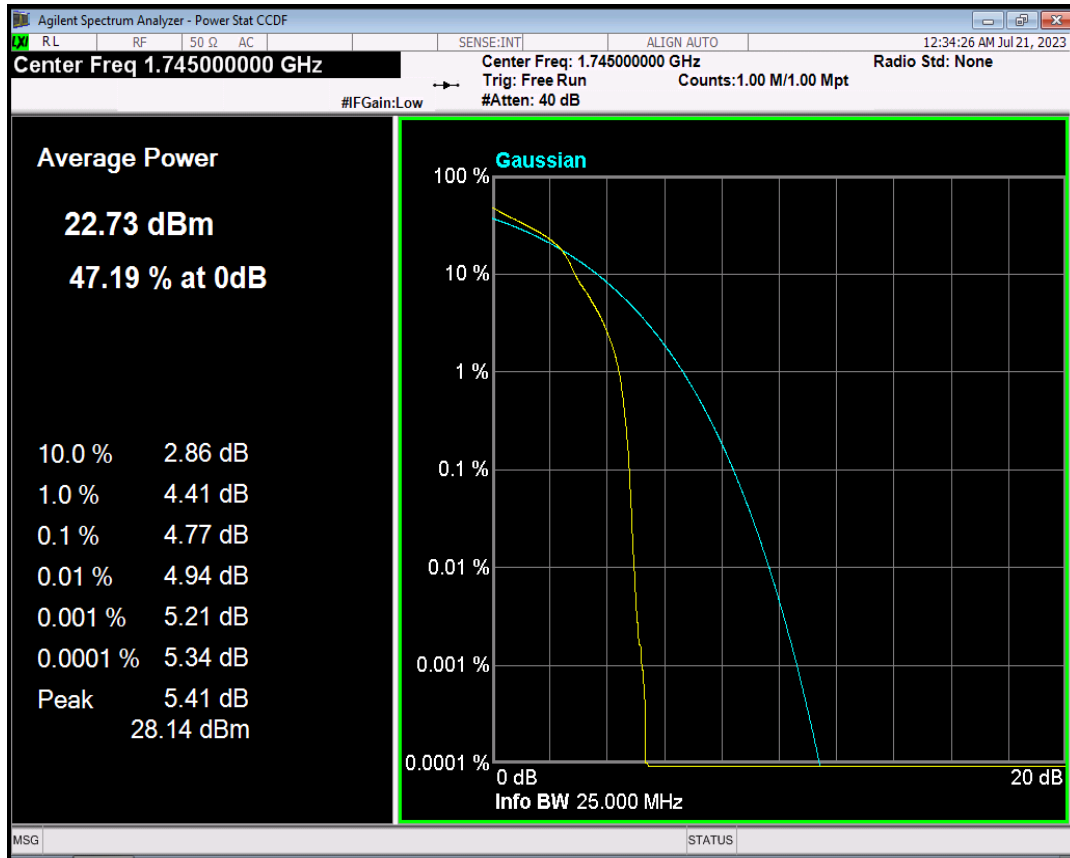


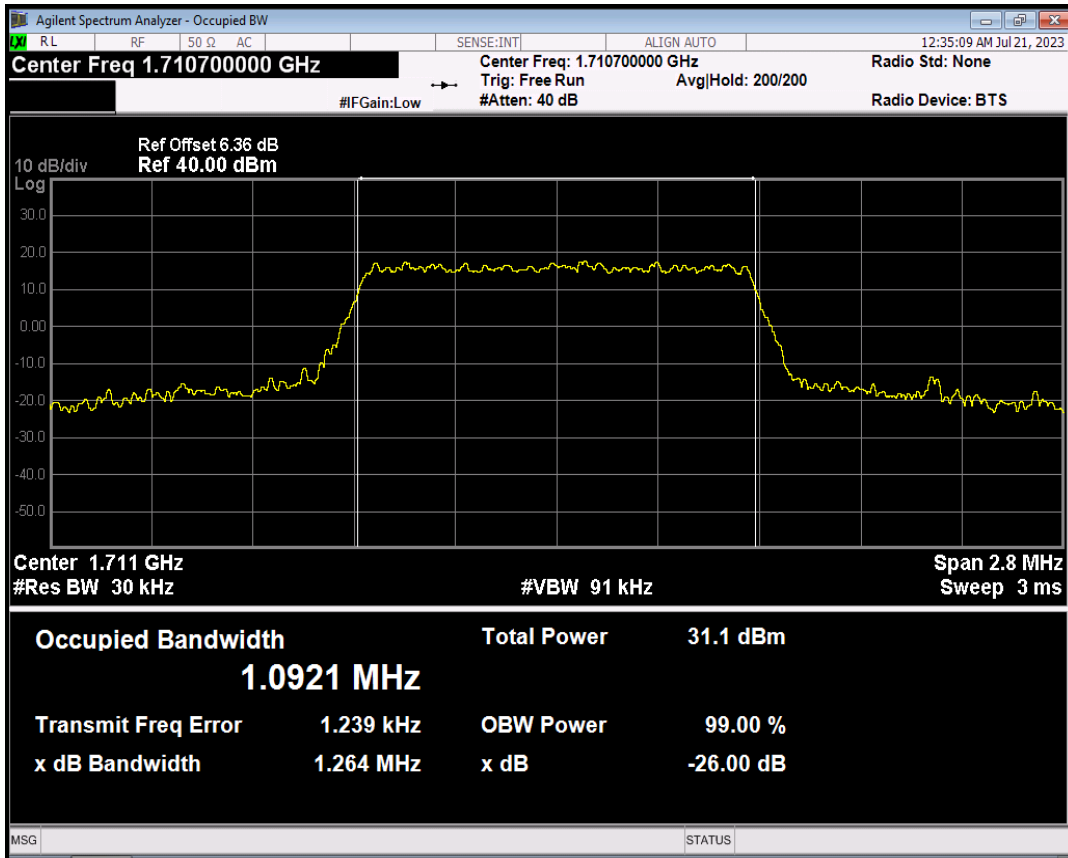
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



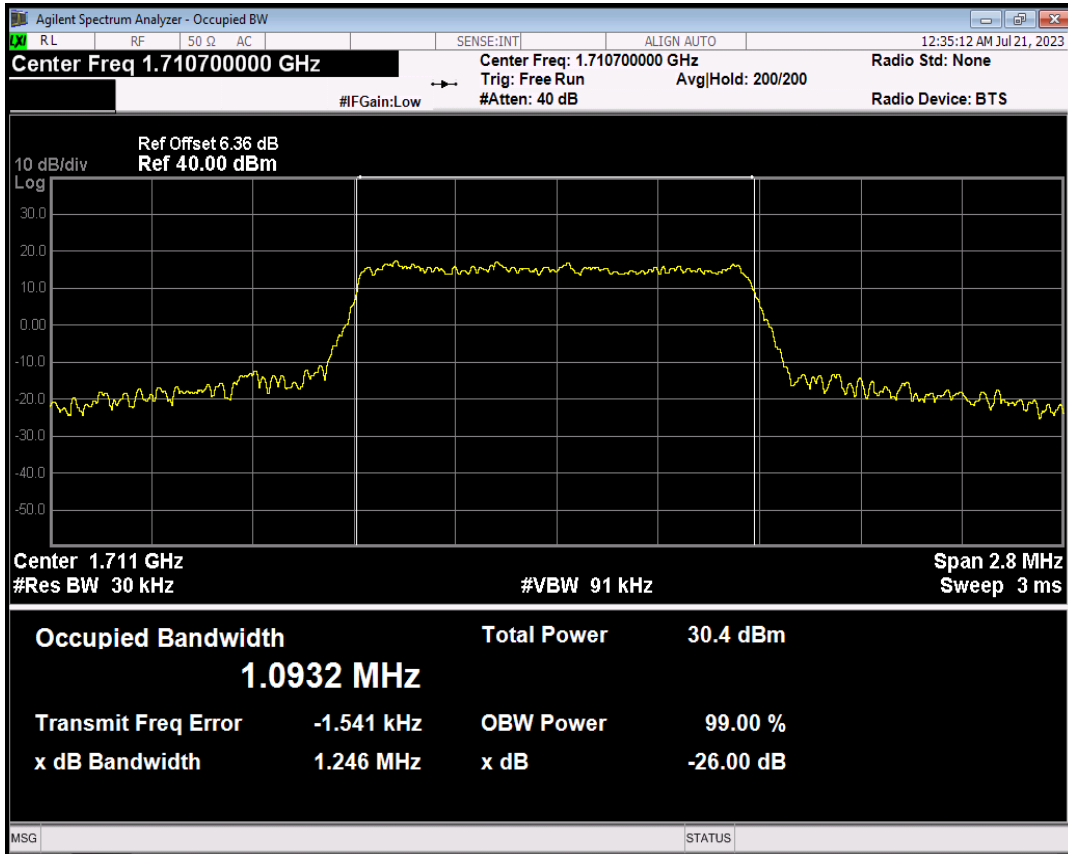
Appendix 4. Occupied bandwidth

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	1.264	PASS
Band4	1.4	19957	6	#0	16QAM	1.093	1.246	PASS
Band4	1.4	20175	6	#0	QPSK	1.101	1.246	PASS
Band4	1.4	20175	6	#0	16QAM	1.098	1.252	PASS
Band4	1.4	20393	6	#0	QPSK	1.088	1.247	PASS
Band4	1.4	20393	6	#0	16QAM	1.106	1.246	PASS
Band4	3	19965	15	#0	QPSK	2.710	3.030	PASS
Band4	3	19965	15	#0	16QAM	2.720	3.060	PASS
Band4	3	20175	15	#0	QPSK	2.708	3.023	PASS
Band4	3	20175	15	#0	16QAM	2.706	3.041	PASS
Band4	3	20385	15	#0	QPSK	2.709	3.029	PASS
Band4	3	20385	15	#0	16QAM	2.715	3.055	PASS
Band4	5	19975	25	#0	QPSK	4.516	4.810	PASS
Band4	5	19975	25	#0	16QAM	4.504	4.928	PASS
Band4	5	20175	25	#0	QPSK	4.505	4.946	PASS
Band4	5	20175	25	#0	16QAM	4.535	4.934	PASS
Band4	5	20375	25	#0	QPSK	4.507	4.980	PASS
Band4	5	20375	25	#0	16QAM	4.526	4.931	PASS
Band4	10	20000	50	#0	QPSK	8.987	9.888	PASS
Band4	10	20000	50	#0	16QAM	8.999	9.890	PASS
Band4	10	20175	50	#0	QPSK	8.976	9.825	PASS
Band4	10	20175	50	#0	16QAM	9.009	9.848	PASS
Band4	10	20350	50	#0	QPSK	8.995	9.885	PASS
Band4	10	20350	50	#0	16QAM	9.015	9.895	PASS
Band4	15	20025	75	#0	QPSK	13.497	14.693	PASS
Band4	15	20025	75	#0	16QAM	13.516	14.825	PASS
Band4	15	20175	75	#0	QPSK	13.446	14.772	PASS
Band4	15	20175	75	#0	16QAM	13.450	14.792	PASS
Band4	15	20325	75	#0	QPSK	13.457	14.882	PASS
Band4	15	20325	75	#0	16QAM	13.480	14.737	PASS
Band4	20	20050	100	#0	QPSK	18.048	19.621	PASS
Band4	20	20050	100	#0	16QAM	18.037	19.591	PASS
Band4	20	20175	100	#0	QPSK	17.936	19.613	PASS
Band4	20	20175	100	#0	16QAM	17.960	19.653	PASS
Band4	20	20300	100	#0	QPSK	17.955	19.784	PASS
Band4	20	20300	100	#0	16QAM	18.022	19.740	PASS

