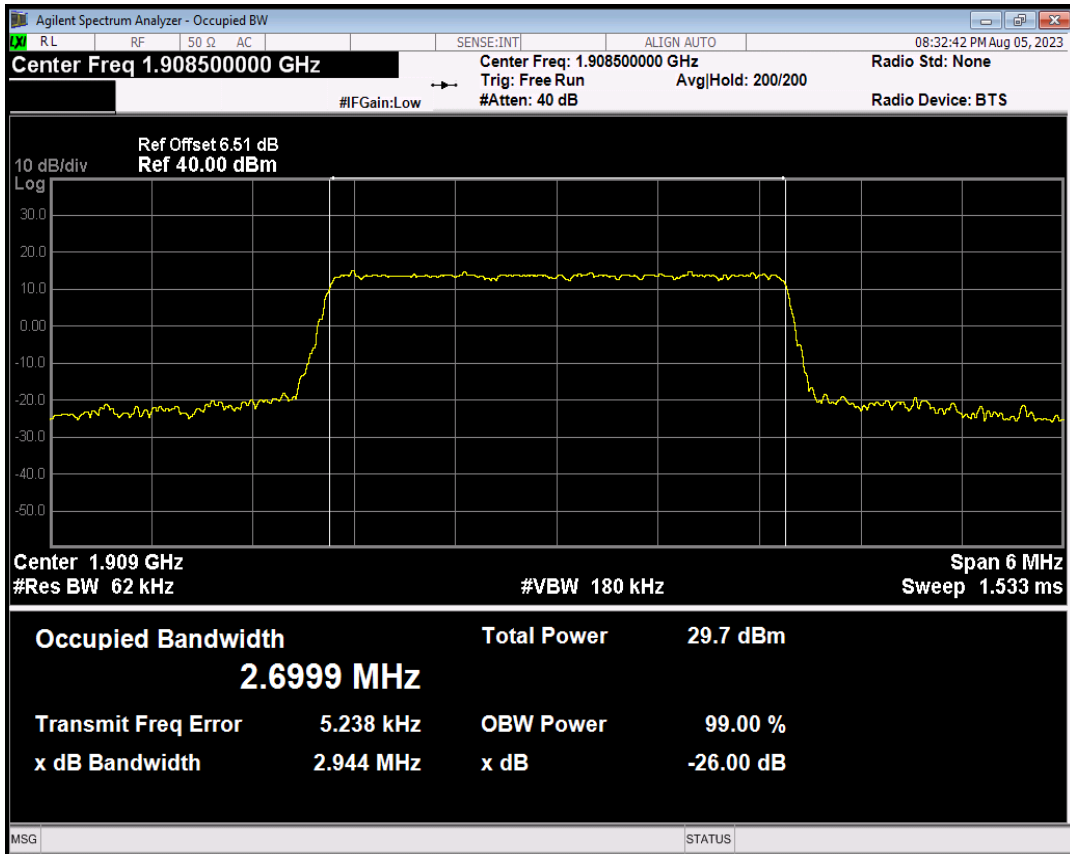
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0





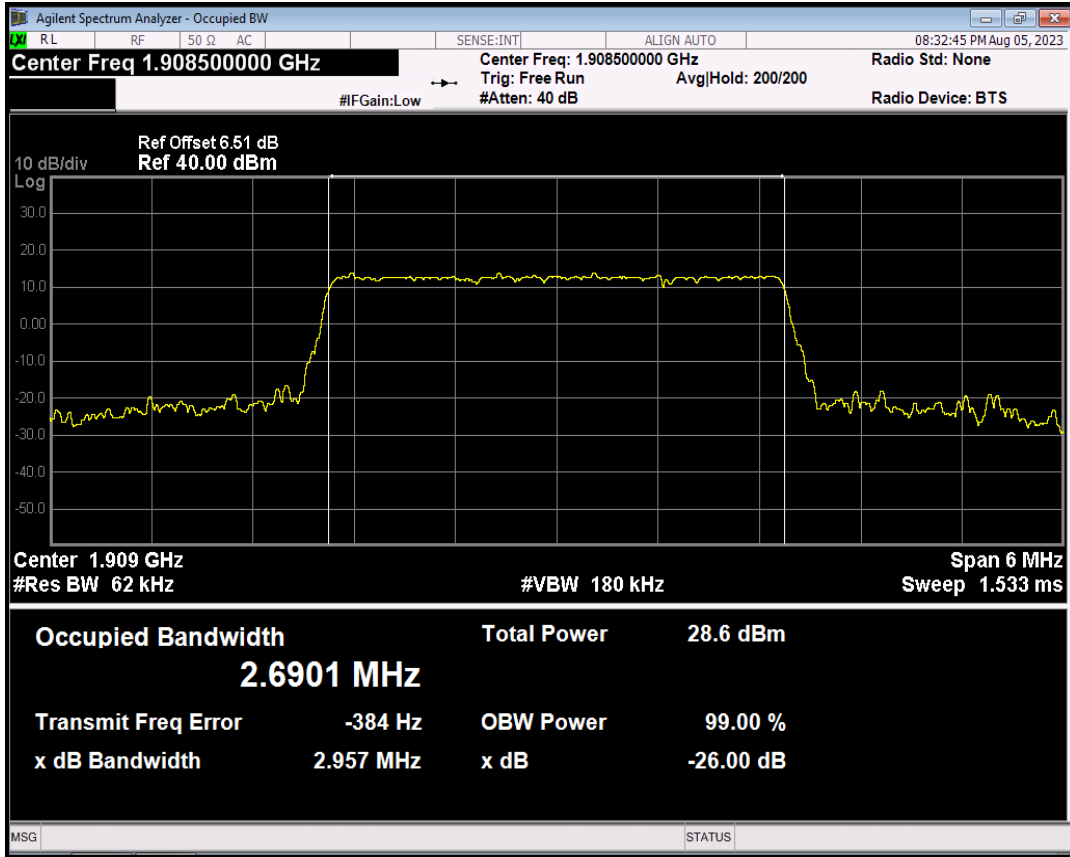


Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0

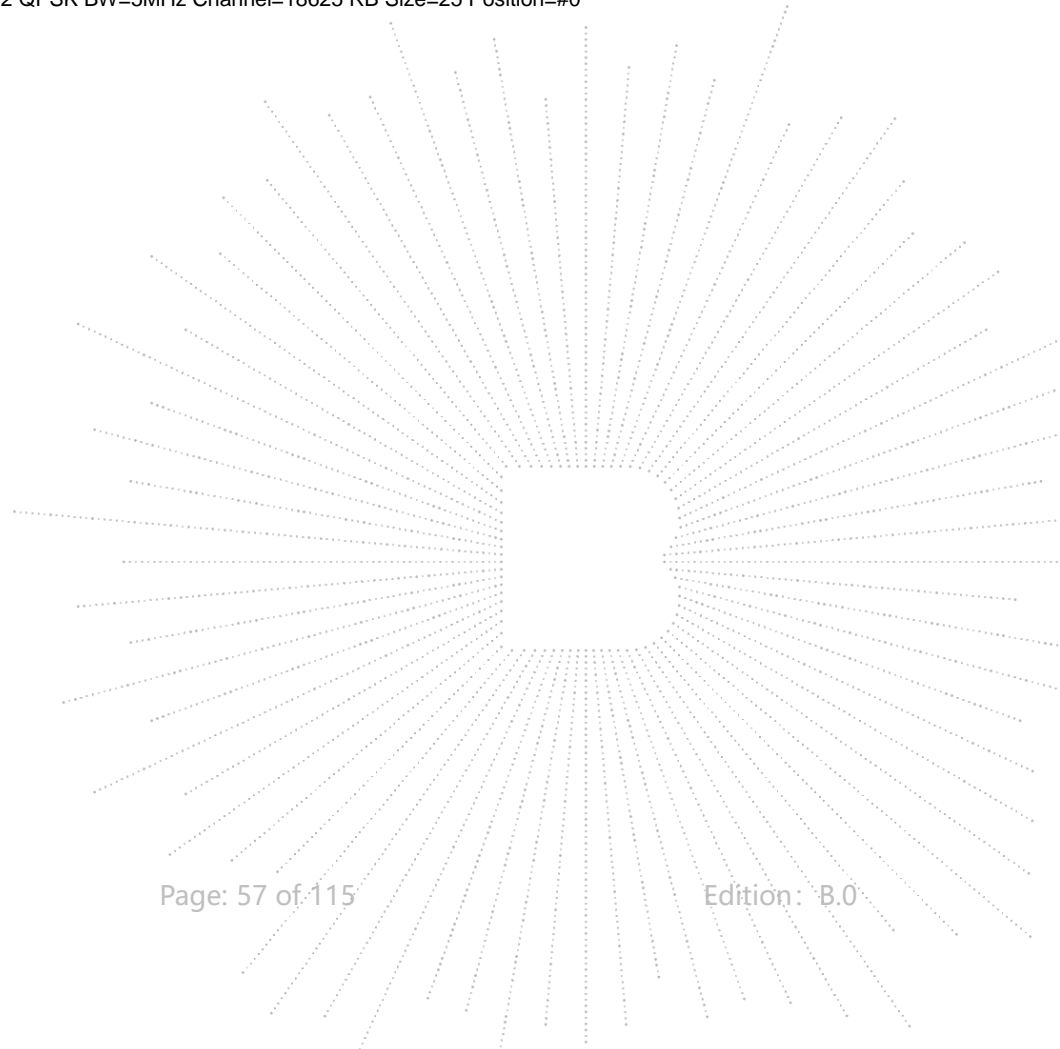


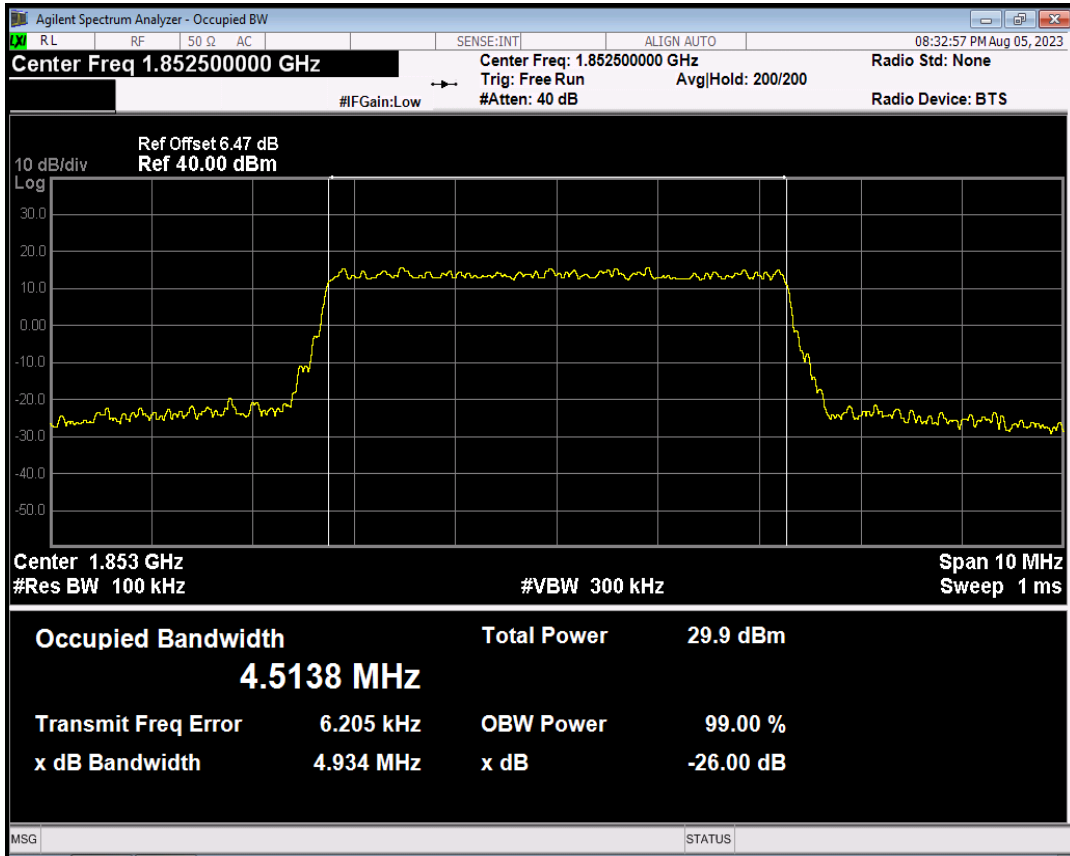


Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0

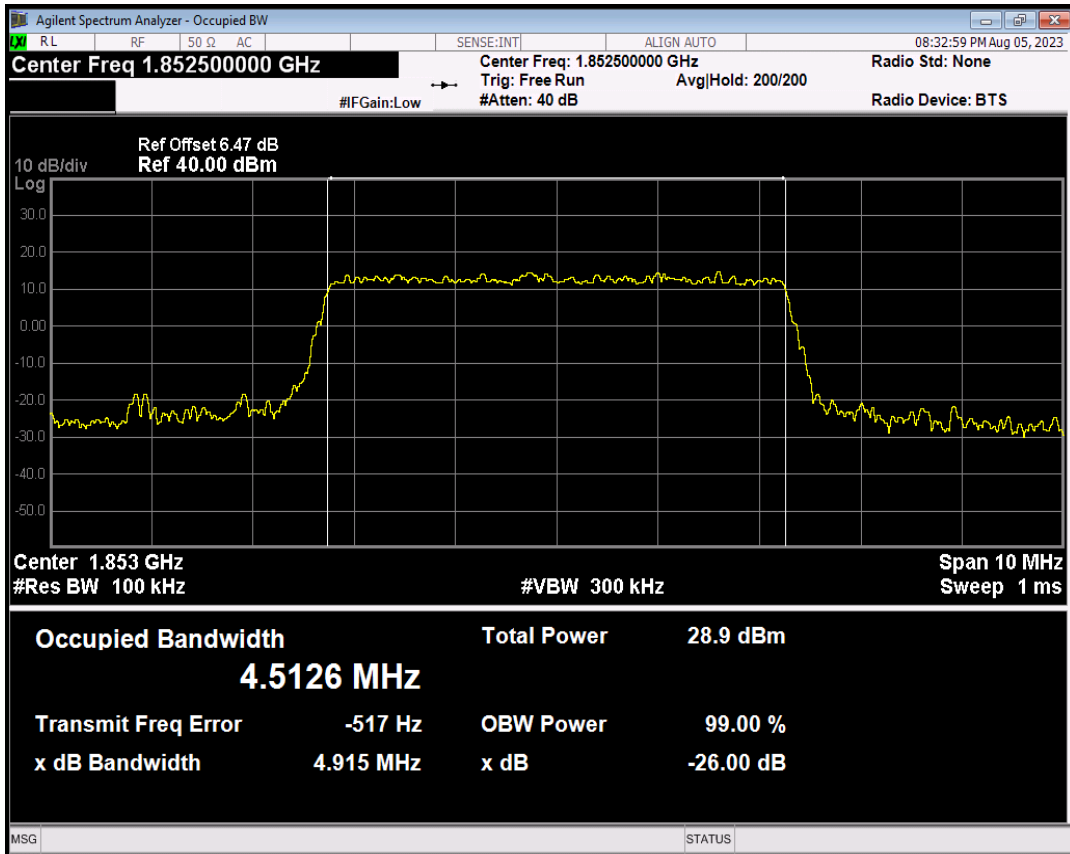


Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0

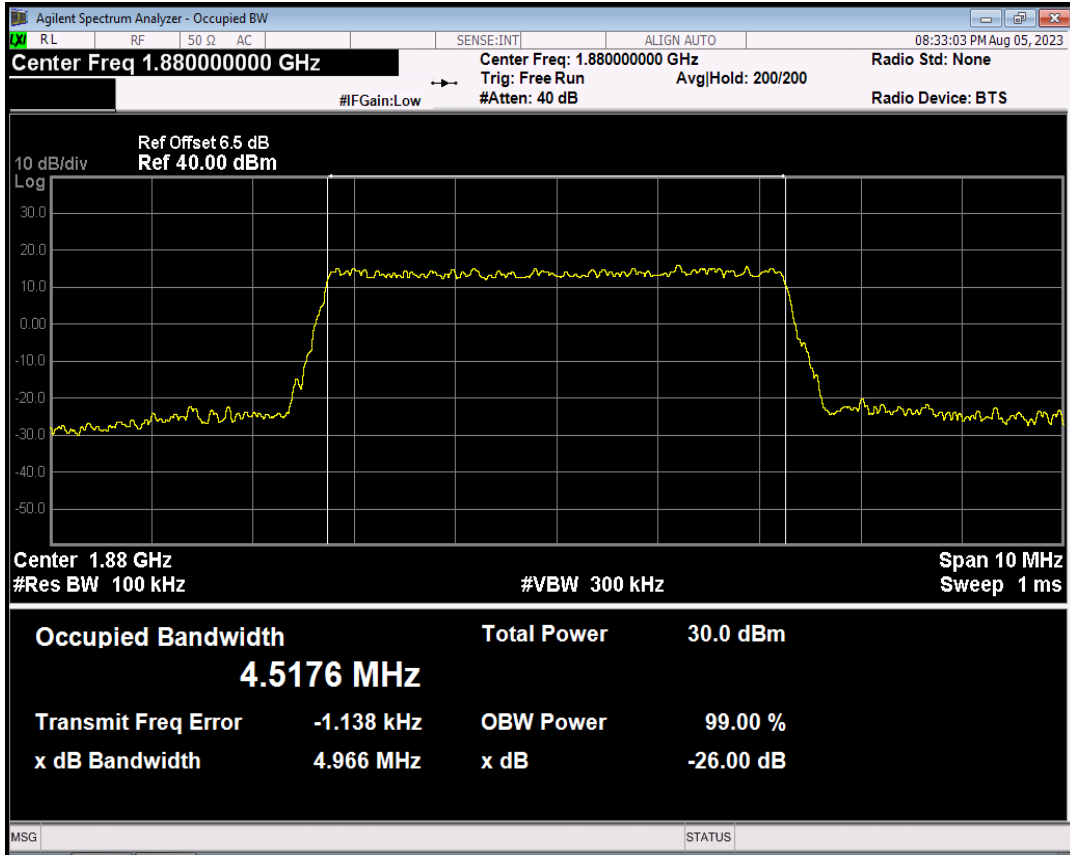




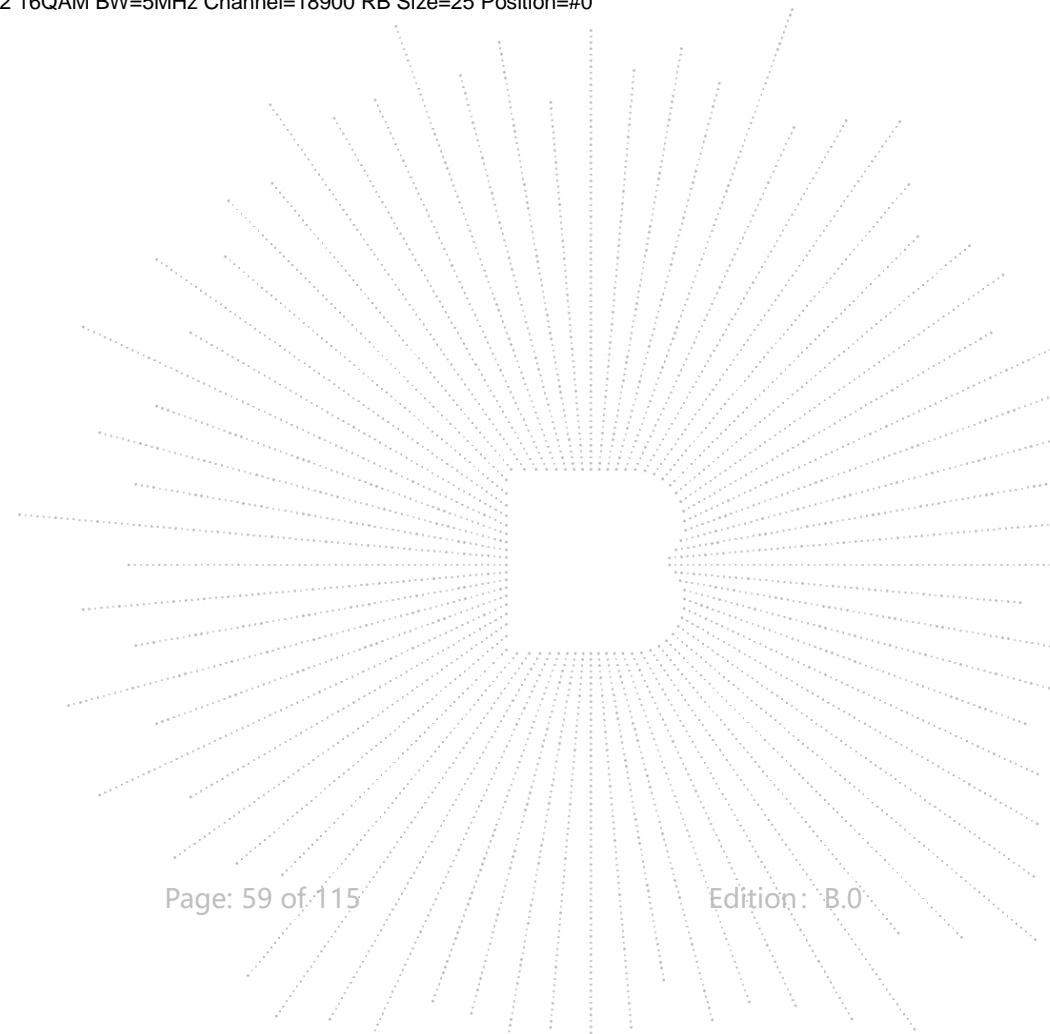
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0

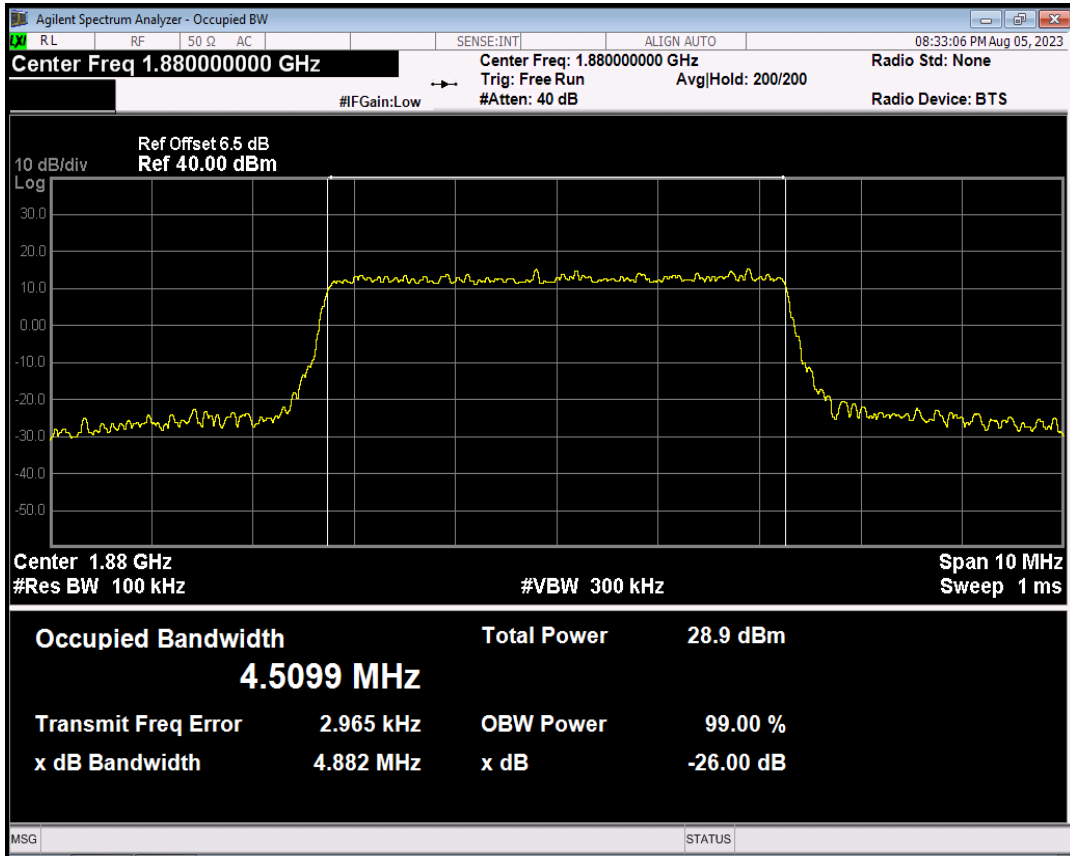


Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0

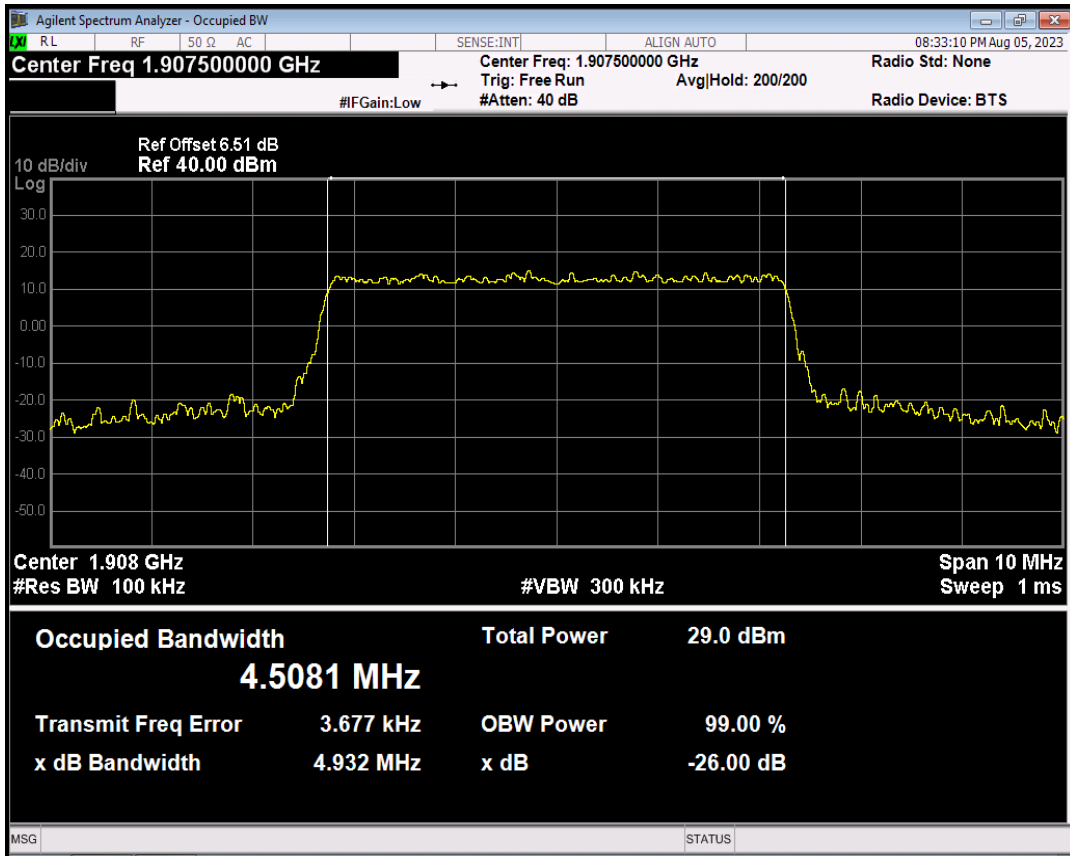


Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0

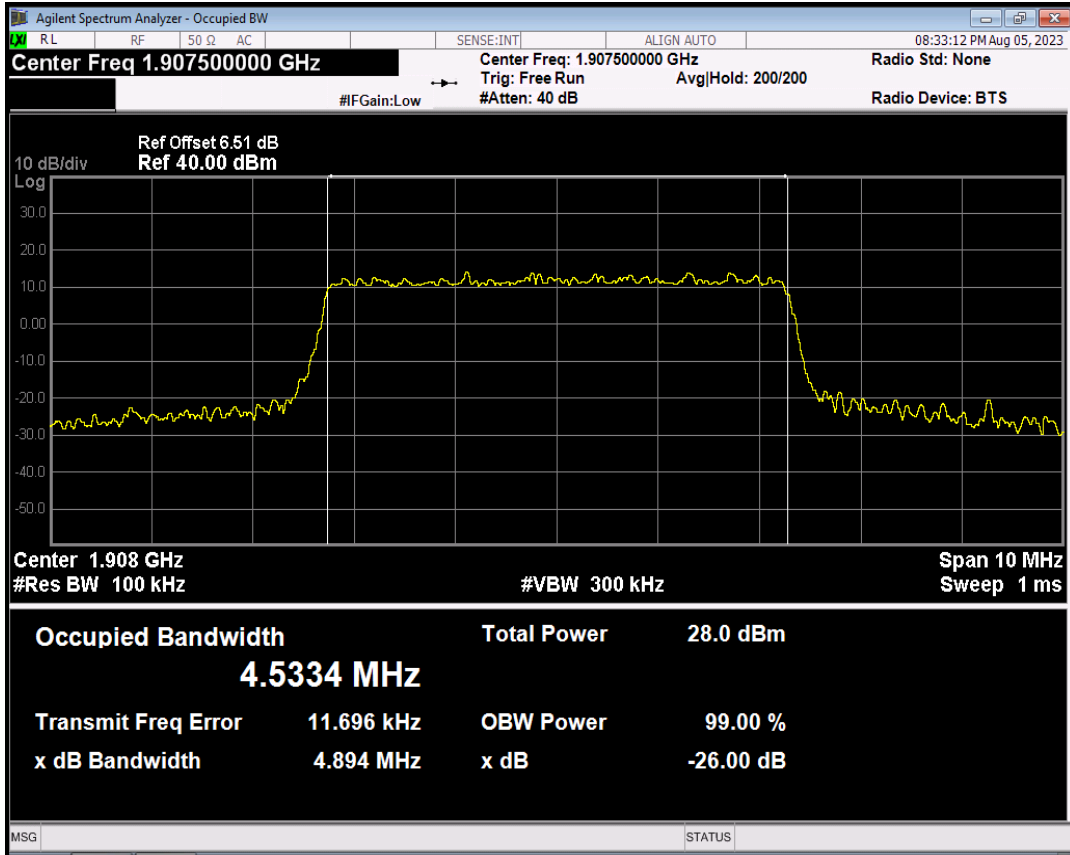




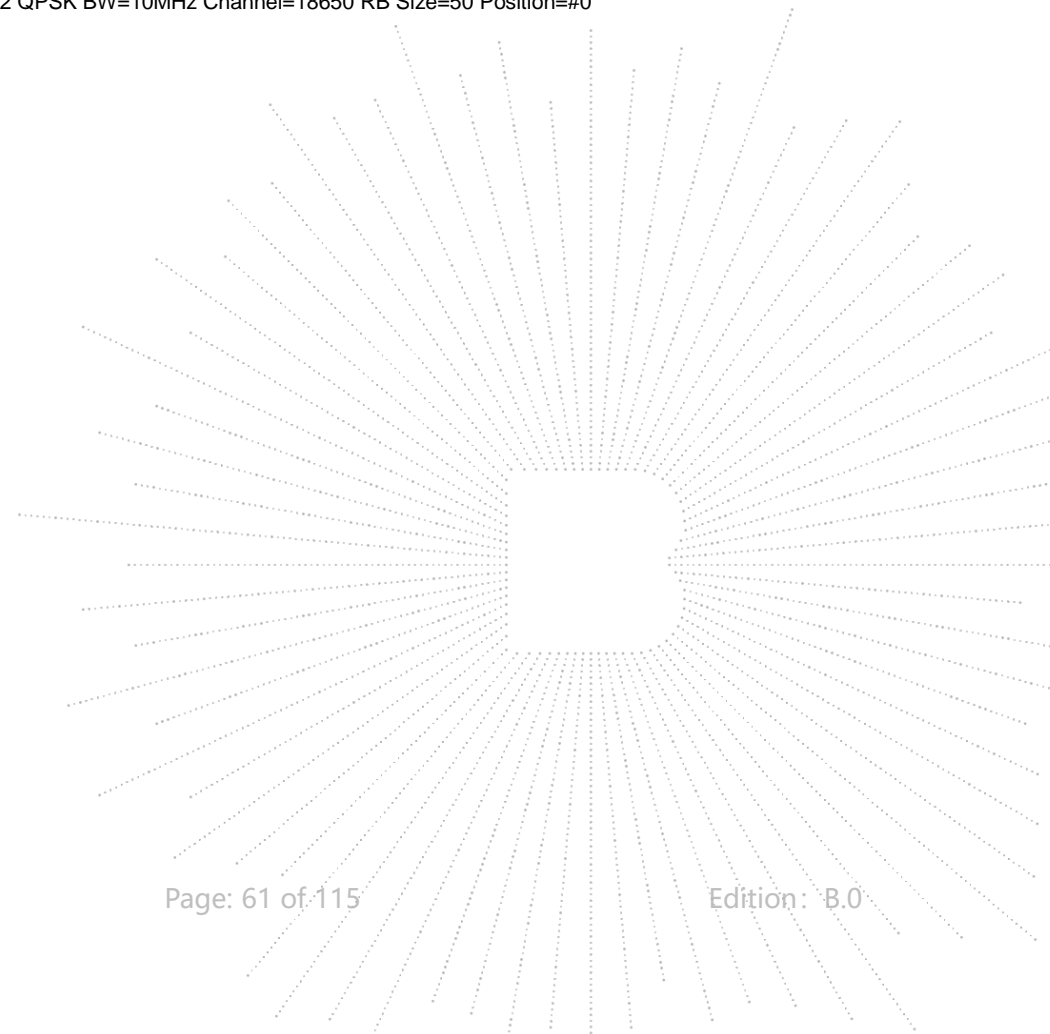
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