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

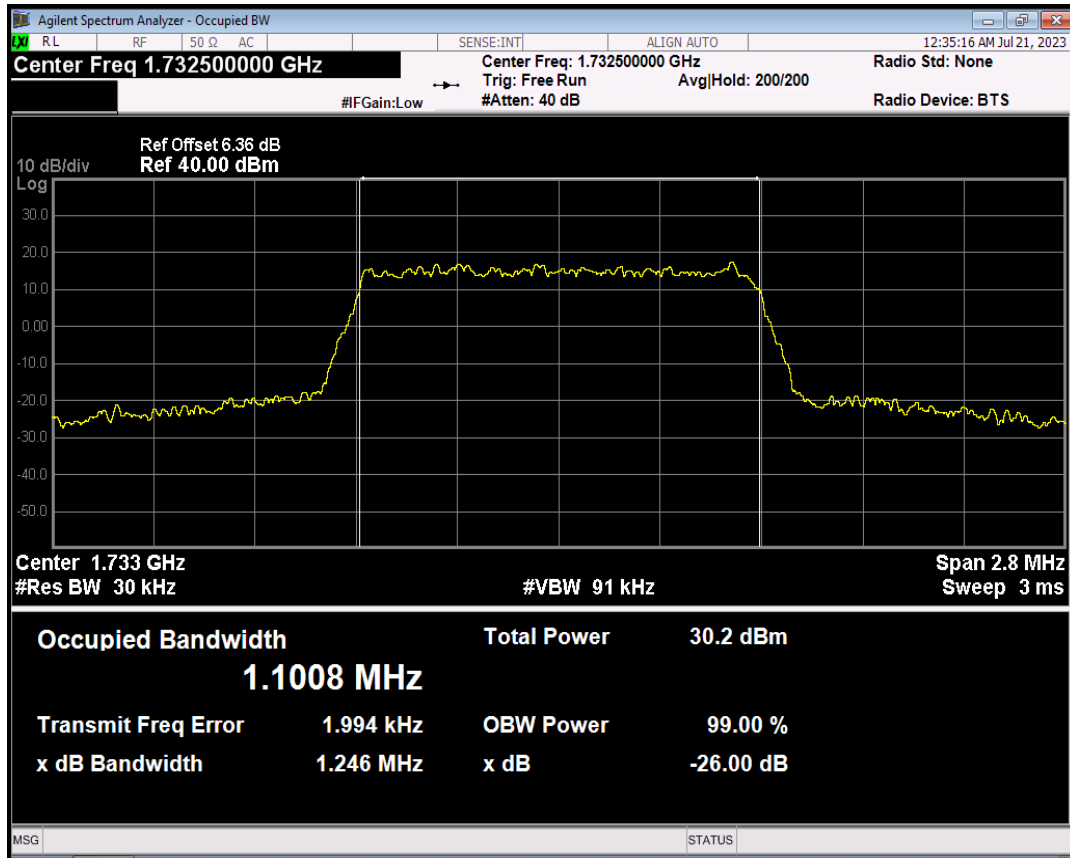


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

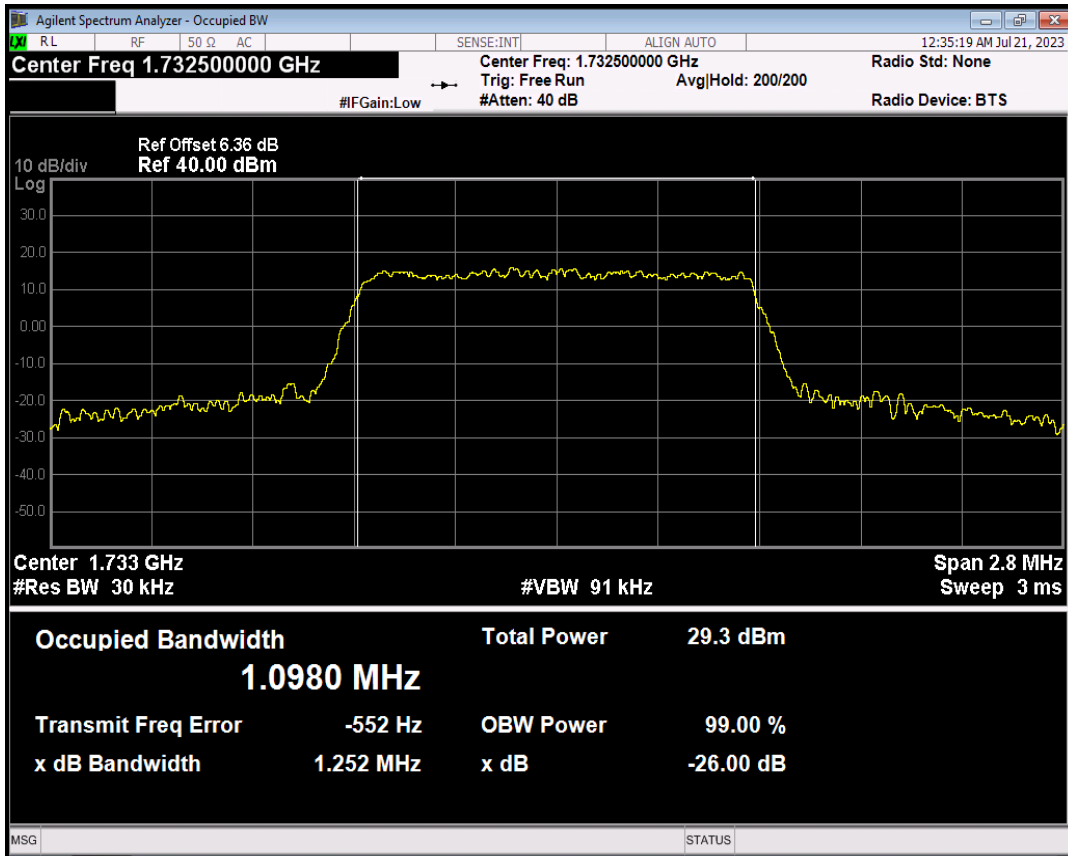




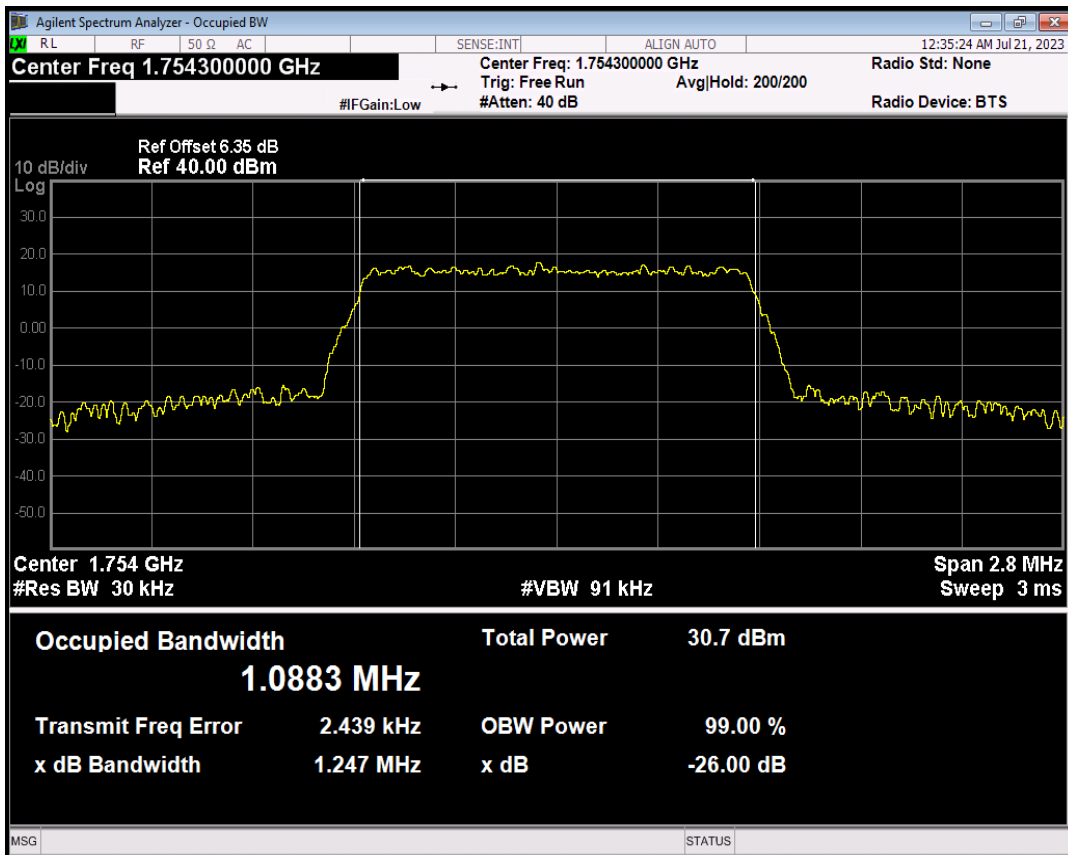
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



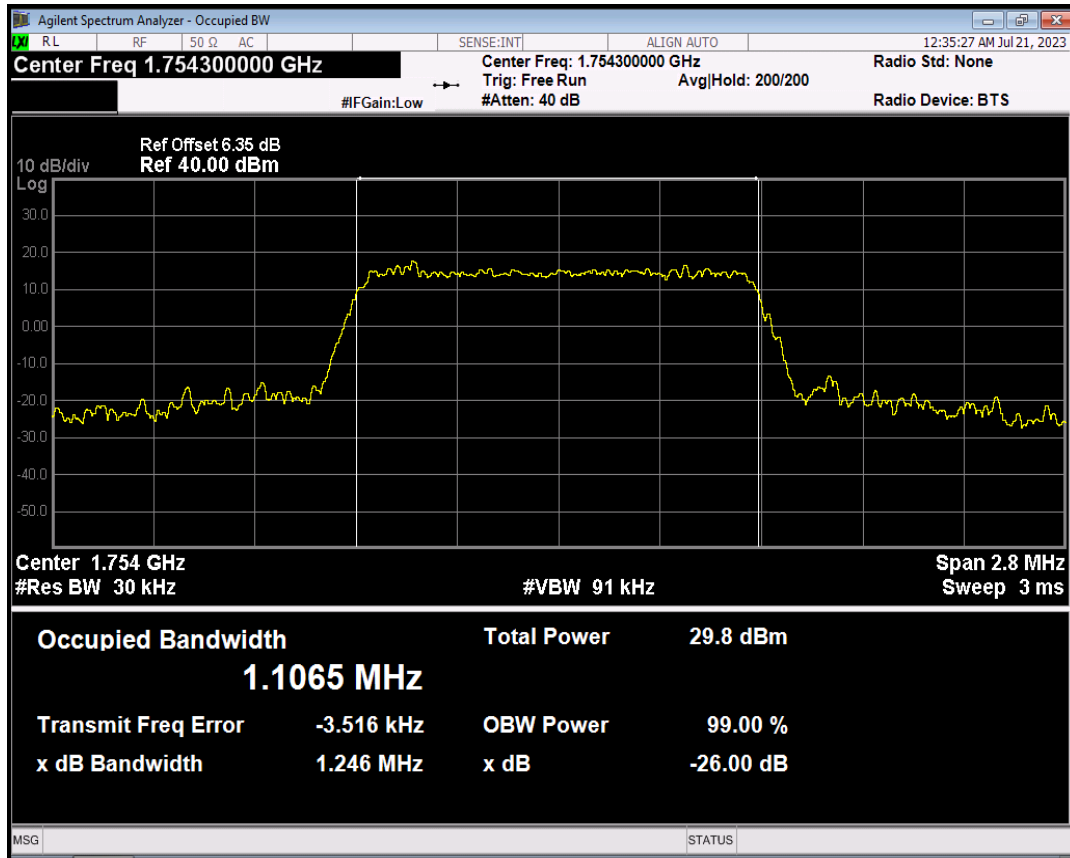
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



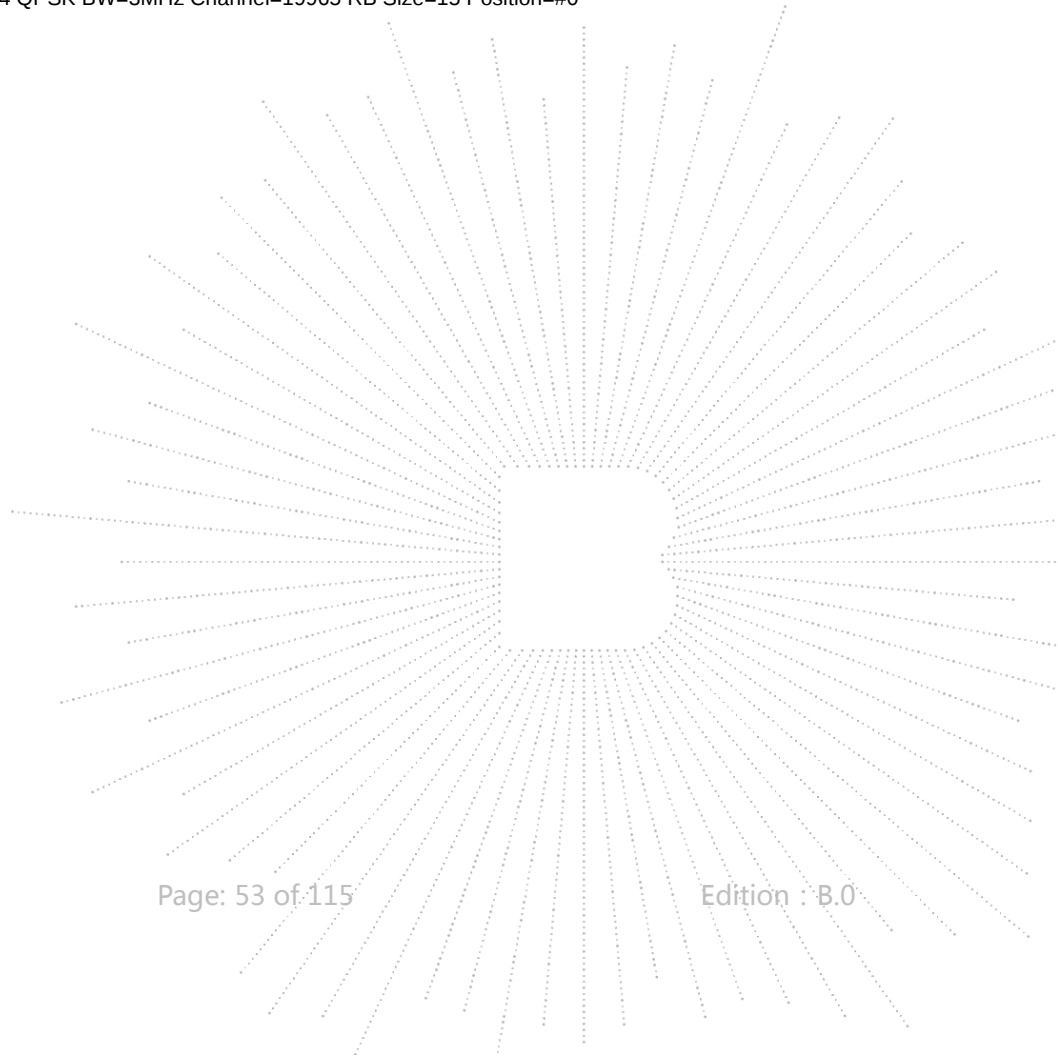
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

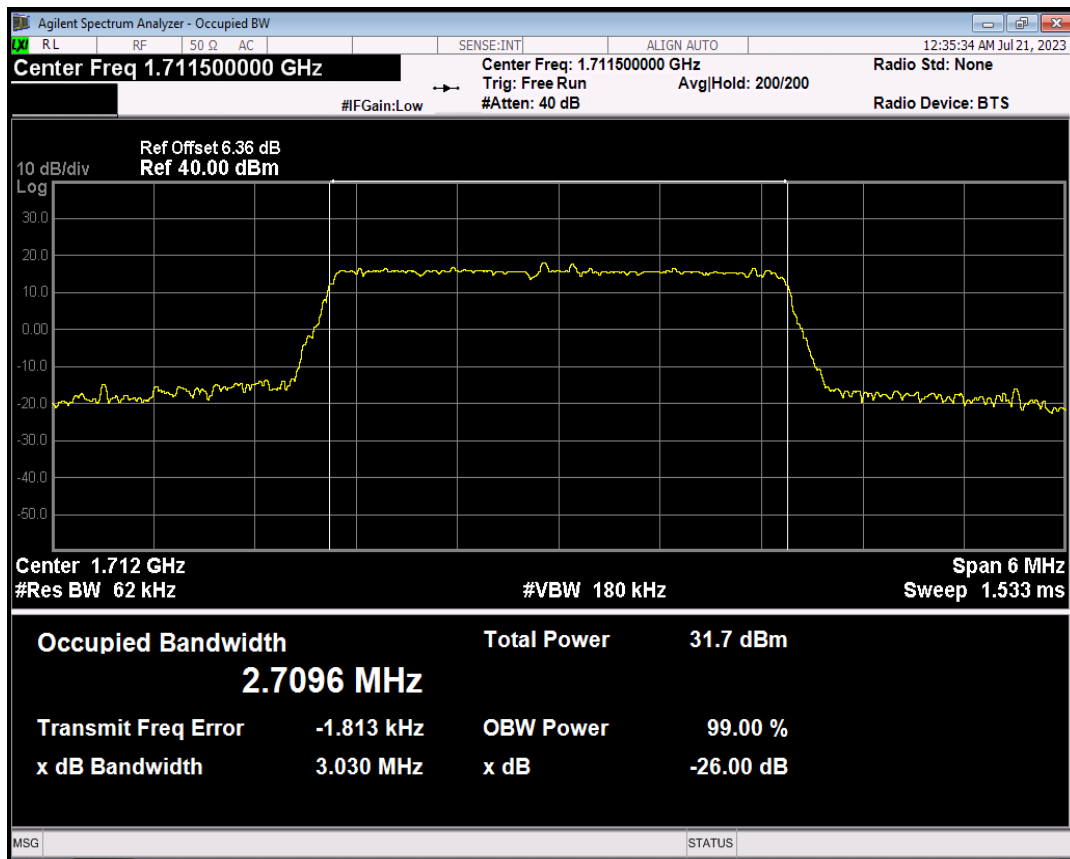


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

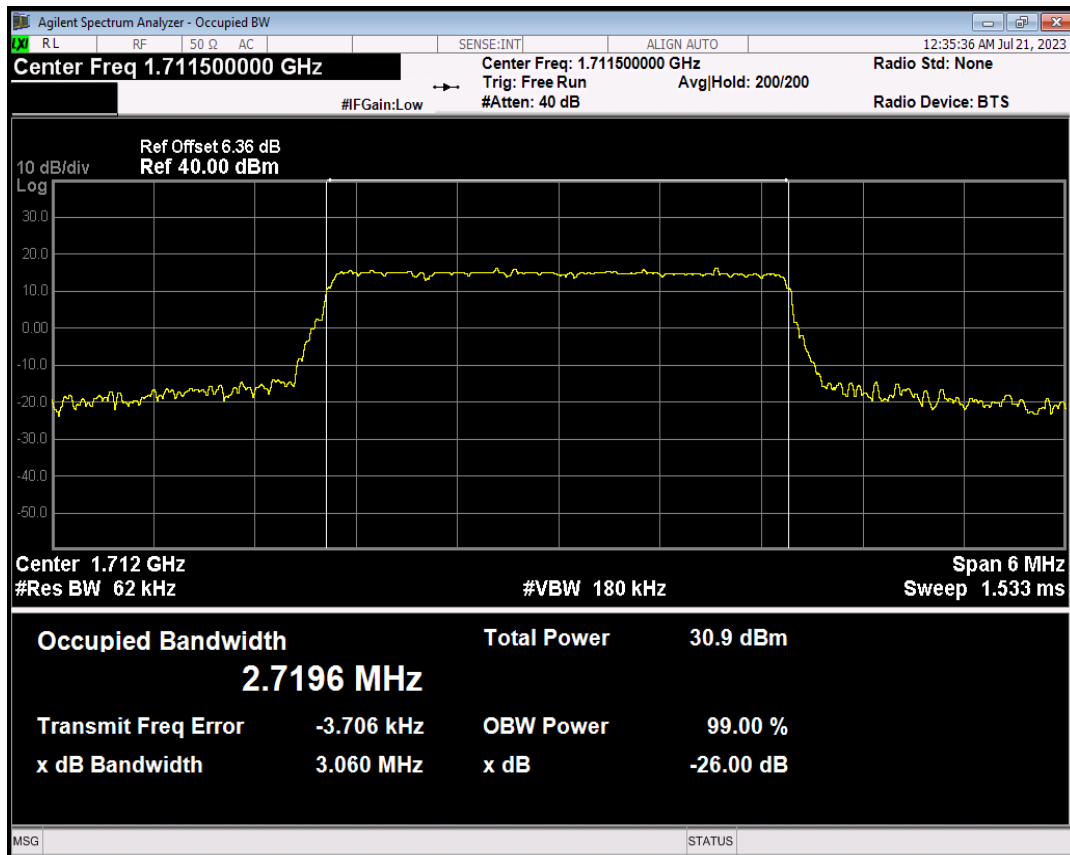


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



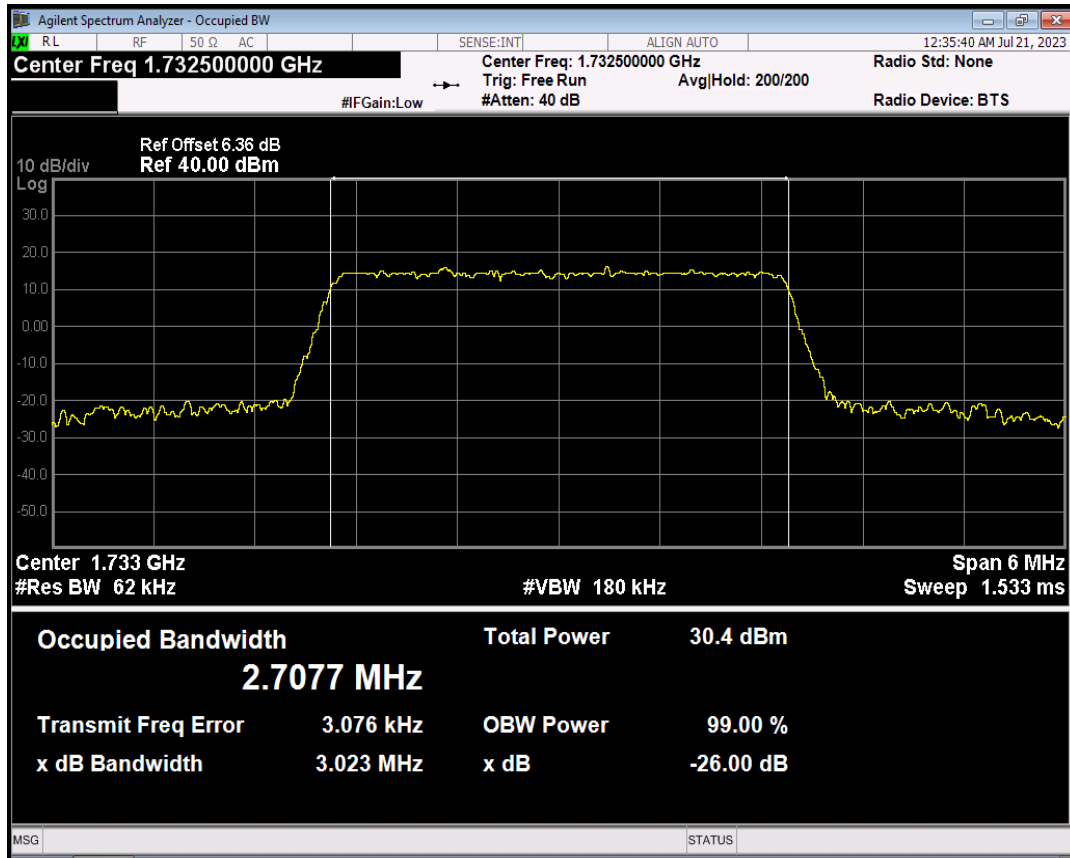


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

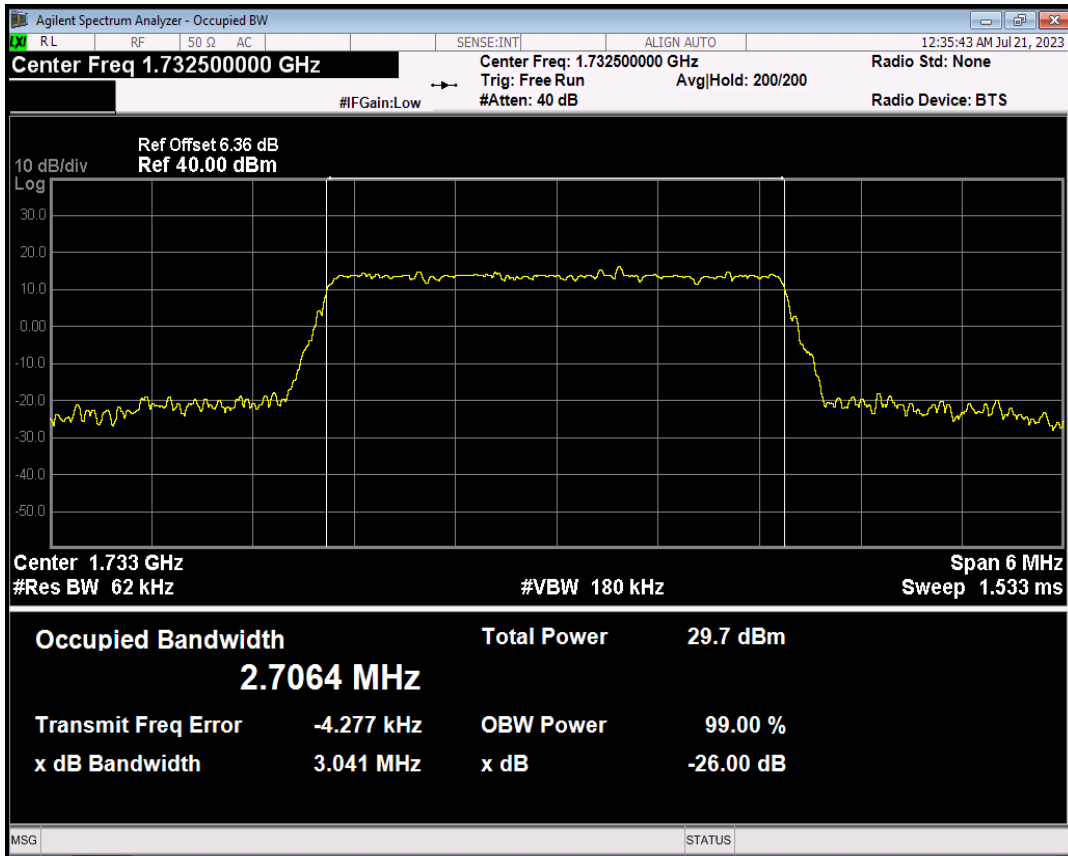




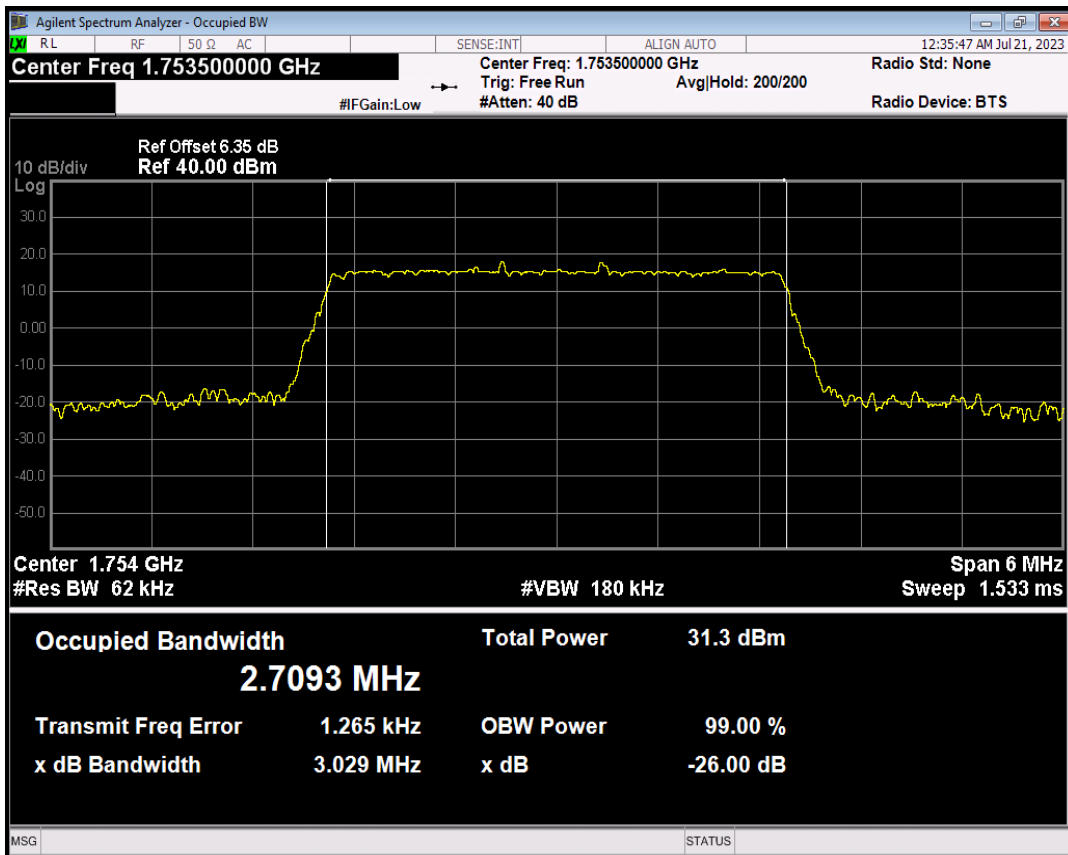
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



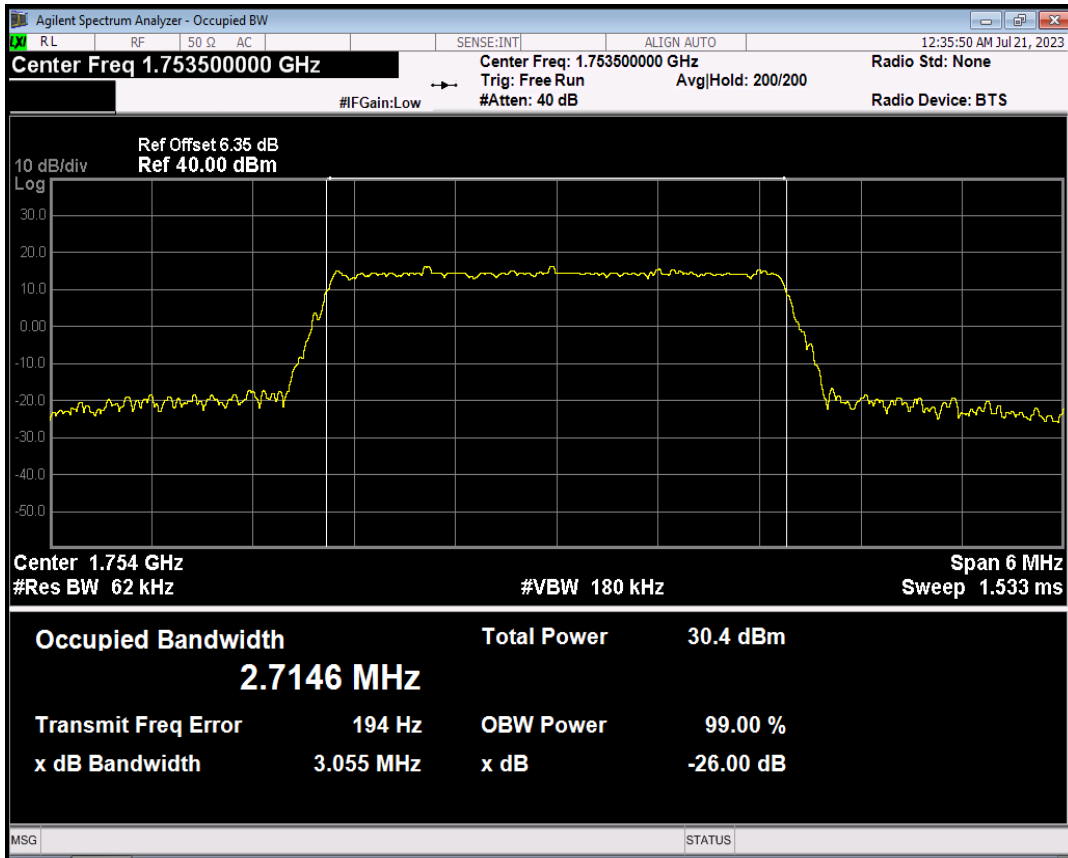
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