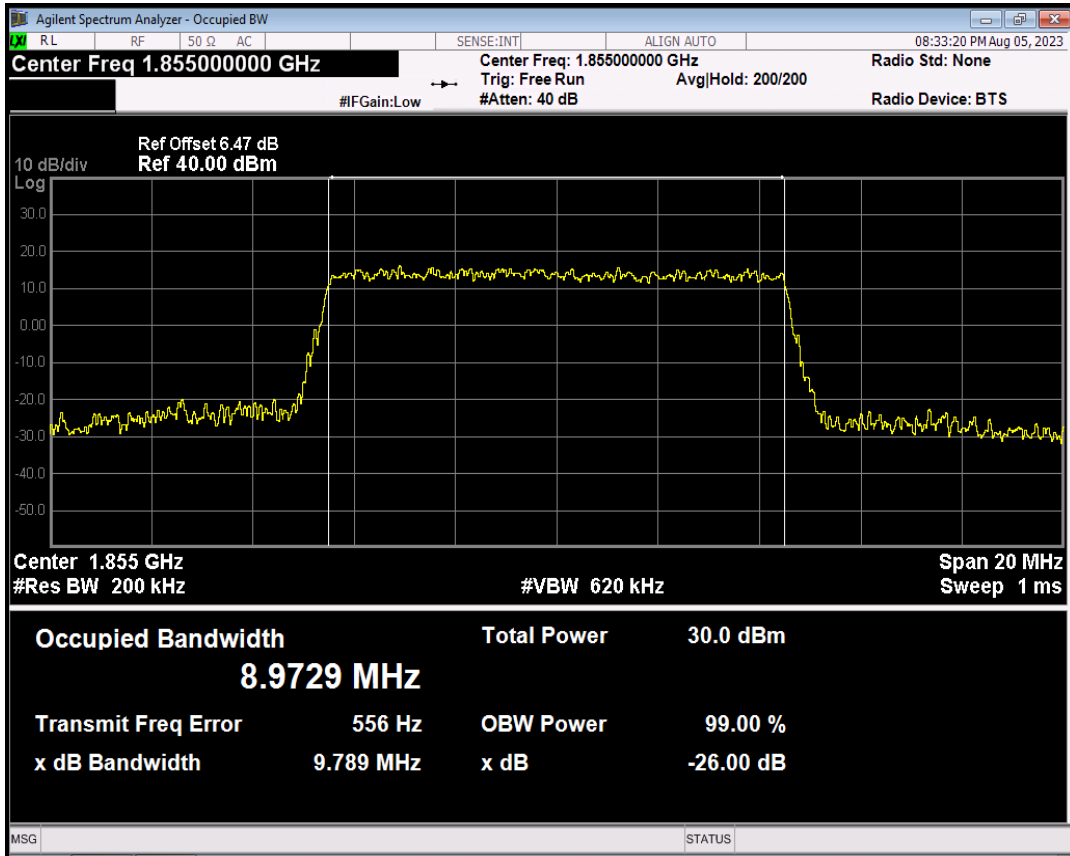


Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0

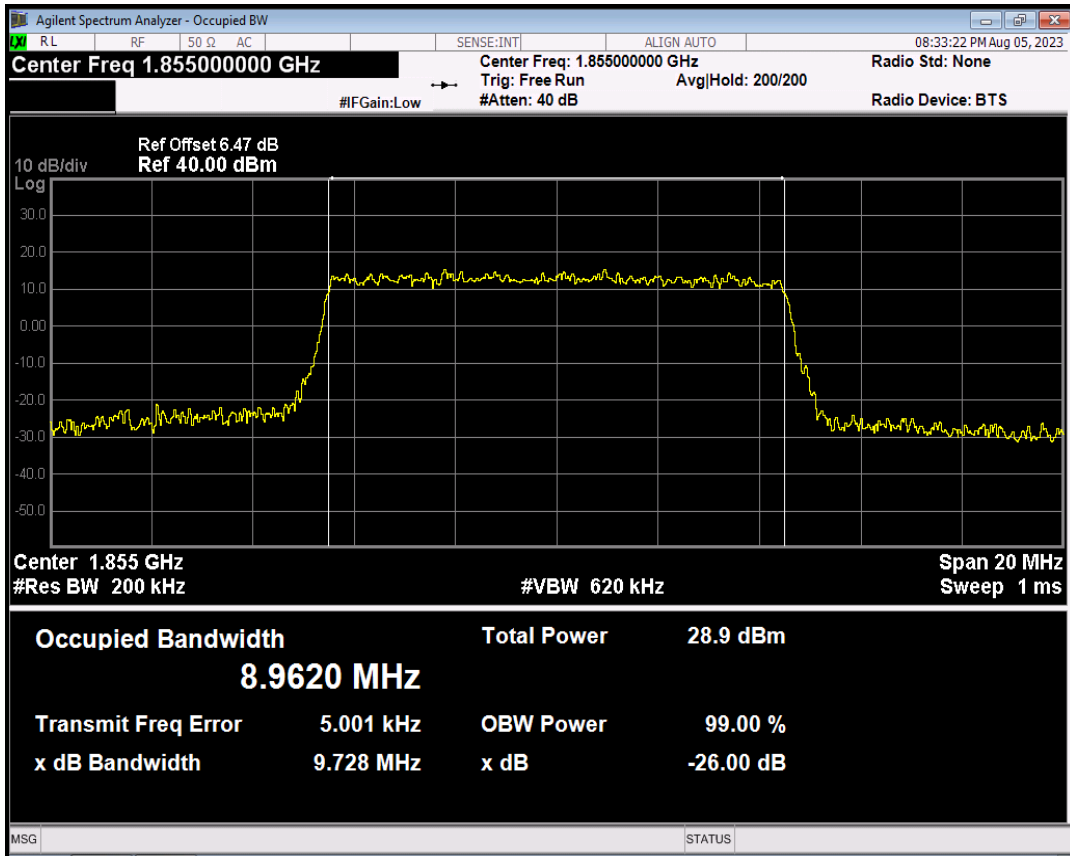


Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



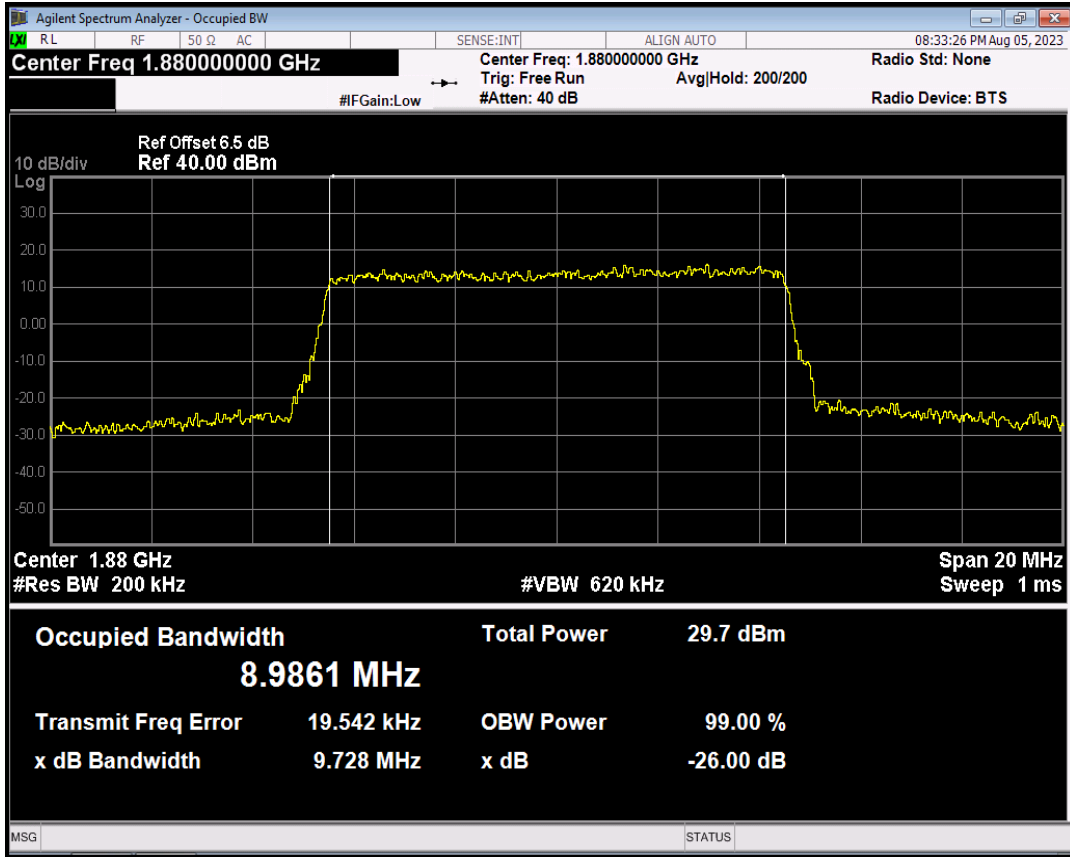


Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0

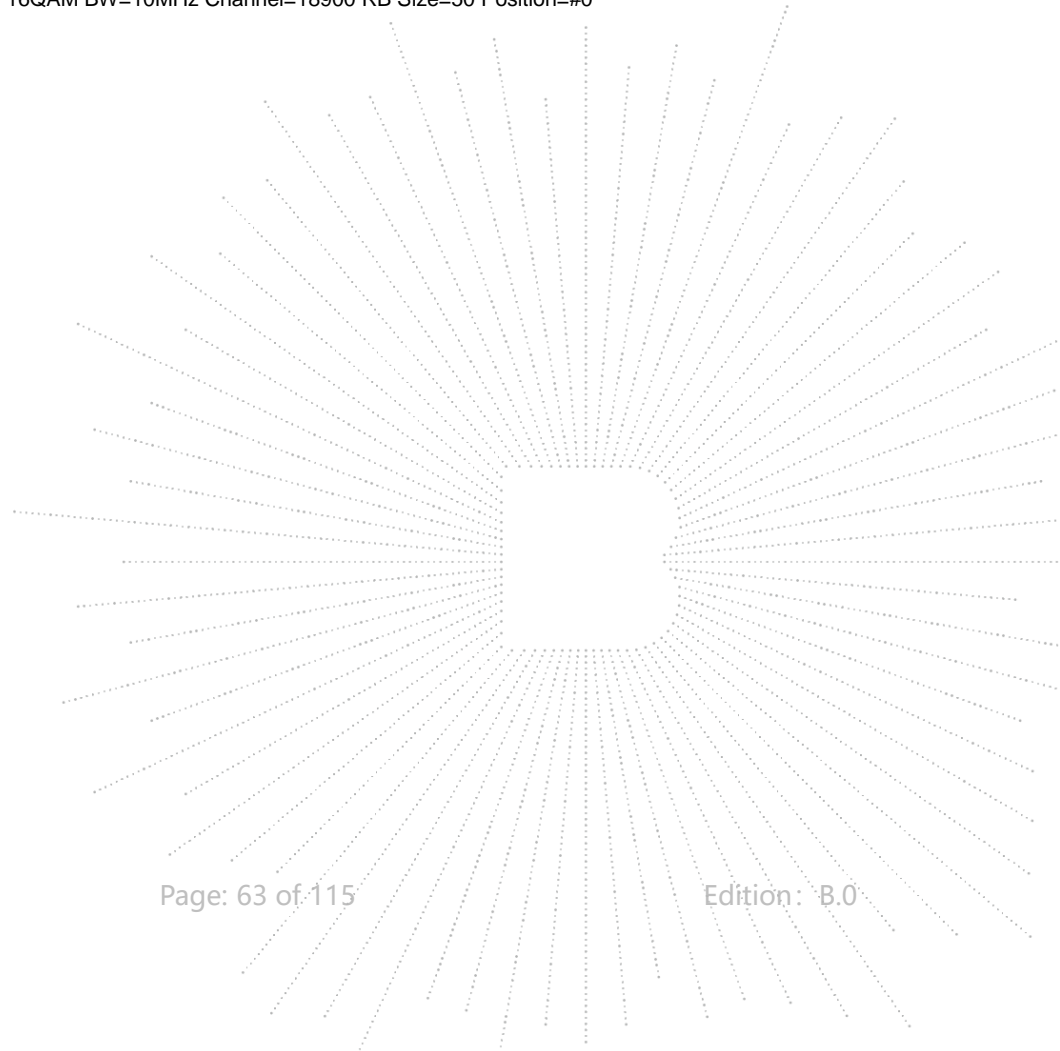




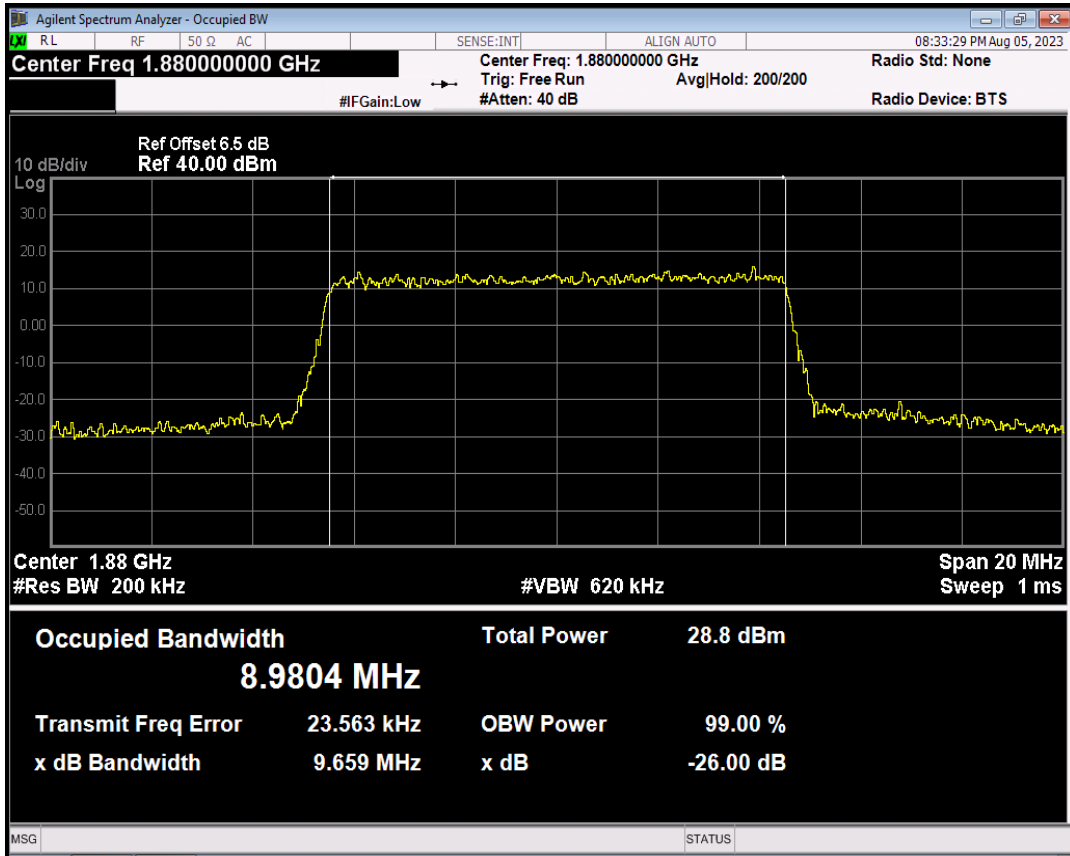
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



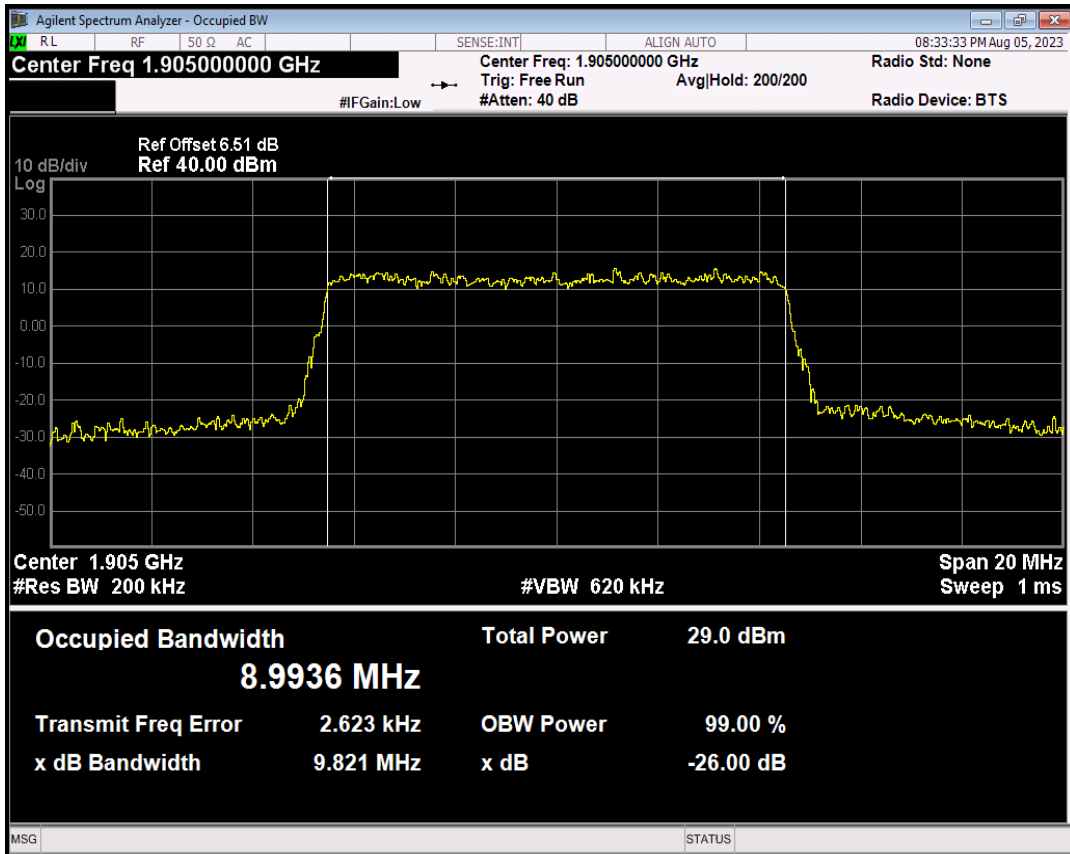
Band2 16QAM BW=10MHz Channel=18900 RB Size=50 Position=#0



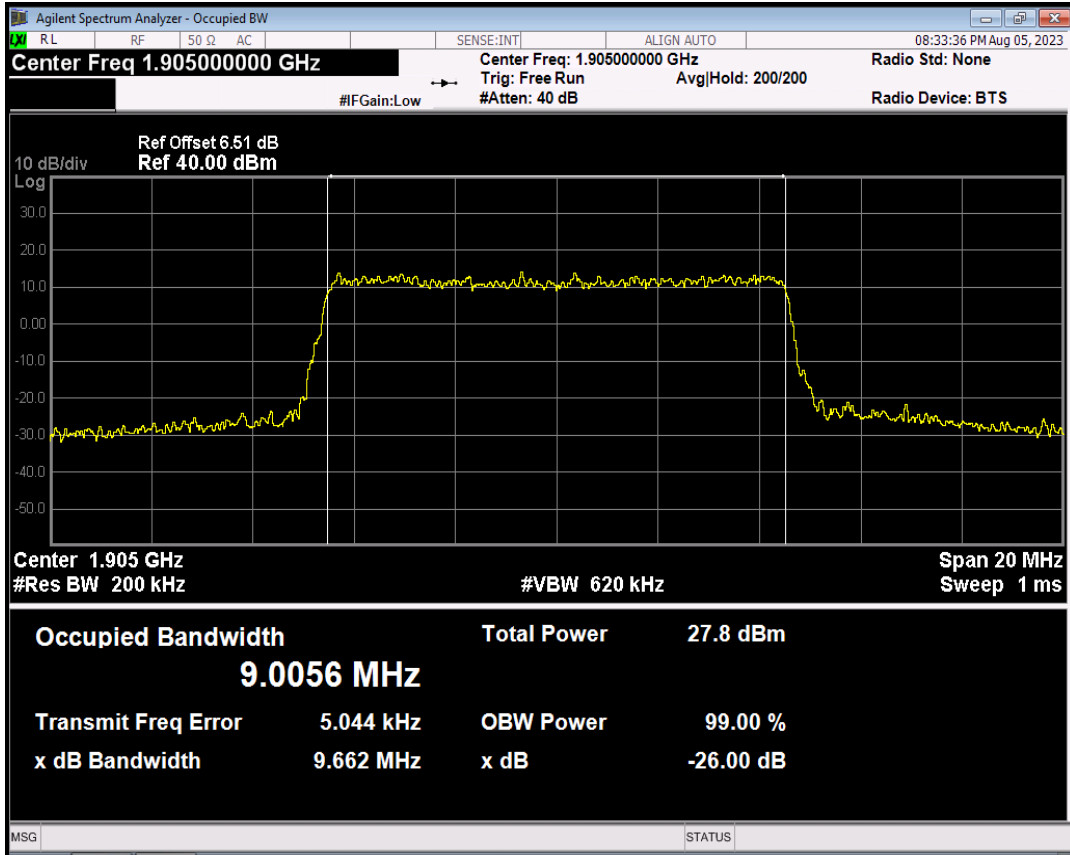




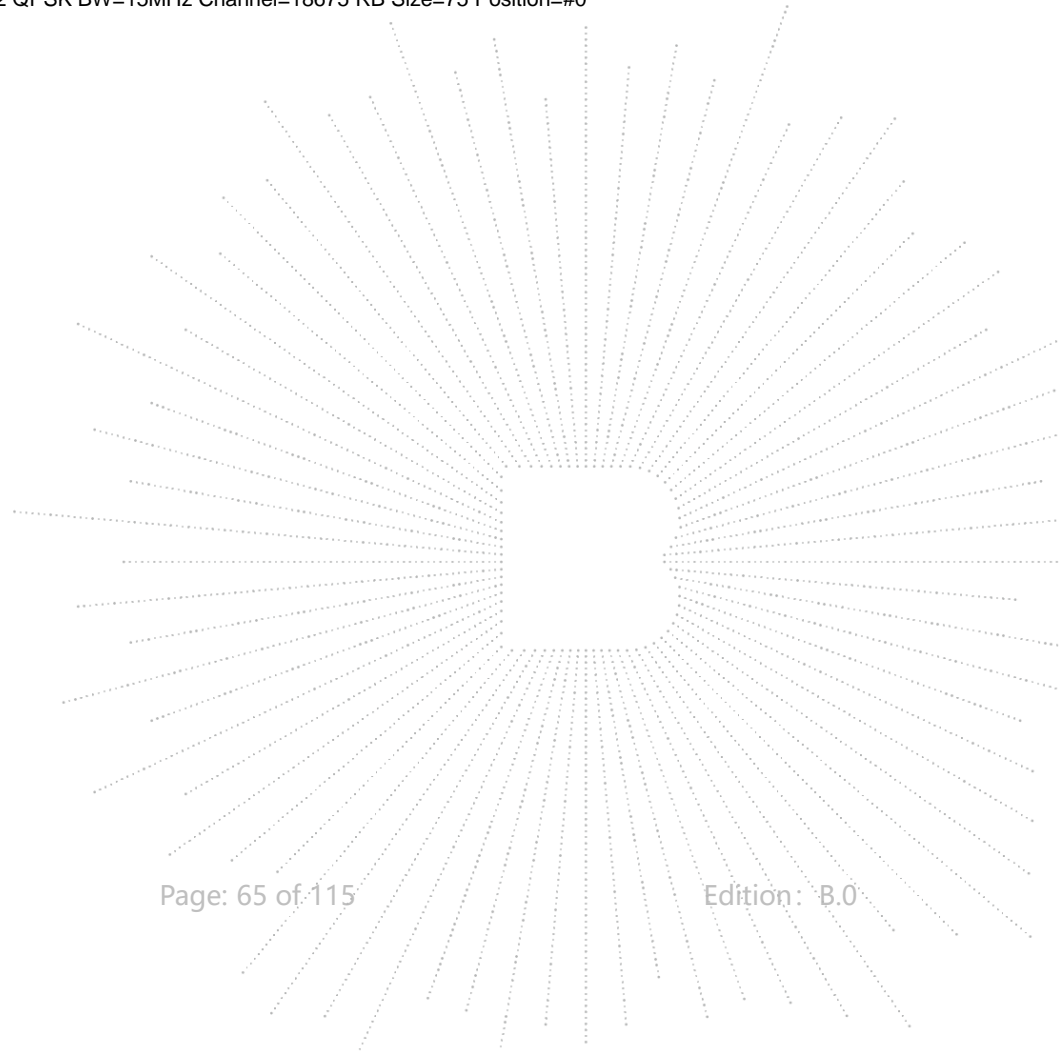
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0