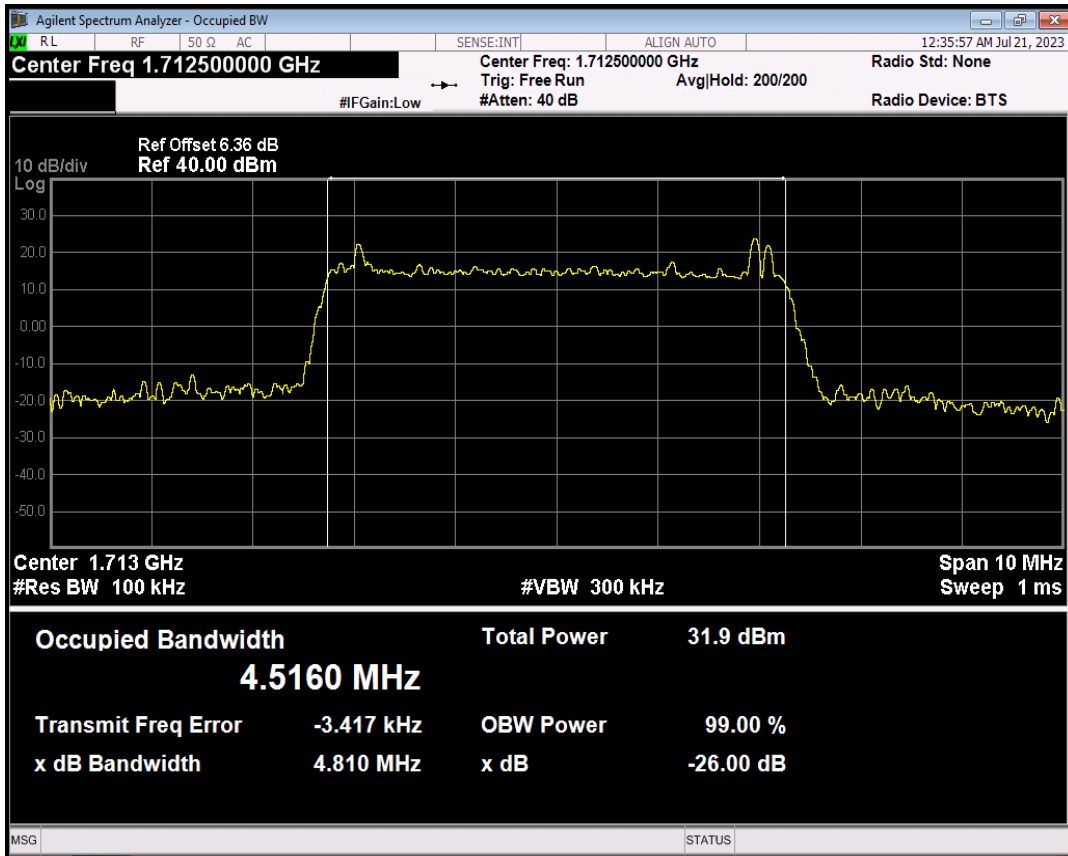
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



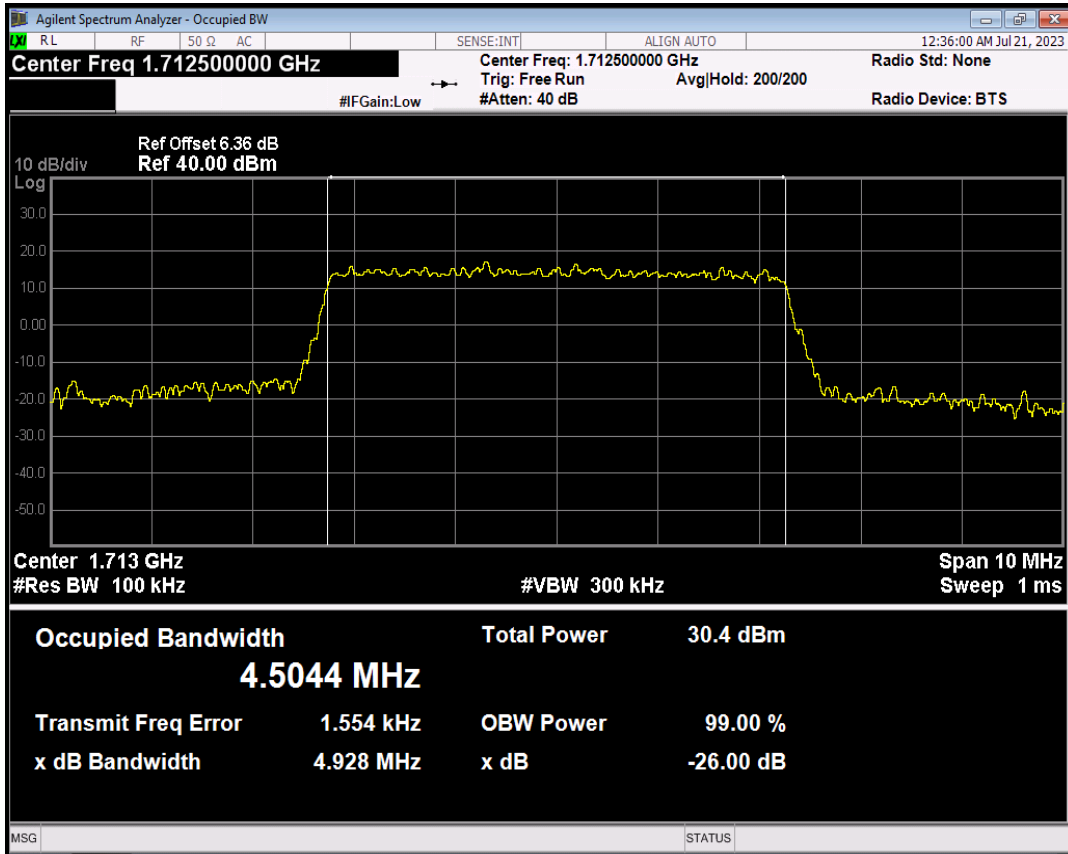
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



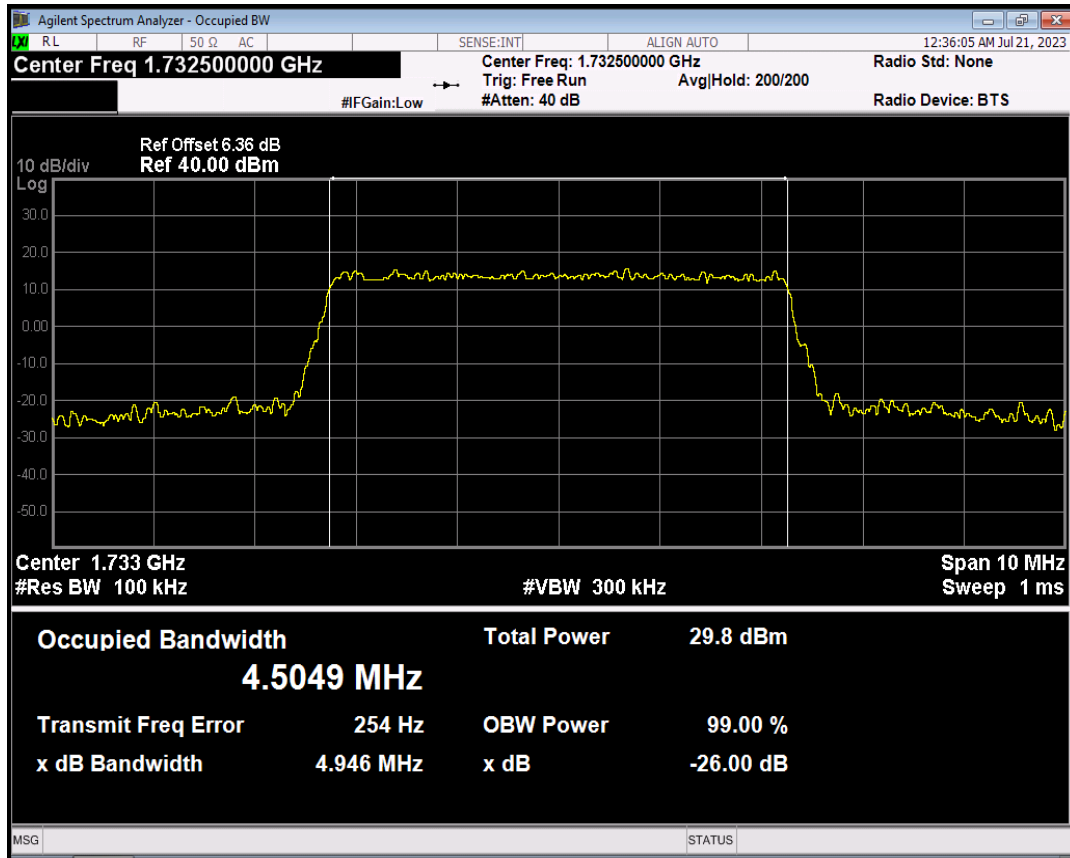
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



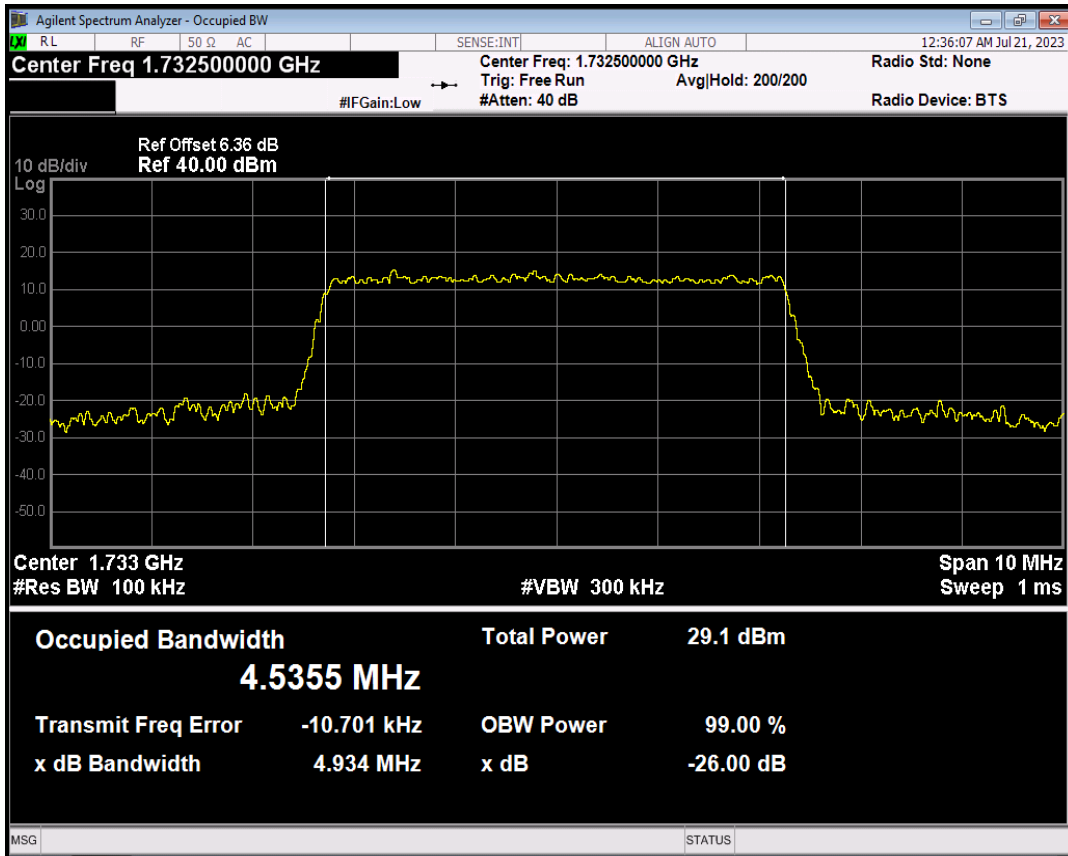
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



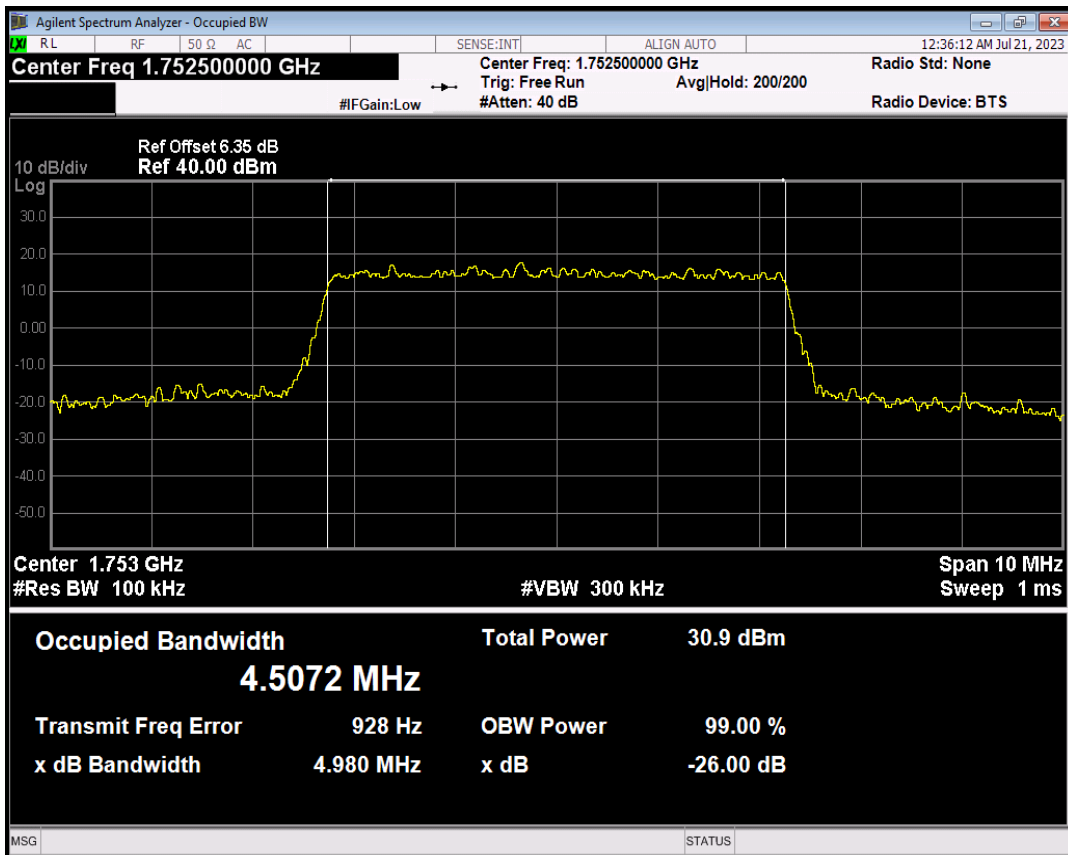
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