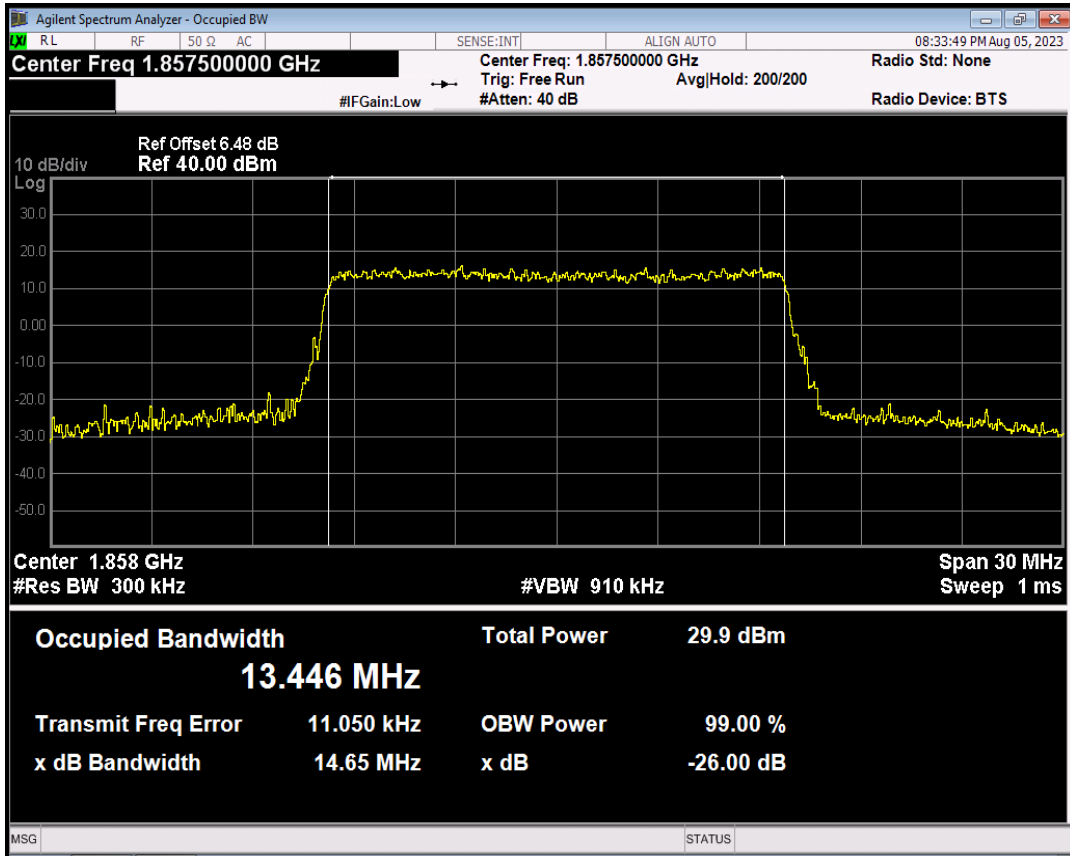


Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0

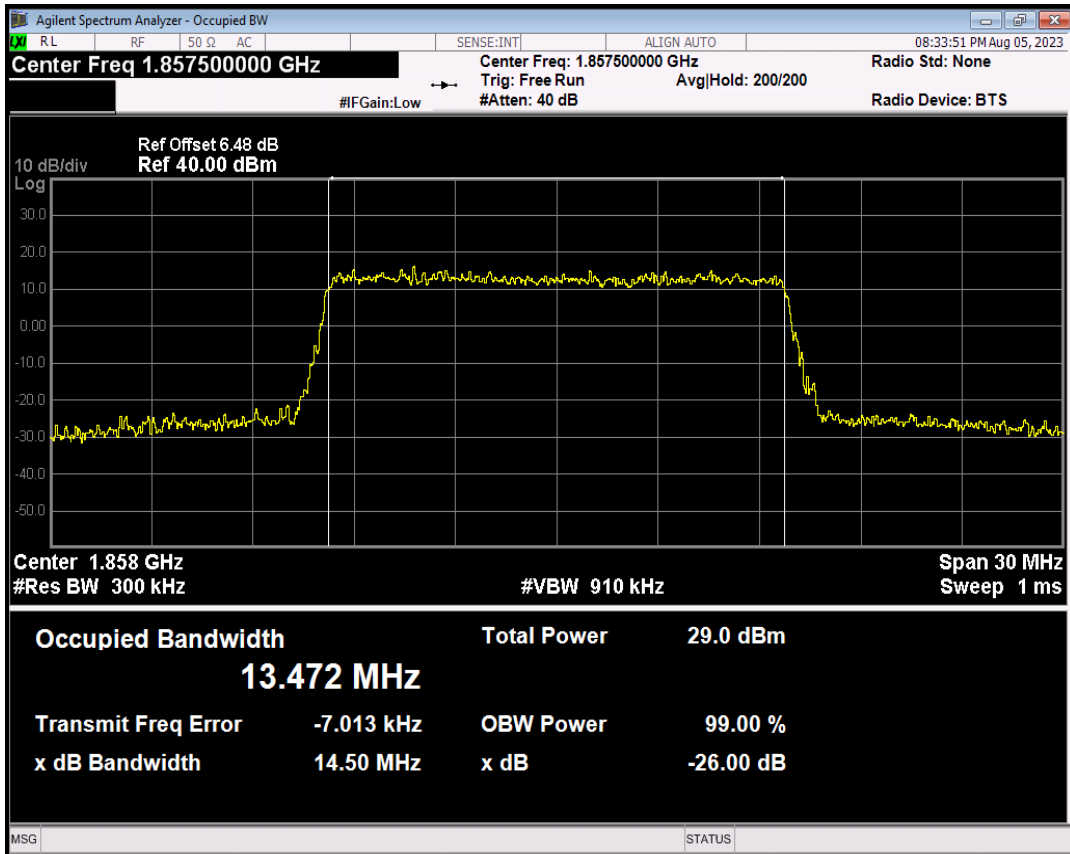


Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



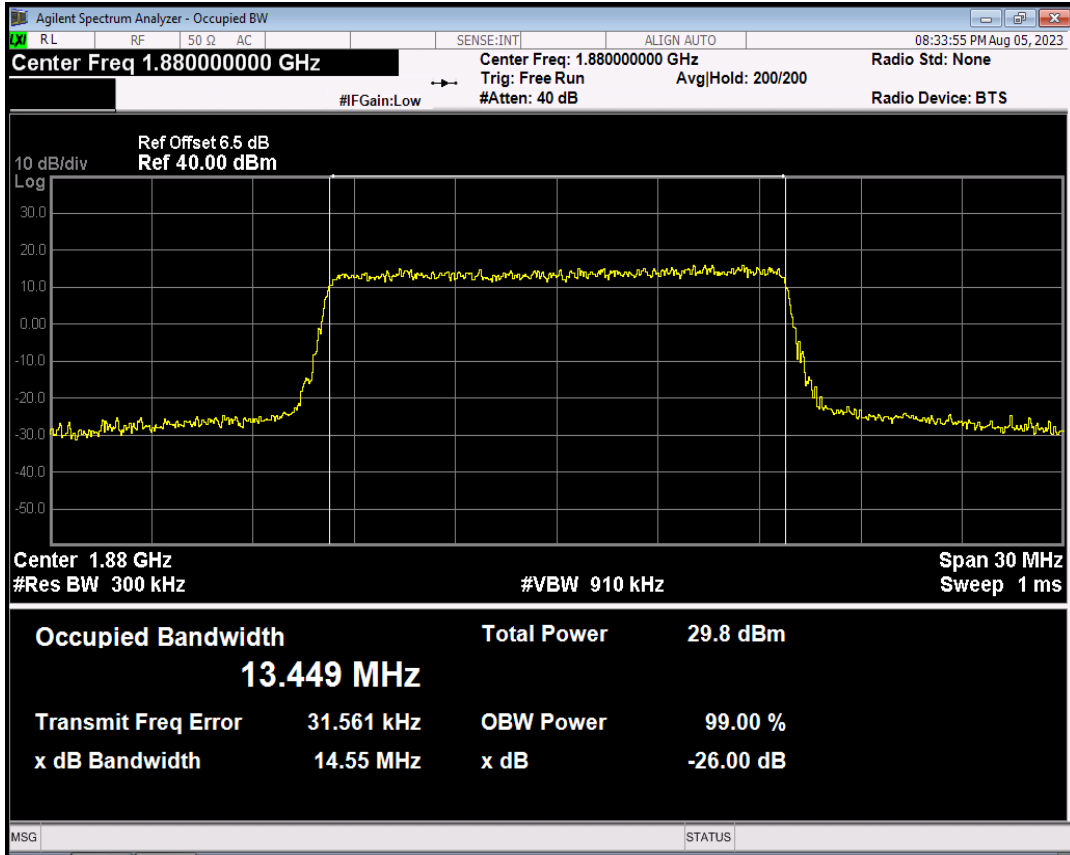


Band2 16QAM BW=15MHz Channel=18675 RB Size=75 Position=#0

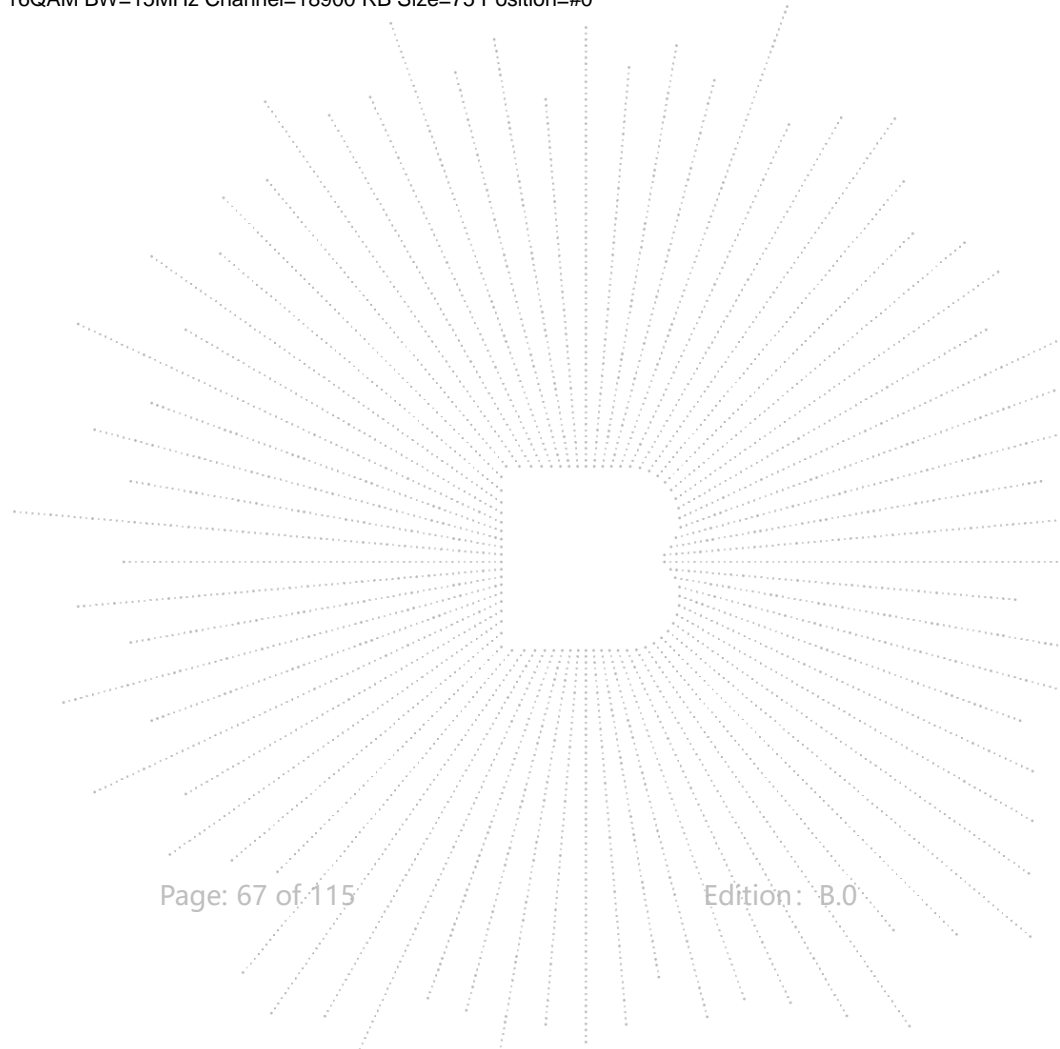


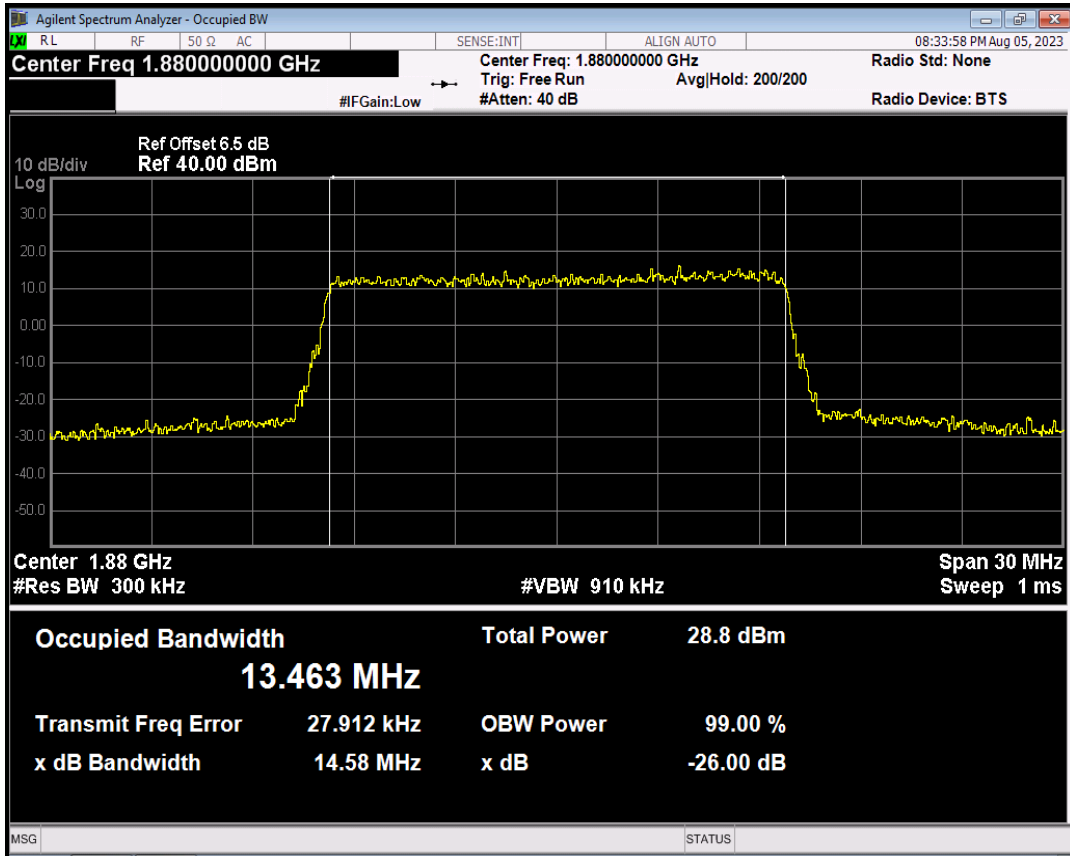


Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0

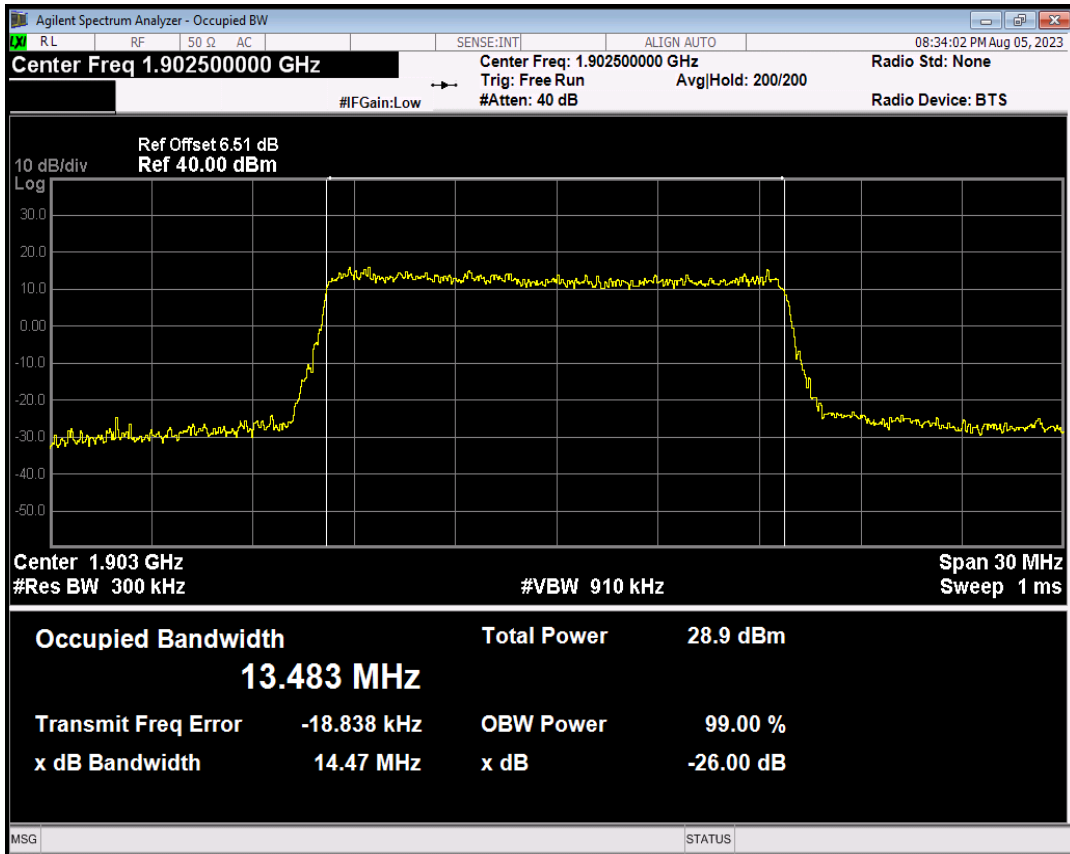


Band2 16QAM BW=15MHz Channel=18900 RB Size=75 Position=#0



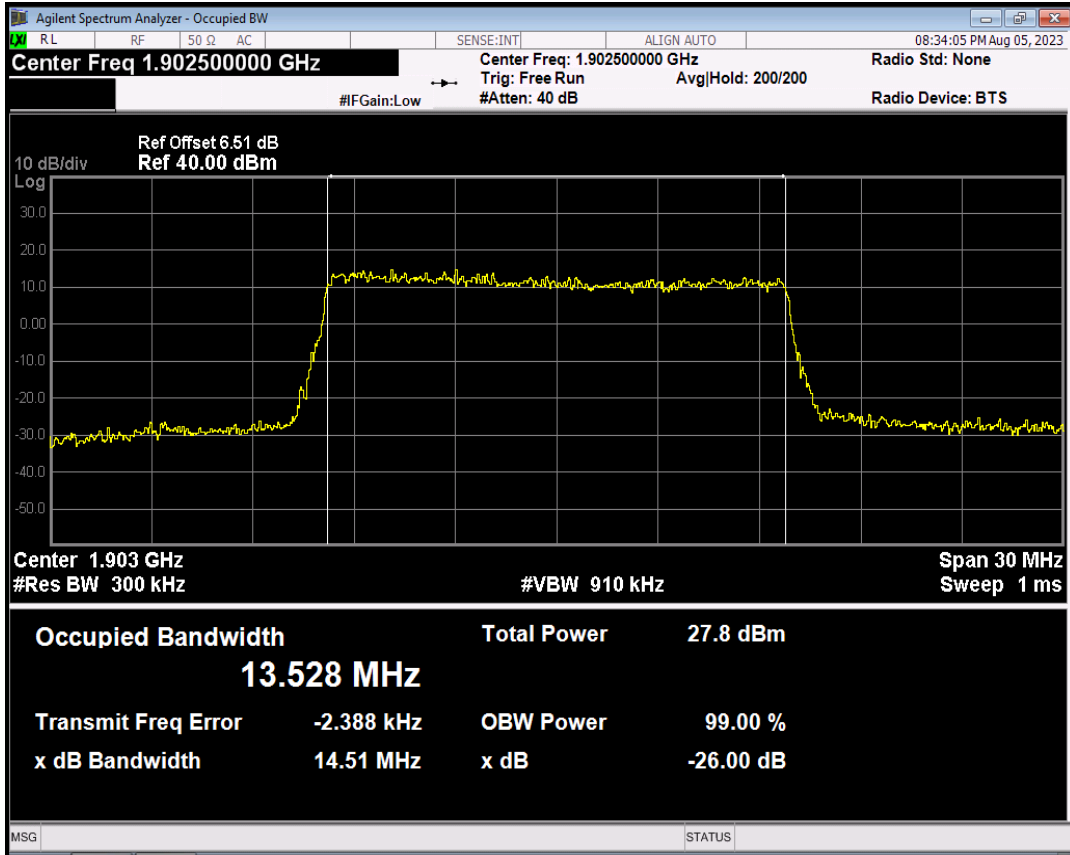


Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0

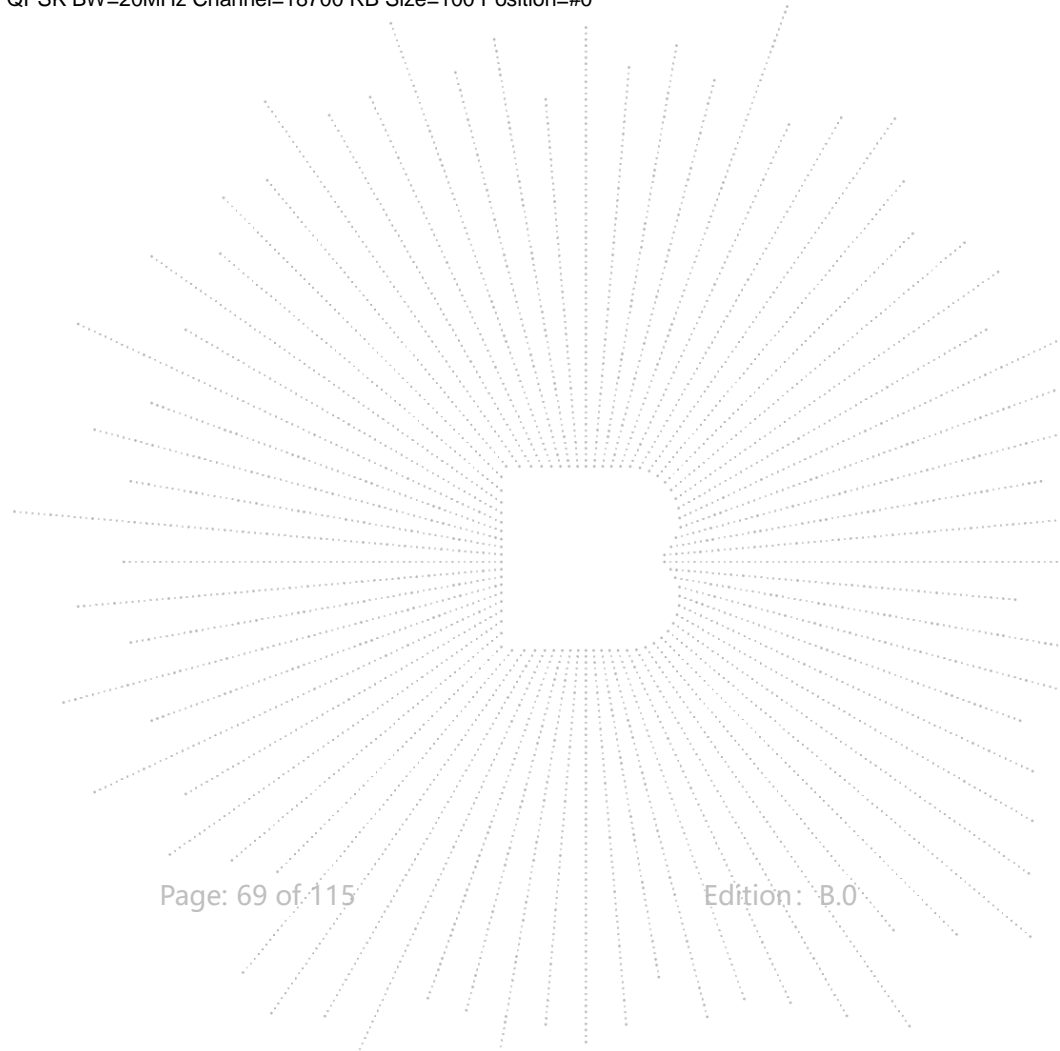


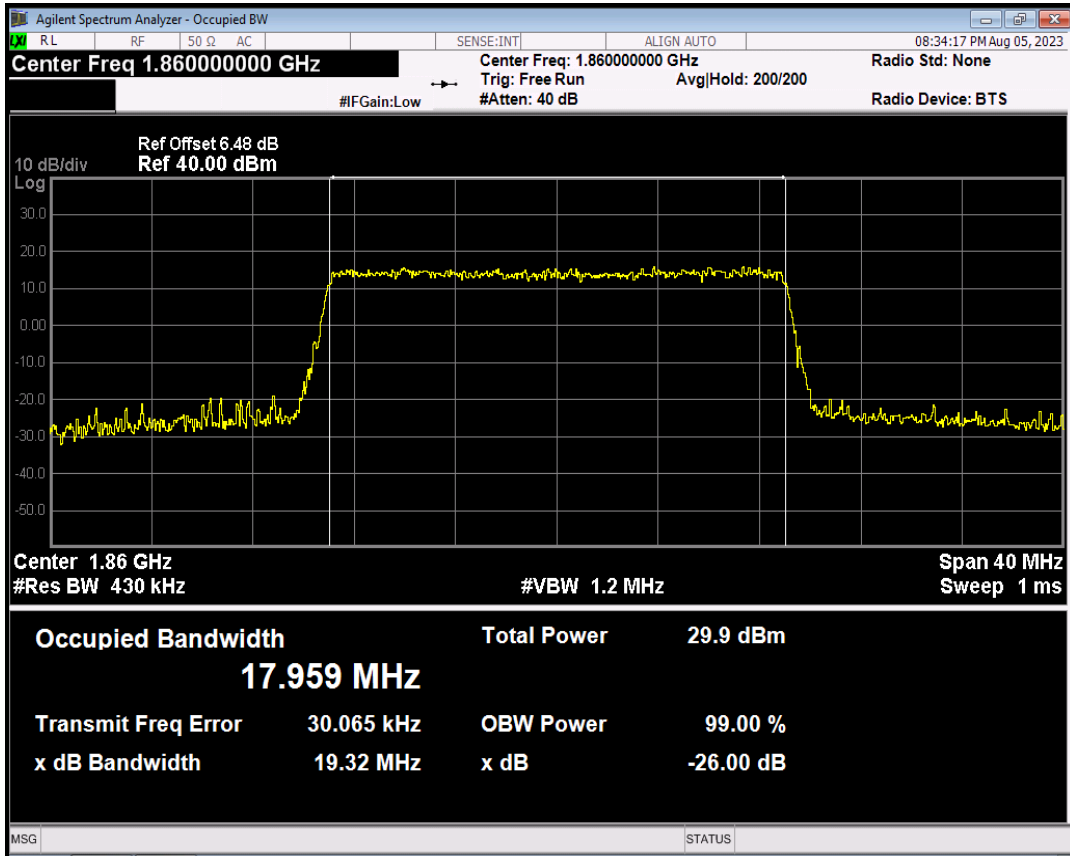


Band2 16QAM BW=15MHz Channel=19125 RB Size=75 Position=#0

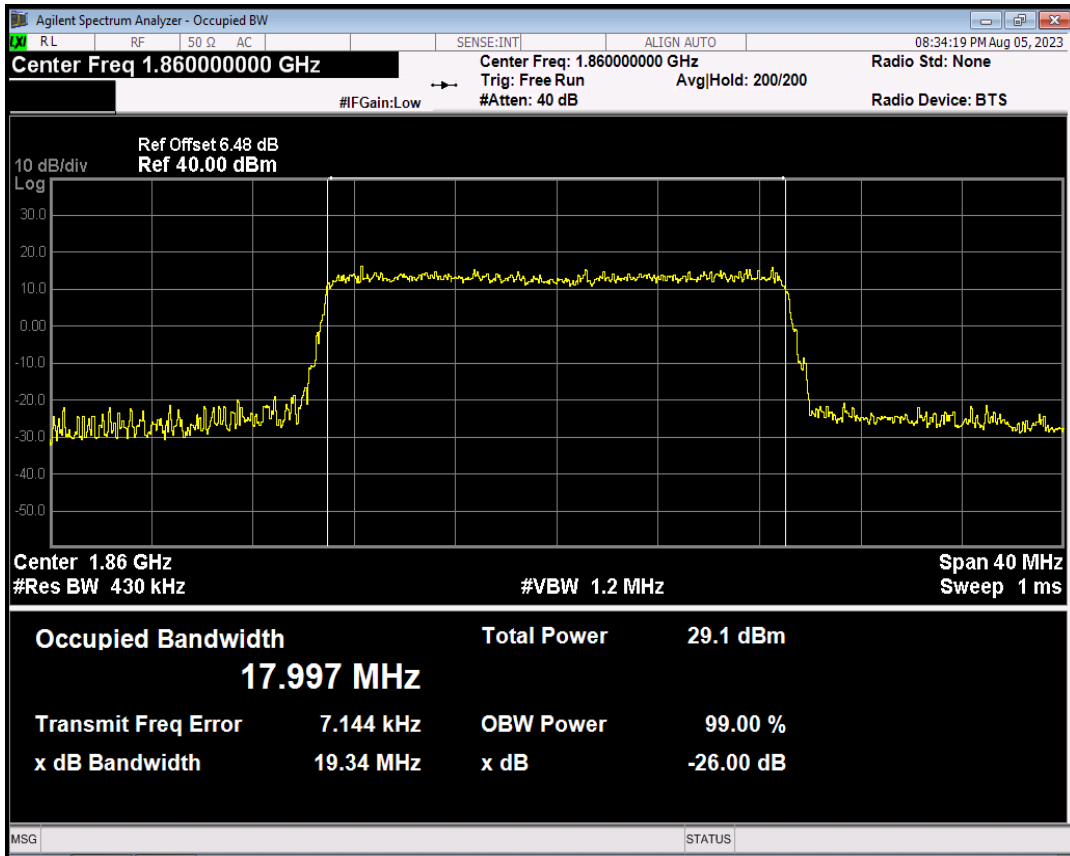


Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0

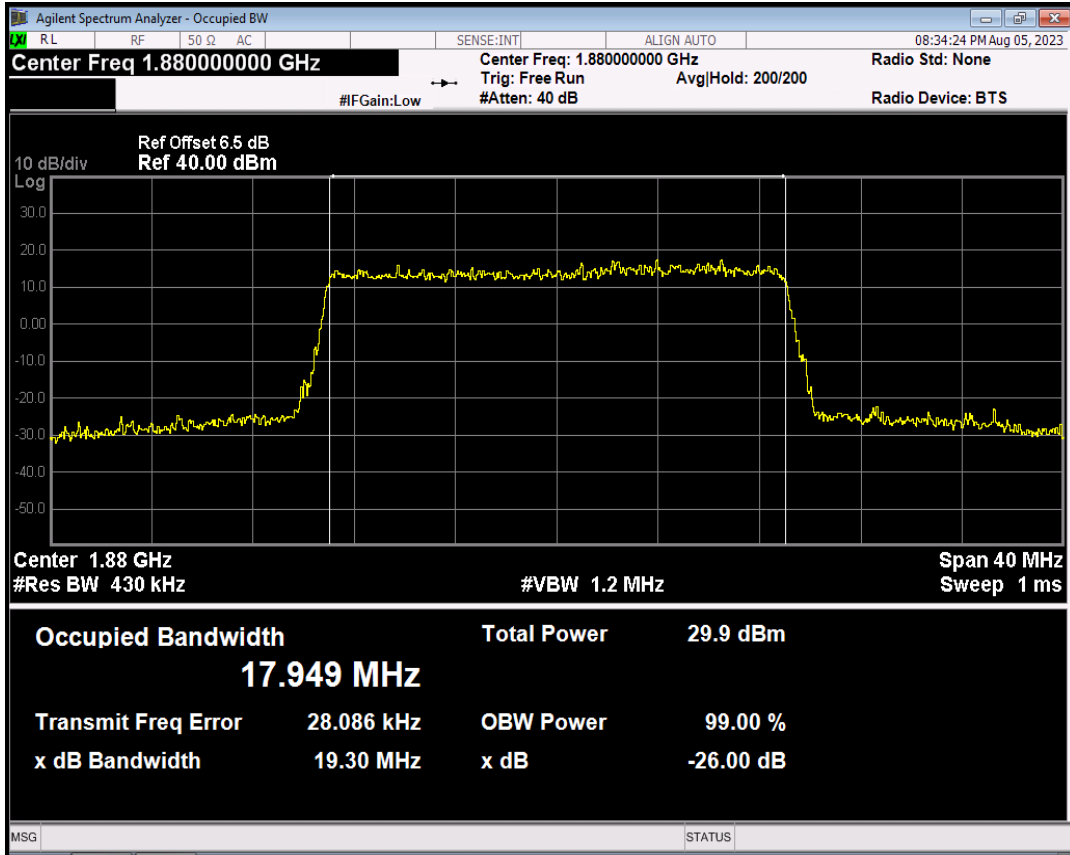




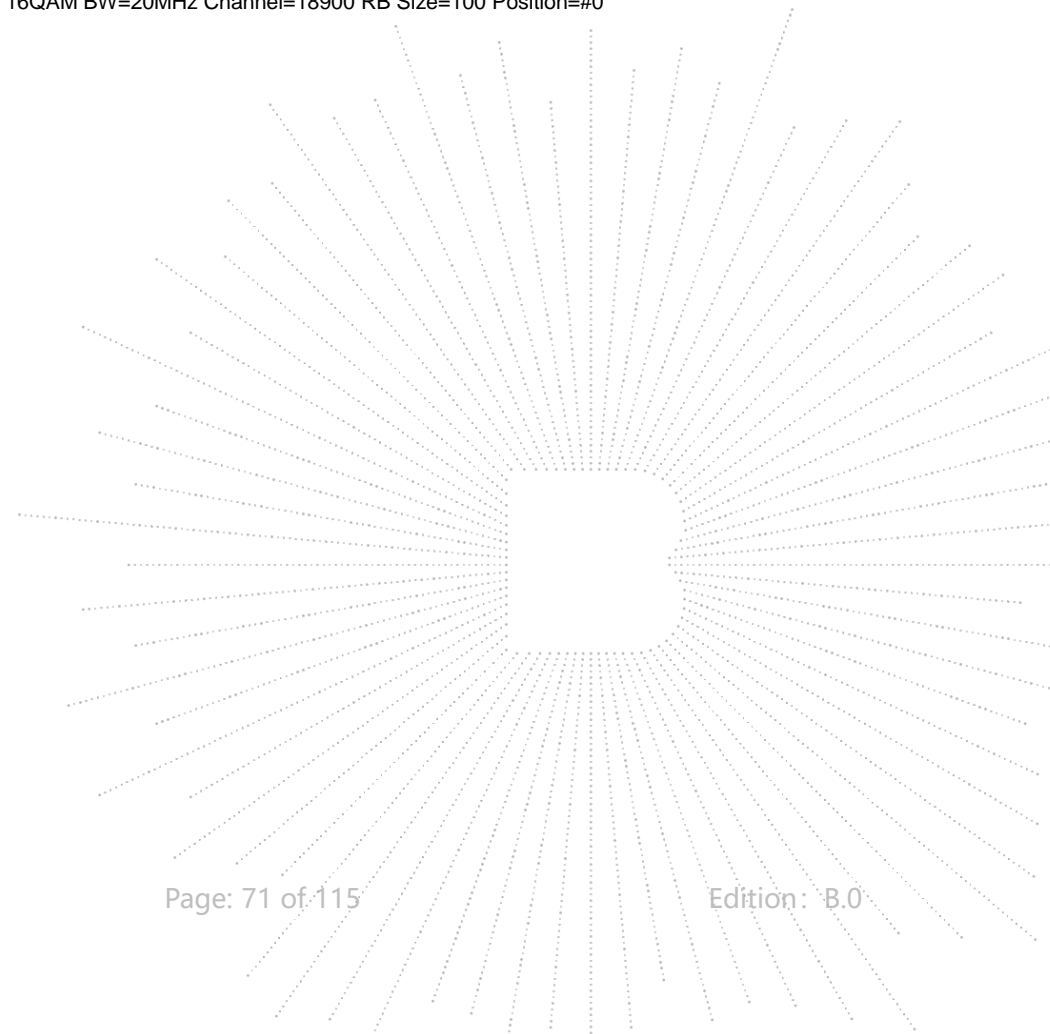
Band2 16QAM BW=20MHz Channel=18700 RB Size=100 Position=#0



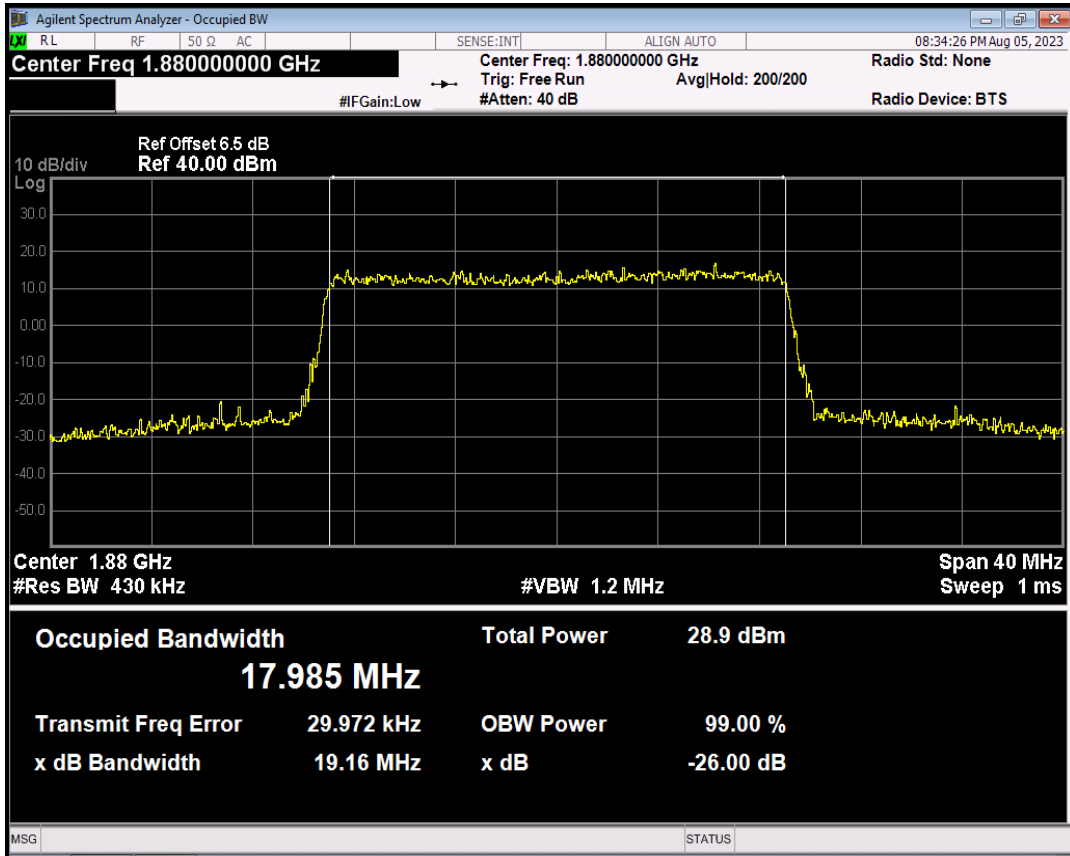
Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0



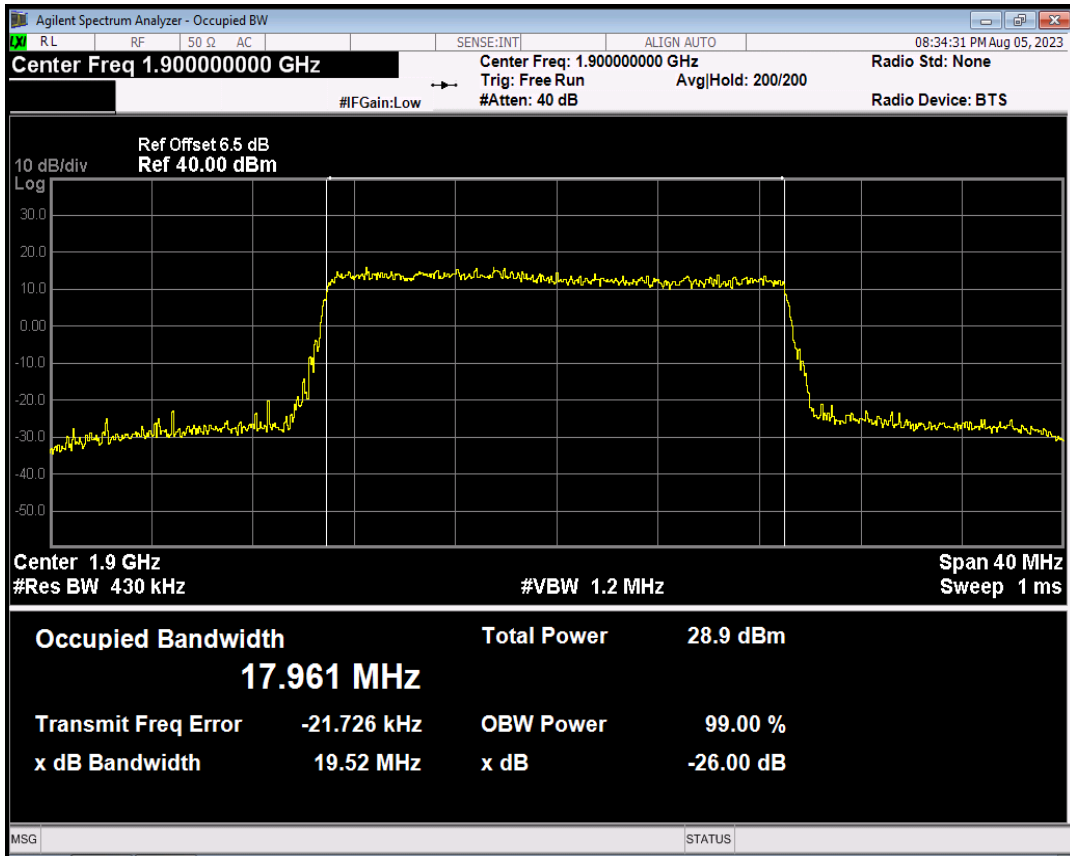
Band2 16QAM BW=20MHz Channel=18900 RB Size=100 Position=#0





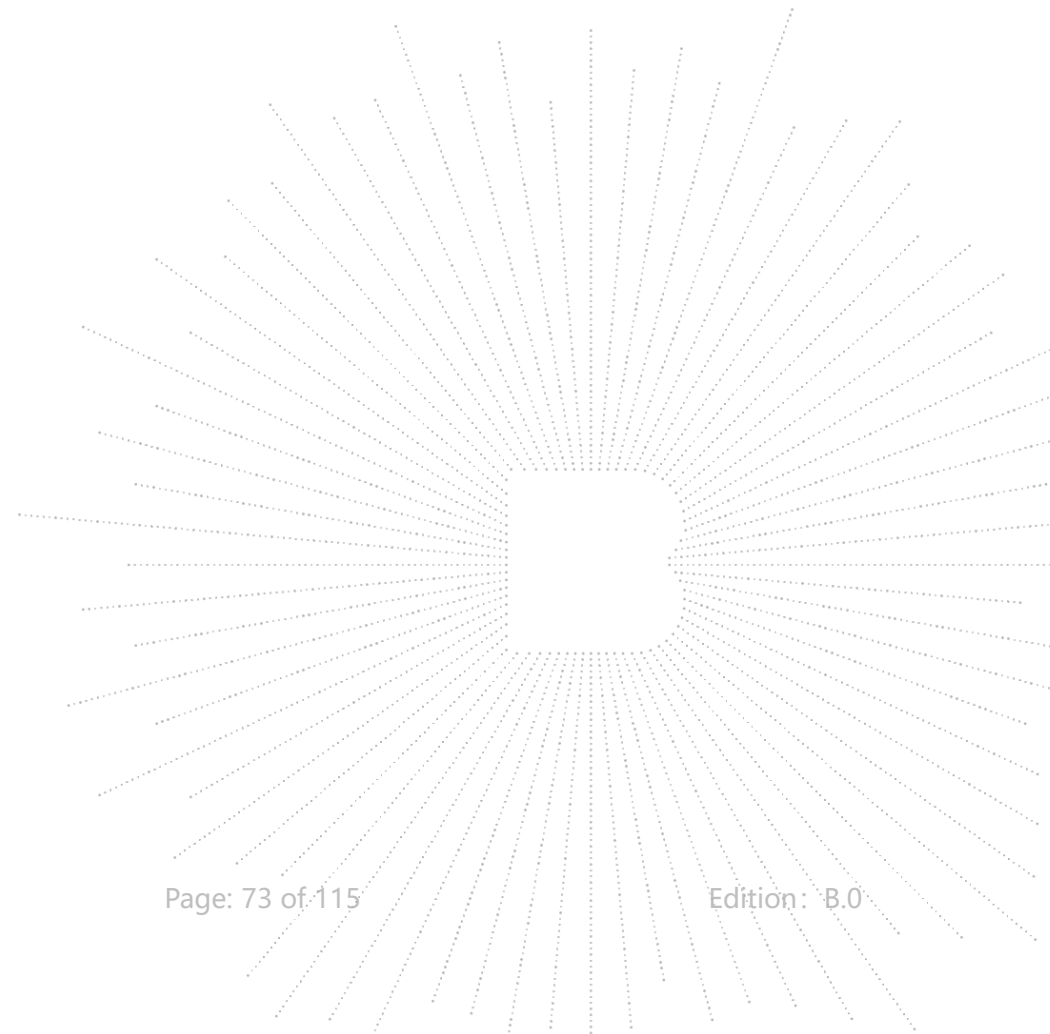
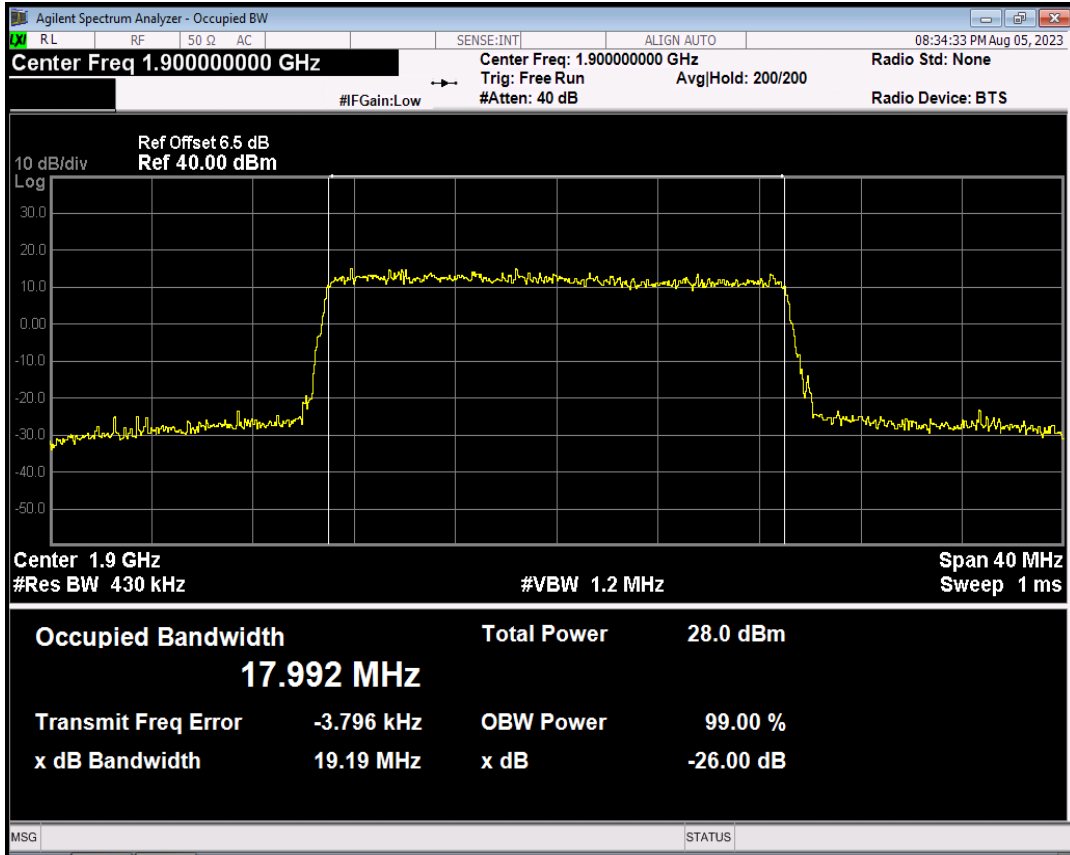


Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0





Band2 16QAM BW=20MHz Channel=19100 RB Size=100 Position=#0



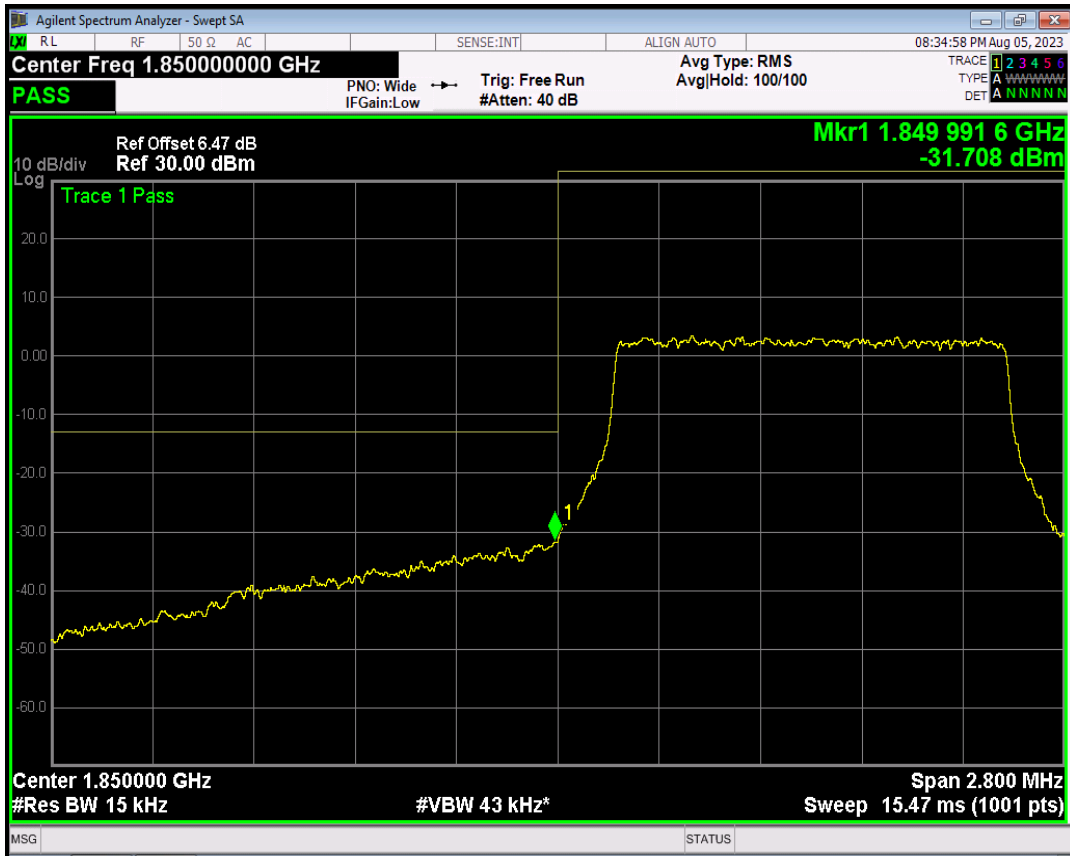
## Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band2	1.4	18607	6	#0	QPSK	1850.00	-29.33	-13	PASS
Band2	1.4	18607	6	#0	16QAM	1849.99	-31.70	-13	PASS
Band2	1.4	19193	6	#0	QPSK	1910.01	-29.58	-13	PASS
Band2	1.4	19193	6	#0	16QAM	1910.00	-29.52	-13	PASS
Band2	3	18615	15	#0	QPSK	1850.00	-30.26	-13	PASS
Band2	3	18615	15	#0	16QAM	1849.99	-31.89	-13	PASS
Band2	3	19185	15	#0	QPSK	1910.00	-30.47	-13	PASS
Band2	3	19185	15	#0	16QAM	1910.00	-30.92	-13	PASS
Band2	5	18625	25	#0	QPSK	1849.99	-29.05	-13	PASS
Band2	5	18625	25	#0	16QAM	1850.00	-31.03	-13	PASS
Band2	5	19175	25	#0	QPSK	1910.00	-30.22	-13	PASS
Band2	5	19175	25	#0	16QAM	1910.02	-31.36	-13	PASS
Band2	10	18650	50	#0	QPSK	1850.00	-33.86	-13	PASS
Band2	10	18650	50	#0	16QAM	1849.94	-33.78	-13	PASS
Band2	10	19150	50	#0	QPSK	1910.00	-31.05	-13	PASS
Band2	10	19150	50	#0	16QAM	1910.02	-33.57	-13	PASS
Band2	15	18675	75	#0	QPSK	1848.35	-35.02	-13	PASS
Band2	15	18675	75	#0	16QAM	1849.67	-35.56	-13	PASS
Band2	15	19125	75	#0	QPSK	1910.42	-32.68	-13	PASS
Band2	15	19125	75	#0	16QAM	1910.09	-34.75	-13	PASS
Band2	20	18700	100	#0	QPSK	1850.00	-34.81	-13	PASS
Band2	20	18700	100	#0	16QAM	1849.96	-35.64	-13	PASS
Band2	20	19100	100	#0	QPSK	1910.04	-34.52	-13	PASS
Band2	20	19100	100	#0	16QAM	1910.00	-36.24	-13	PASS