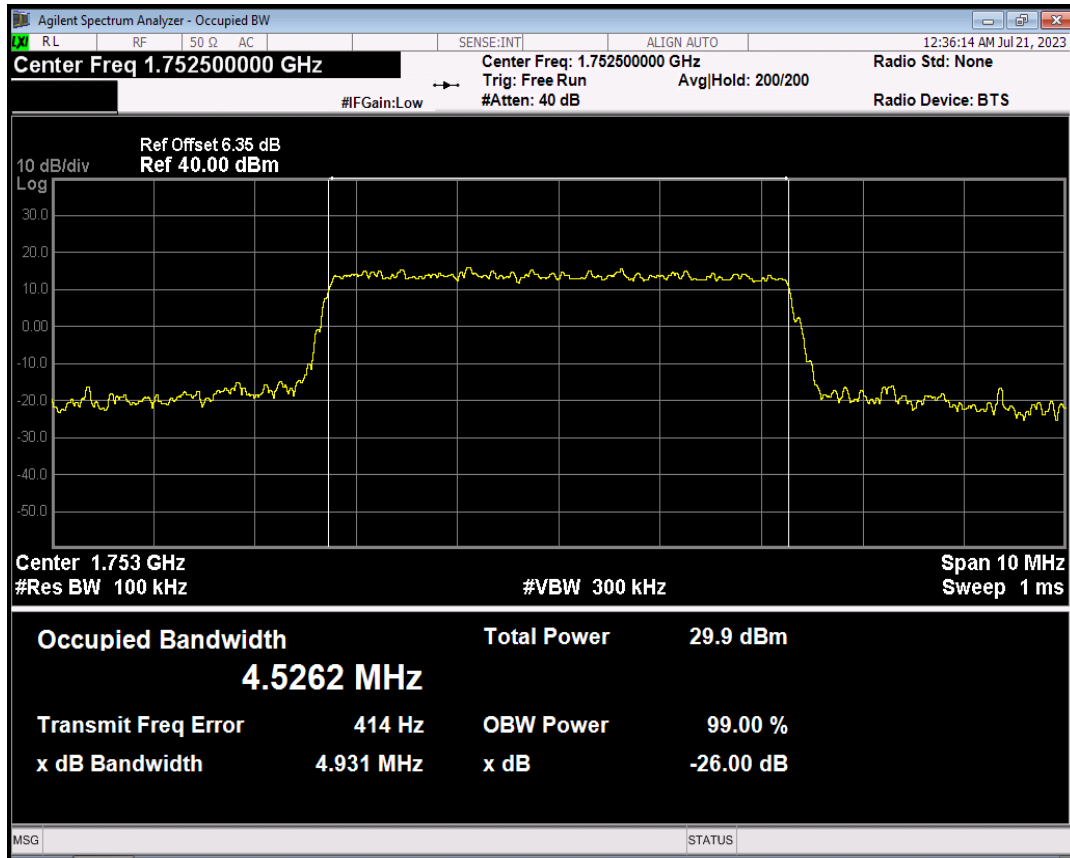
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



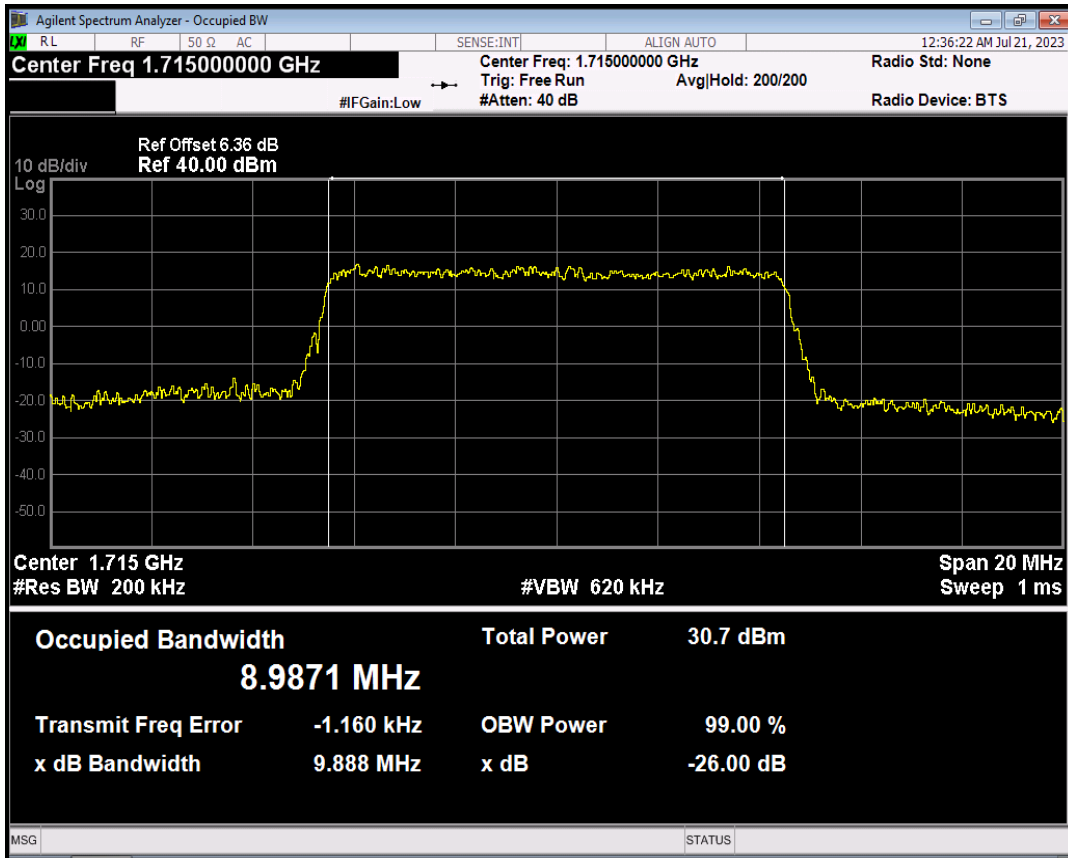
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



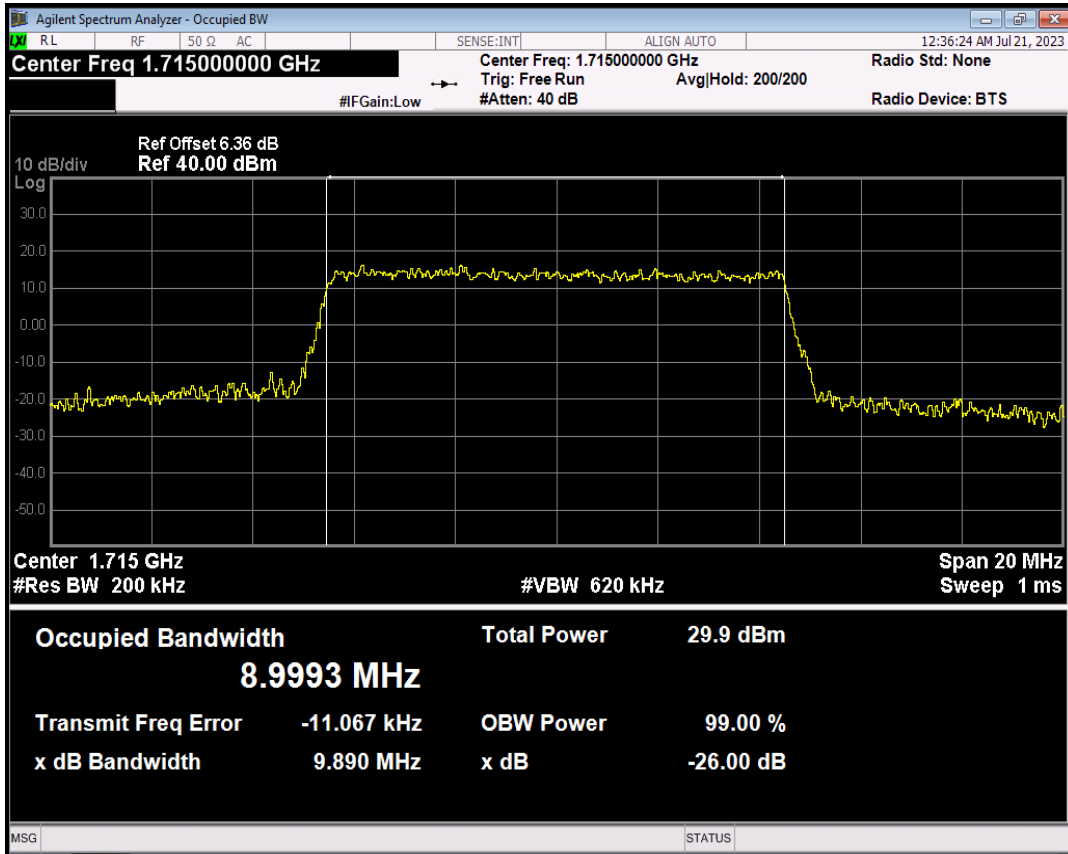
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



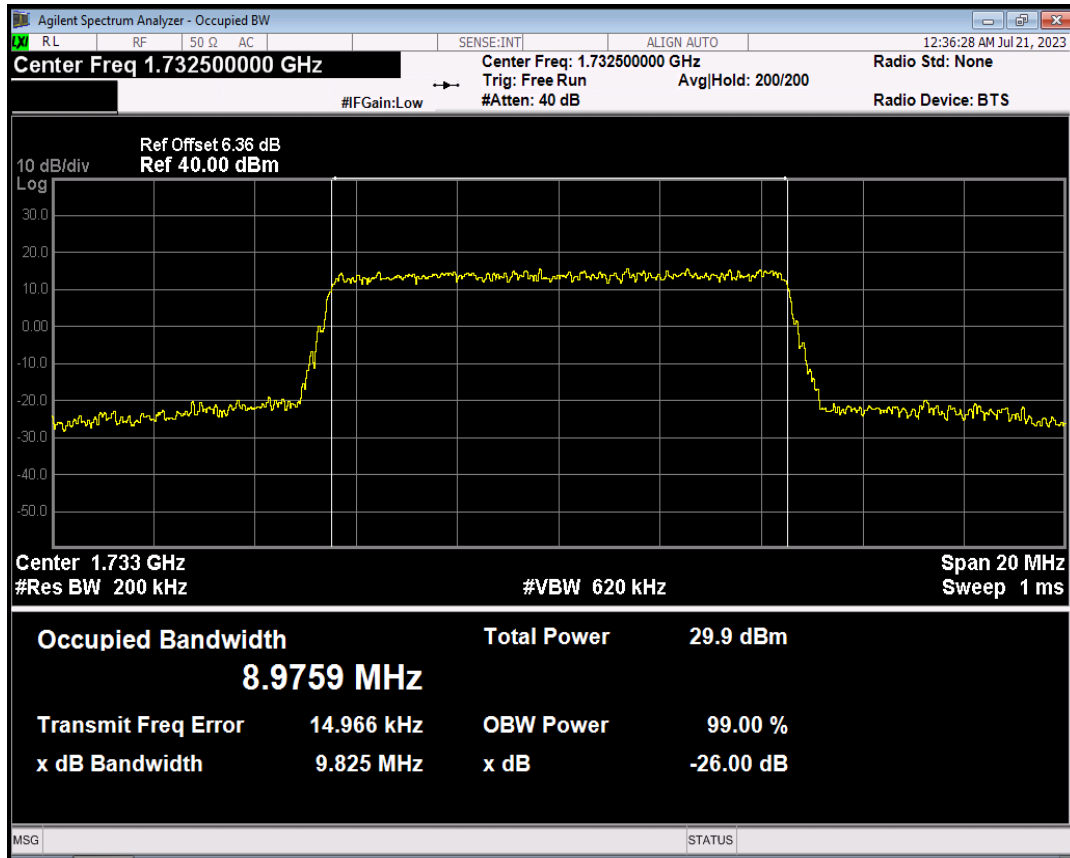
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



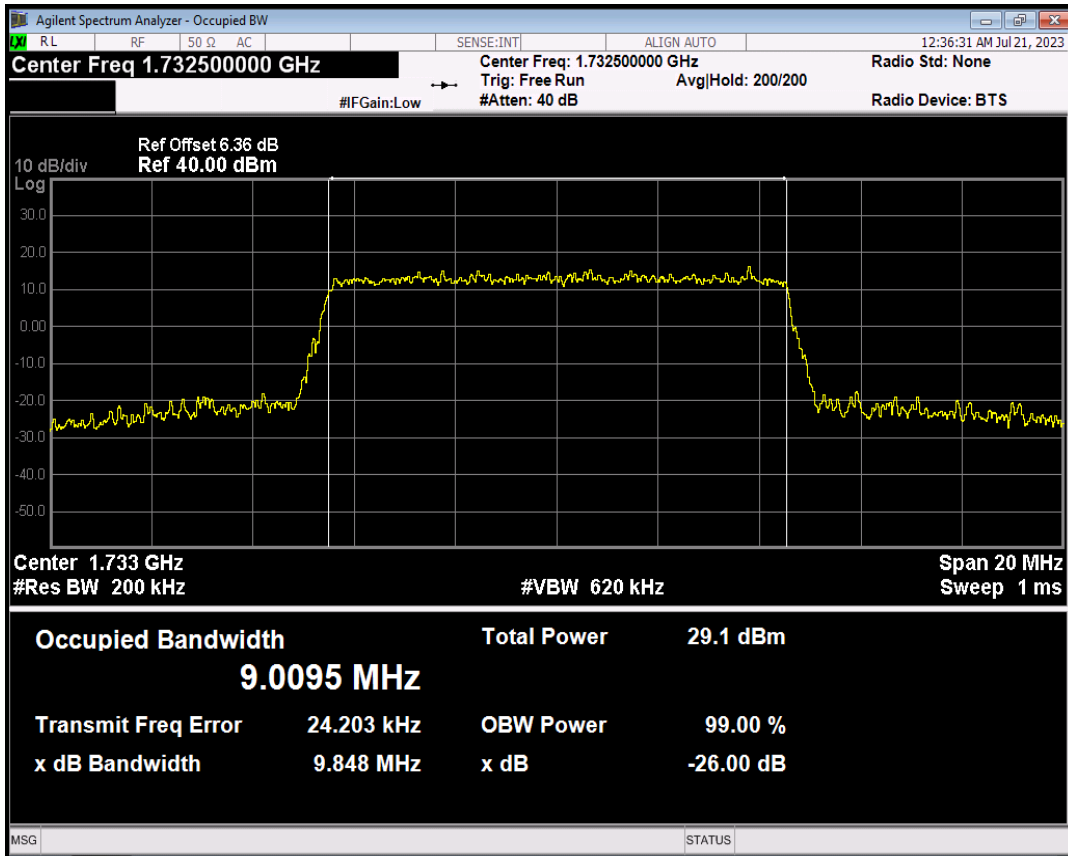
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



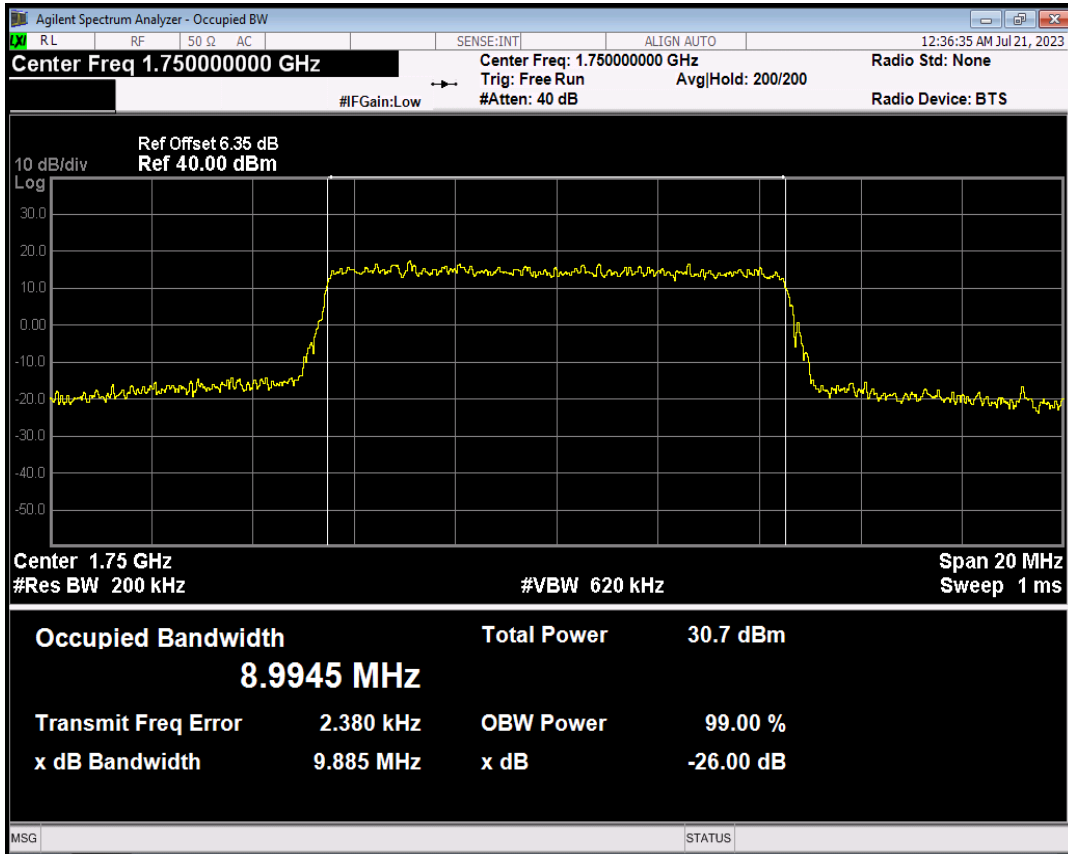
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



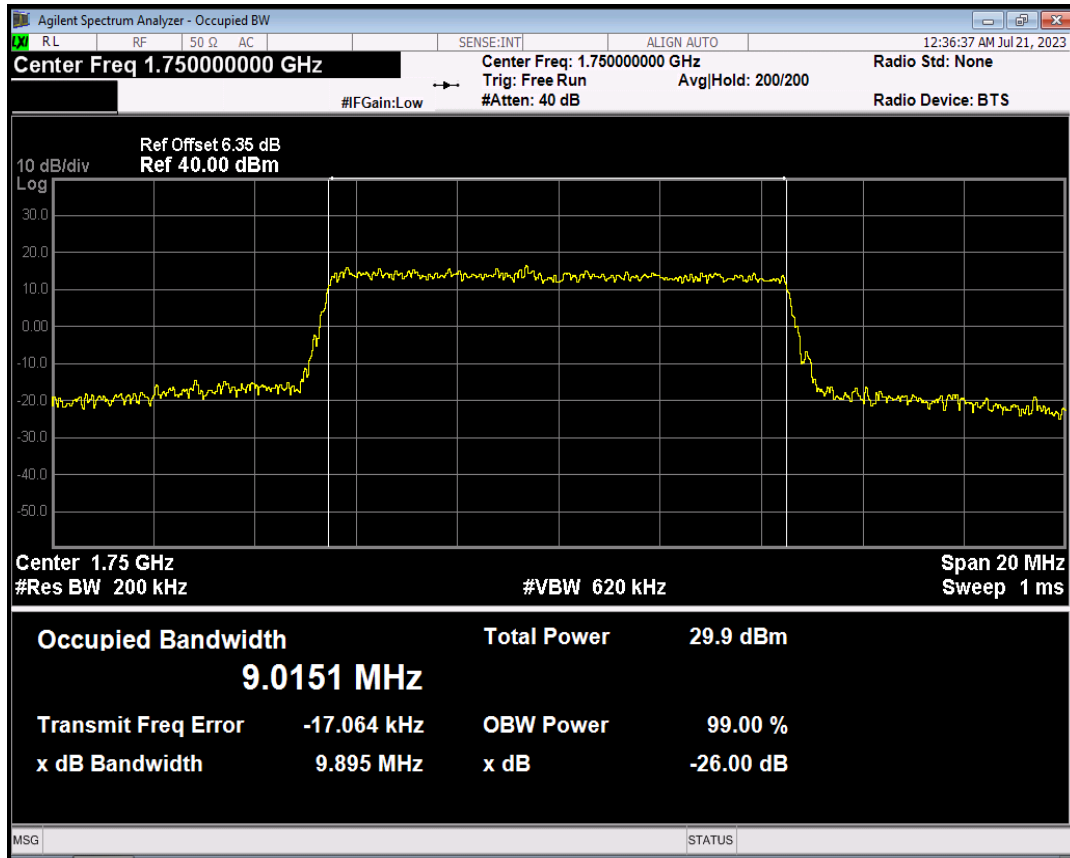
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



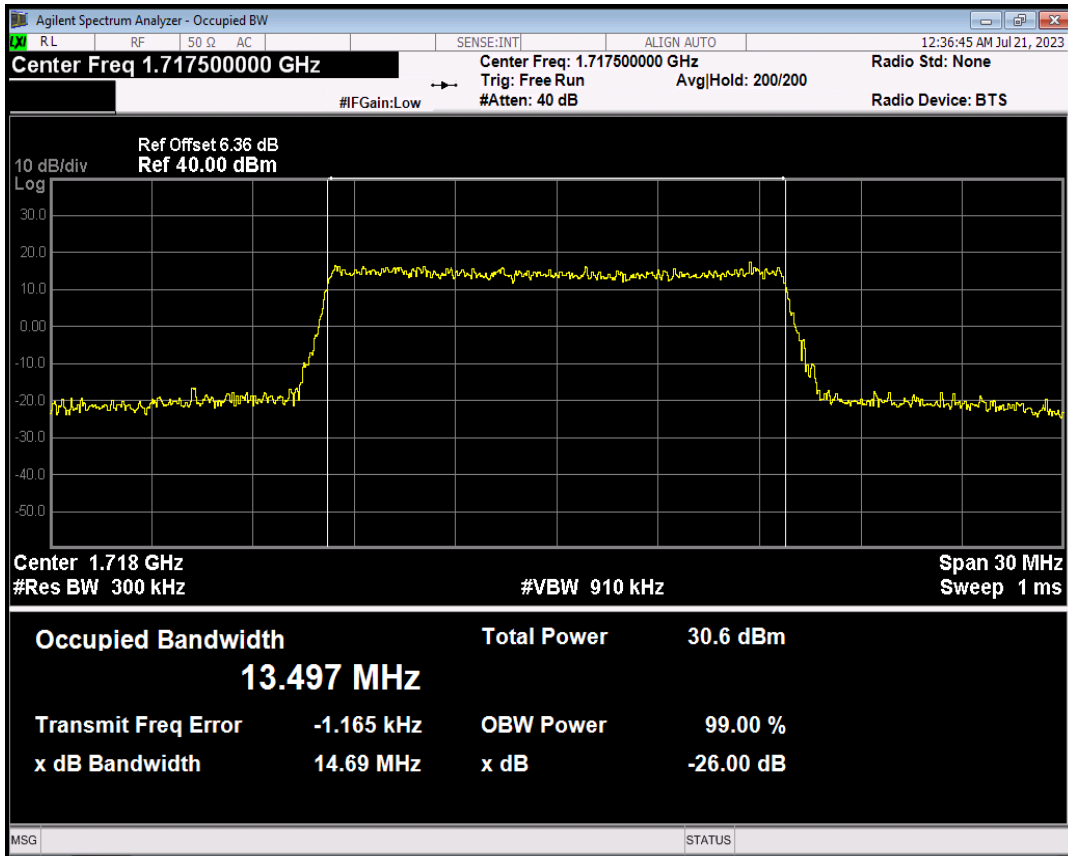
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



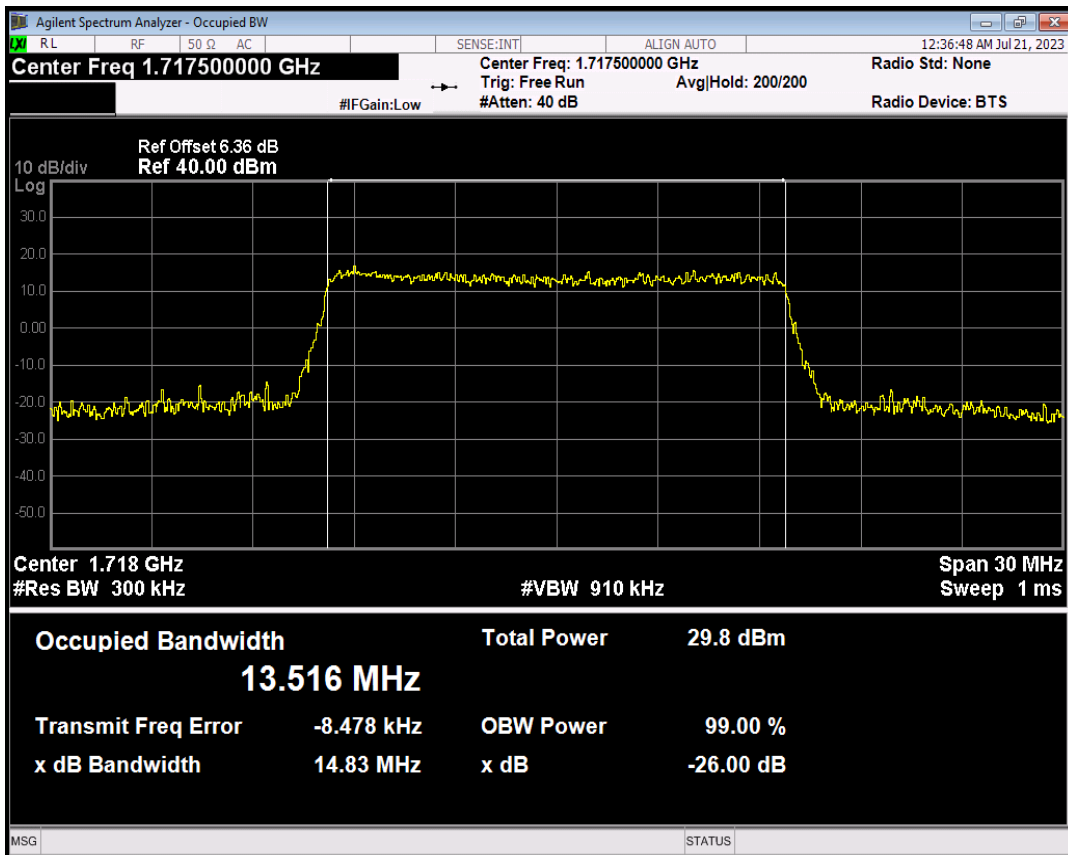
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



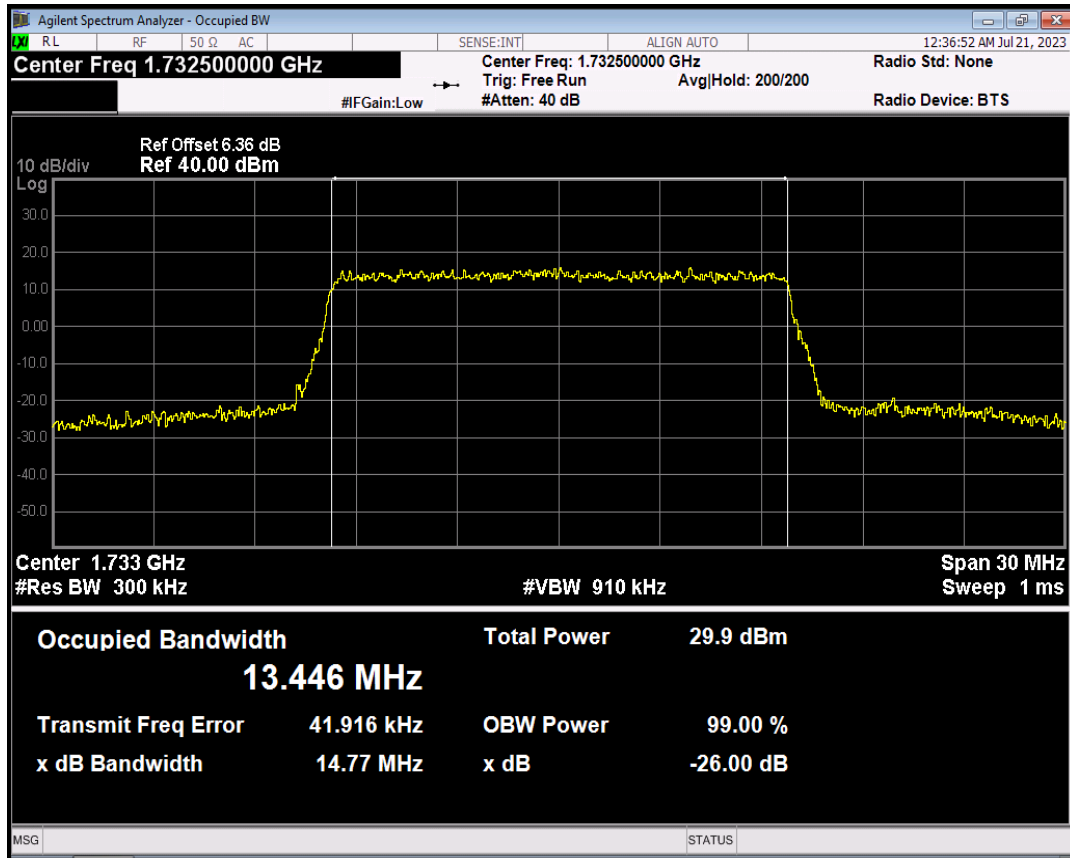
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