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0

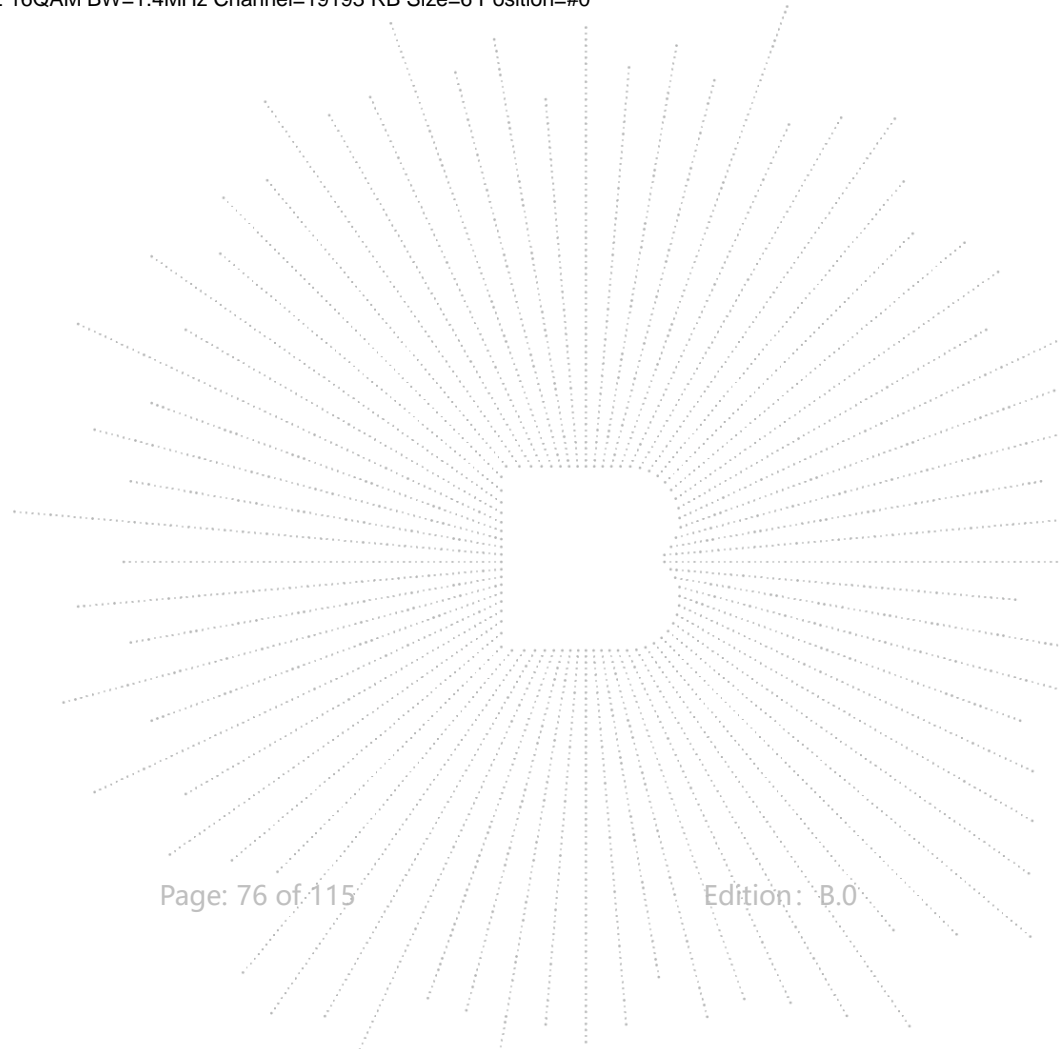




Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0

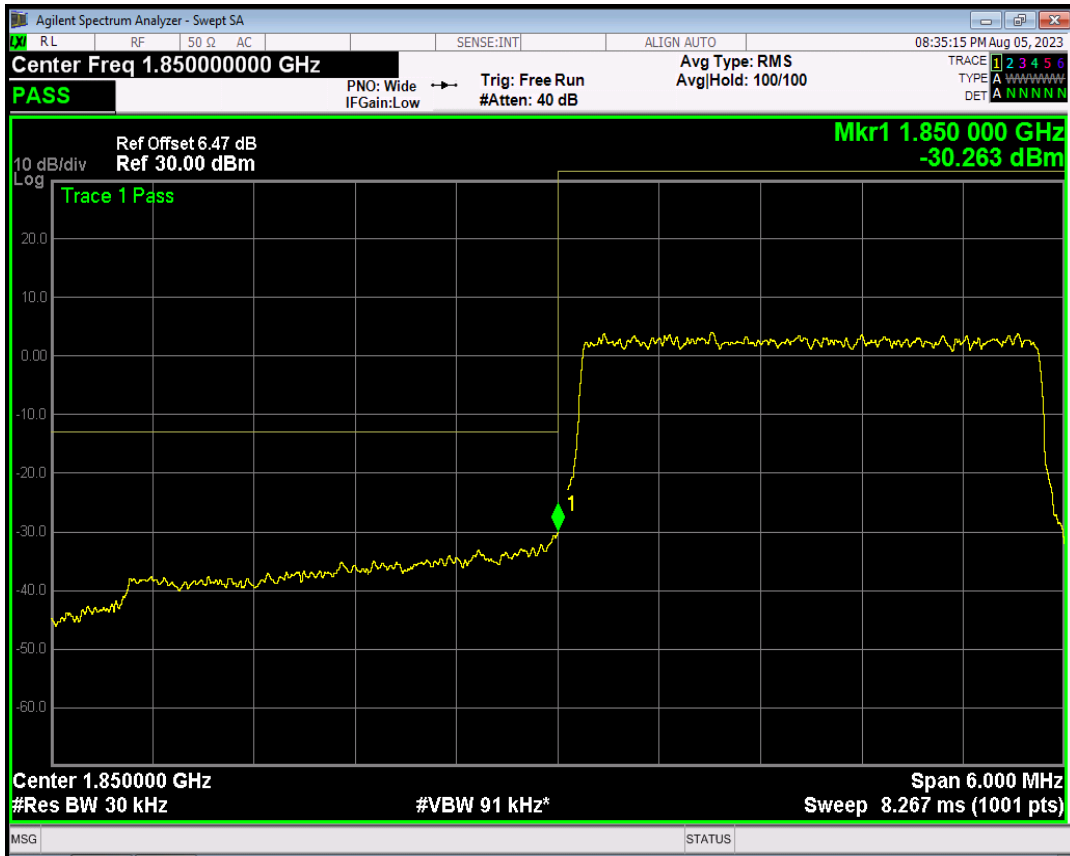


Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



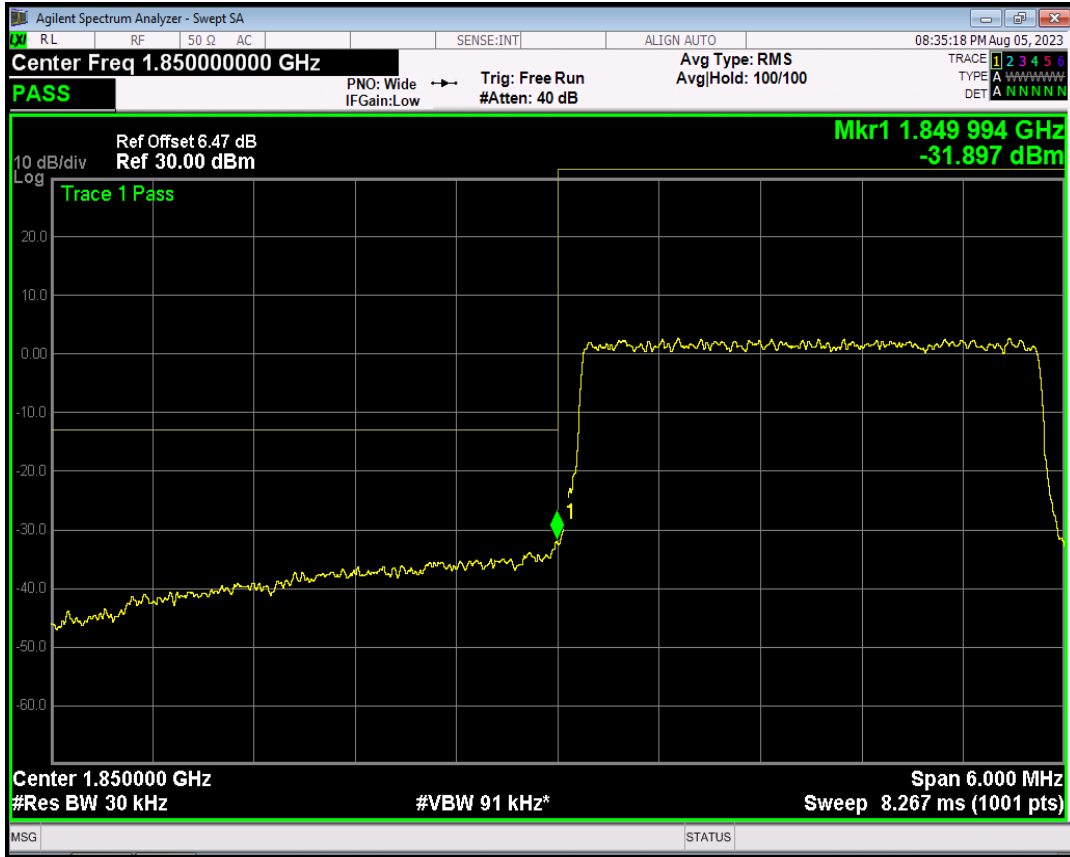


Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0

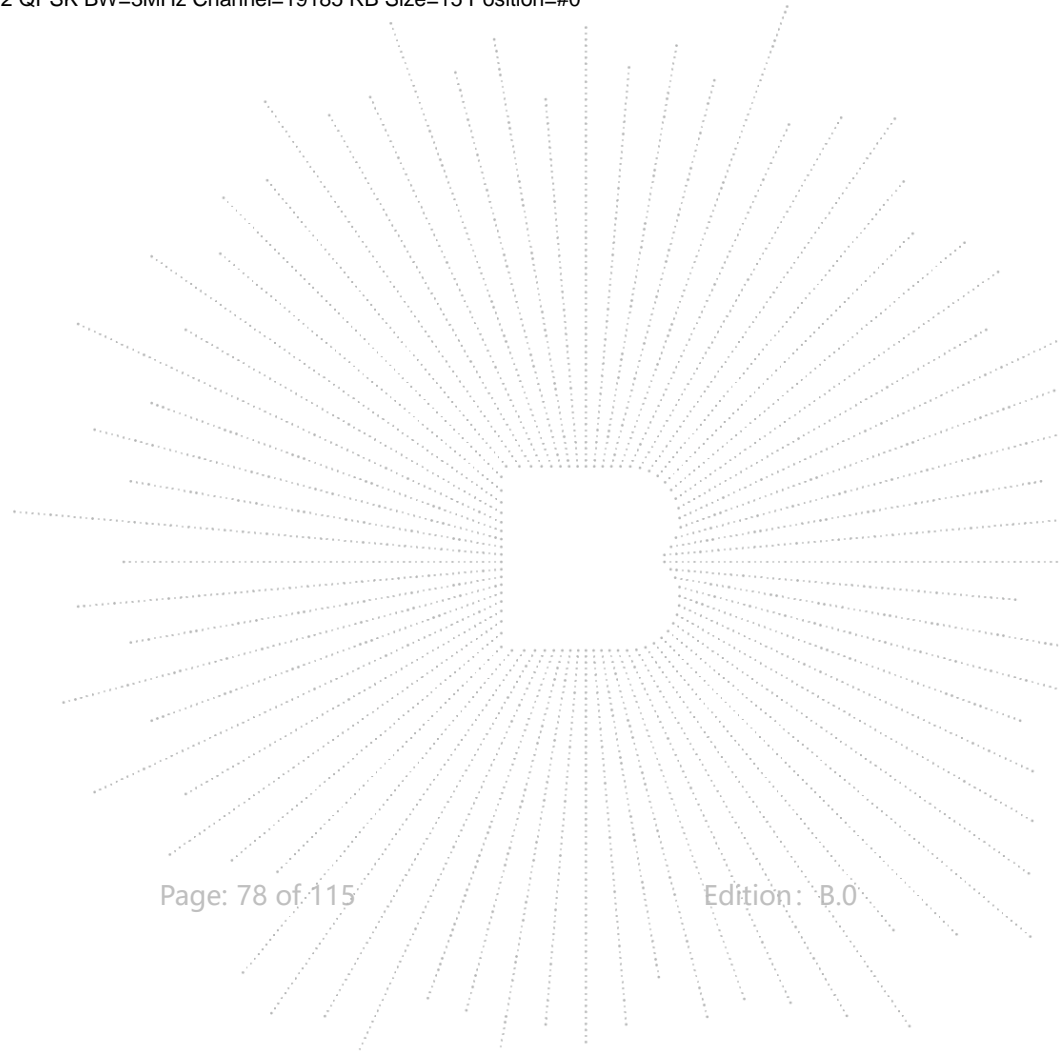


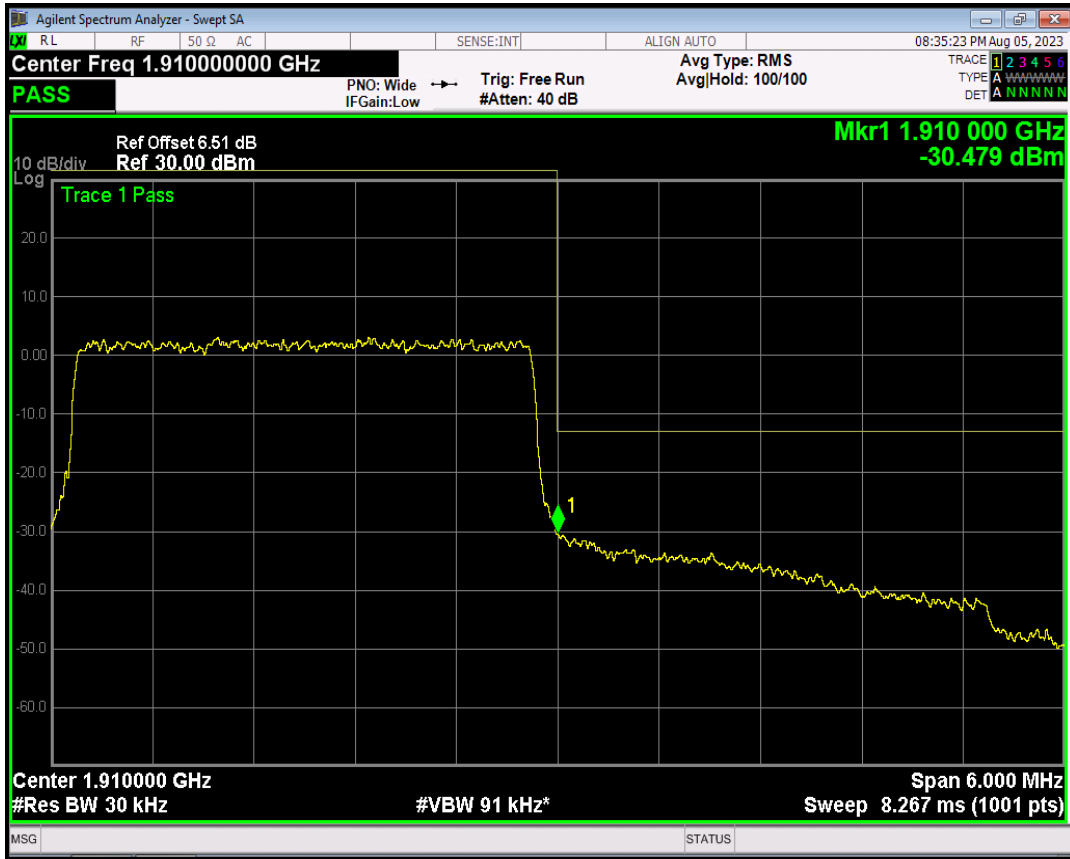


Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0

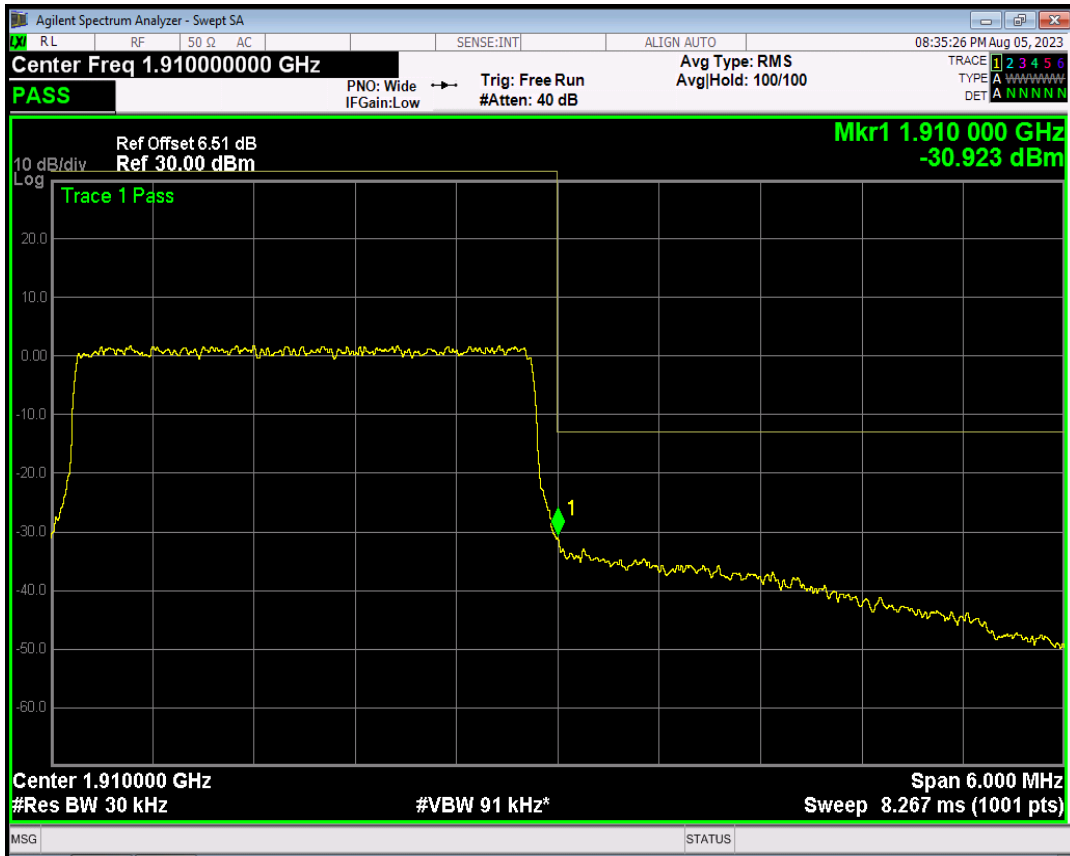


Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0





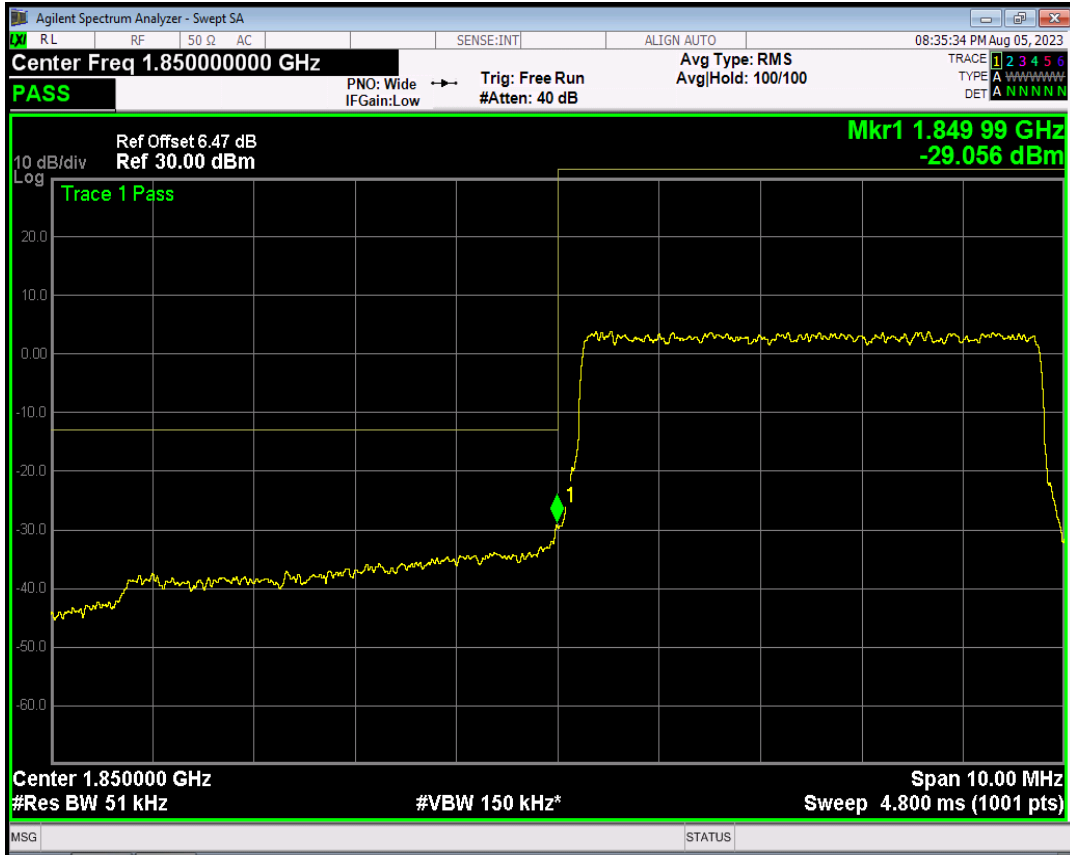
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



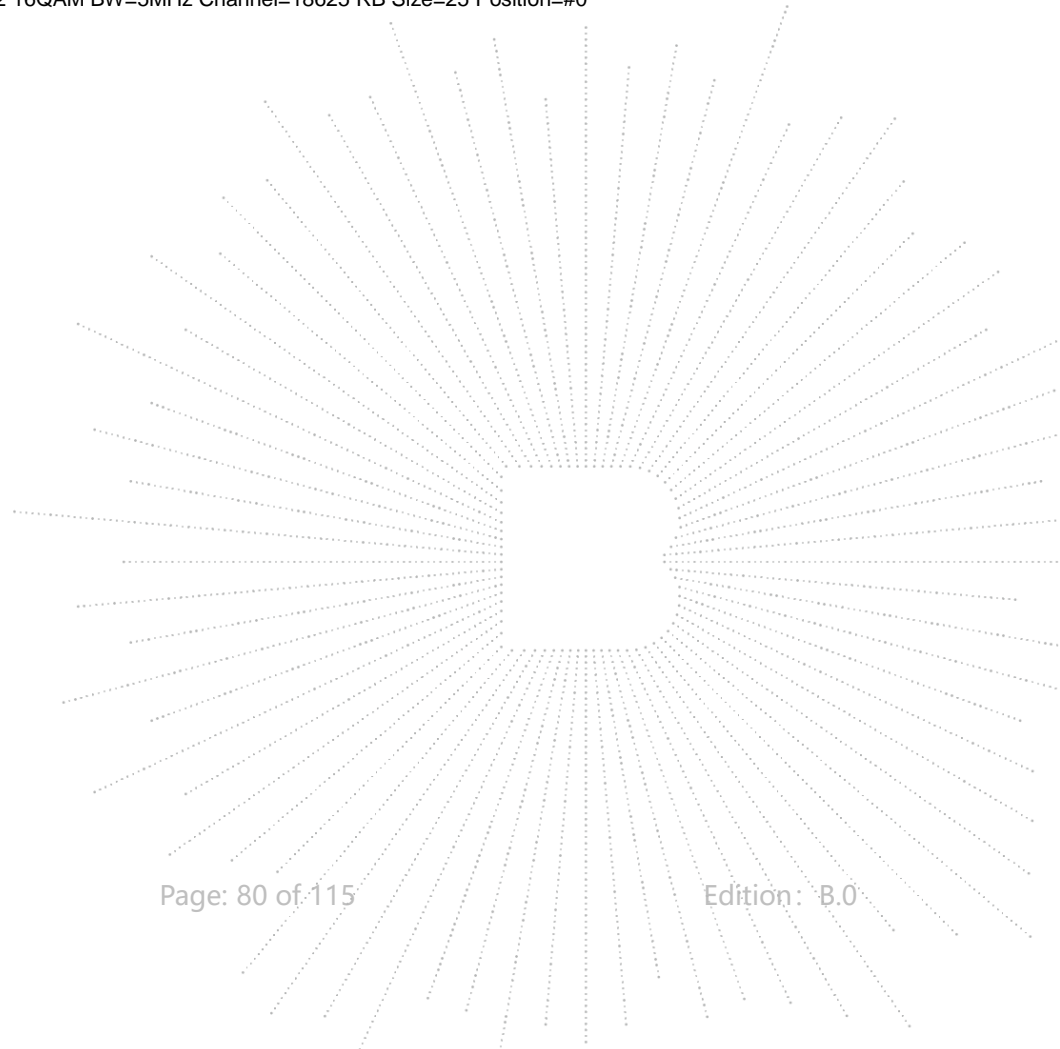


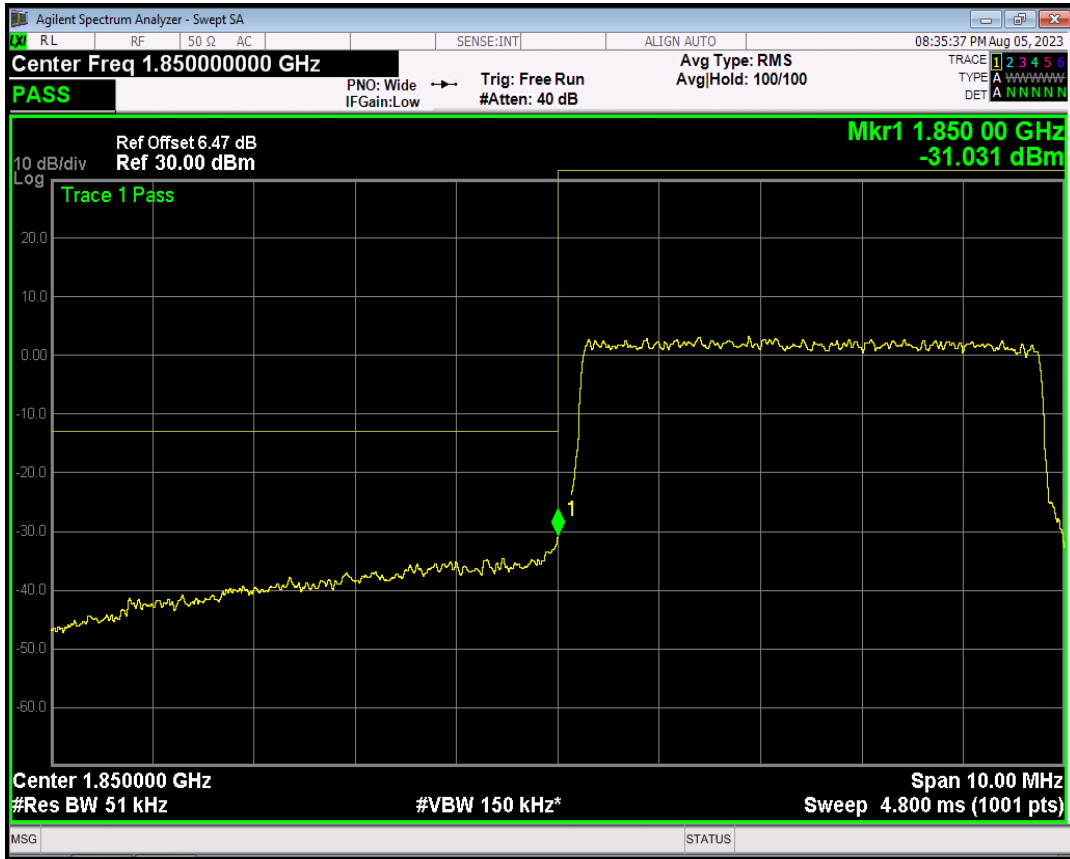


Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0

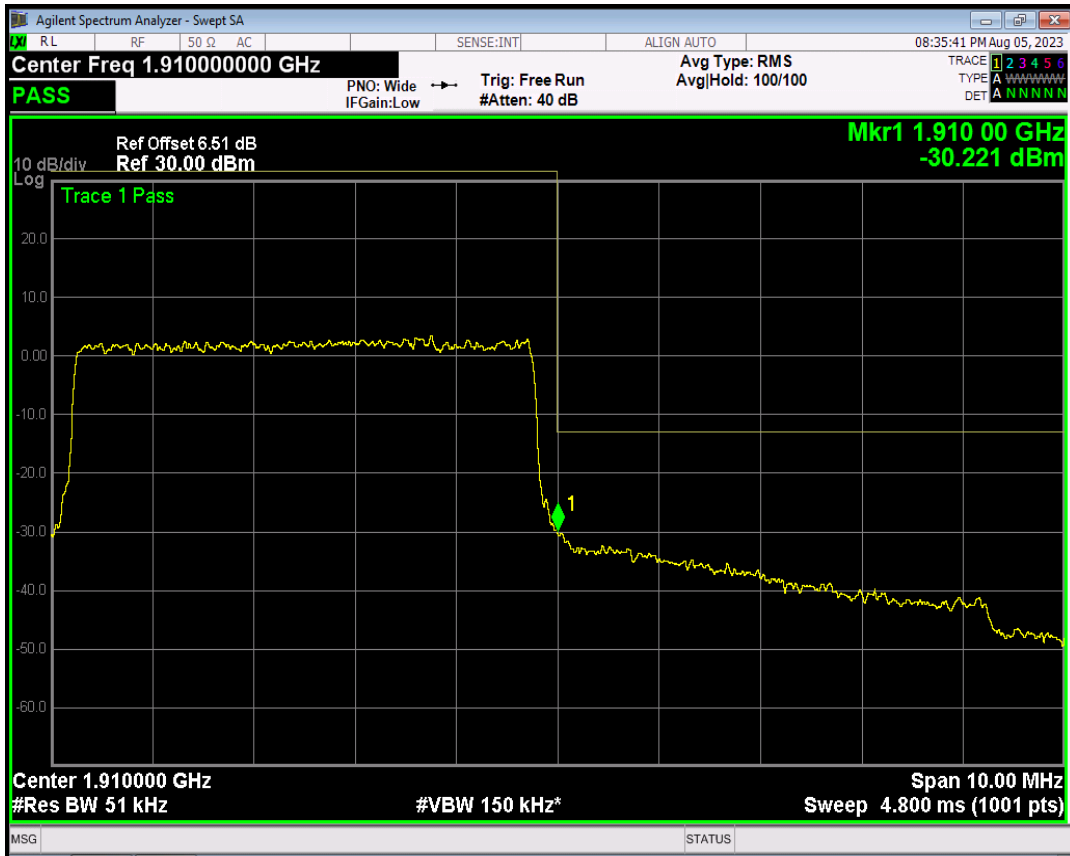


Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



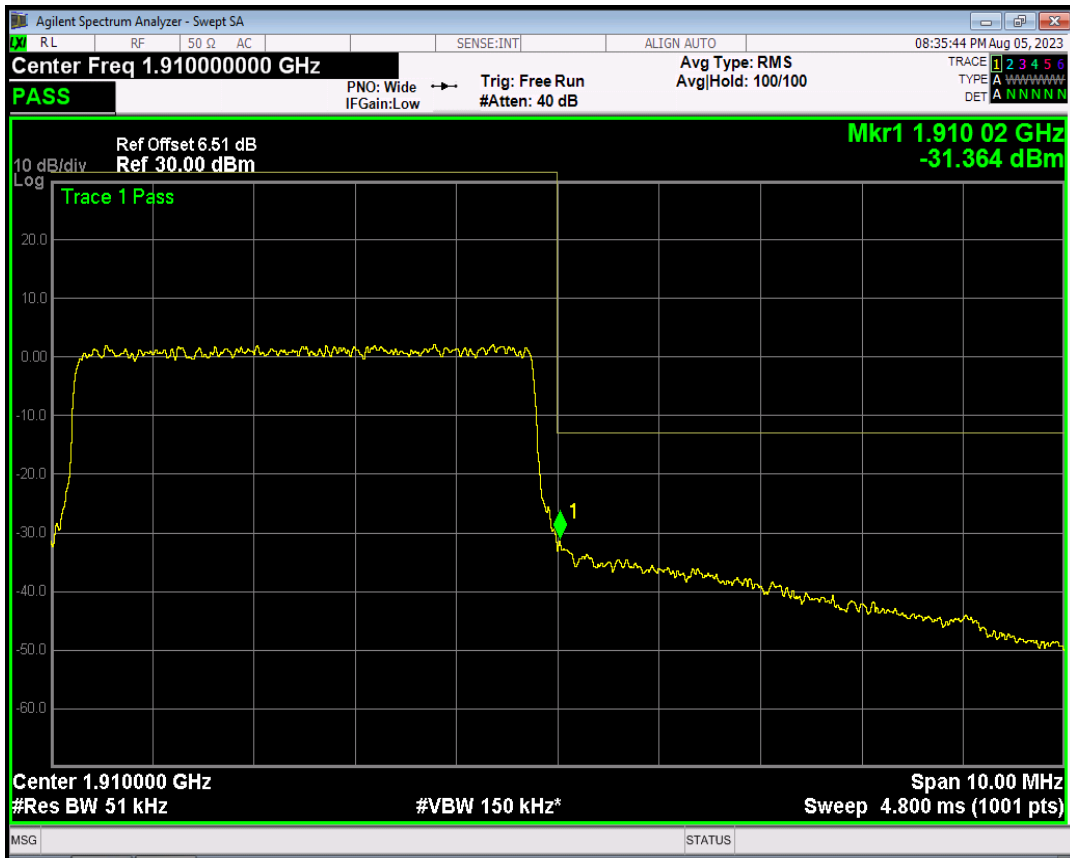


Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

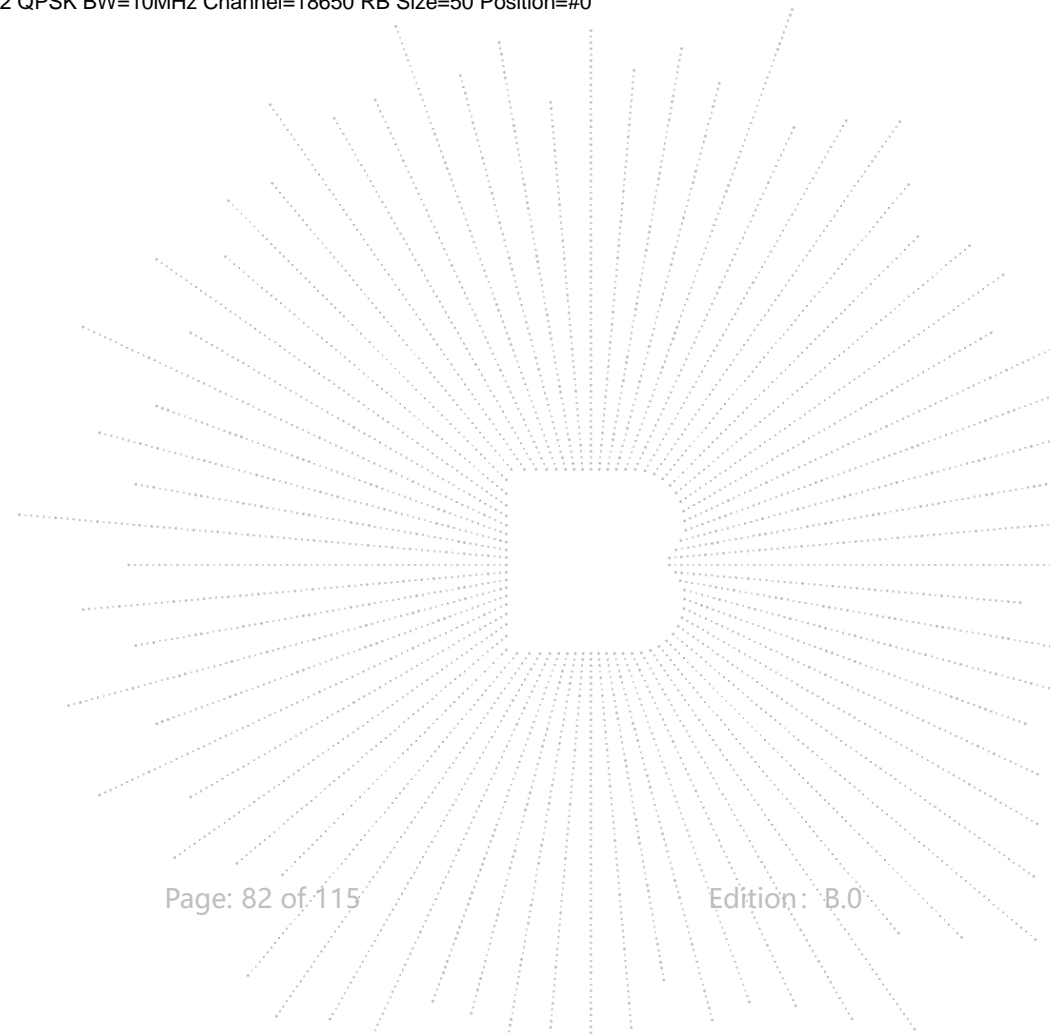


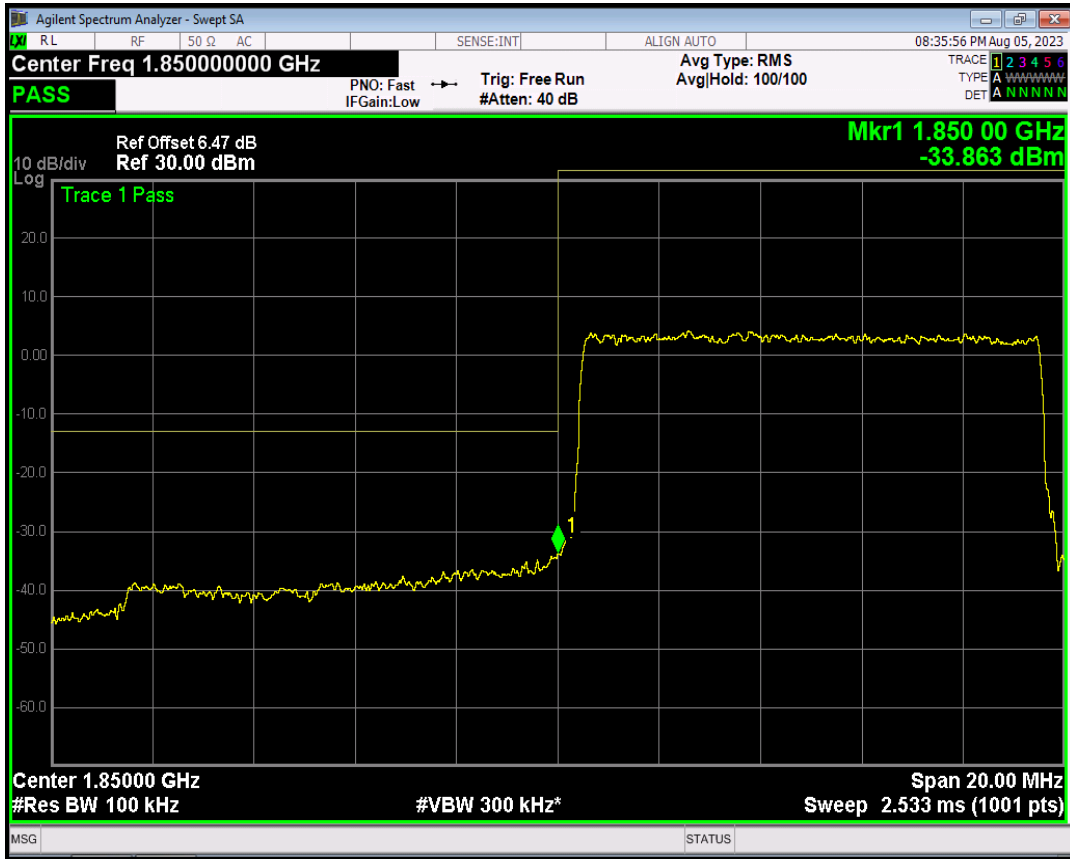


Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0

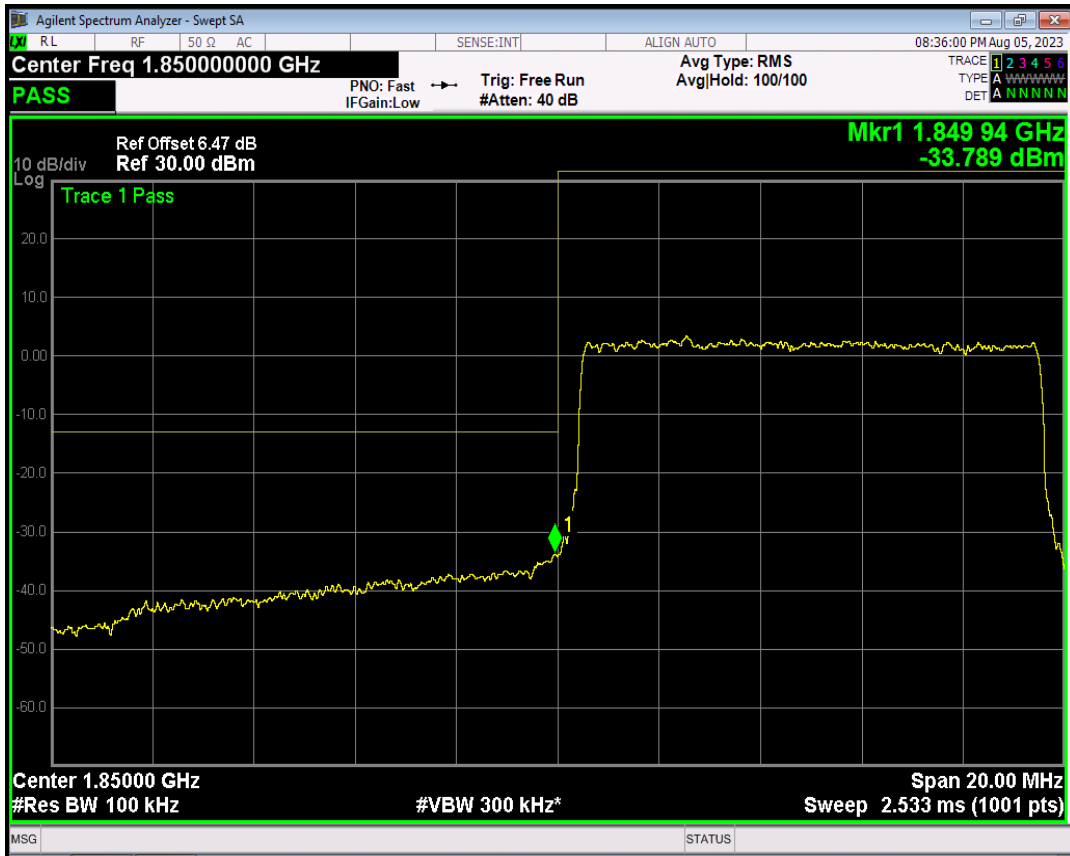


Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



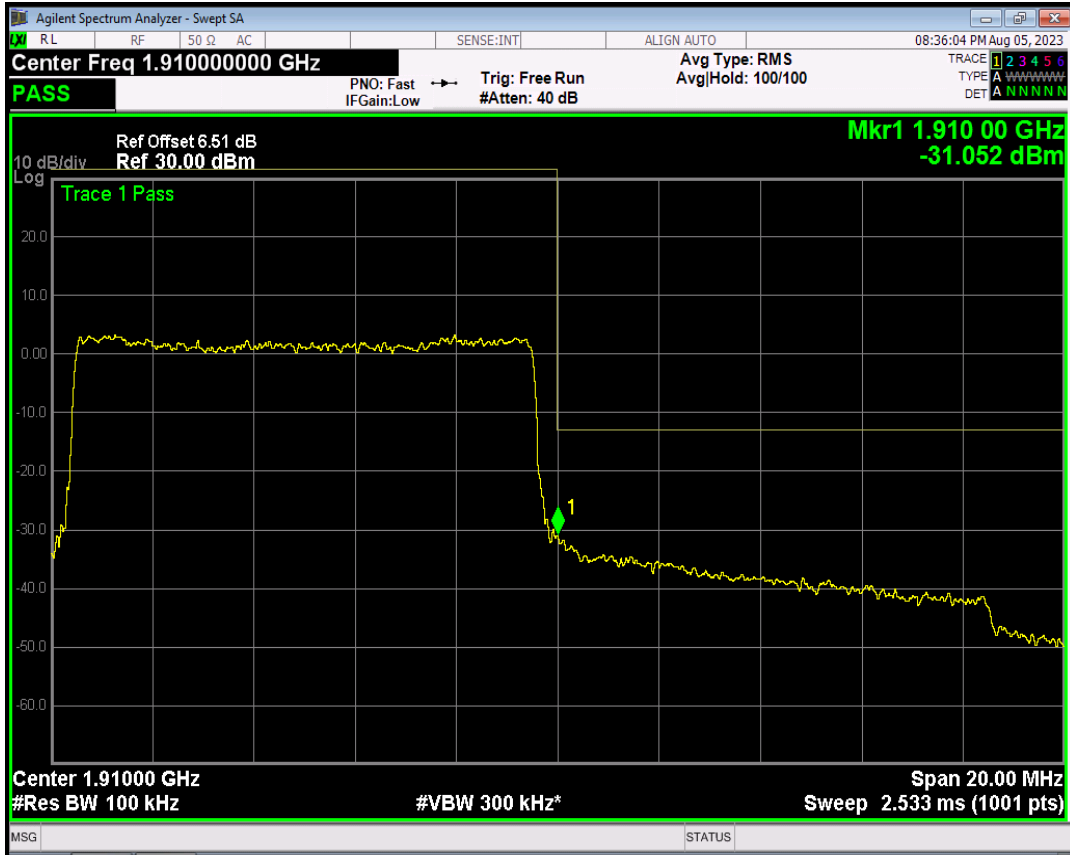


Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0

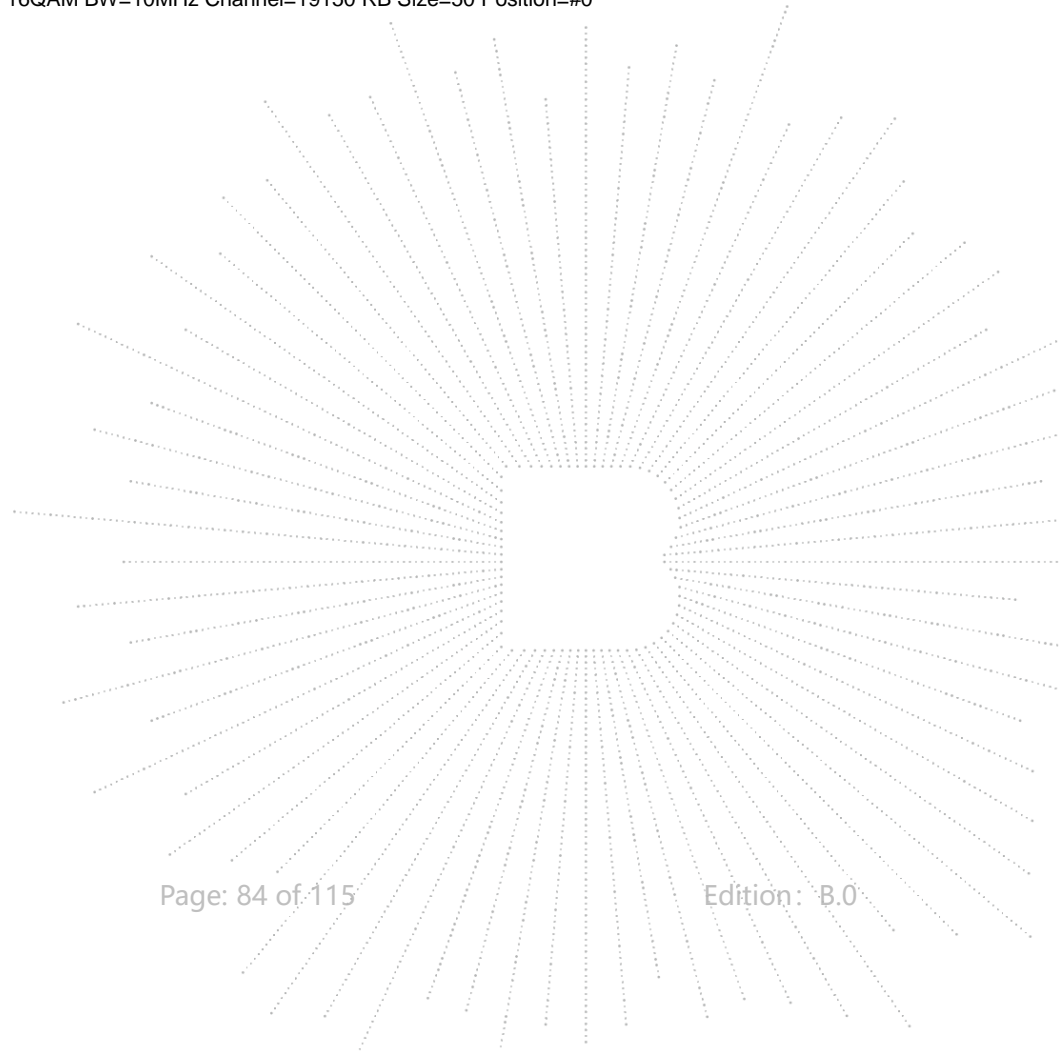




Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0

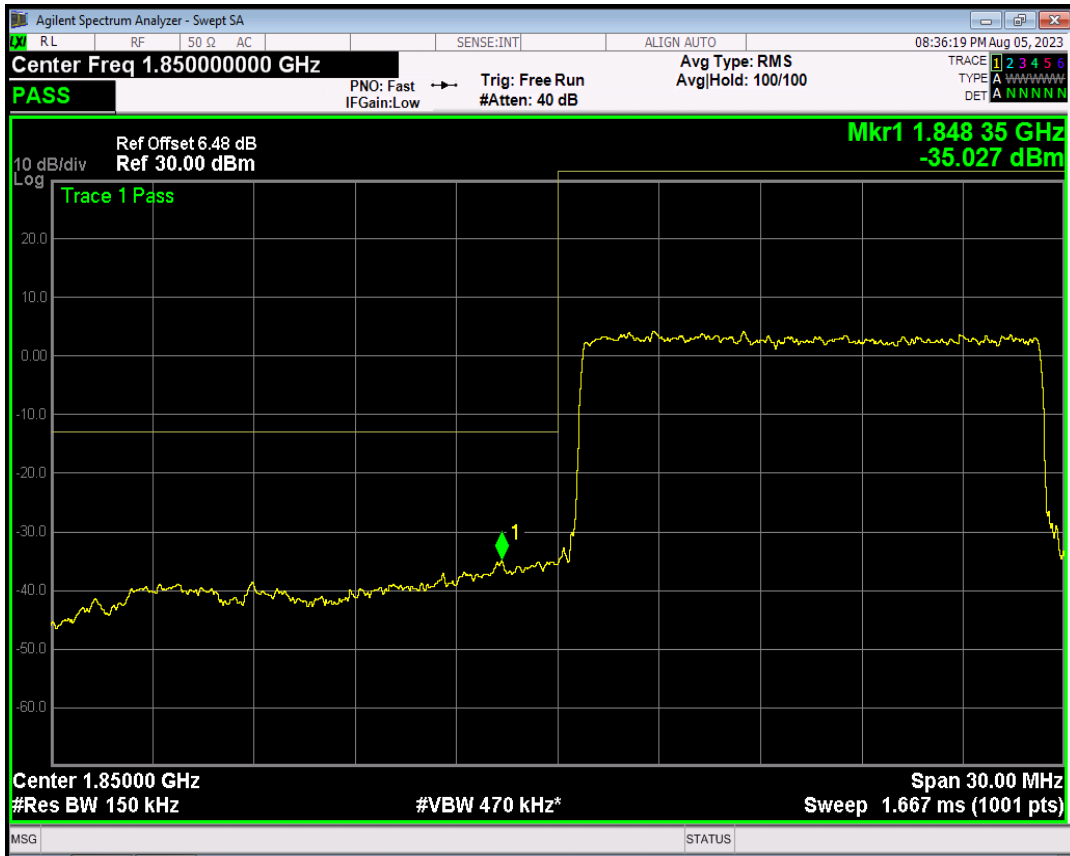


Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0





Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0

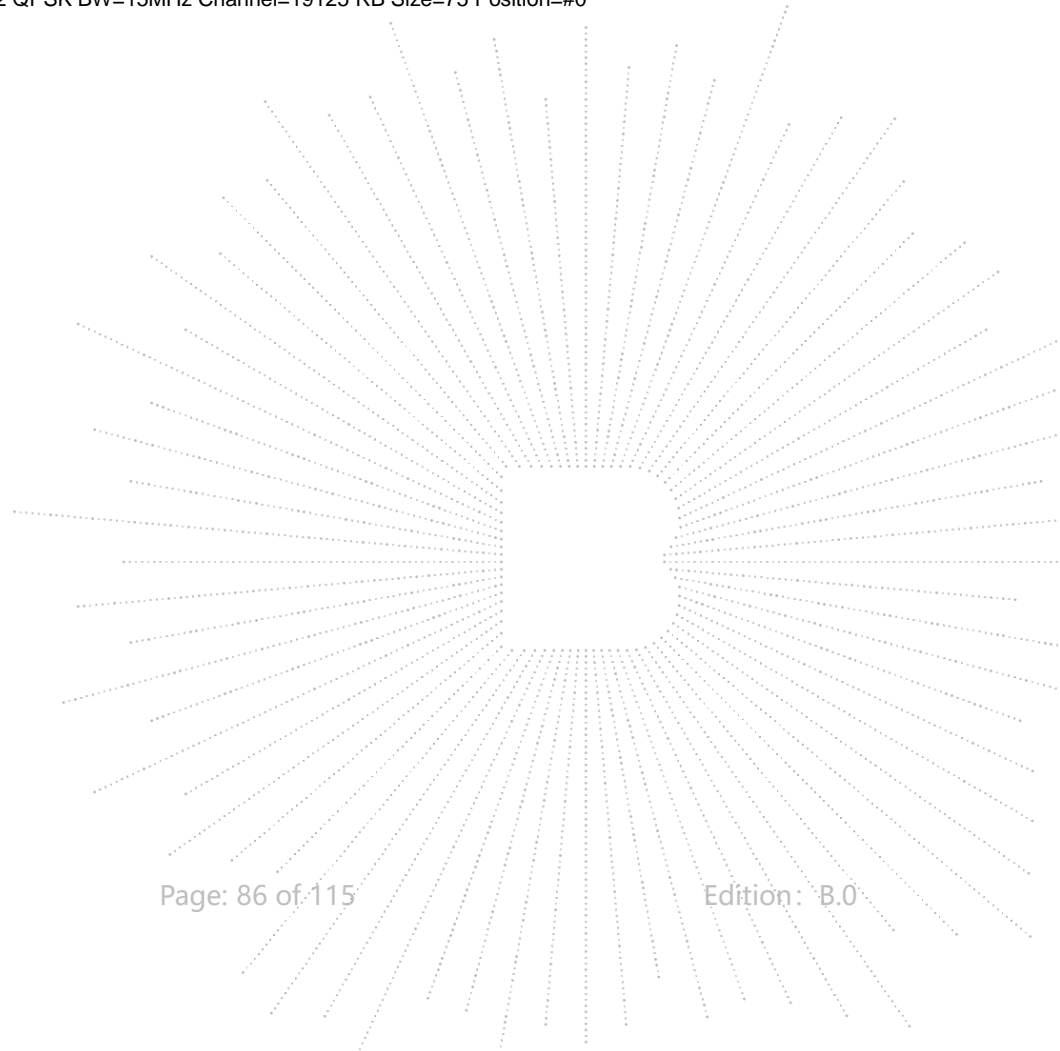




Band2 16QAM BW=15MHz Channel=18675 RB Size=75 Position=#0



Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0





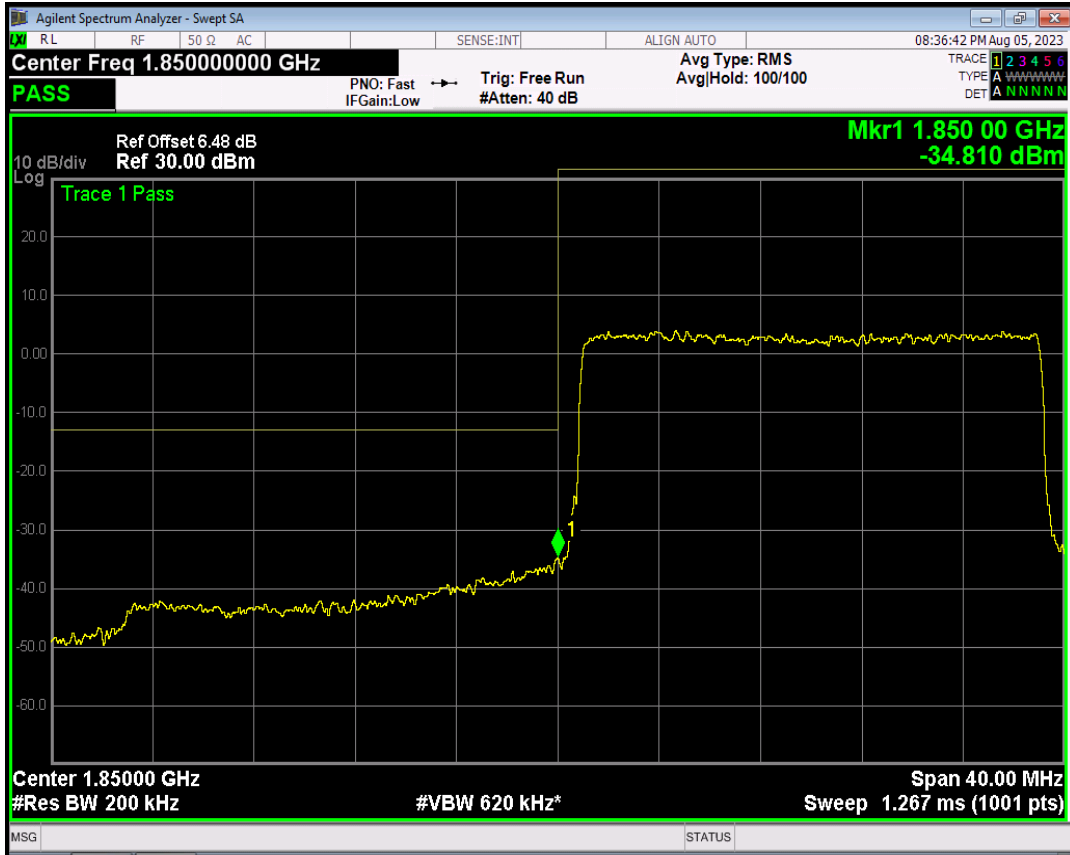
Band2 16QAM BW=15MHz Channel=19125 RB Size=75 Position=#0