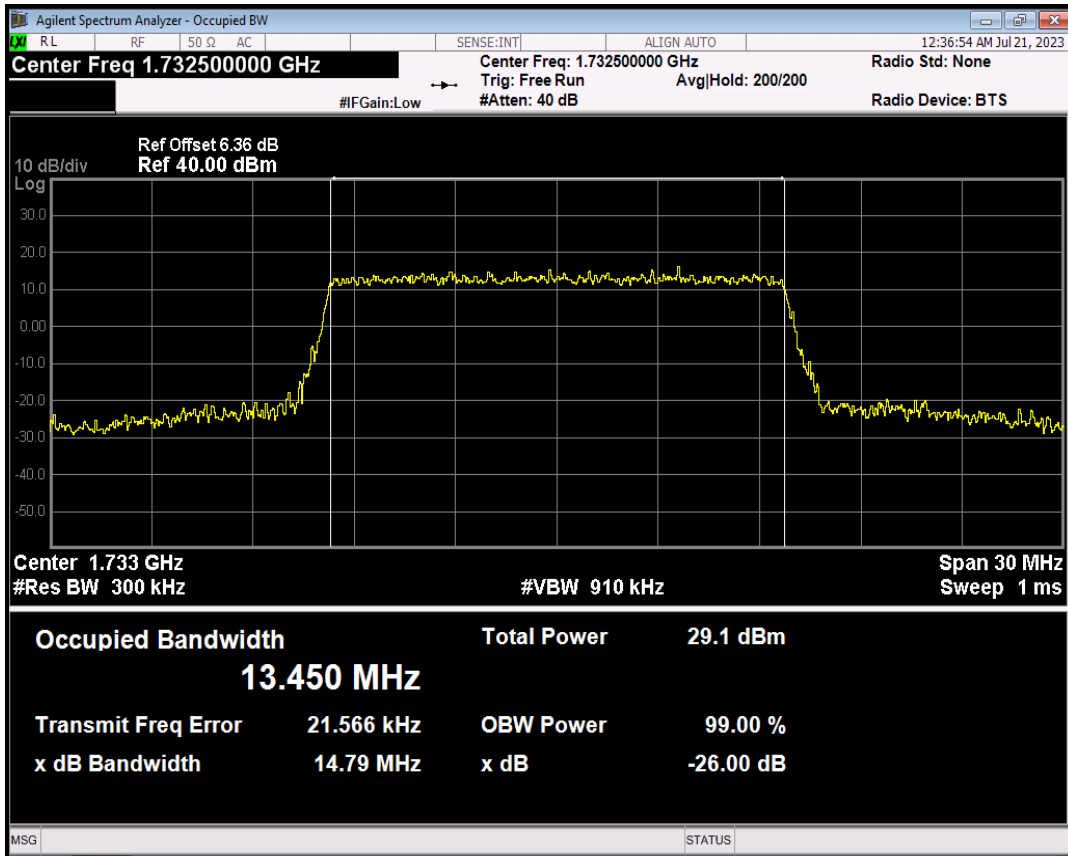
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



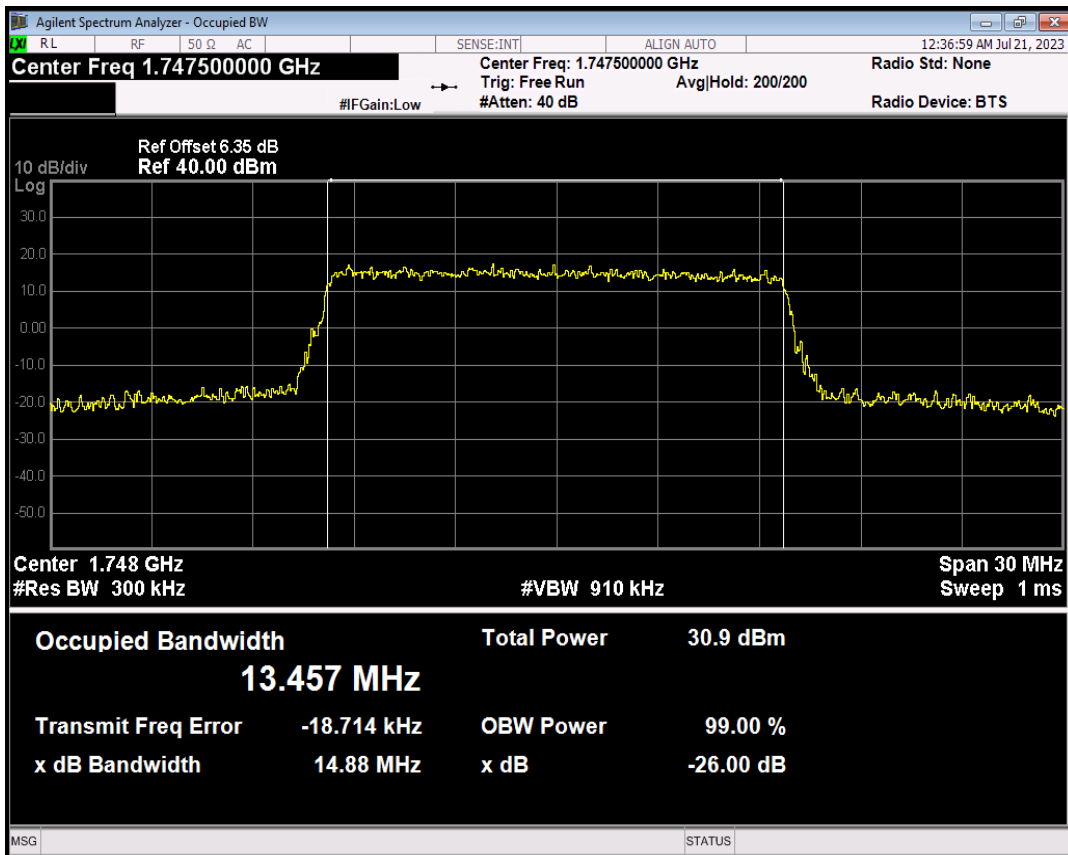
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



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

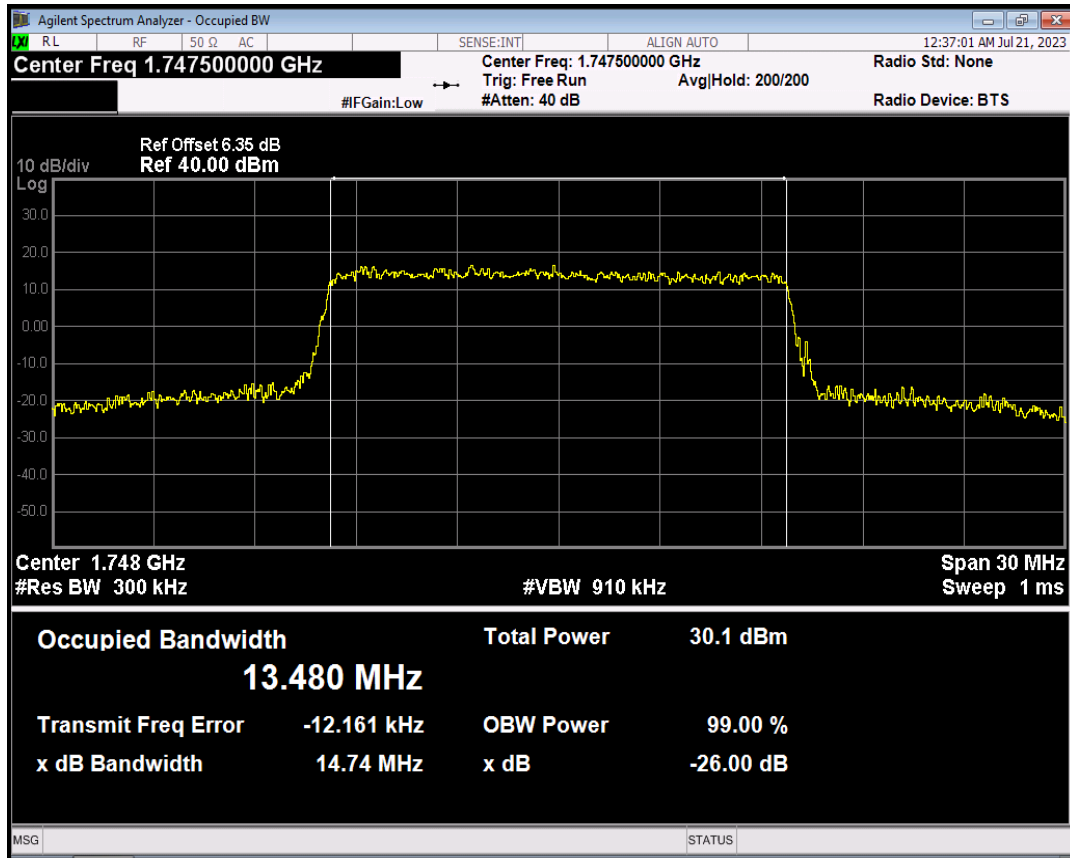


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

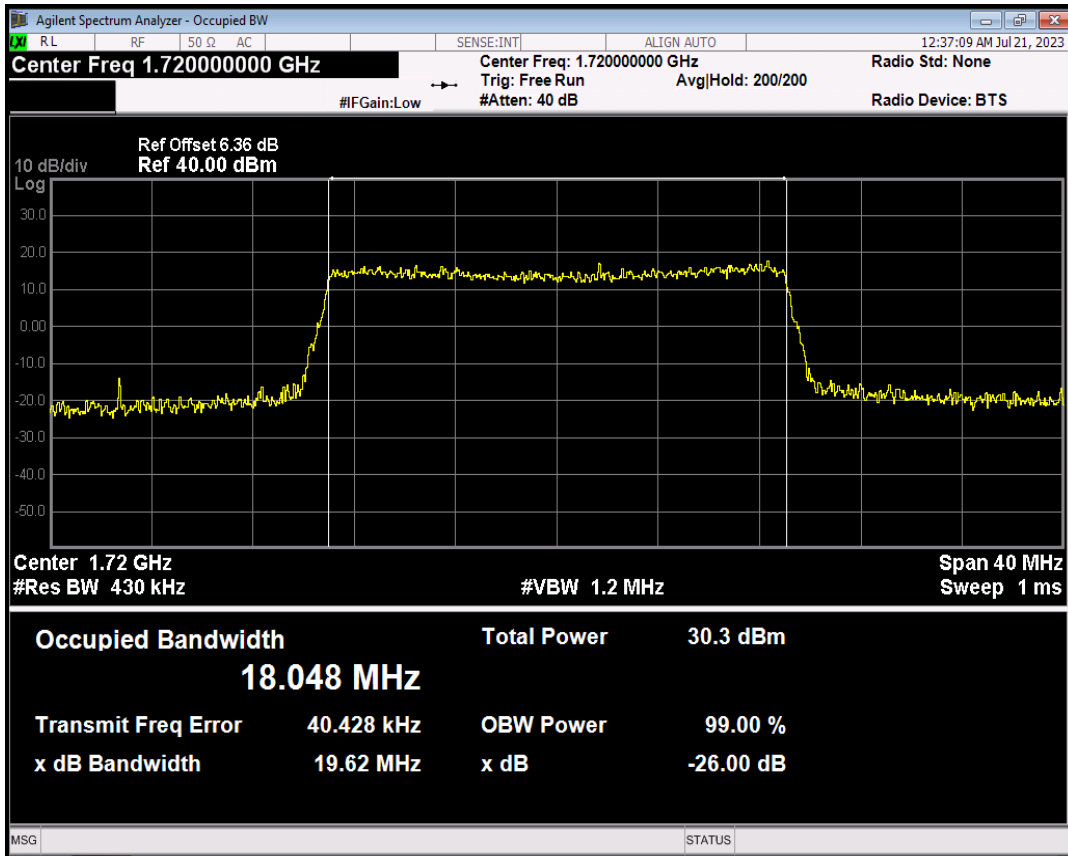




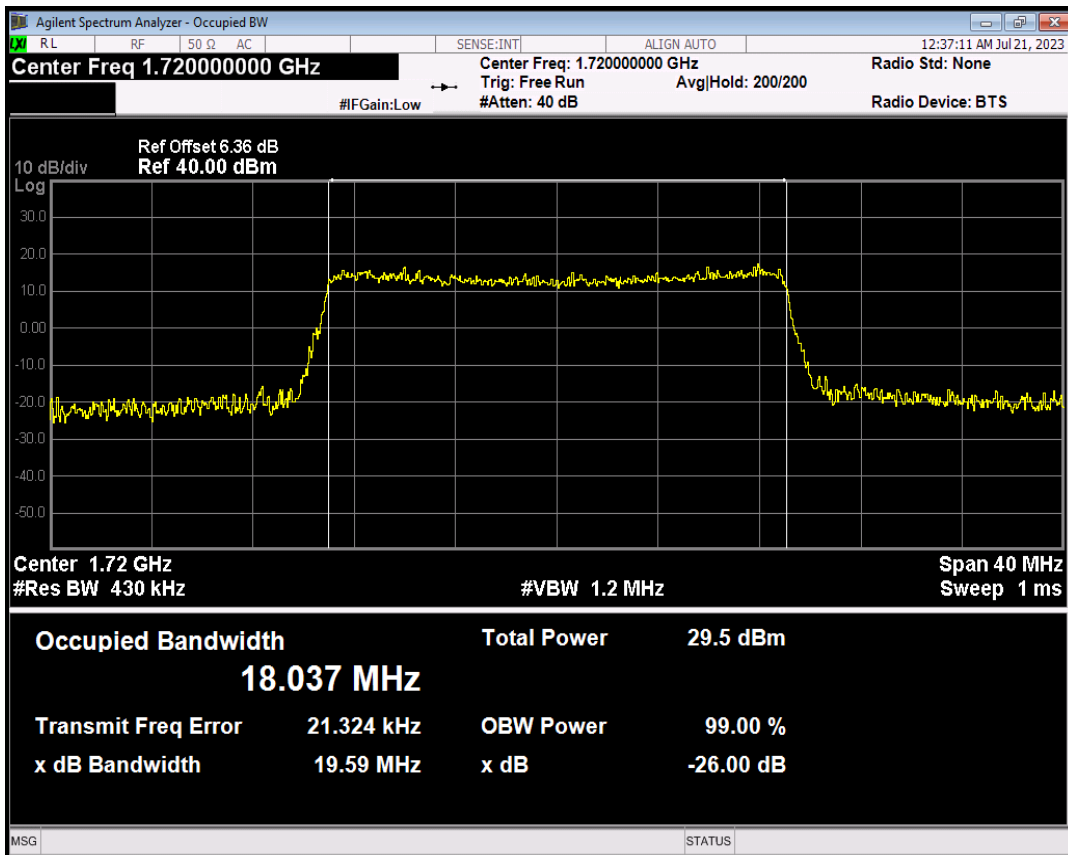
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