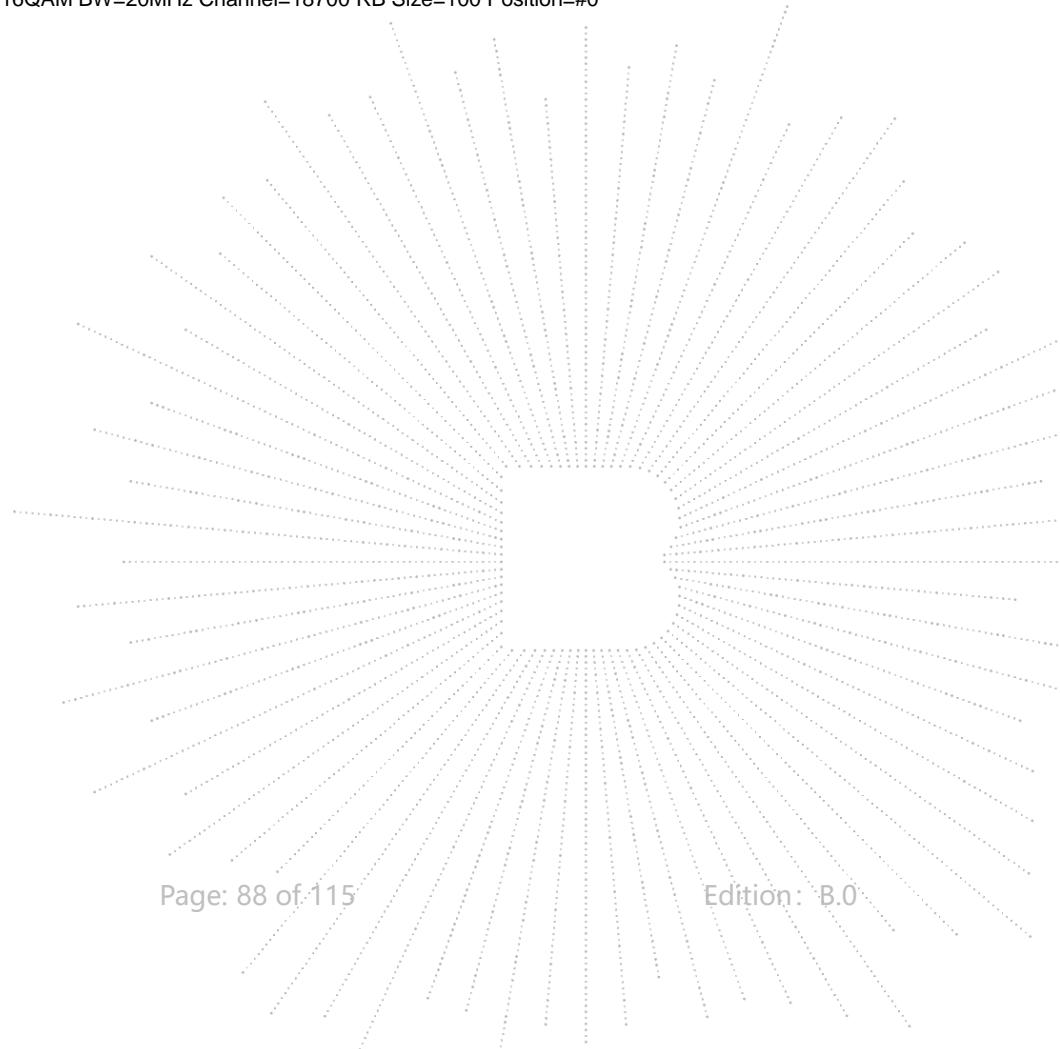


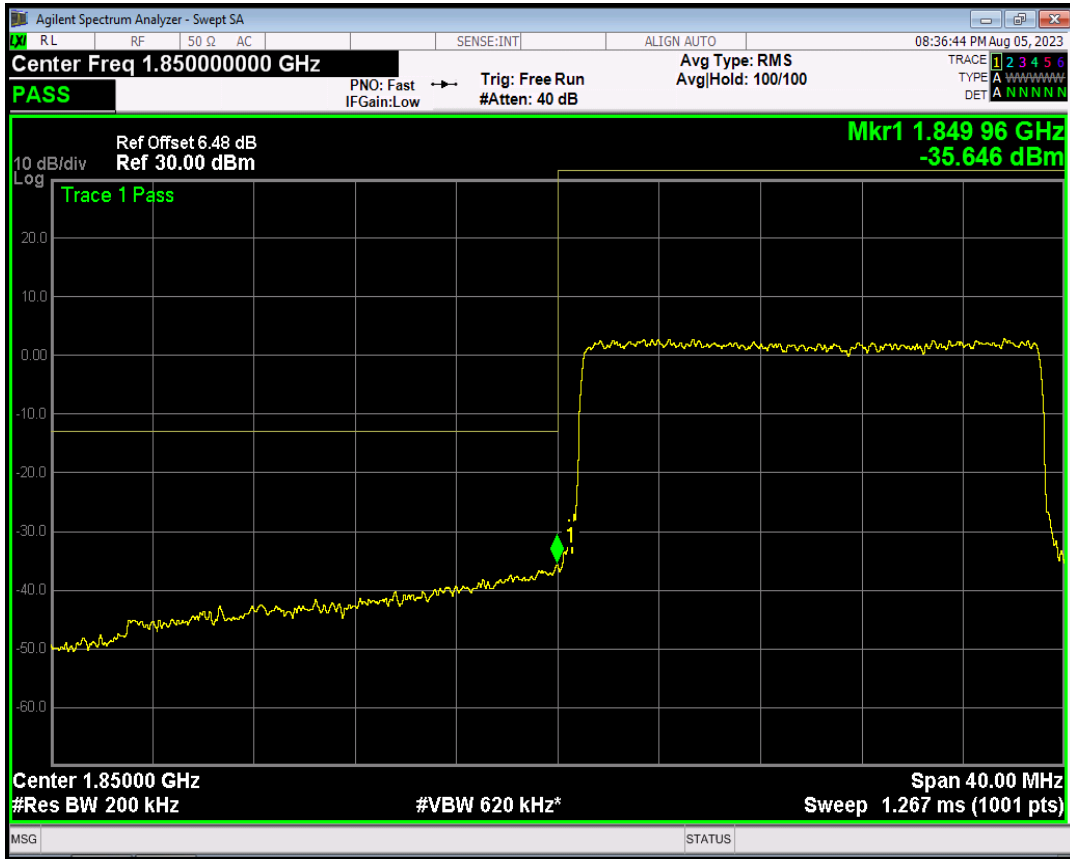


Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



Band2 16QAM BW=20MHz Channel=18700 RB Size=100 Position=#0



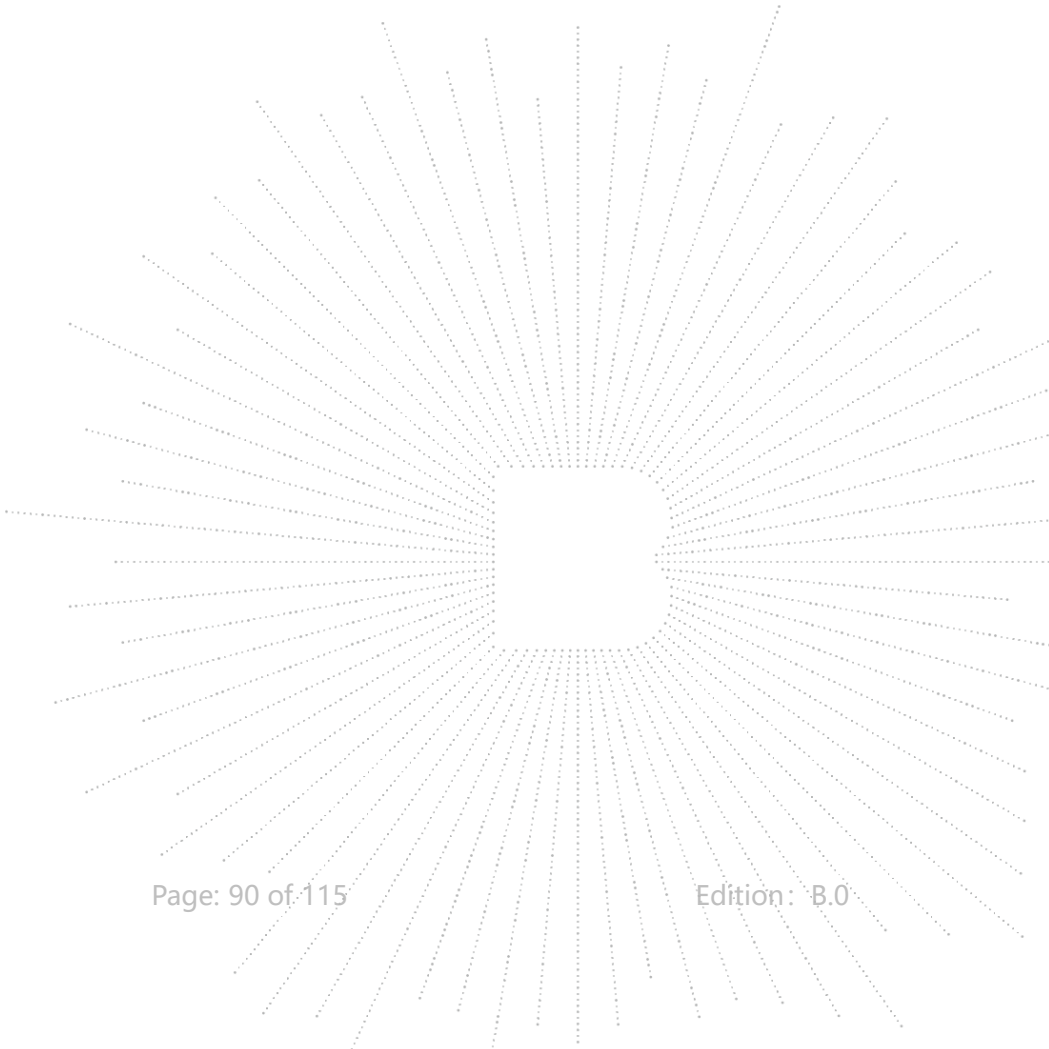
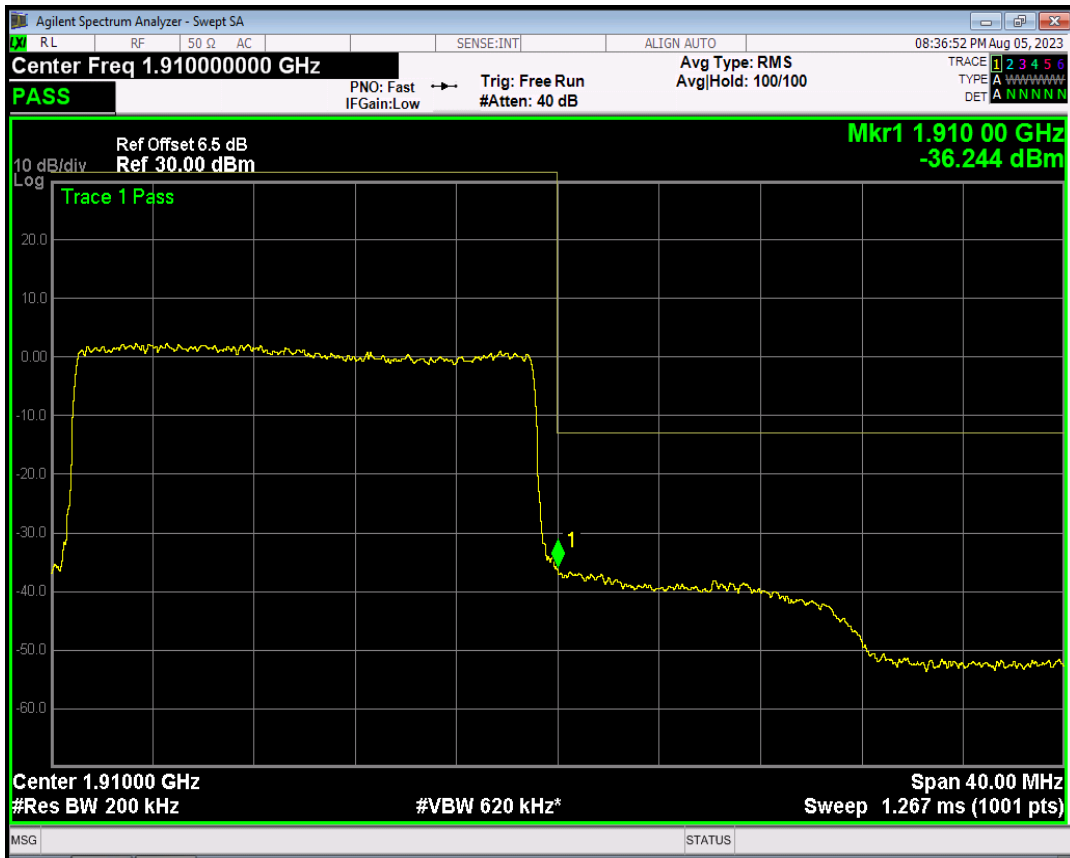


Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0





Band2 16QAM BW=20MHz Channel=19100 RB Size=100 Position=#0

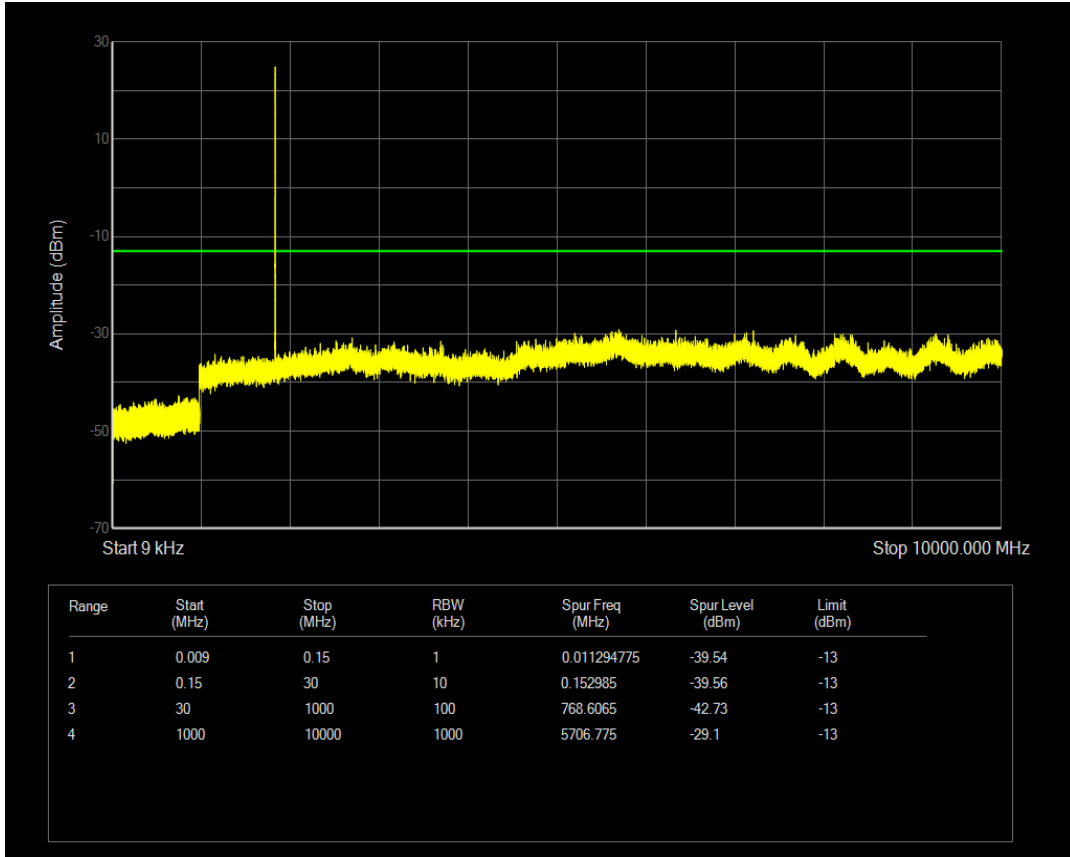


**Appendix 6. Out-of-band emissions**

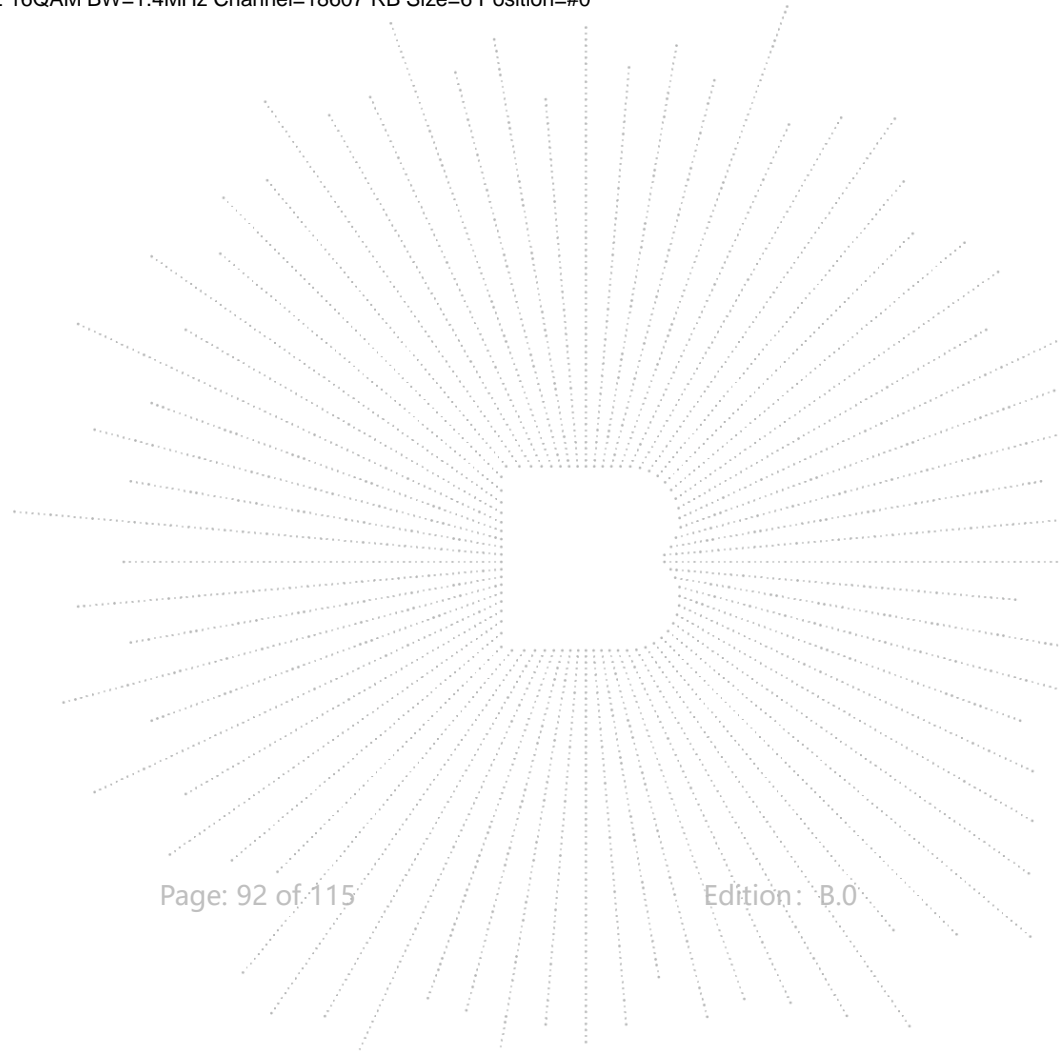
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band2	1.4	18607	6	#0	QPSK	5706.78	-29.10	-13	PASS
Band2	1.4	18607	6	#0	16QAM	5830.30	-29.16	-13	PASS
Band2	1.4	18900	6	#0	QPSK	5673.03	-28.81	-13	PASS
Band2	1.4	18900	6	#0	16QAM	5711.05	-28.15	-13	PASS
Band2	1.4	19193	6	#0	QPSK	5531.50	-28.87	-13	PASS
Band2	1.4	19193	6	#0	16QAM	5698.00	-29.08	-13	PASS
Band2	3	18615	15	#0	QPSK	5180.95	-29.33	-13	PASS
Band2	3	18615	15	#0	16QAM	5734.23	-28.75	-13	PASS
Band2	3	18900	15	#0	QPSK	8233.30	-28.59	-13	PASS
Band2	3	18900	15	#0	16QAM	5709.25	-28.60	-13	PASS
Band2	3	19185	15	#0	QPSK	5698.45	-28.82	-13	PASS
Band2	3	19185	15	#0	16QAM	5793.63	-29.00	-13	PASS
Band2	5	18625	25	#0	QPSK	5689.00	-28.19	-13	PASS
Band2	5	18625	25	#0	16QAM	5821.08	-29.14	-13	PASS
Band2	5	18900	25	#0	QPSK	5715.55	-28.75	-13	PASS
Band2	5	18900	25	#0	16QAM	7610.50	-29.22	-13	PASS
Band2	5	19175	25	#0	QPSK	7142.05	-29.17	-13	PASS
Band2	5	19175	25	#0	16QAM	5733.78	-29.61	-13	PASS
Band2	10	18650	50	#0	QPSK	5663.35	-28.74	-13	PASS
Band2	10	18650	50	#0	16QAM	8218.90	-29.32	-13	PASS
Band2	10	18900	50	#0	QPSK	9277.98	-29.30	-13	PASS
Band2	10	18900	50	#0	16QAM	5756.73	-28.67	-13	PASS
Band2	10	19150	50	#0	QPSK	5688.10	-28.95	-13	PASS
Band2	10	19150	50	#0	16QAM	5733.78	-29.18	-13	PASS
Band2	15	18675	75	#0	QPSK	5583.93	-28.12	-13	PASS
Band2	15	18675	75	#0	16QAM	5676.85	-29.34	-13	PASS
Band2	15	18900	75	#0	QPSK	5762.13	-28.51	-13	PASS
Band2	15	18900	75	#0	16QAM	5709.25	-28.82	-13	PASS
Band2	15	19125	75	#0	QPSK	5695.98	-28.89	-13	PASS
Band2	15	19125	75	#0	16QAM	8145.33	-28.46	-13	PASS
Band2	20	18700	100	#0	QPSK	5777.20	-28.72	-13	PASS
Band2	20	18700	100	#0	16QAM	6541.30	-28.49	-13	PASS
Band2	20	18900	100	#0	QPSK	5674.15	-28.52	-13	PASS
Band2	20	18900	100	#0	16QAM	9974.80	-28.77	-13	PASS
Band2	20	19100	100	#0	QPSK	7142.95	-28.70	-13	PASS
Band2	20	19100	100	#0	16QAM	5690.13	-27.93	-13	PASS

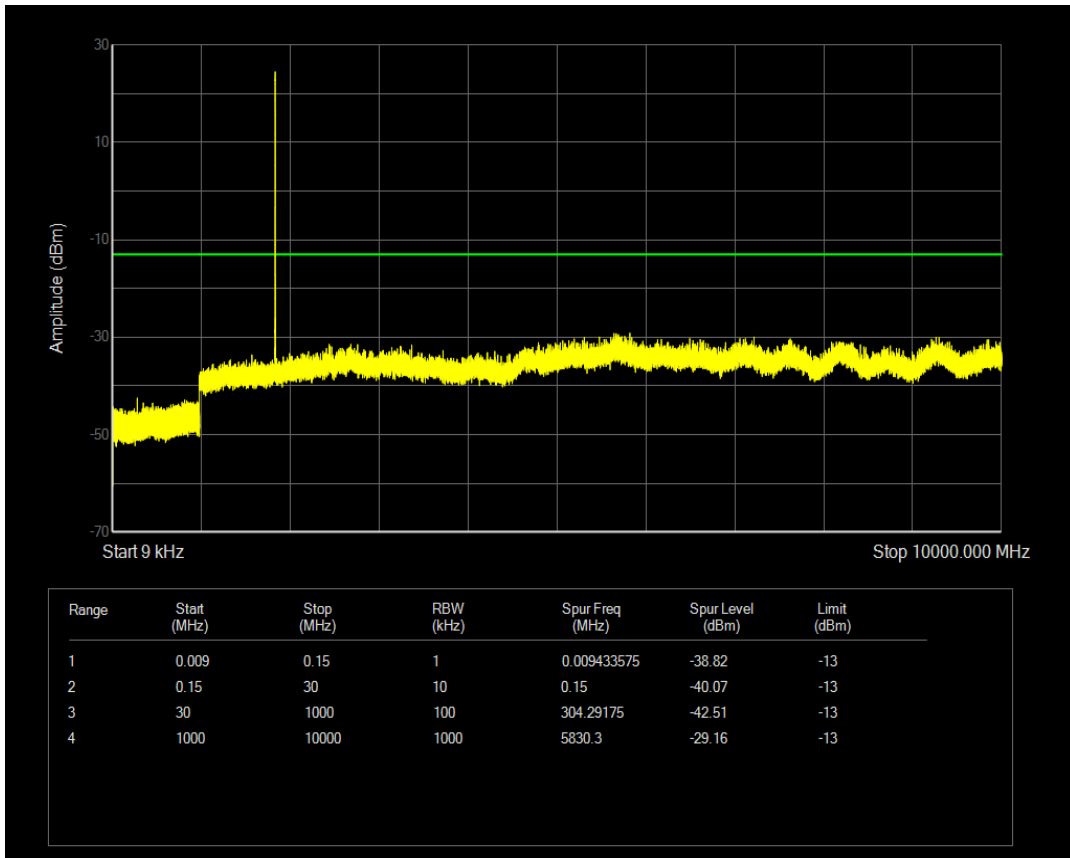


Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0

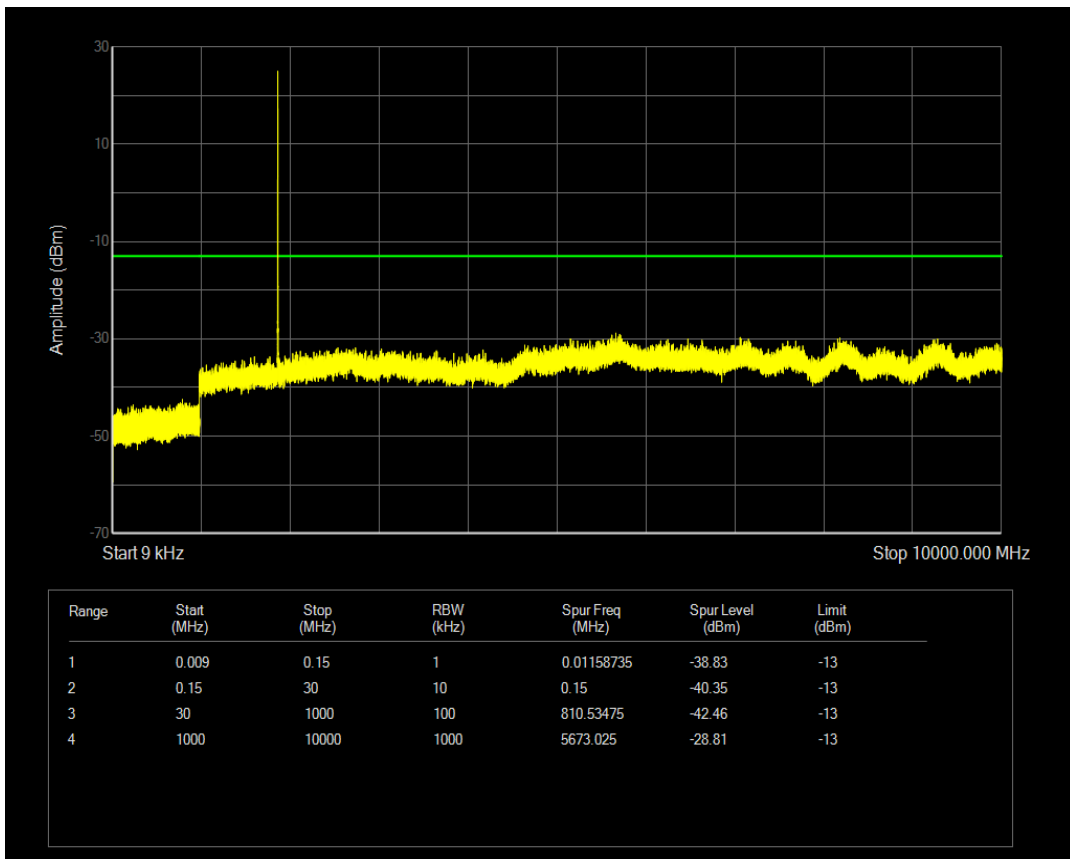


Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



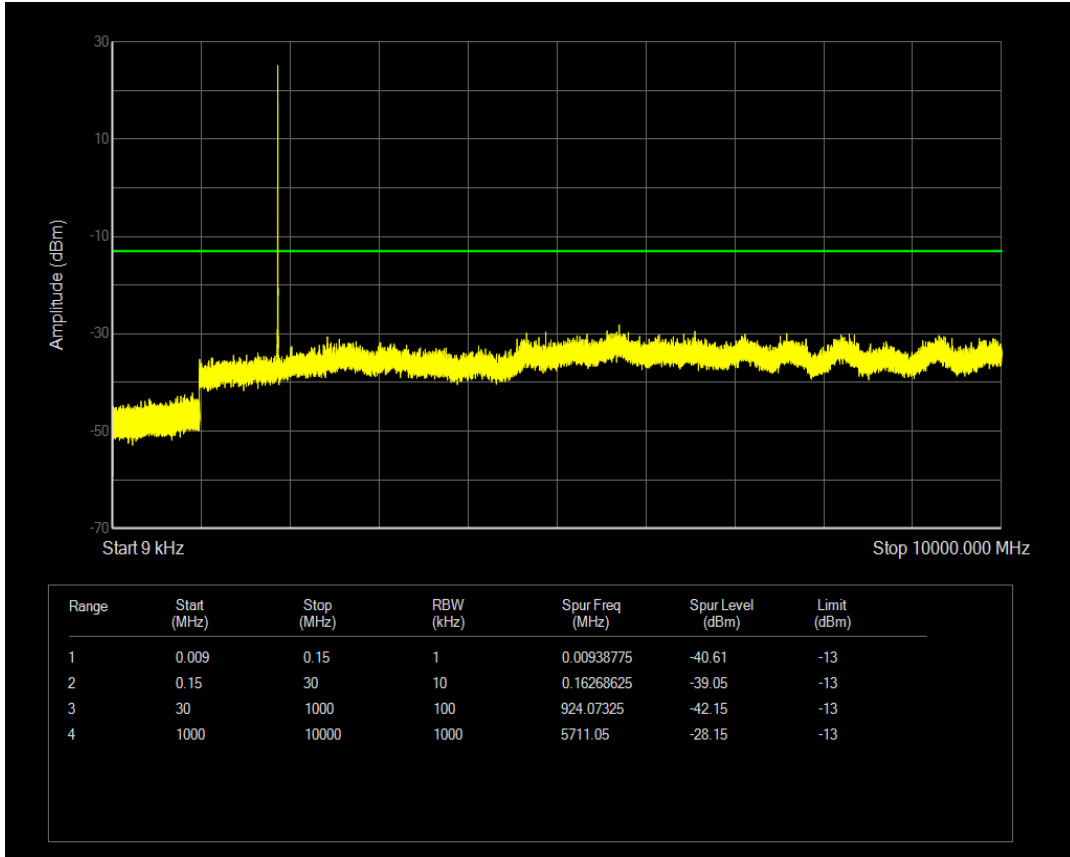


Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0

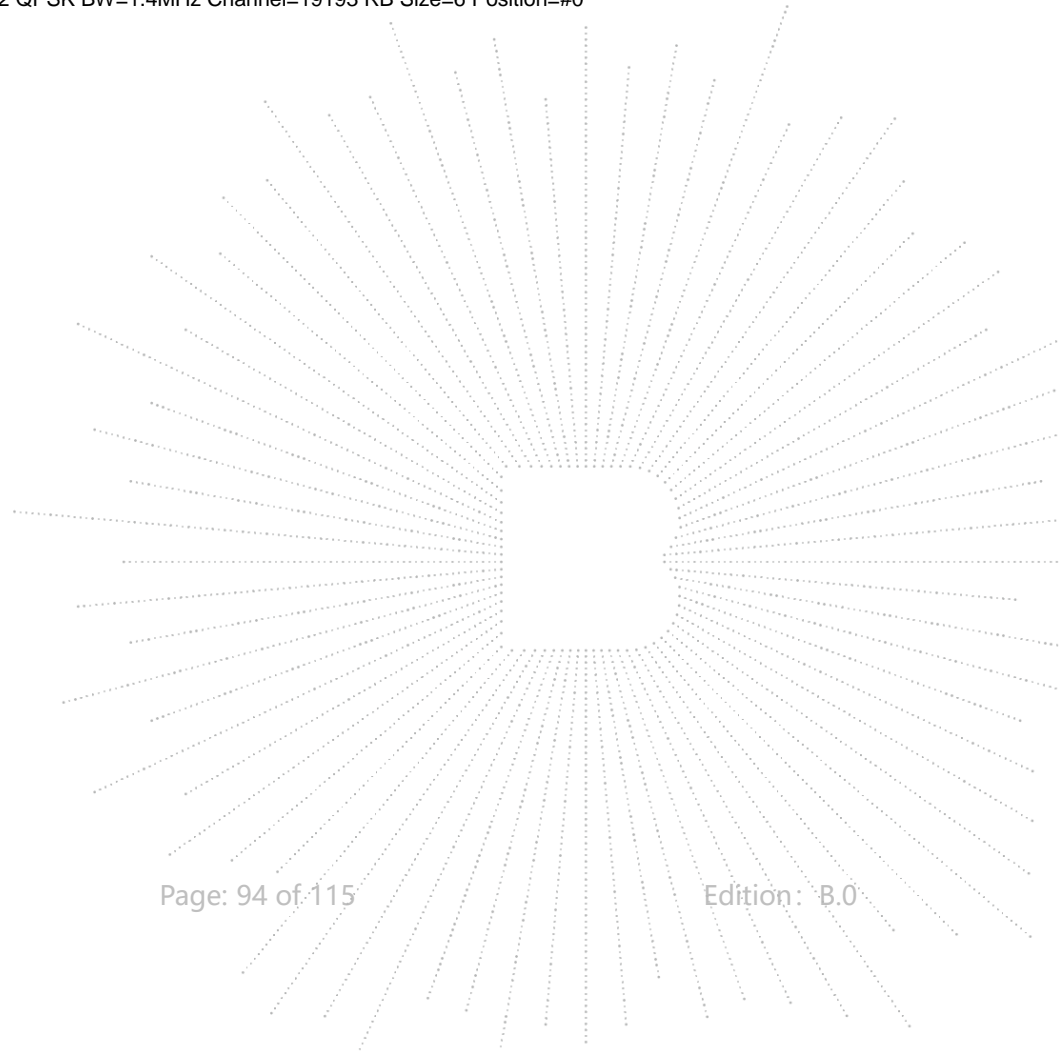


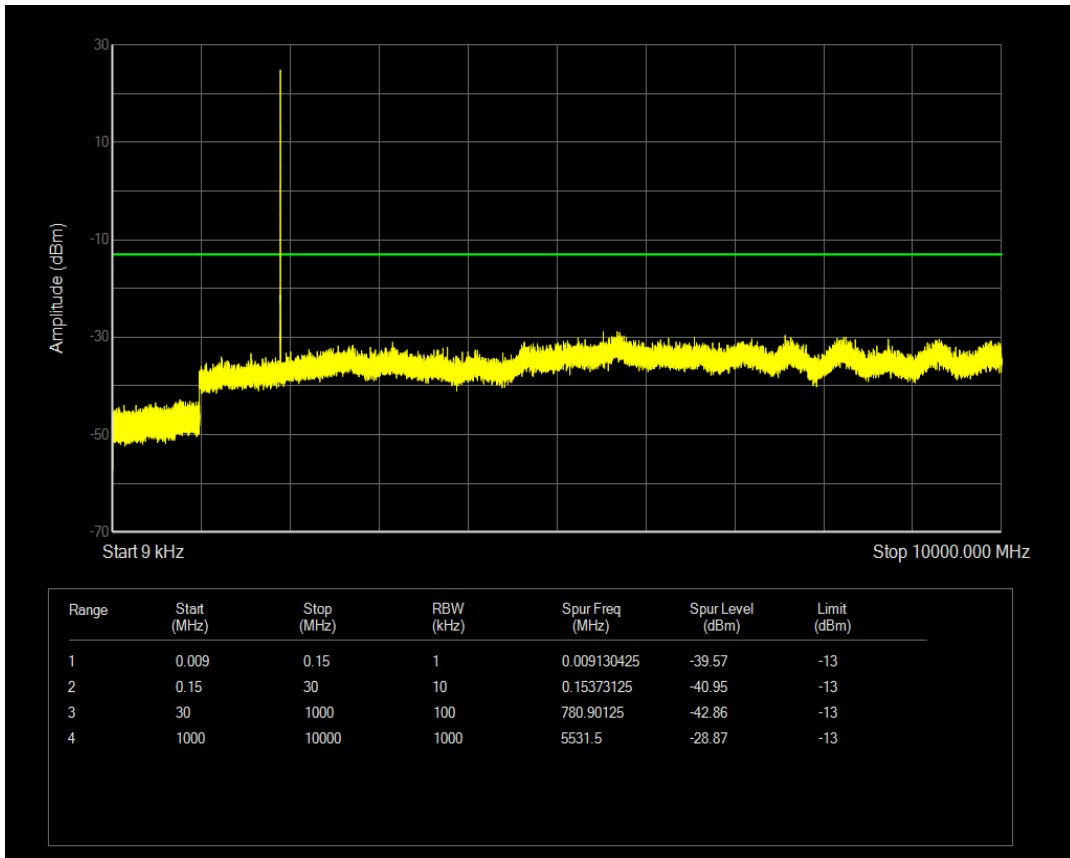


Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0

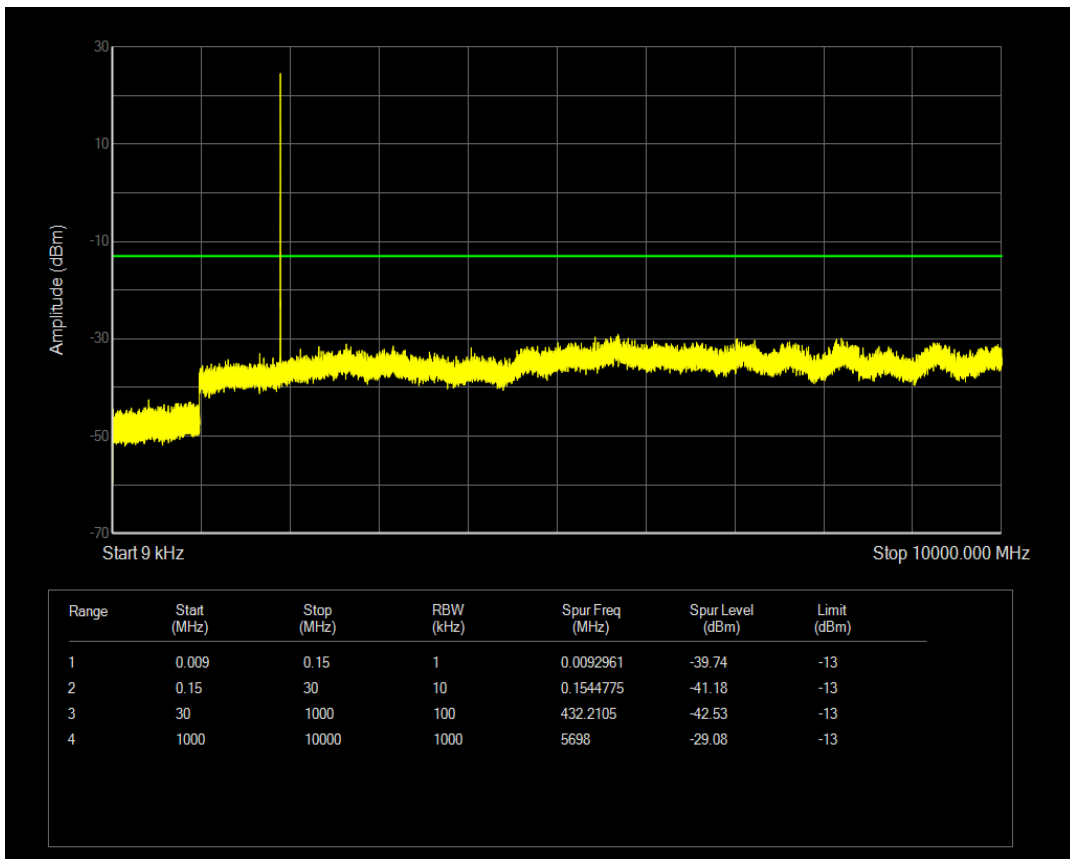


Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0





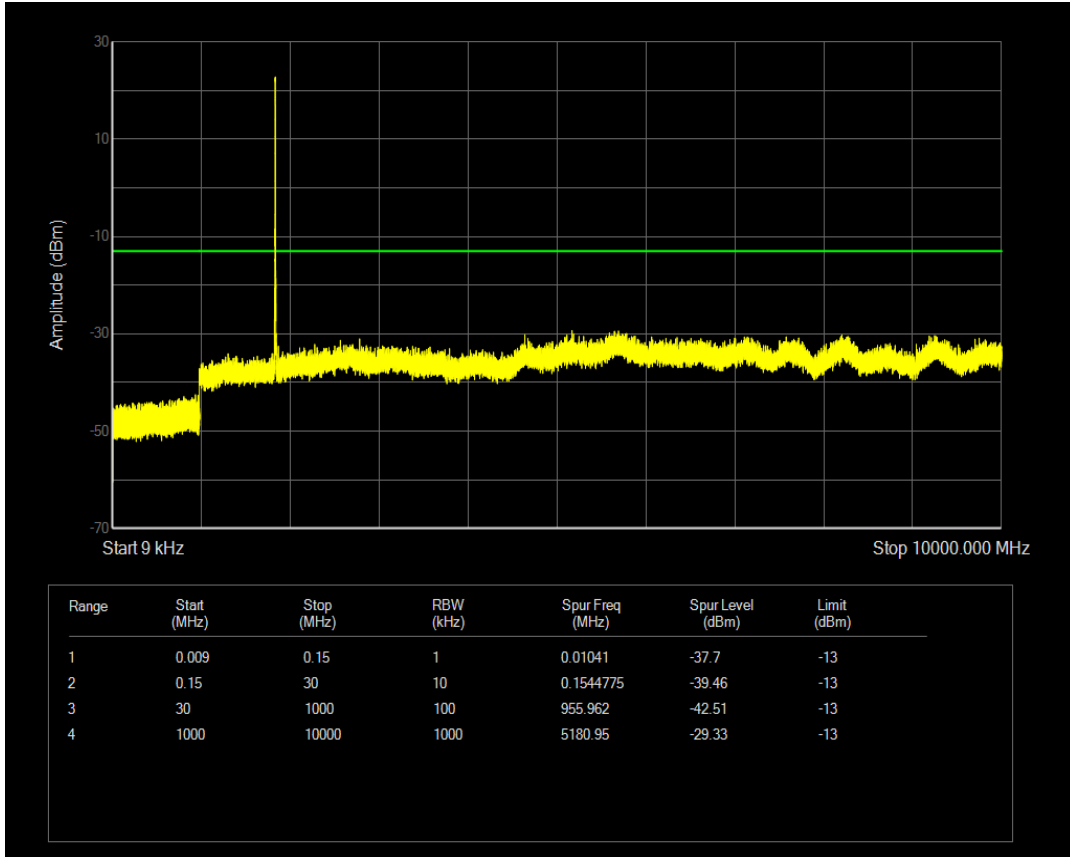
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



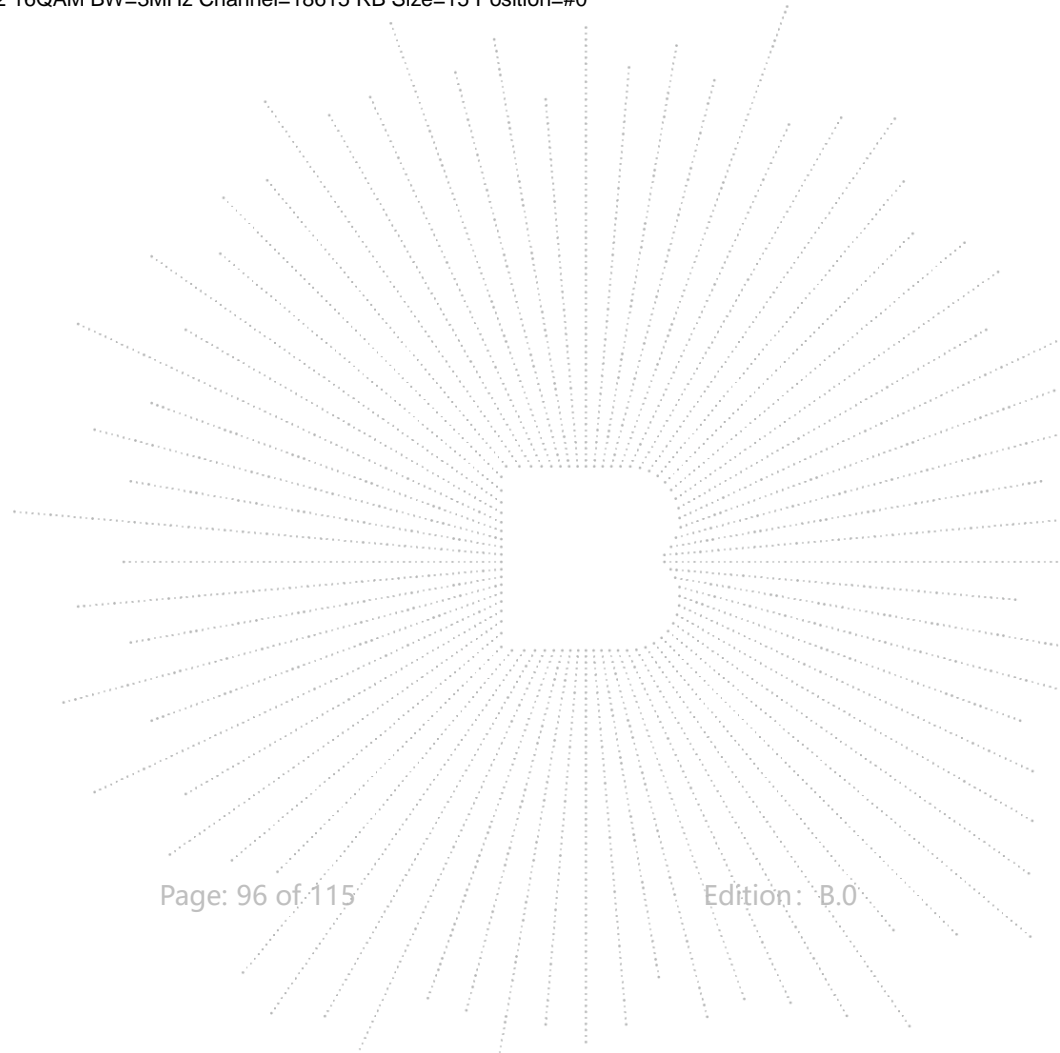


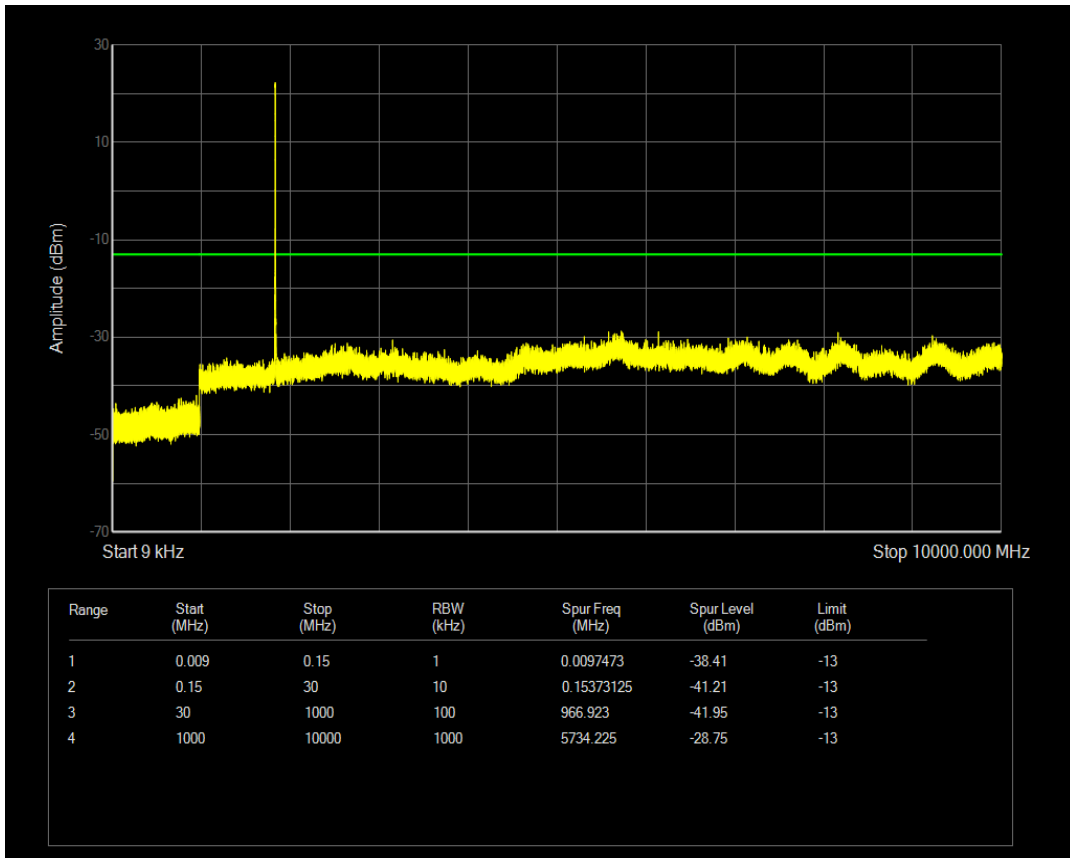


Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0

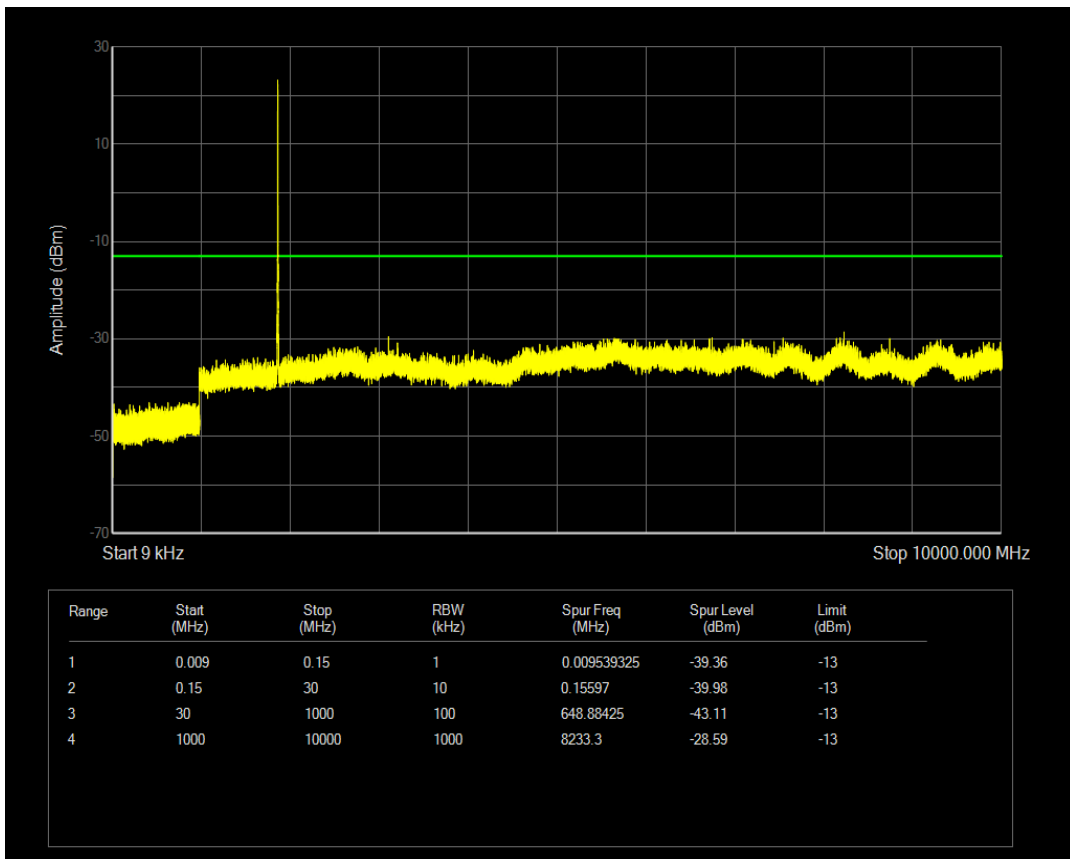


Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



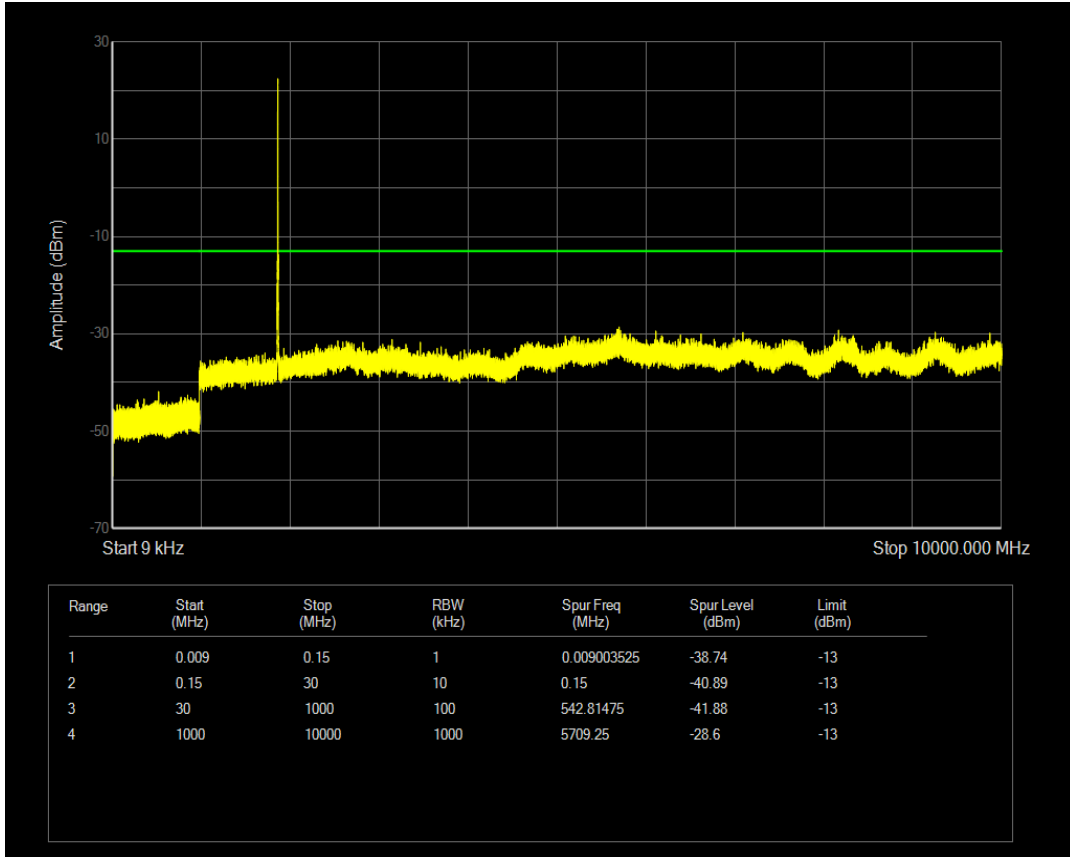


Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0

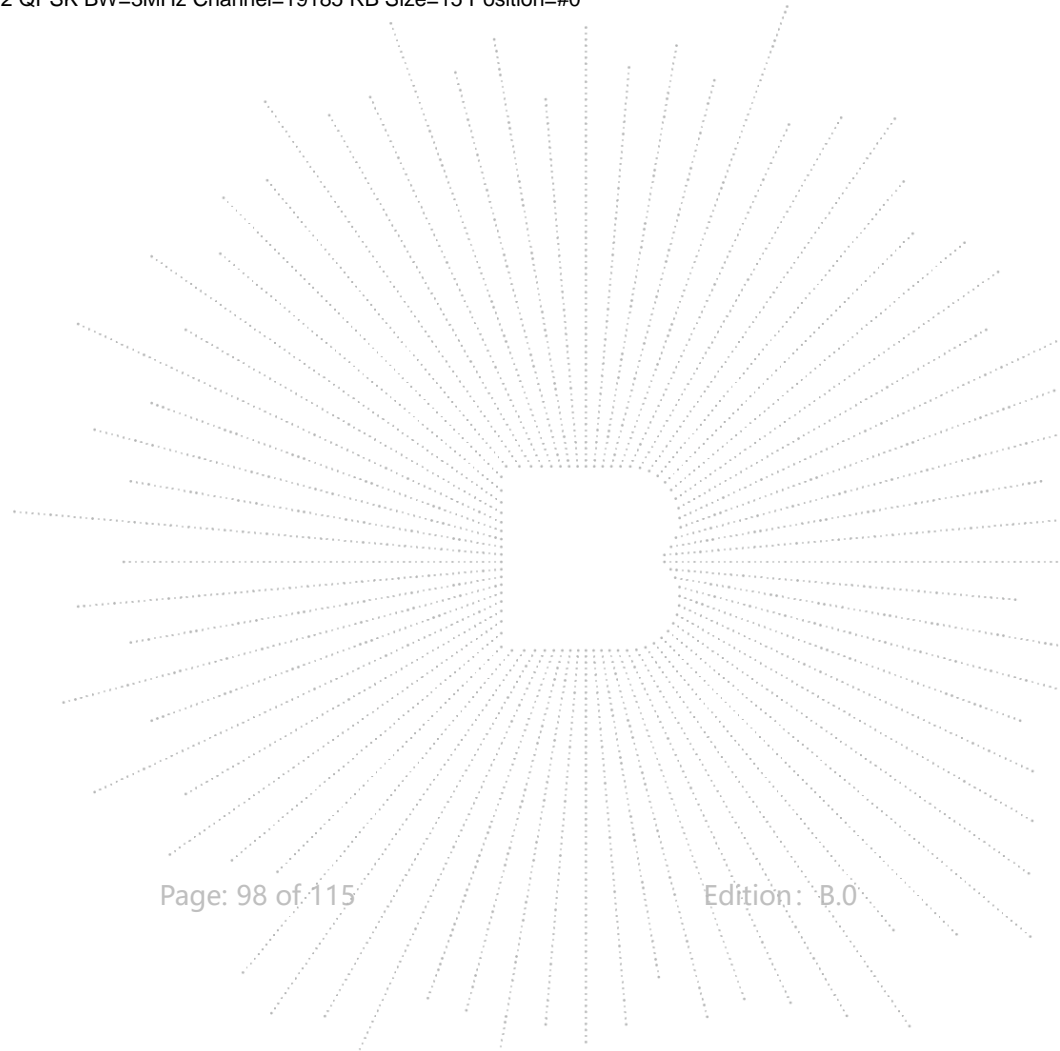


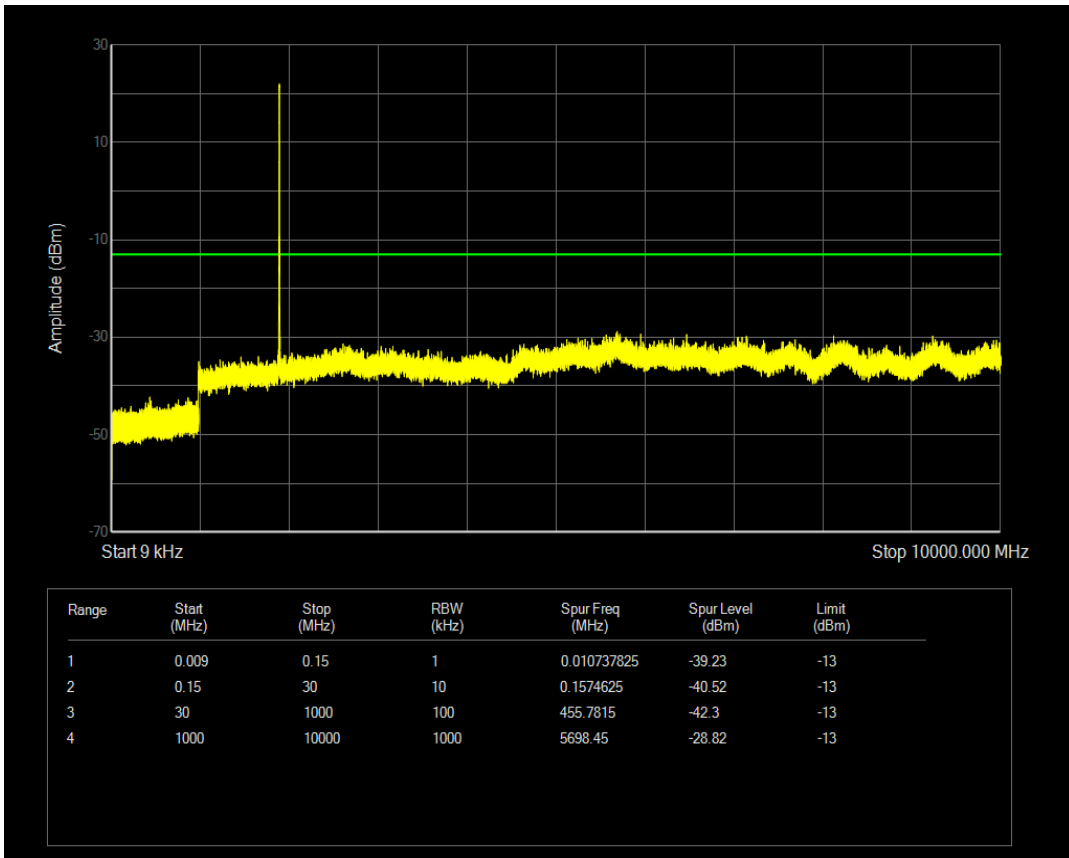


Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0

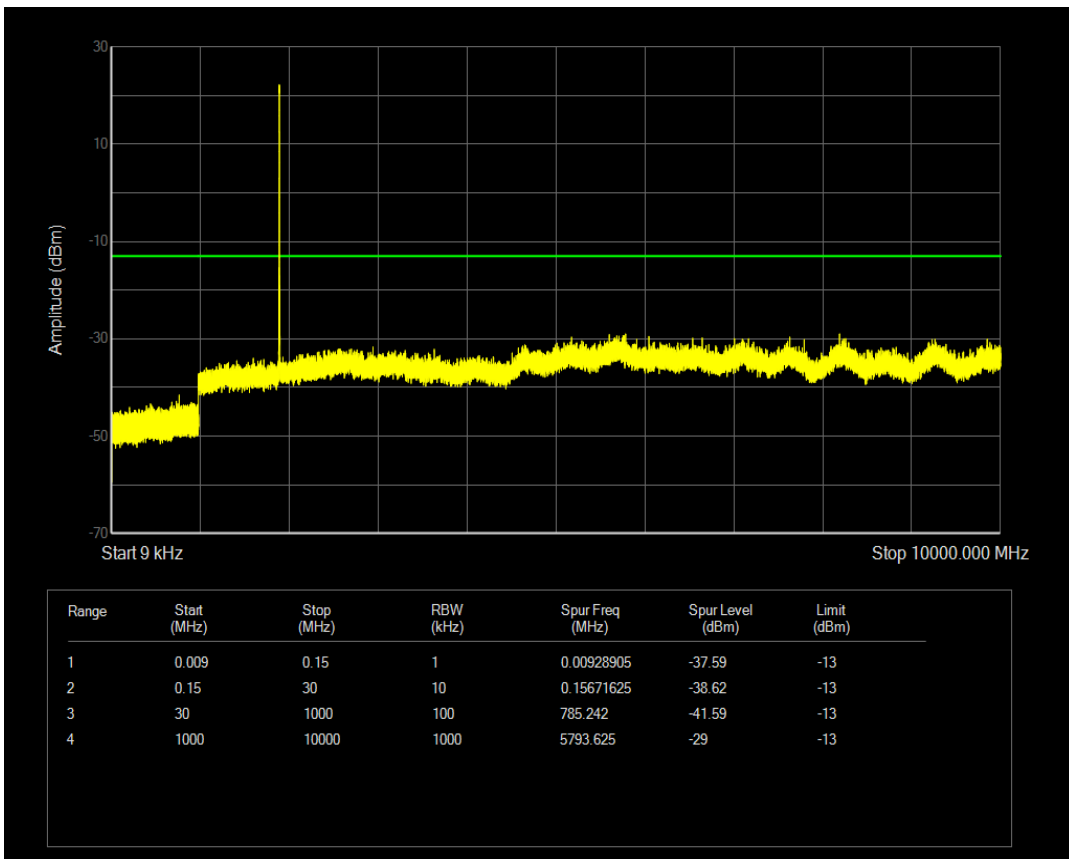


Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



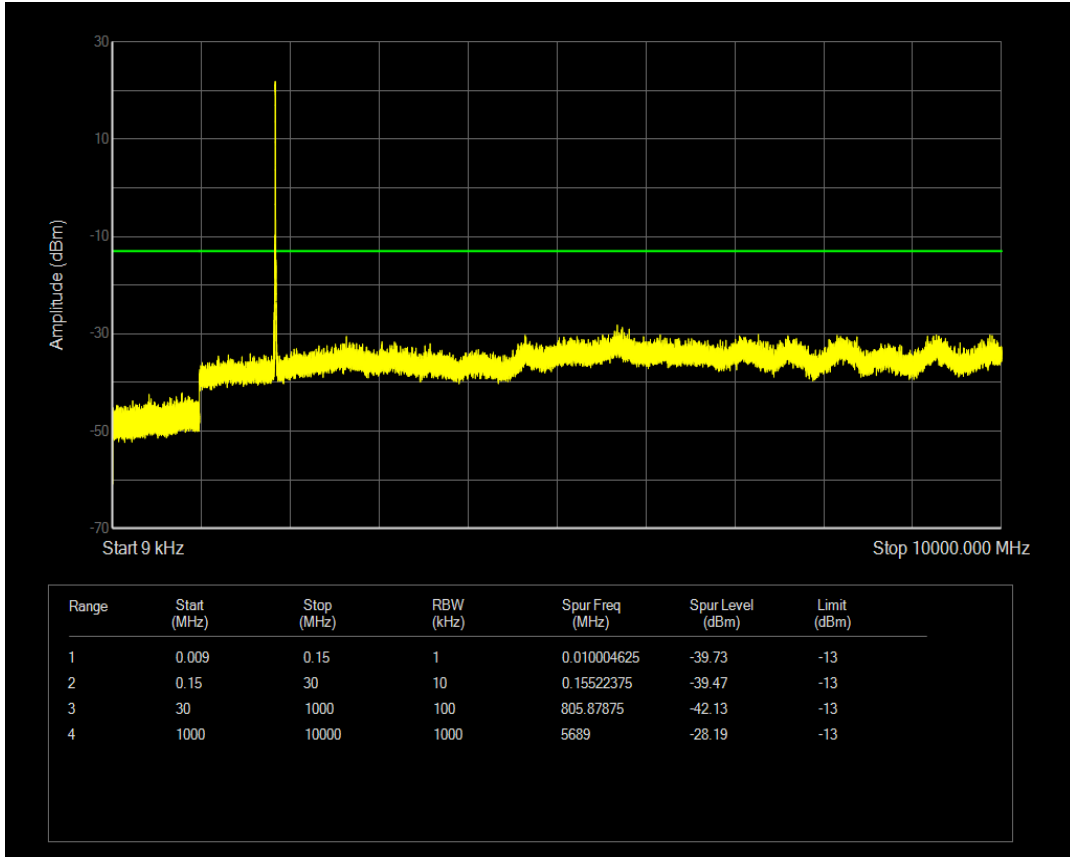


Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0

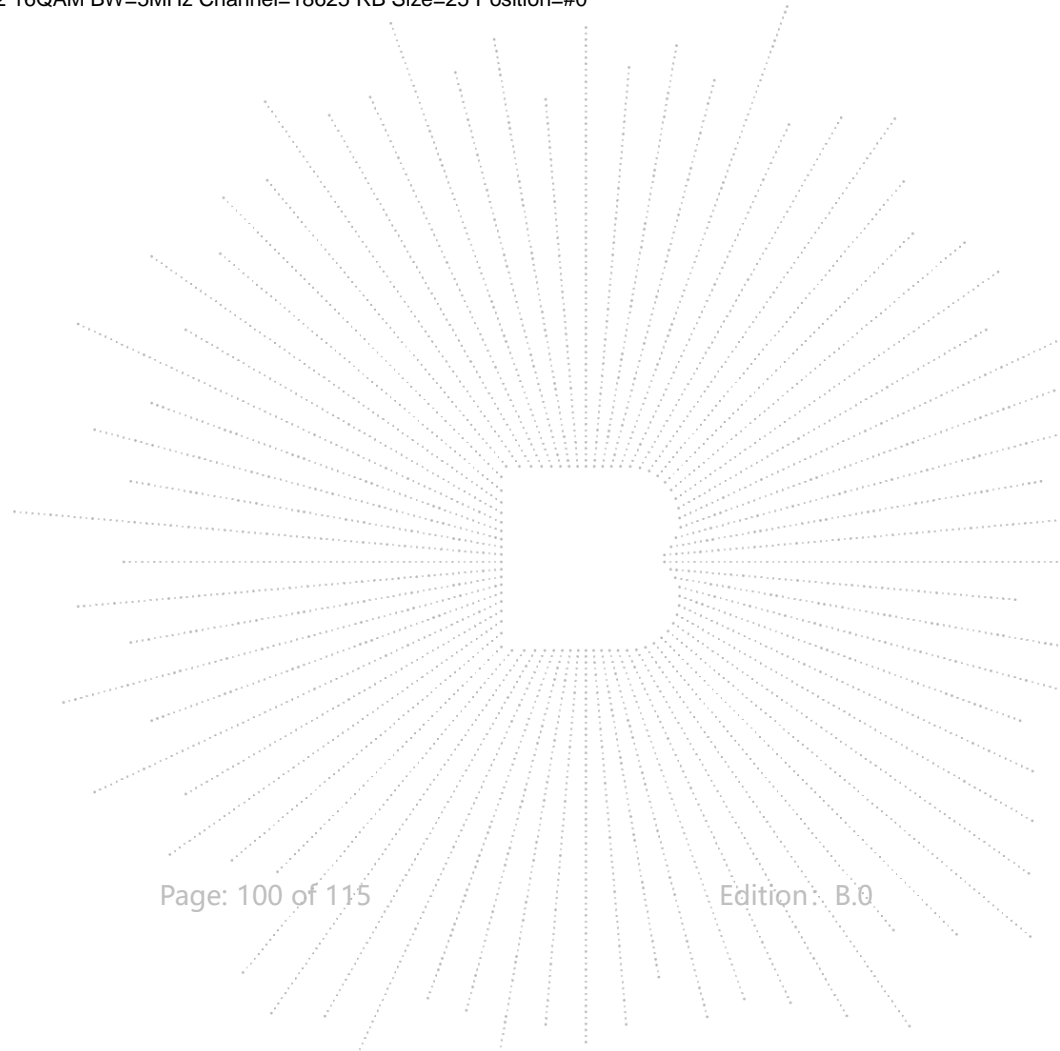


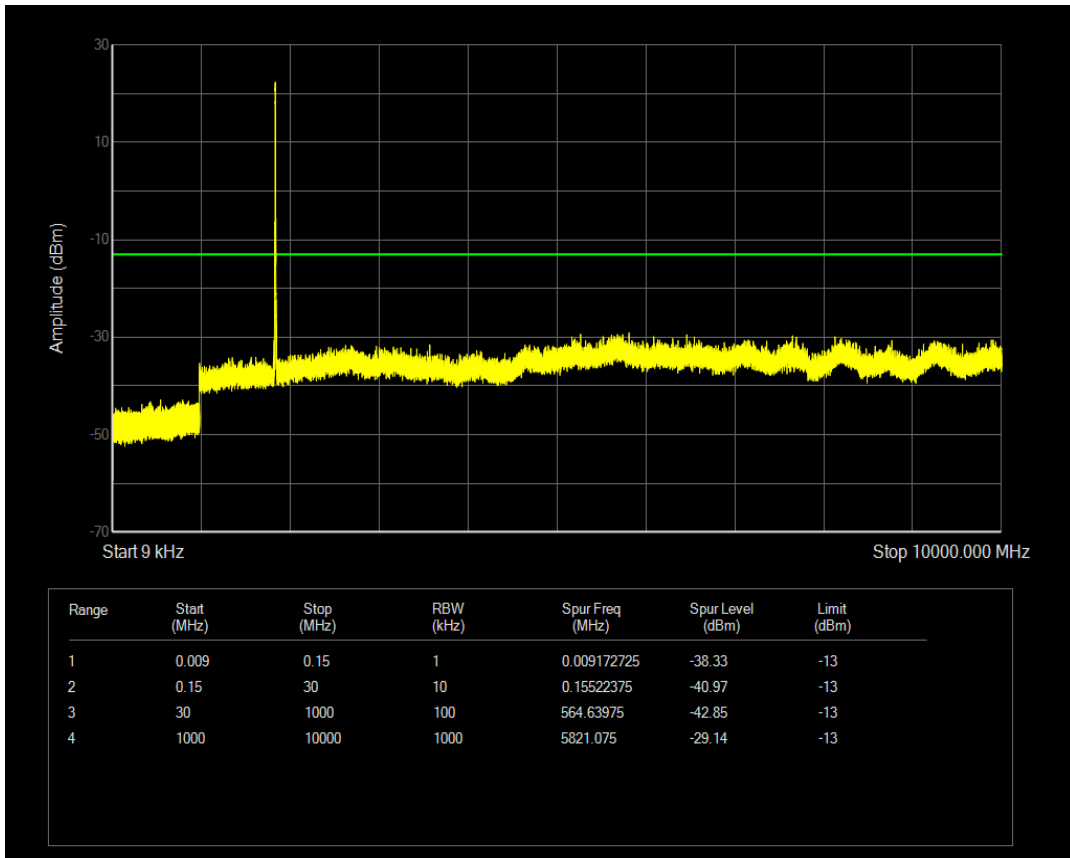


Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0

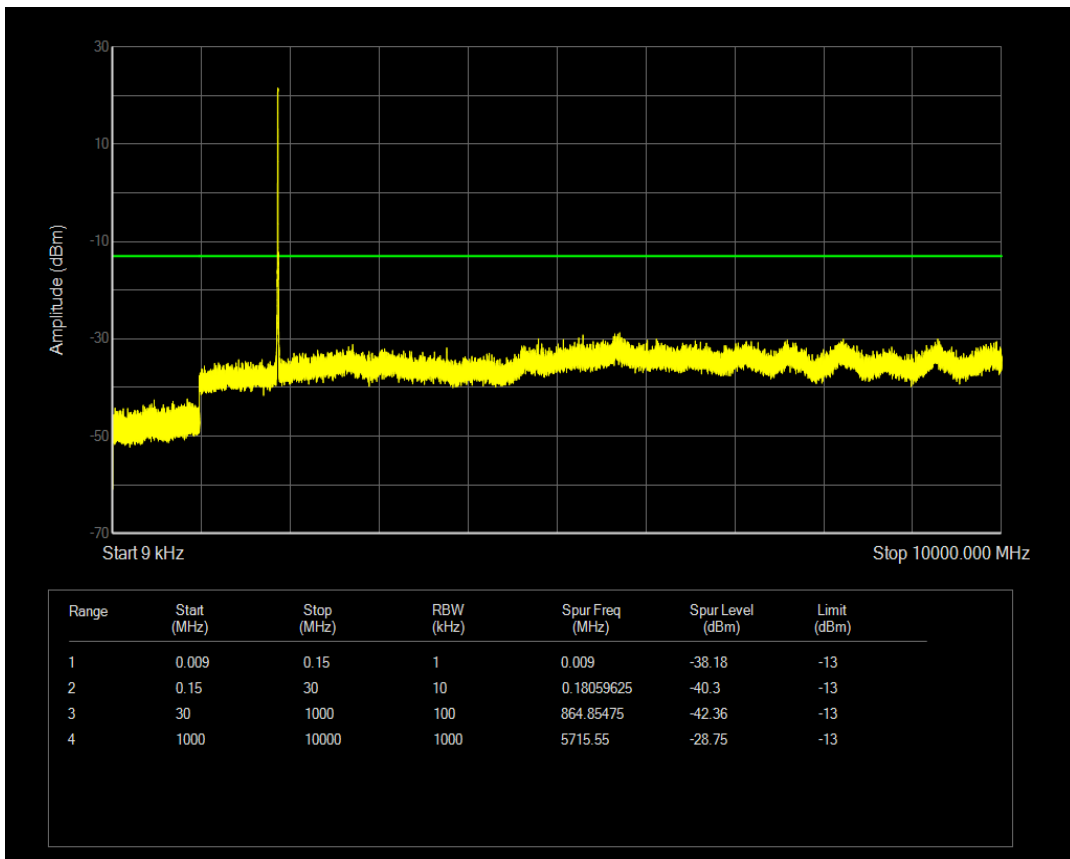


Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



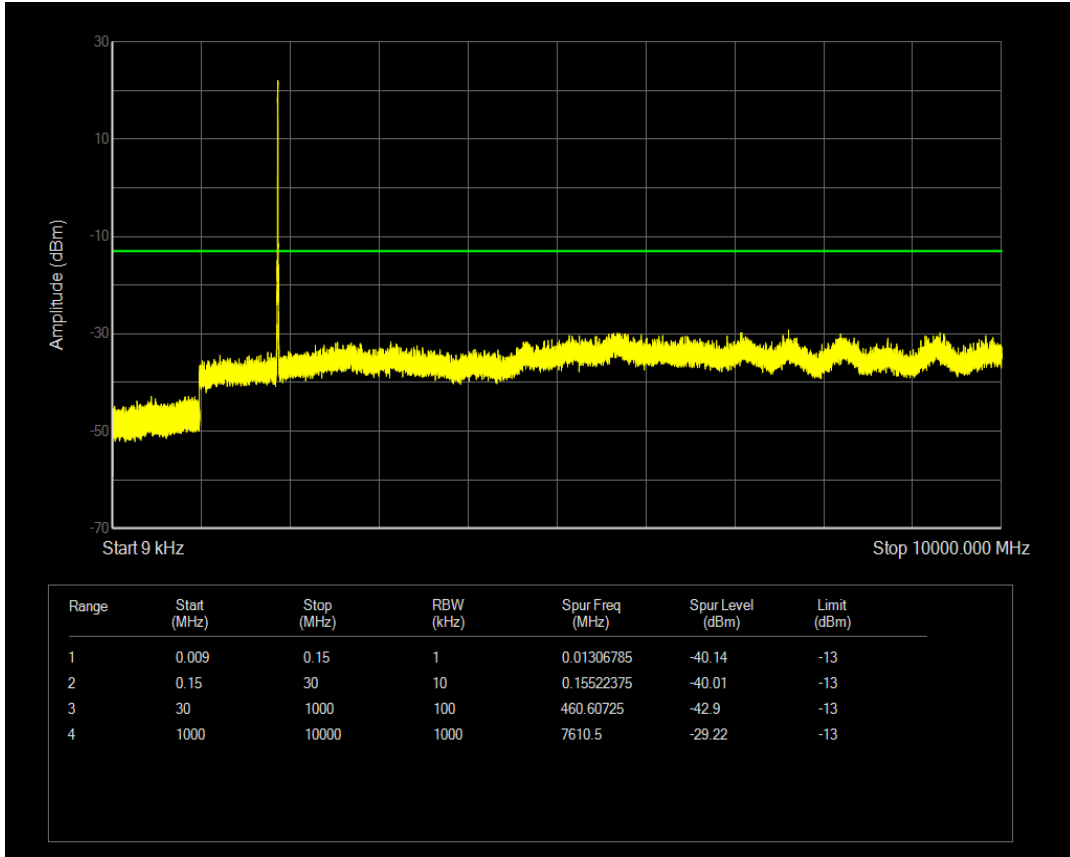


Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0

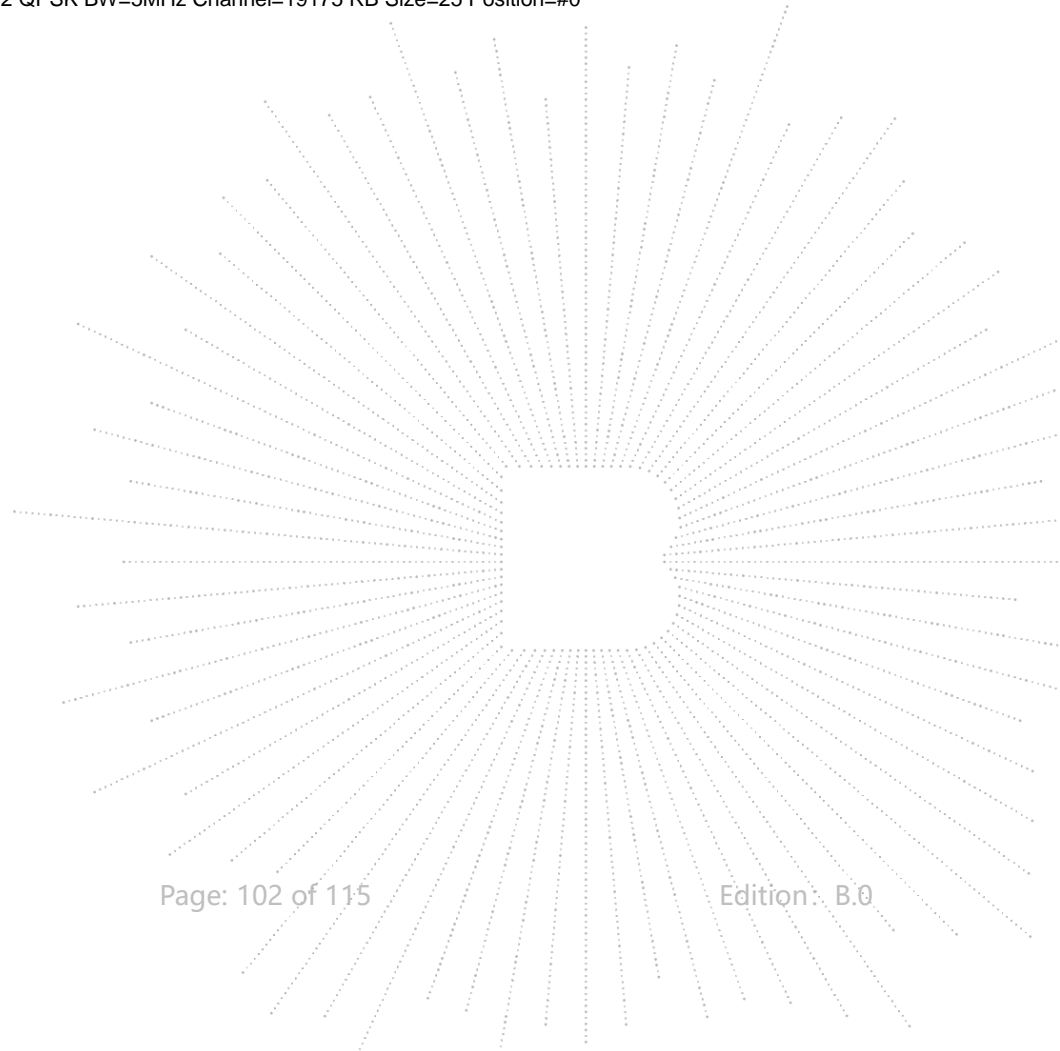


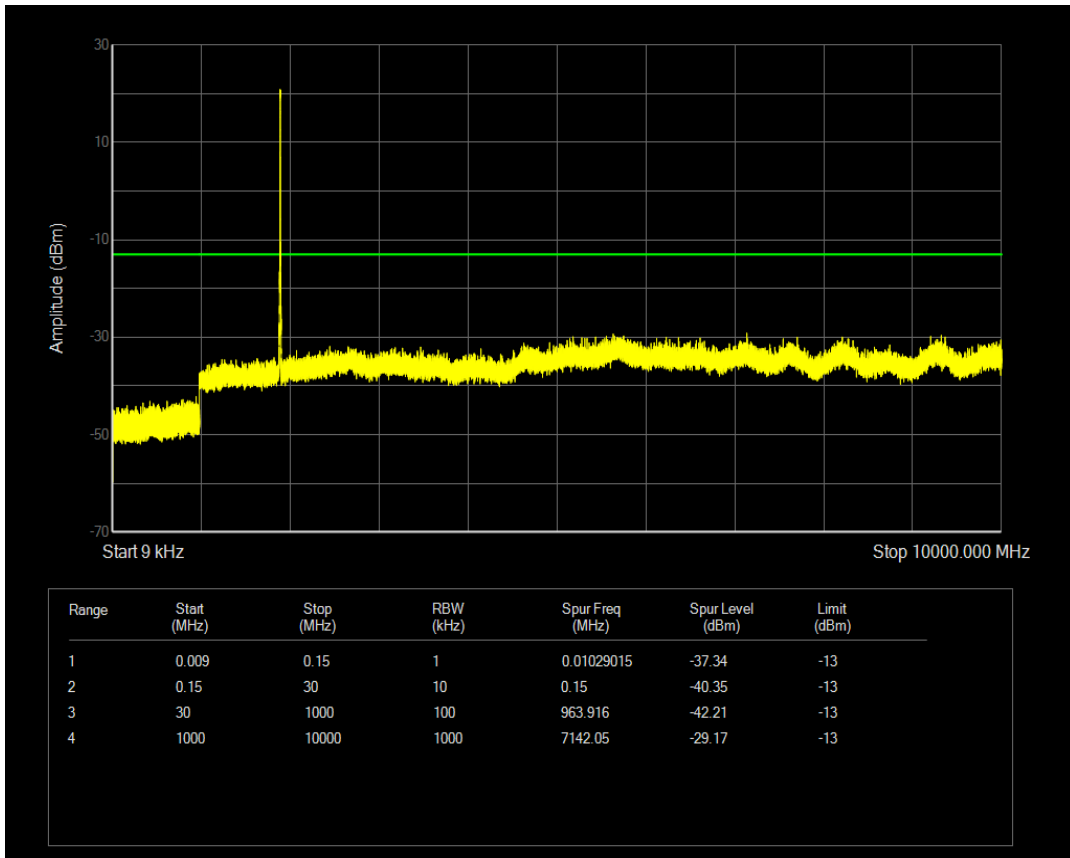


Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0

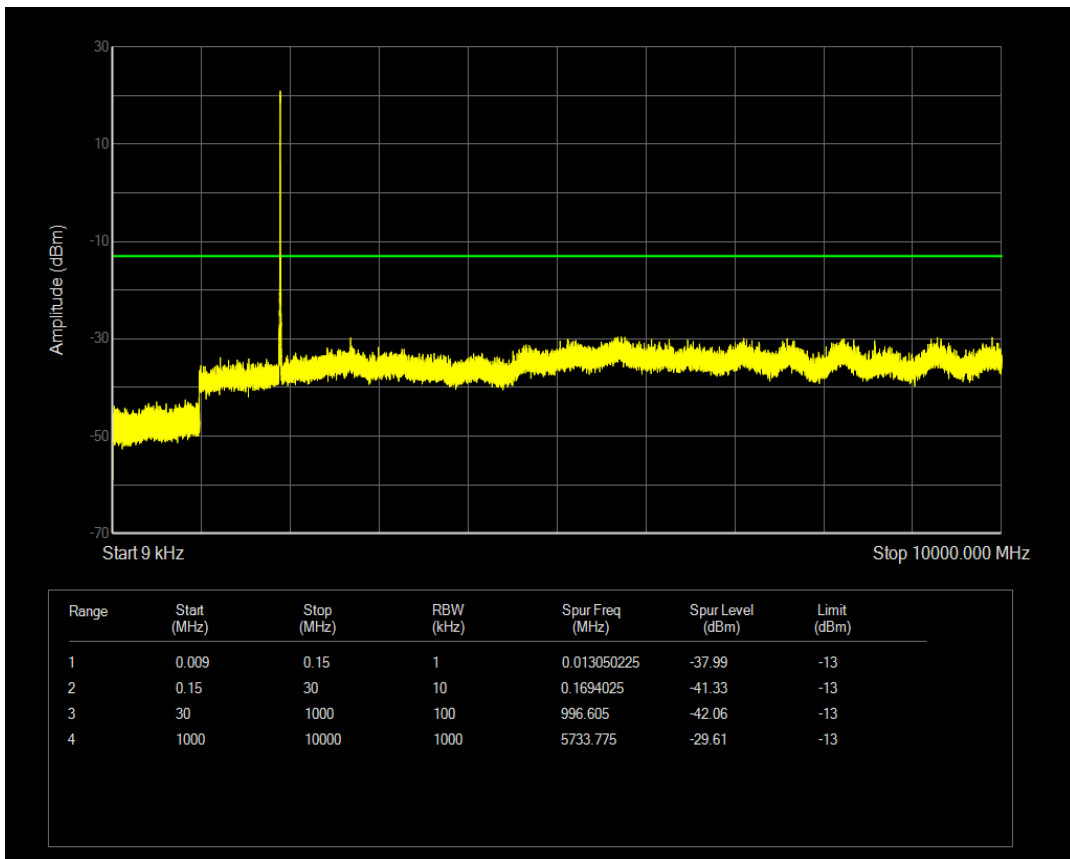


Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0





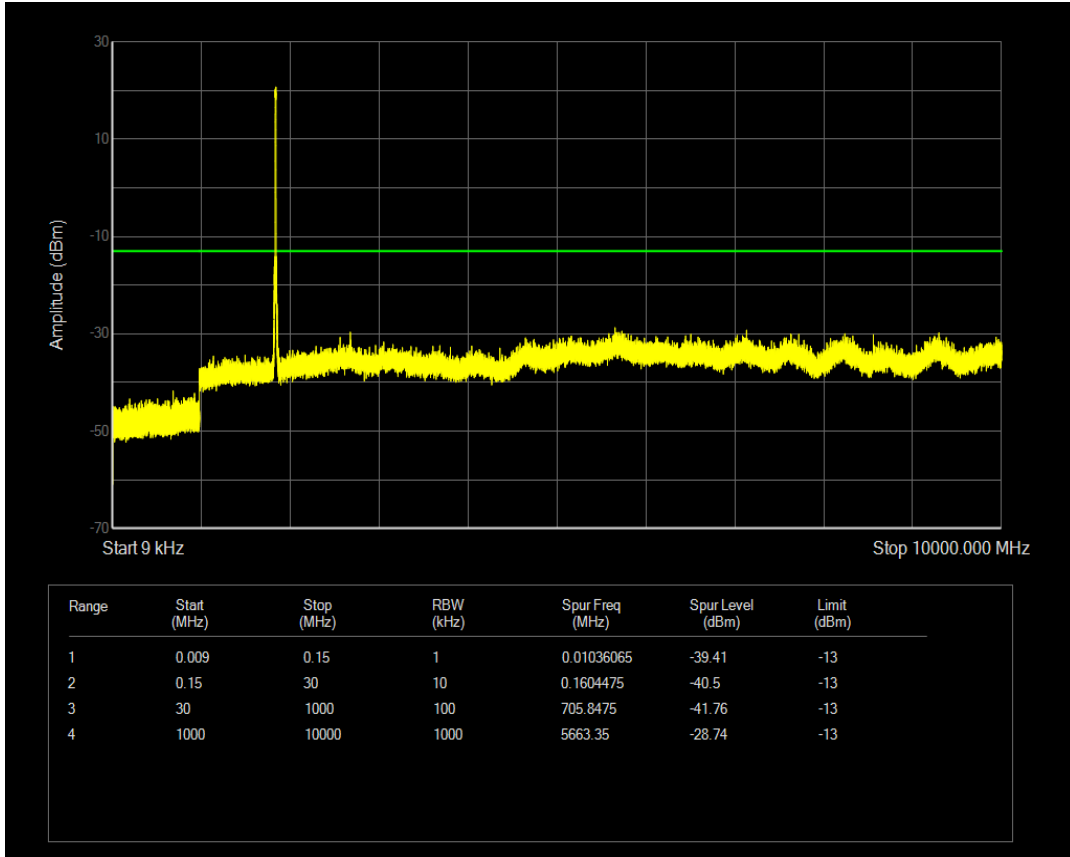
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



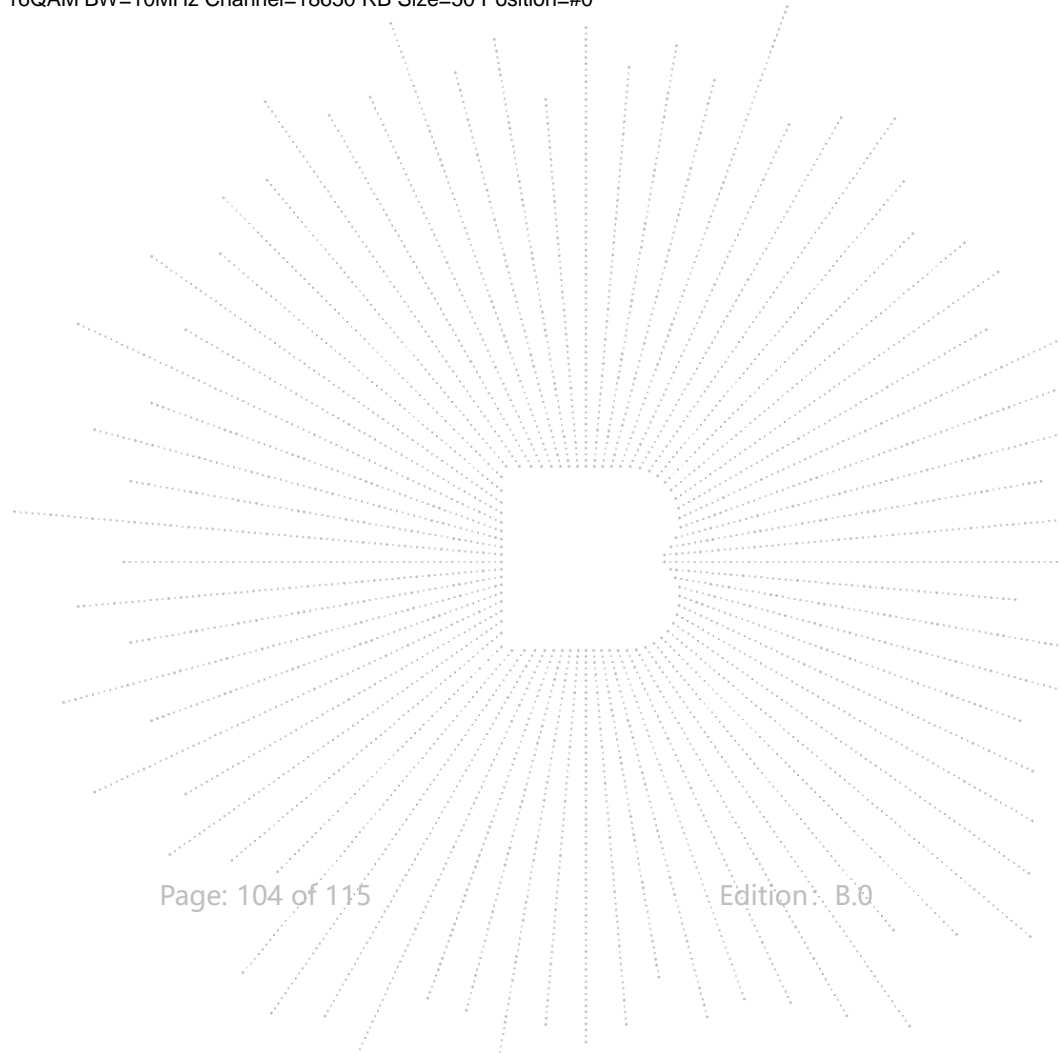


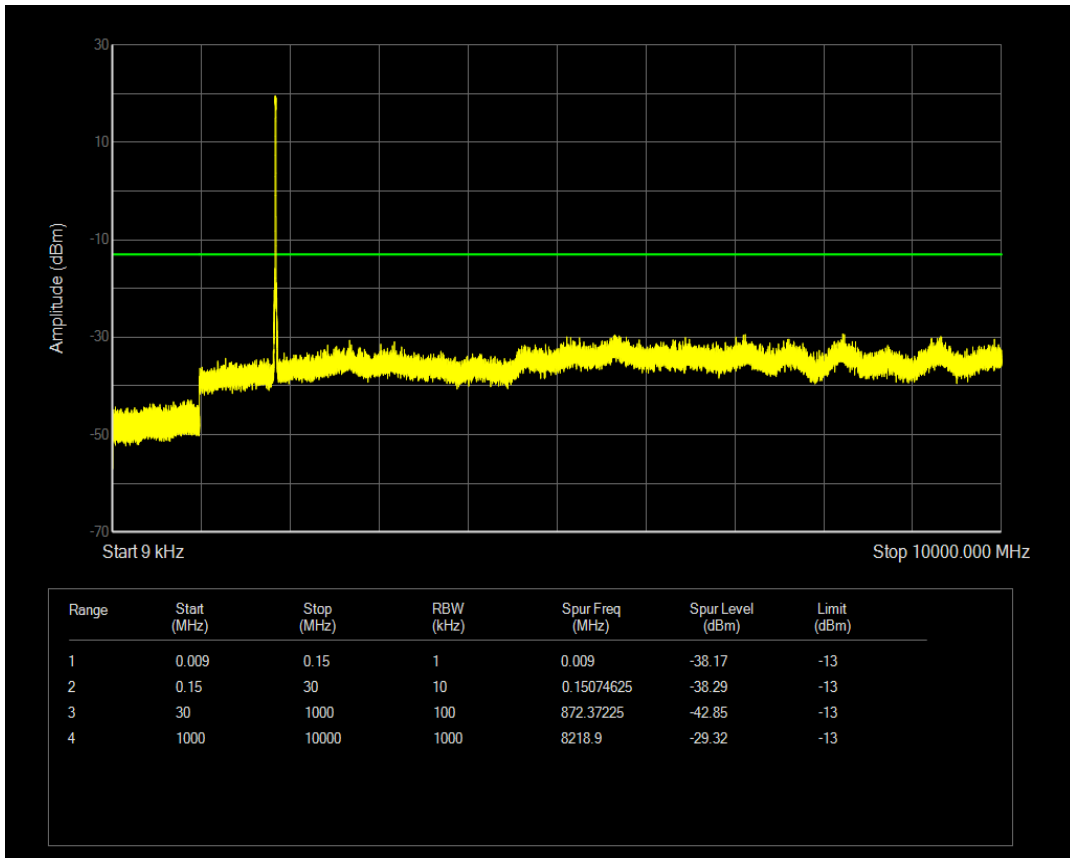


Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0

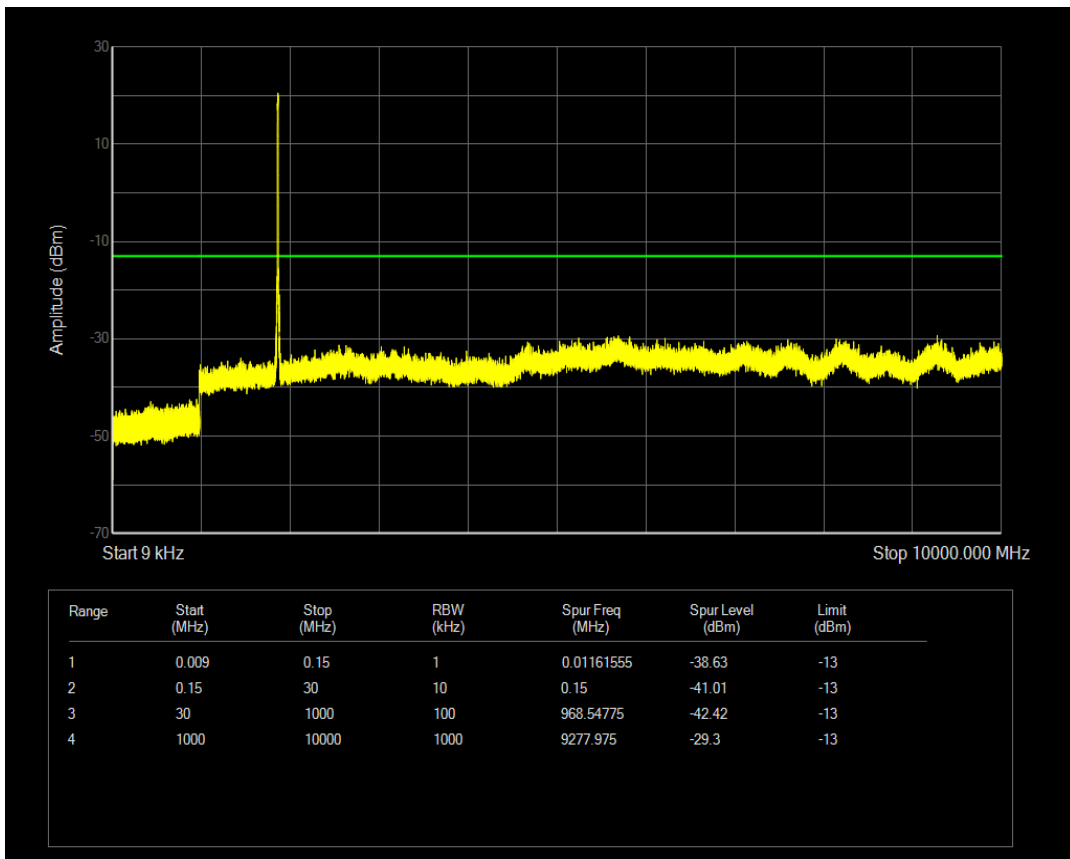


Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0



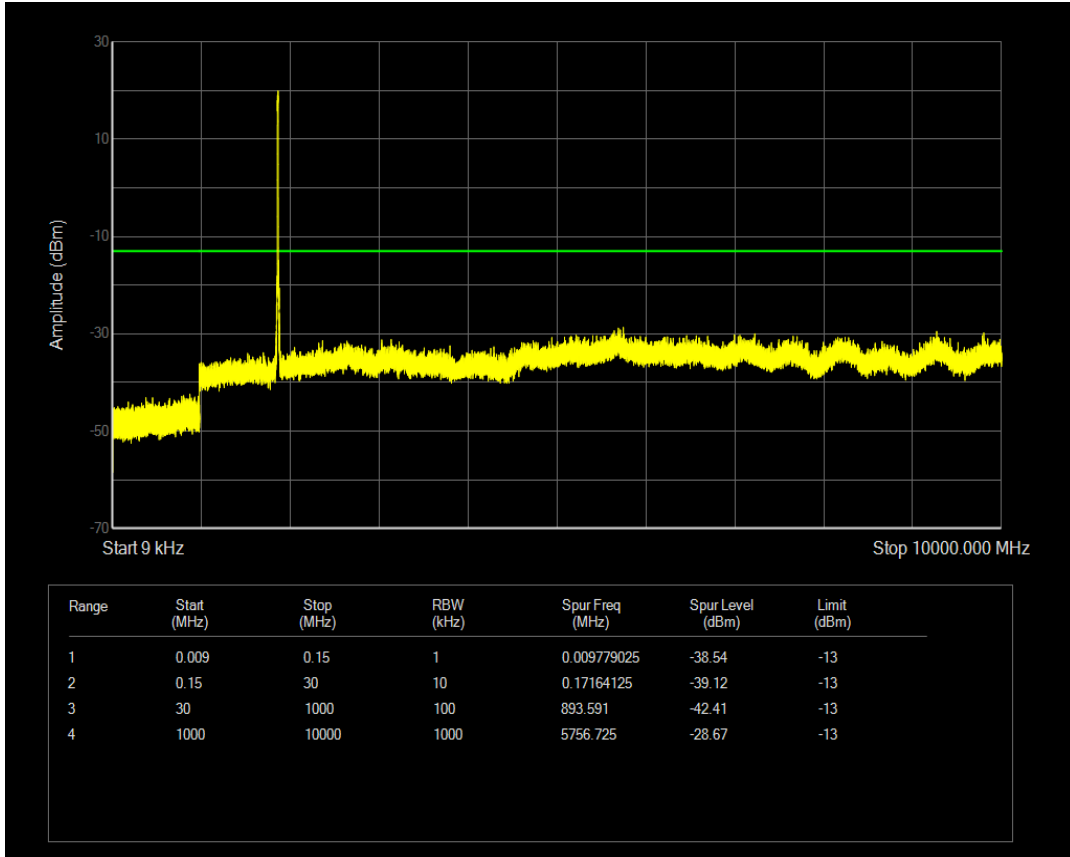


Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0

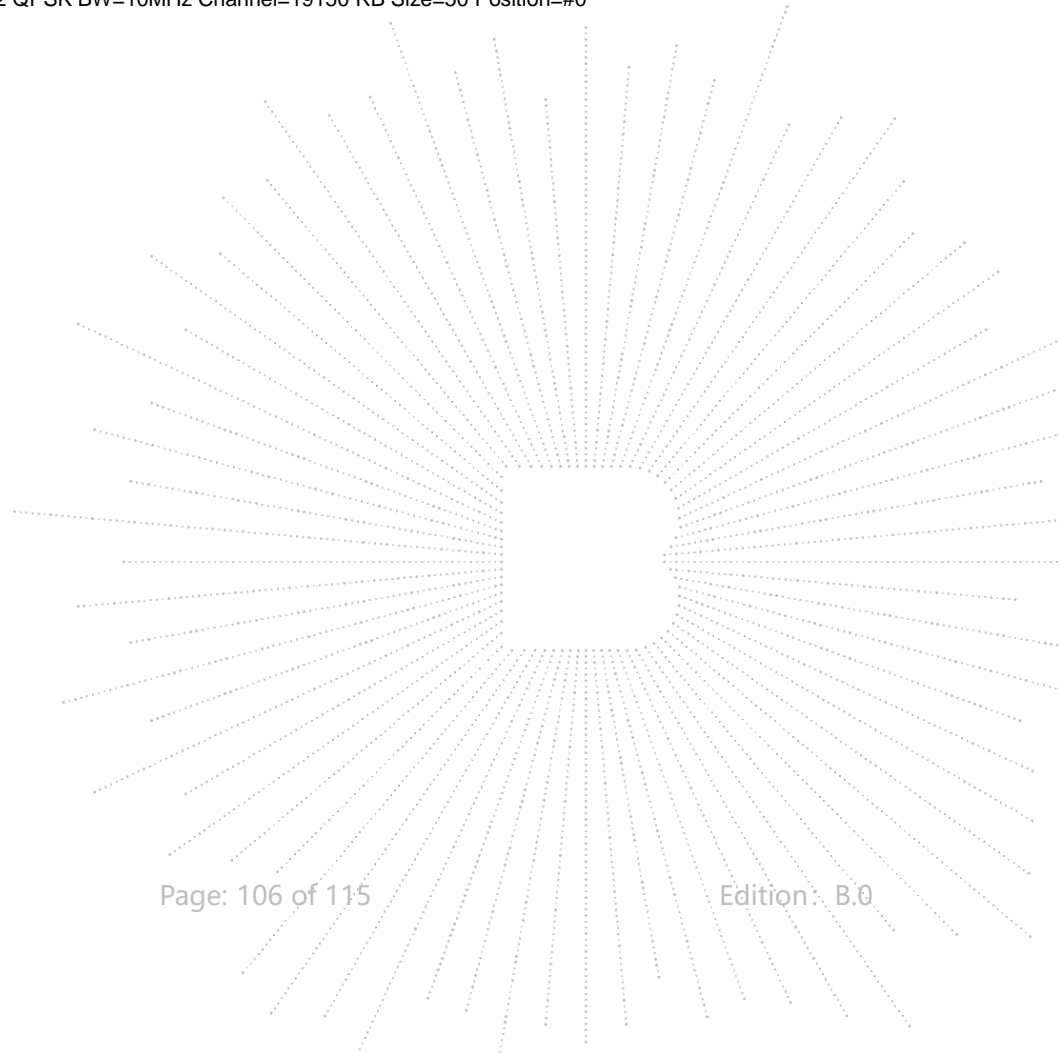


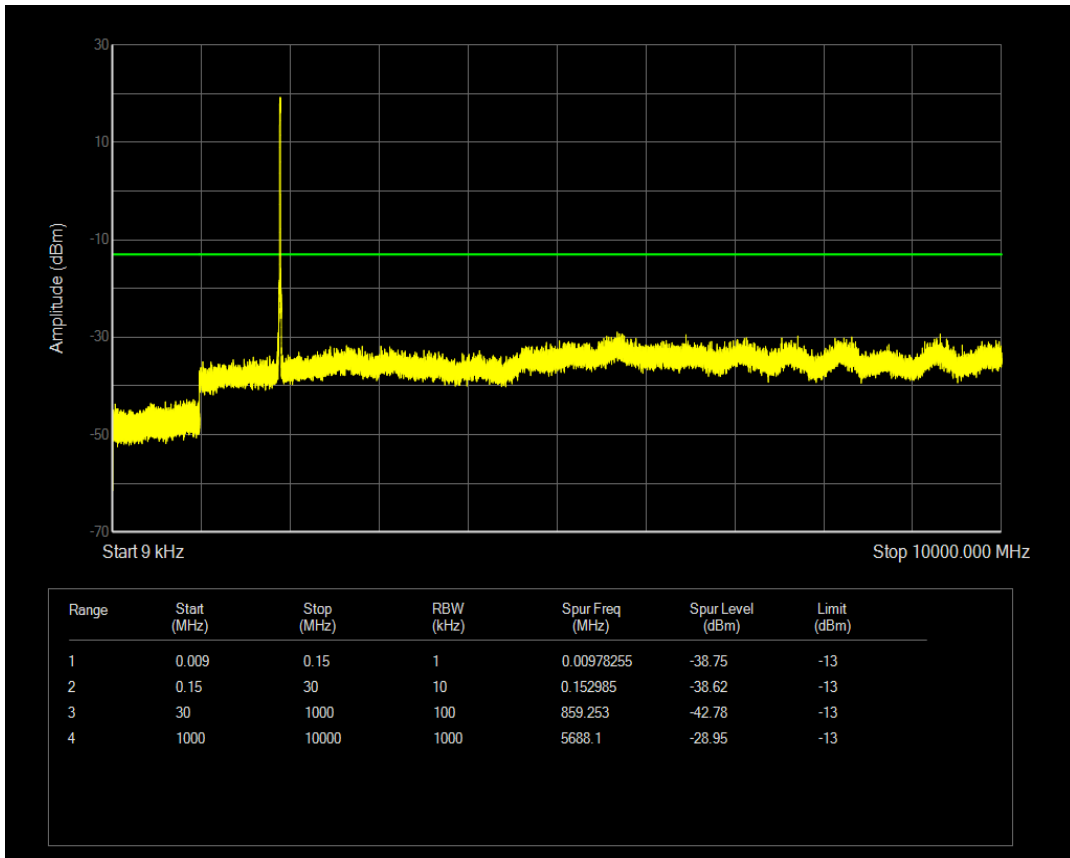


Band2 16QAM BW=10MHz Channel=18900 RB Size=50 Position=#0

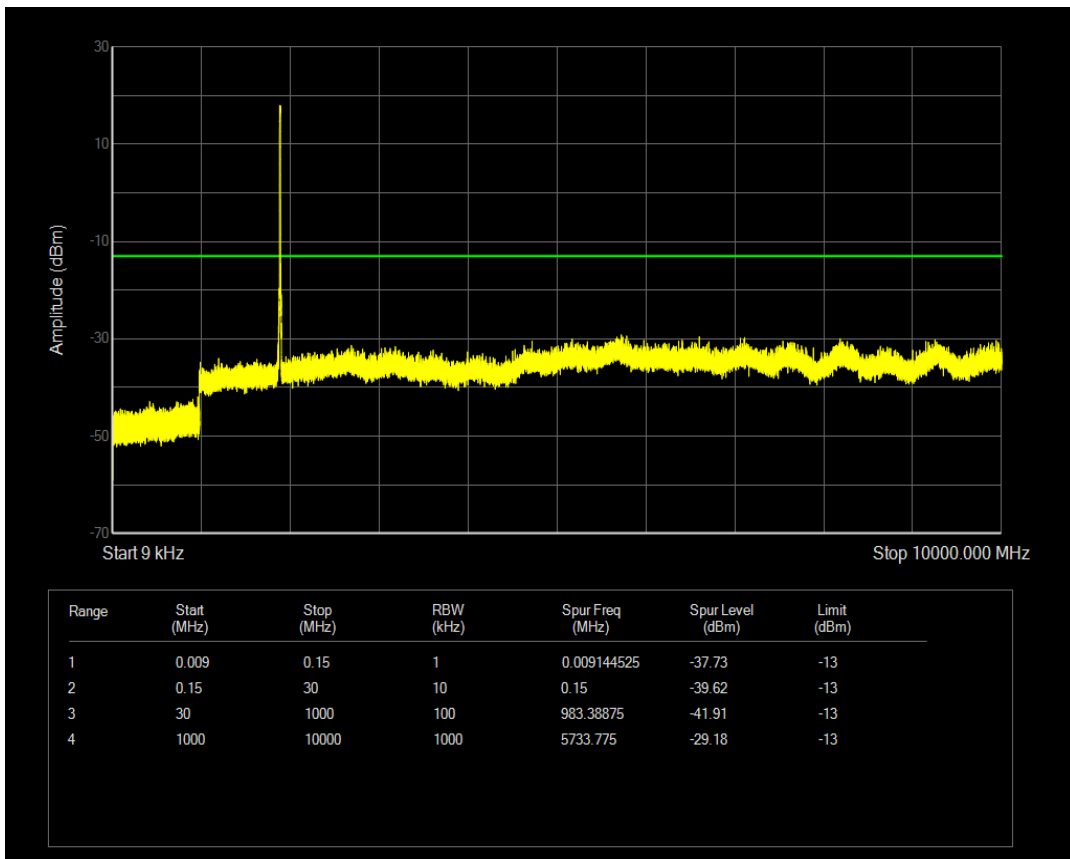


Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



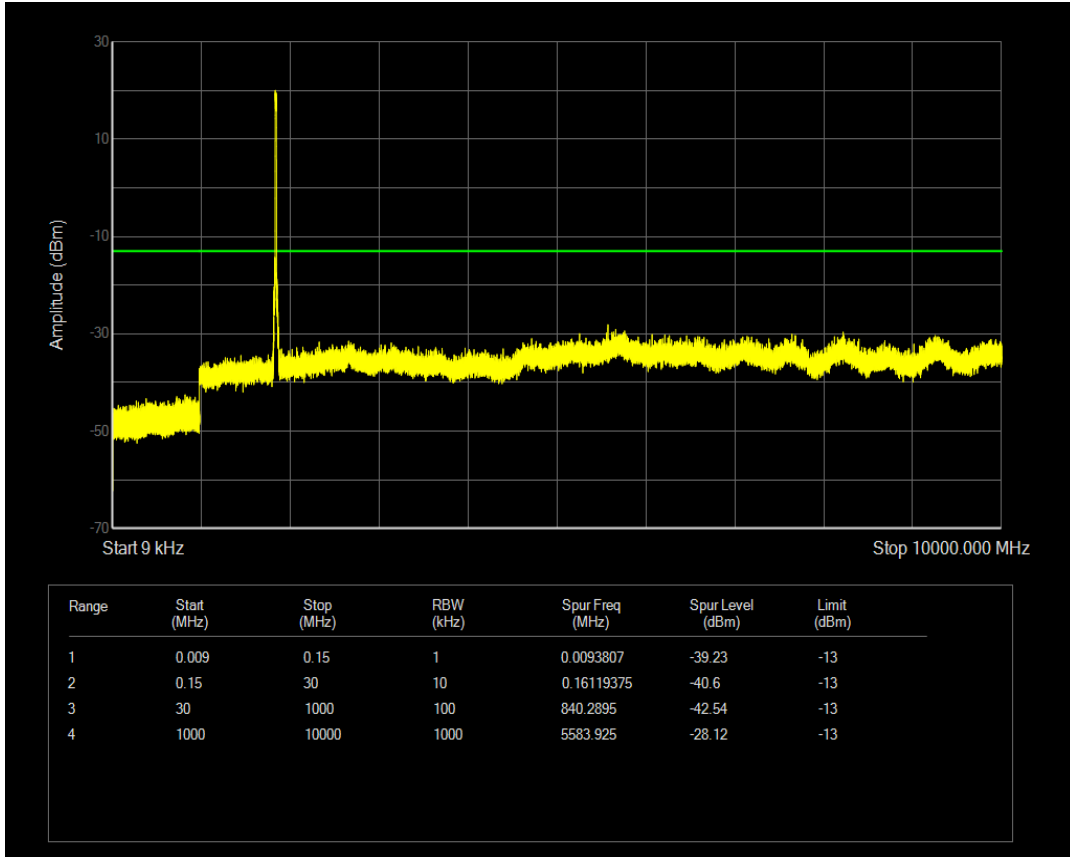


Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0

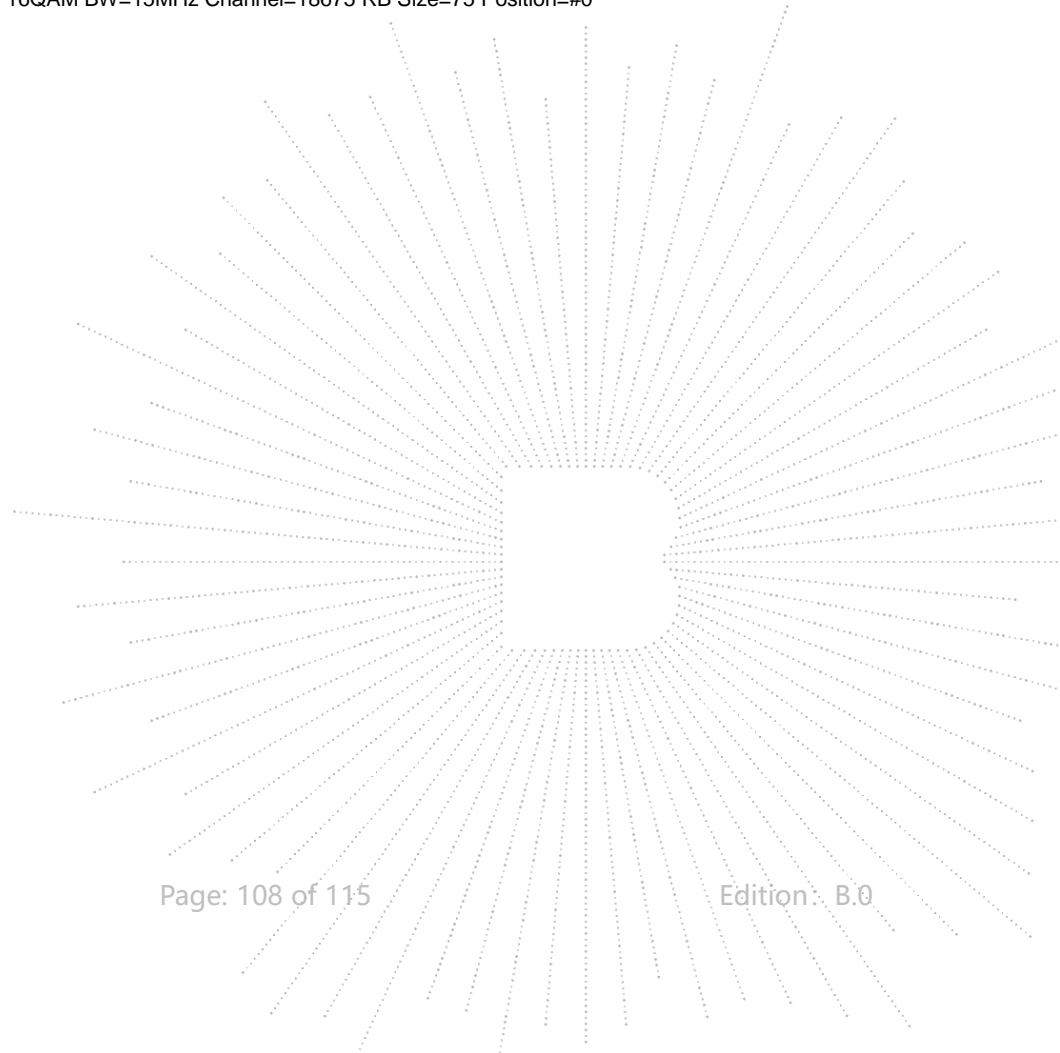


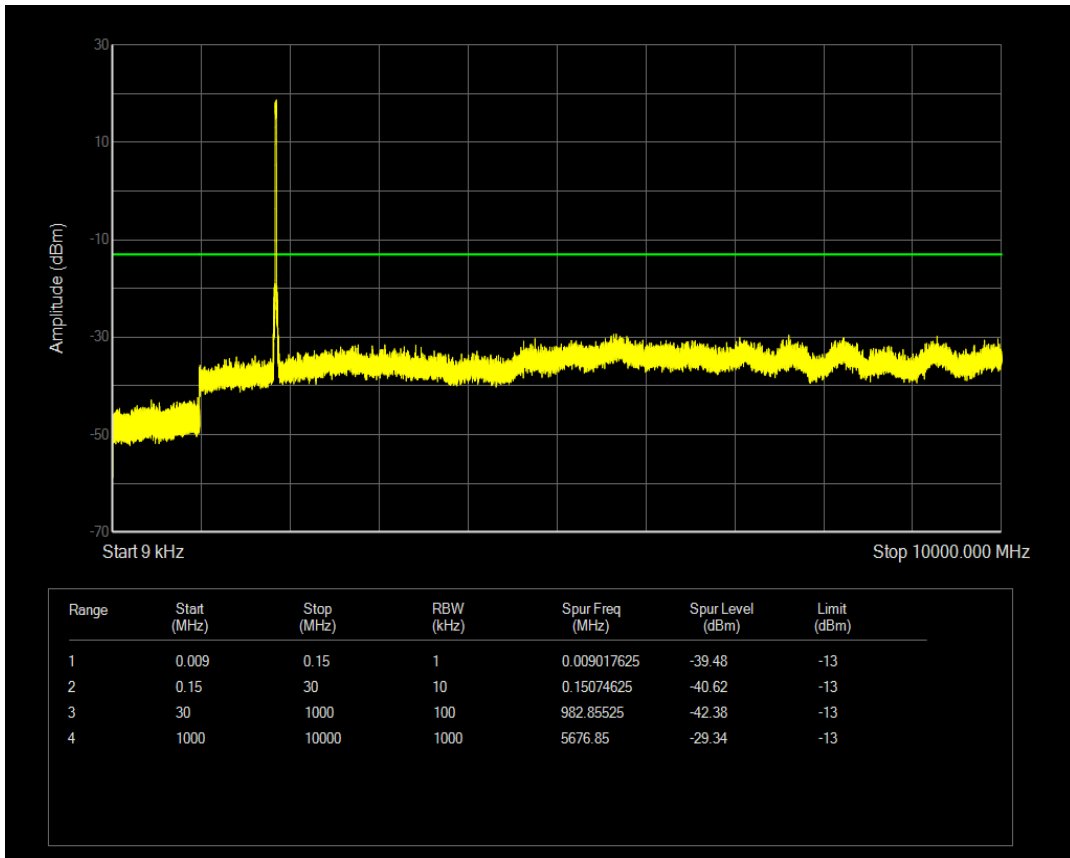


Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0

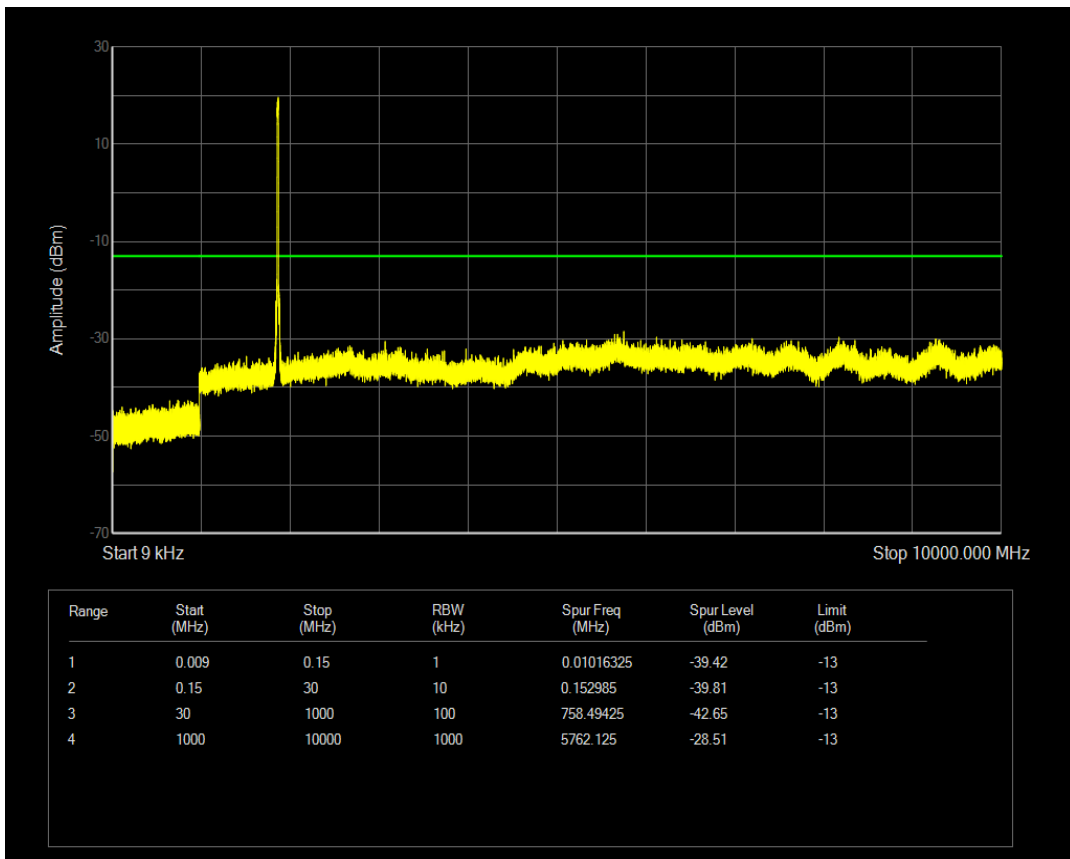


Band2 16QAM BW=15MHz Channel=18675 RB Size=75 Position=#0



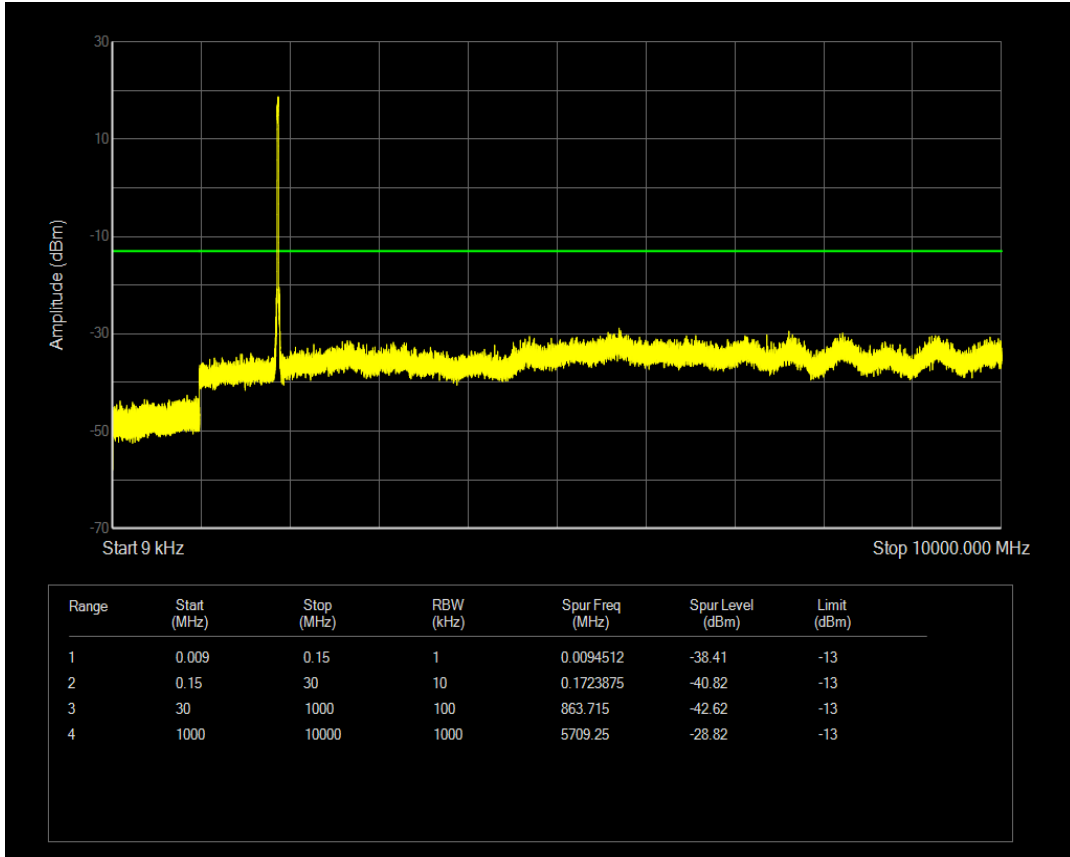


Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0

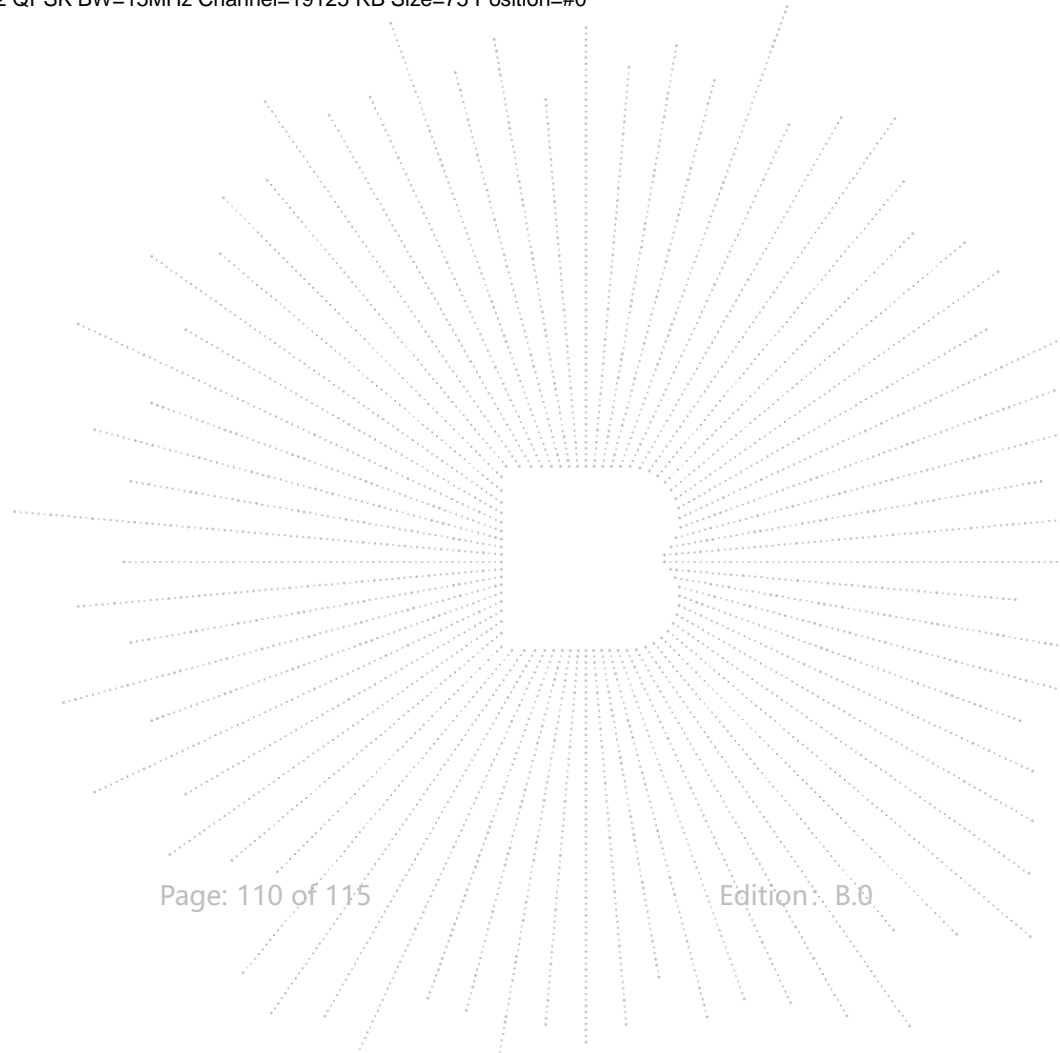


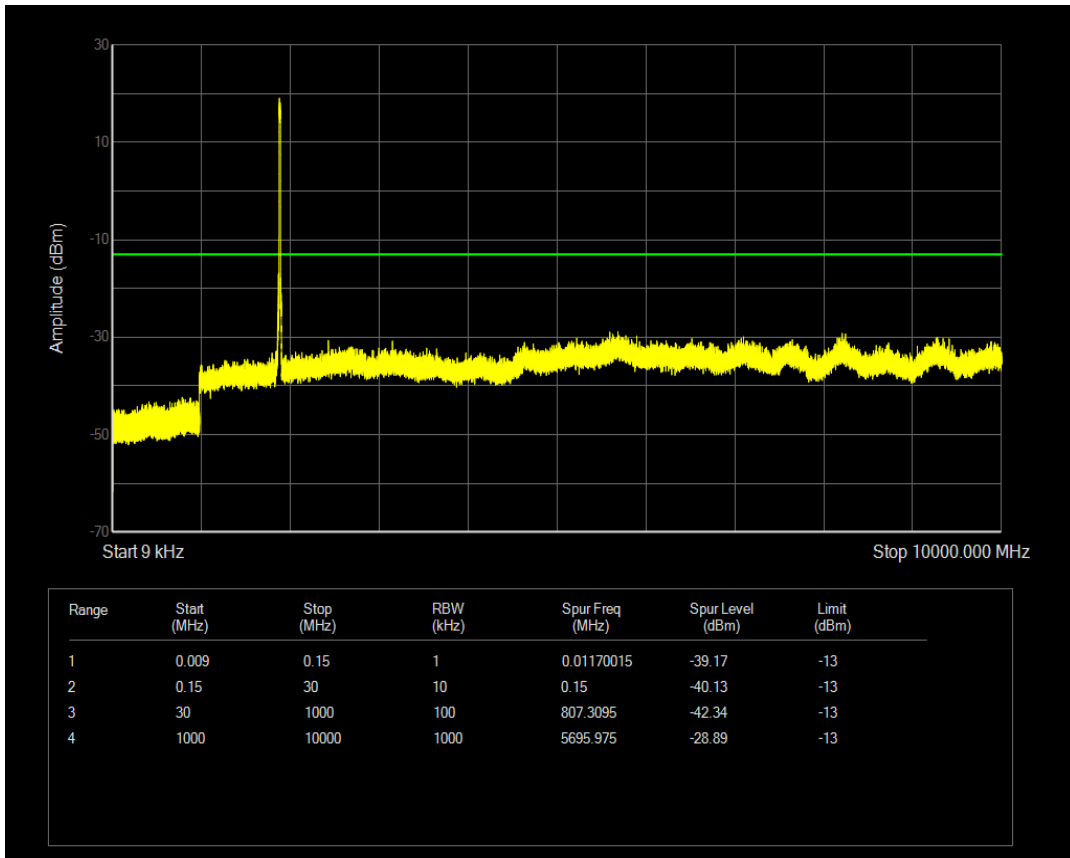


Band2 16QAM BW=15MHz Channel=18900 RB Size=75 Position=#0

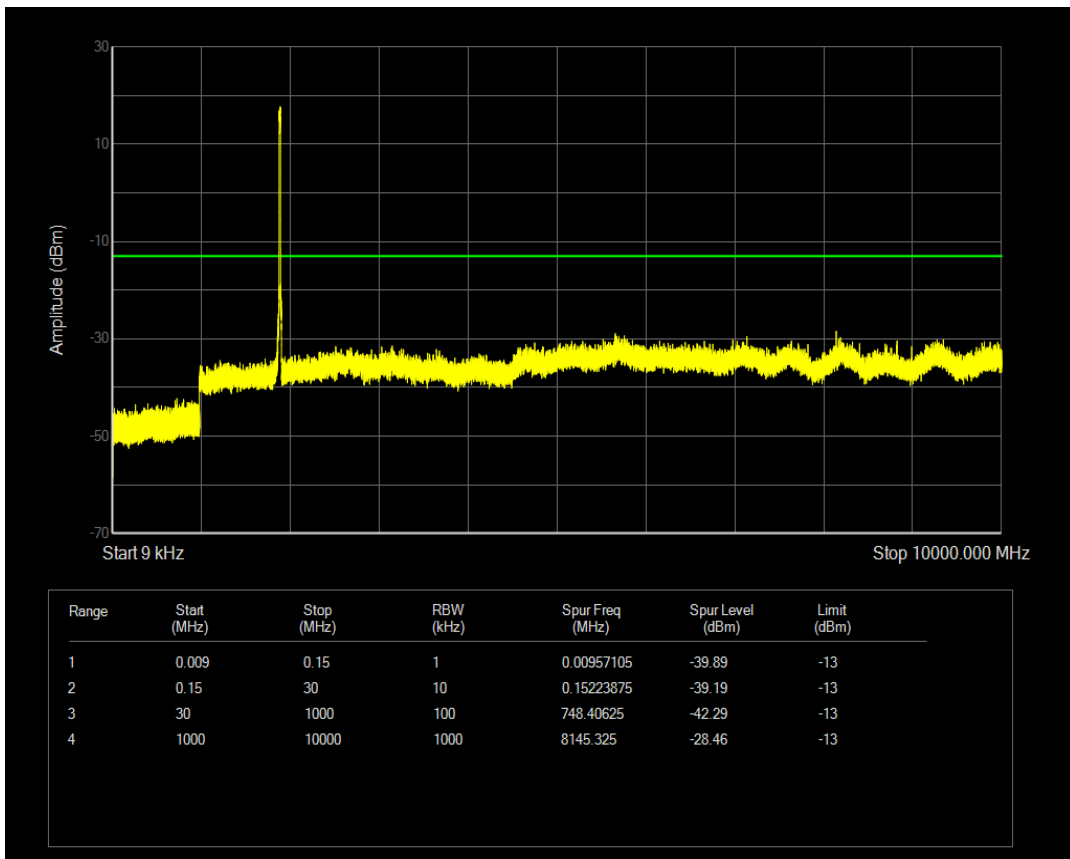


Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0





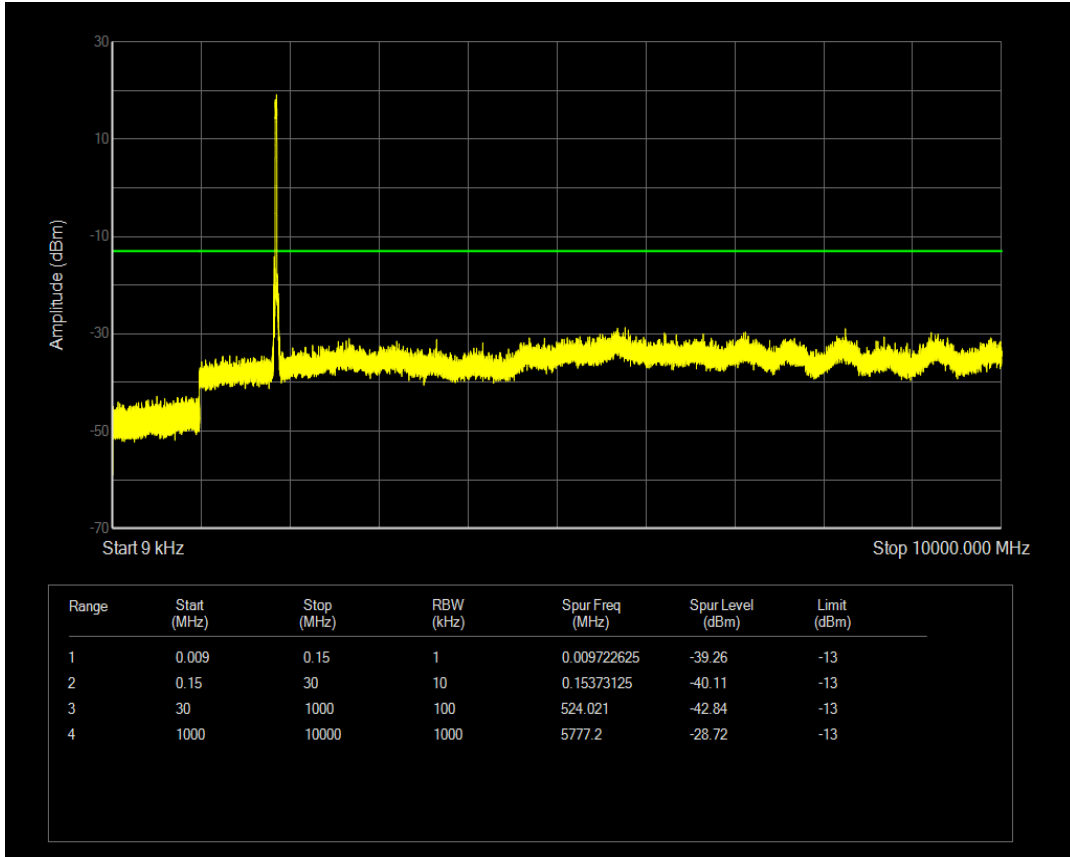
Band2 16QAM BW=15MHz Channel=19125 RB Size=75 Position=#0



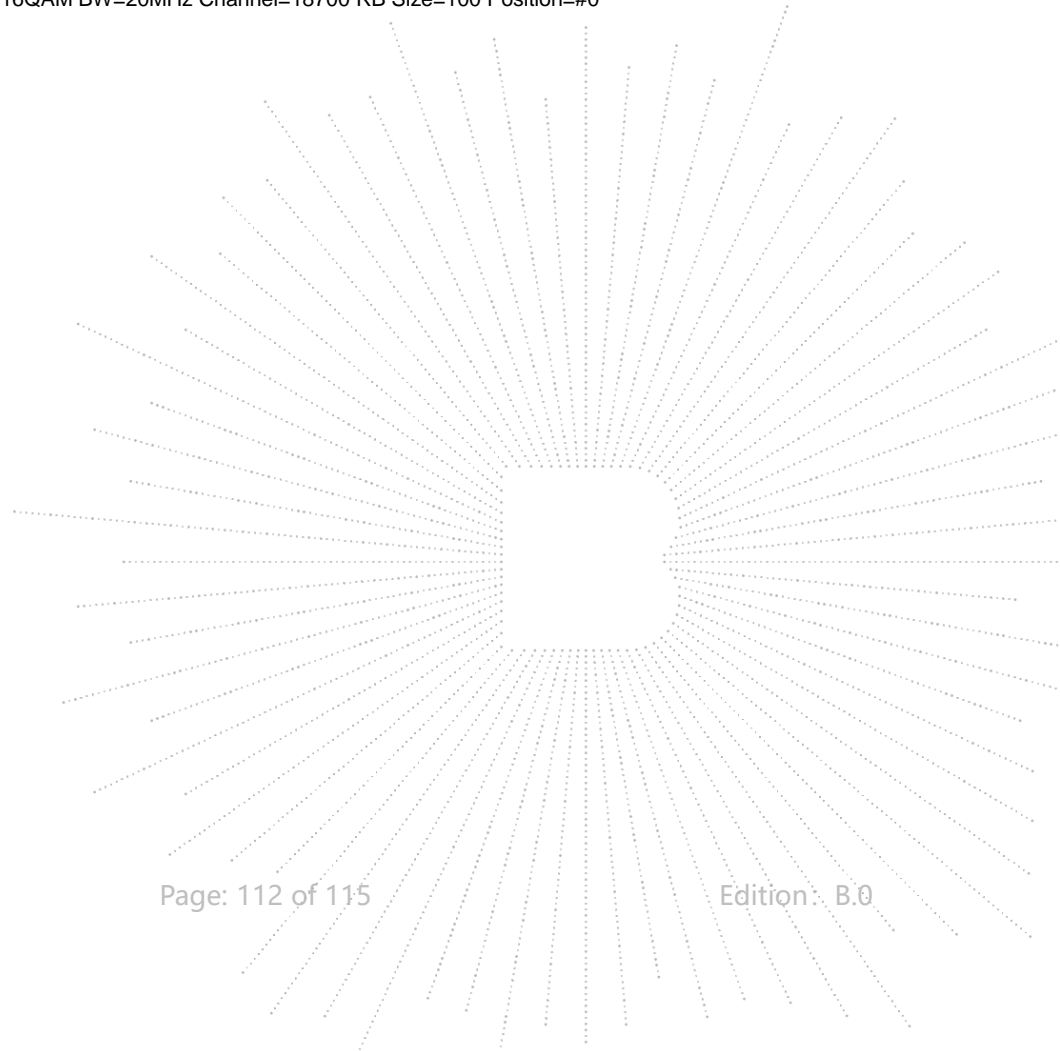


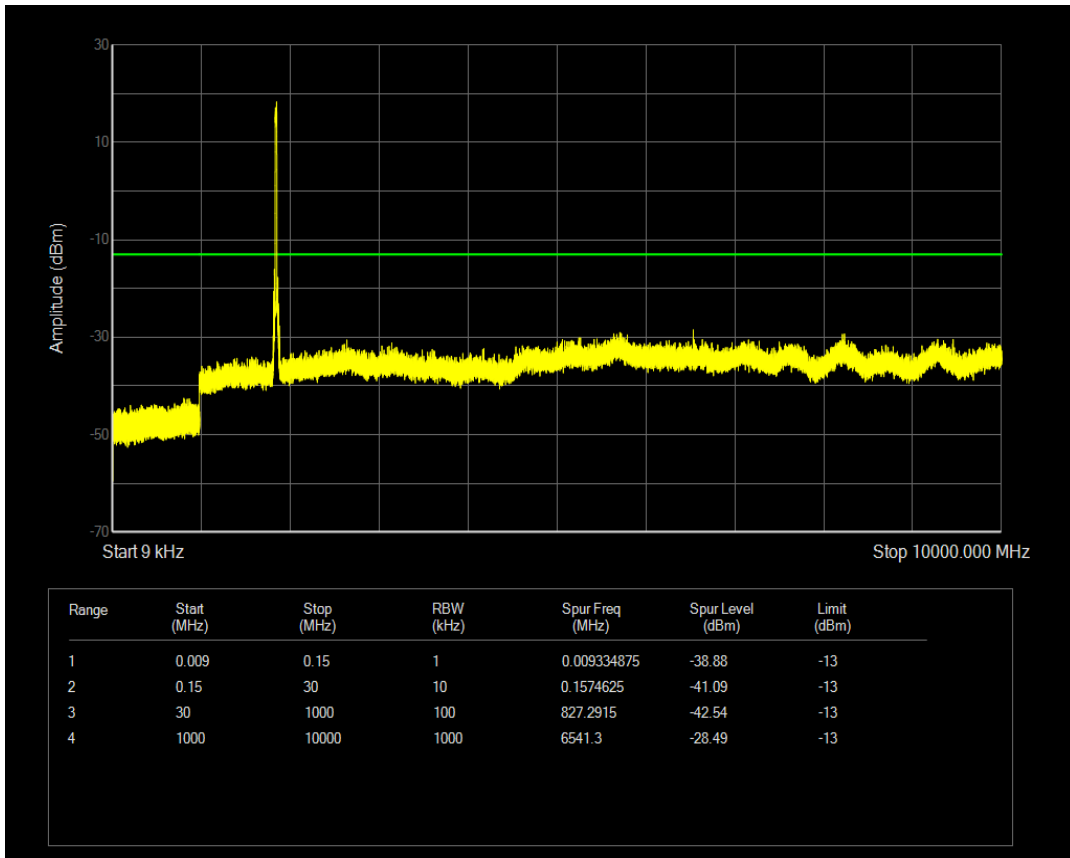


Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0

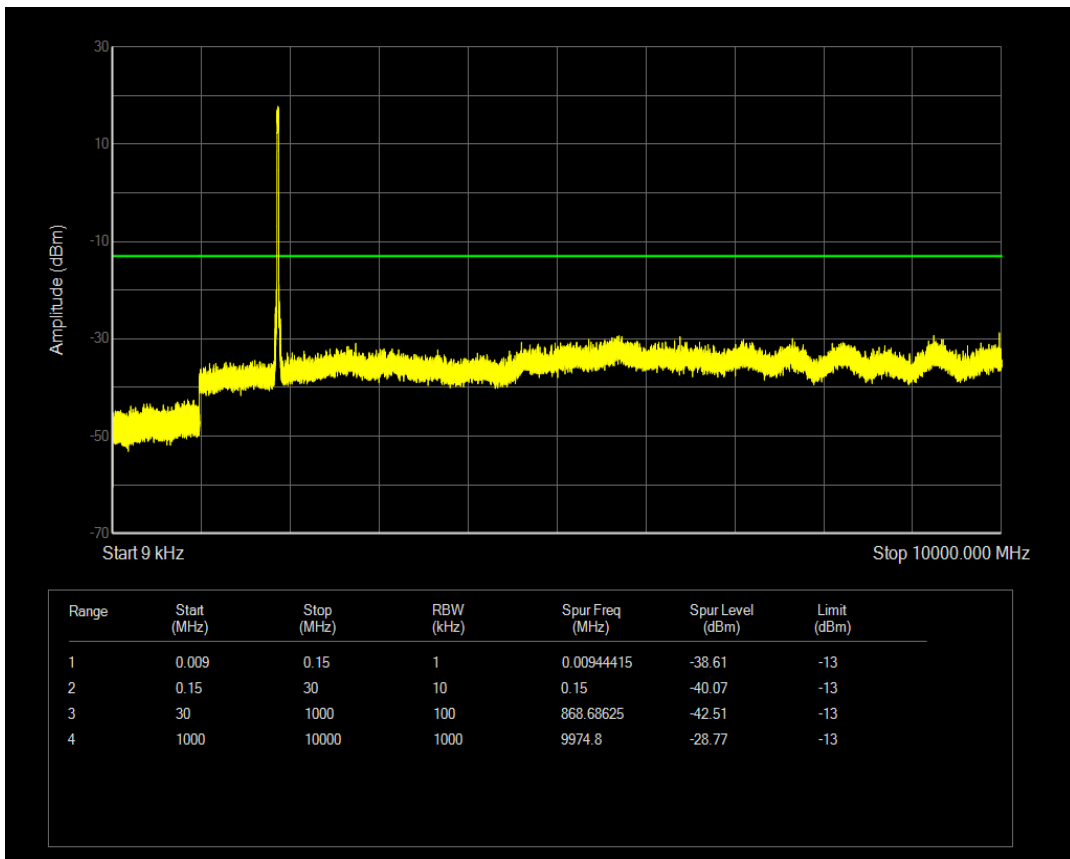


Band2 16QAM BW=20MHz Channel=18700 RB Size=100 Position=#0



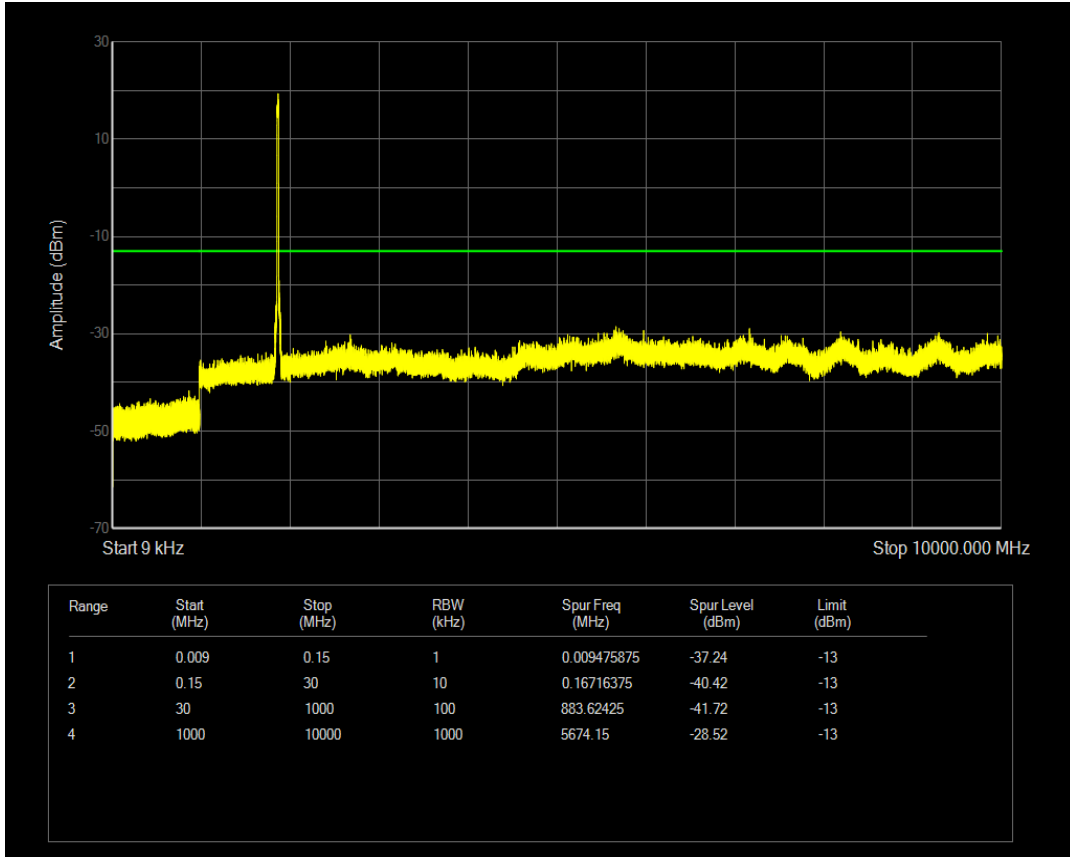


Band2 16QAM BW=20MHz Channel=18900 RB Size=100 Position=#0

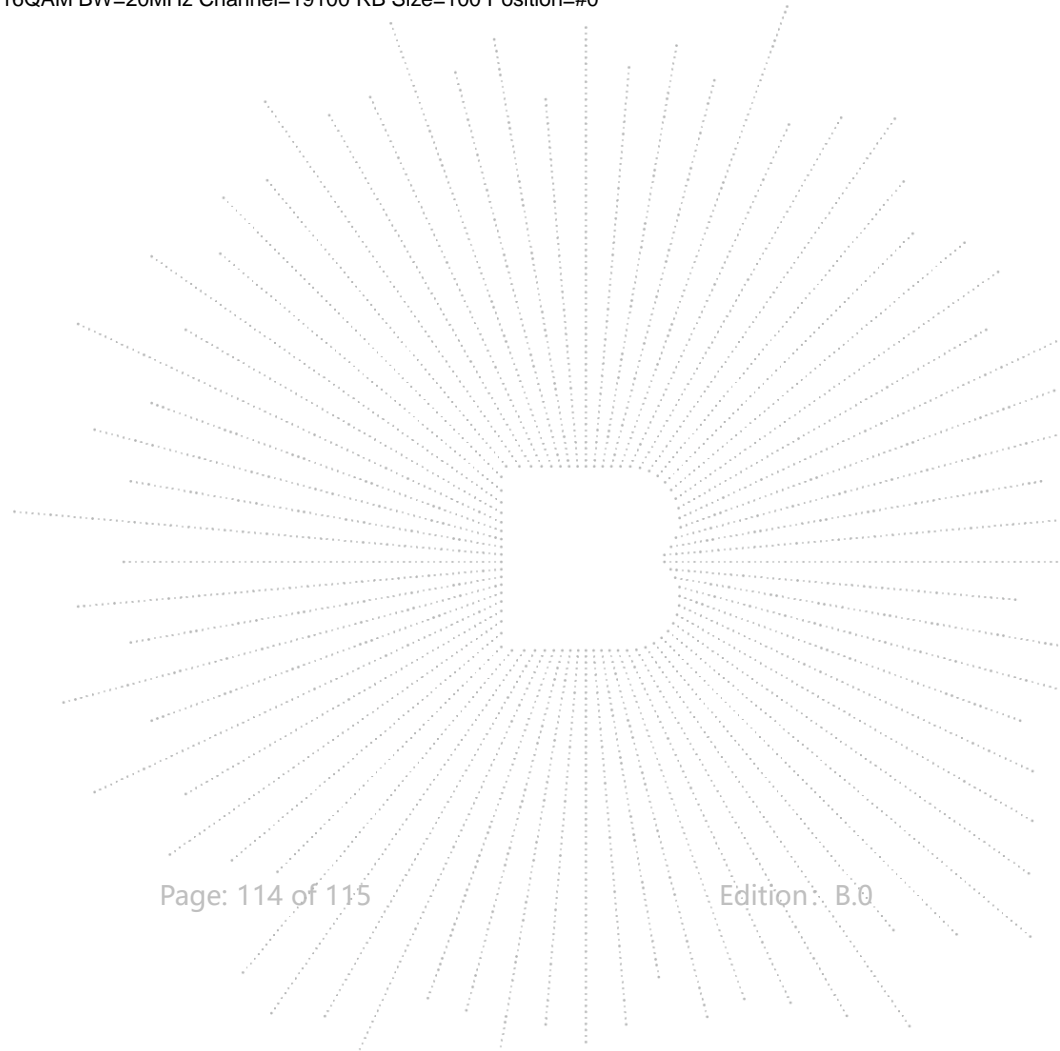


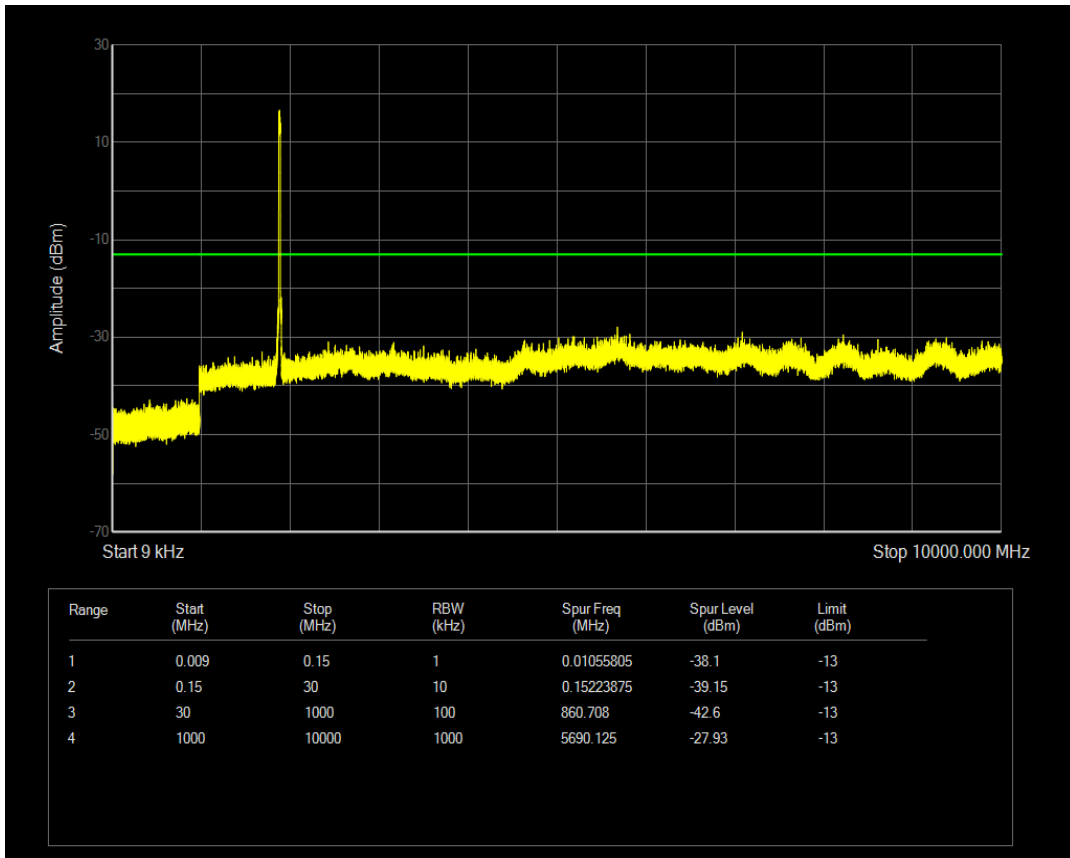


Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0



Band2 16QAM BW=20MHz Channel=19100 RB Size=100 Position=#0





Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0