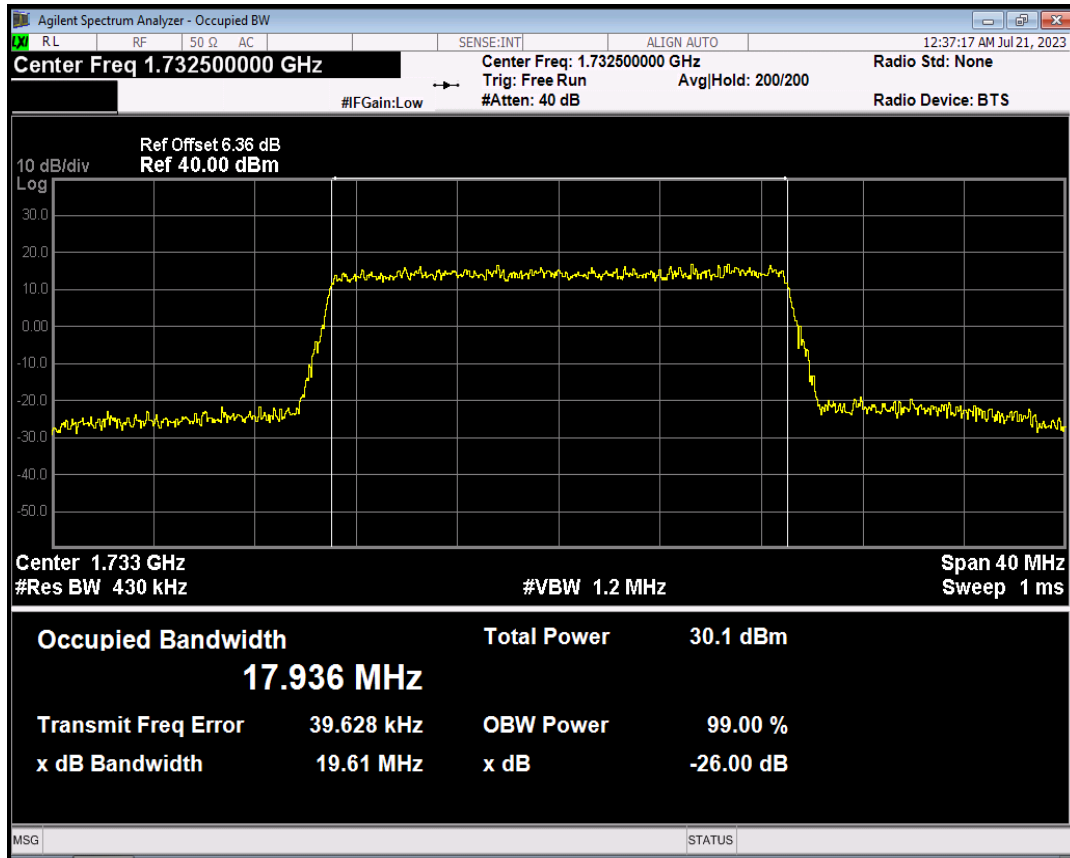
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



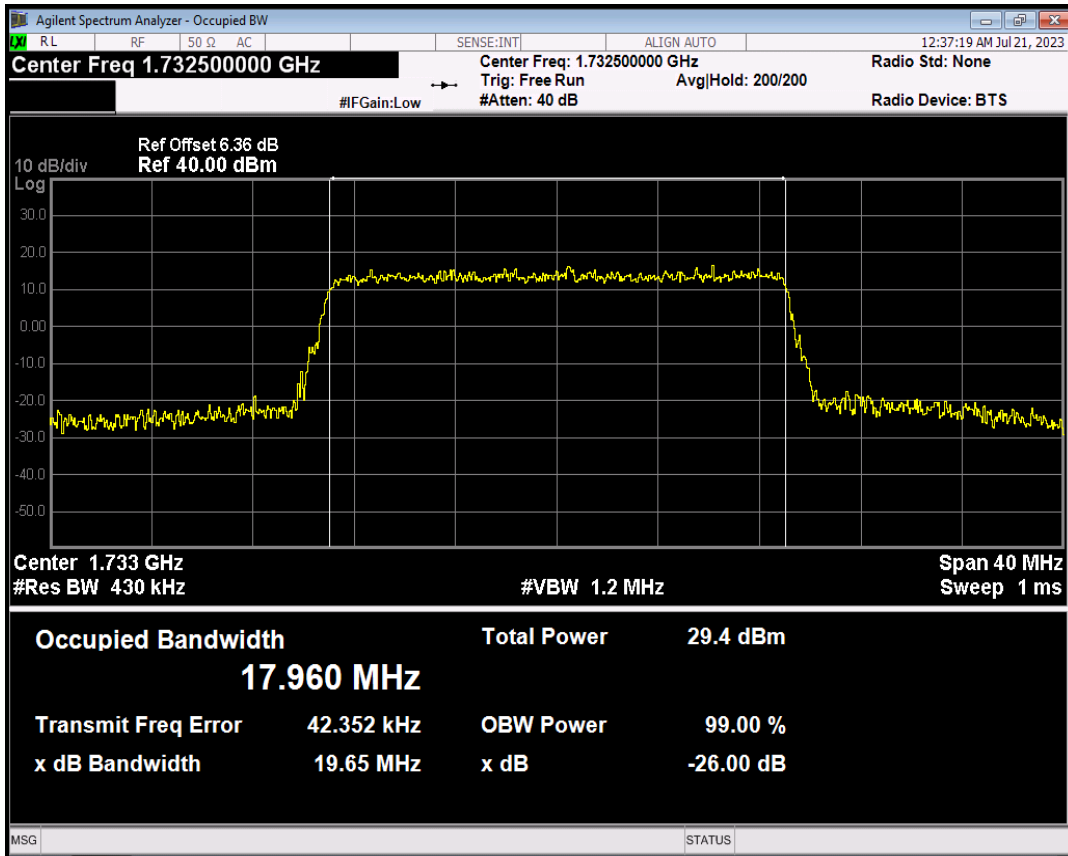
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



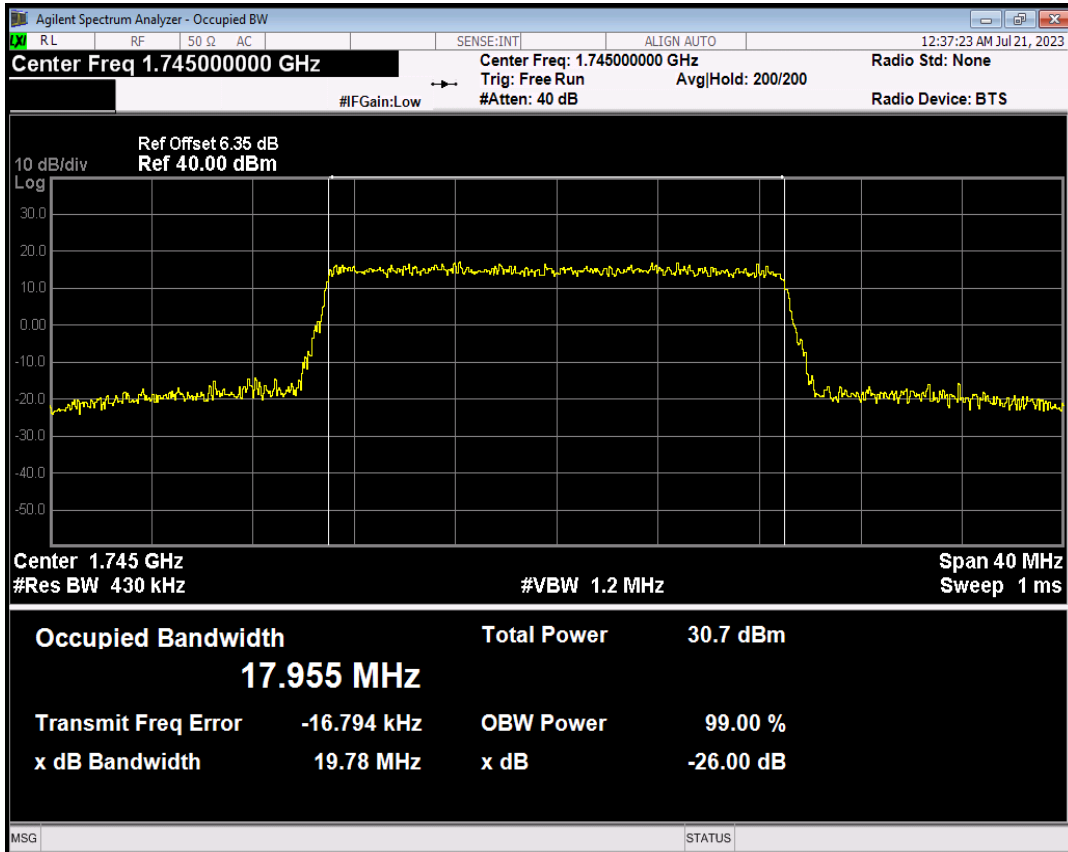
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



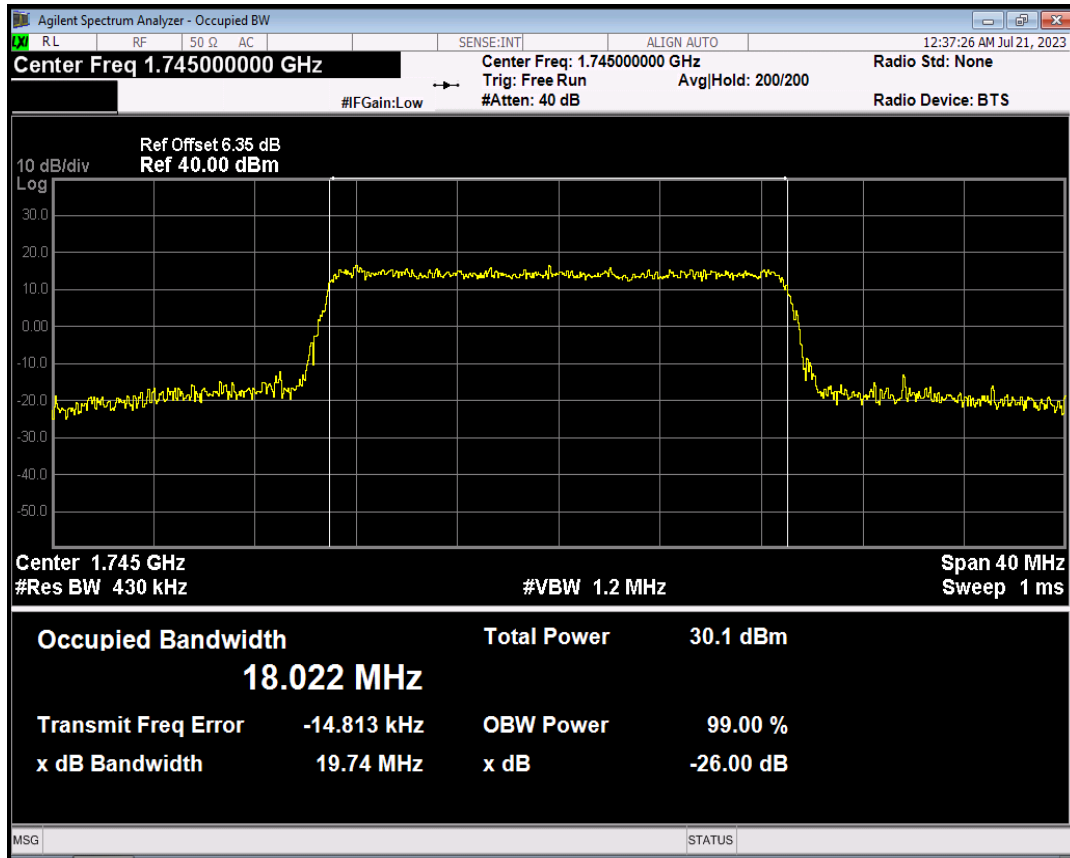
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



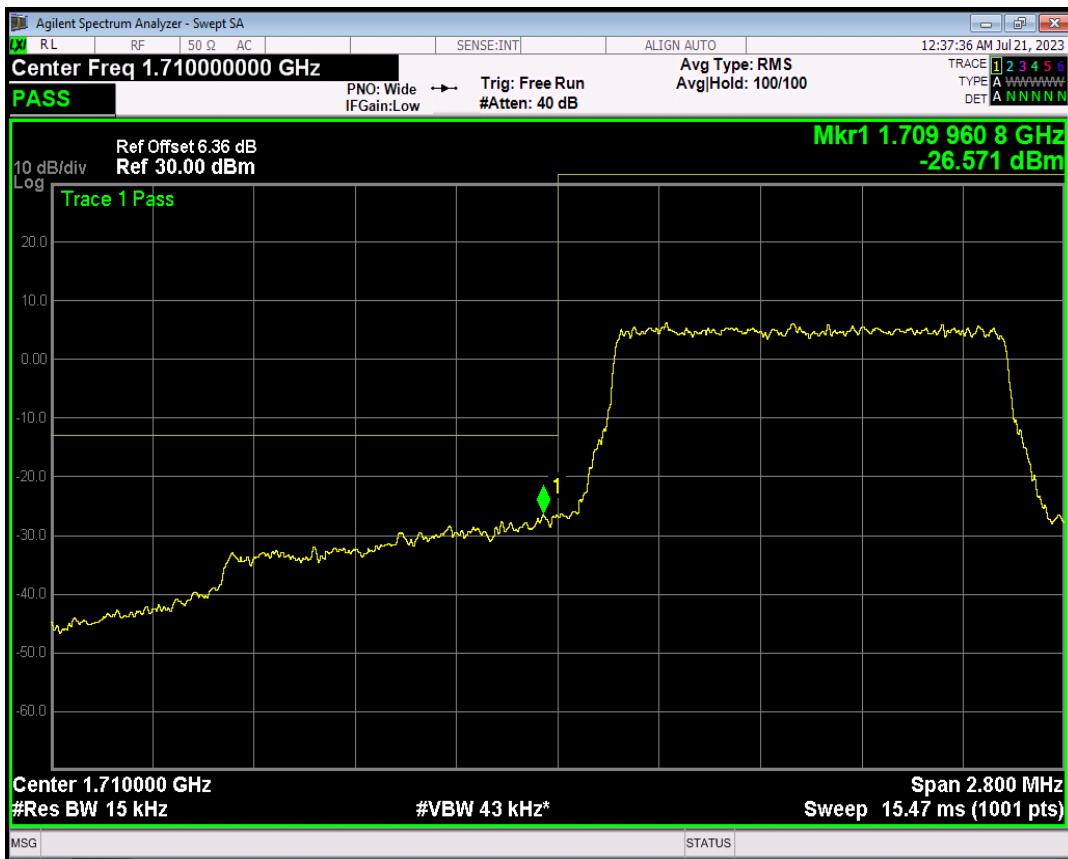
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



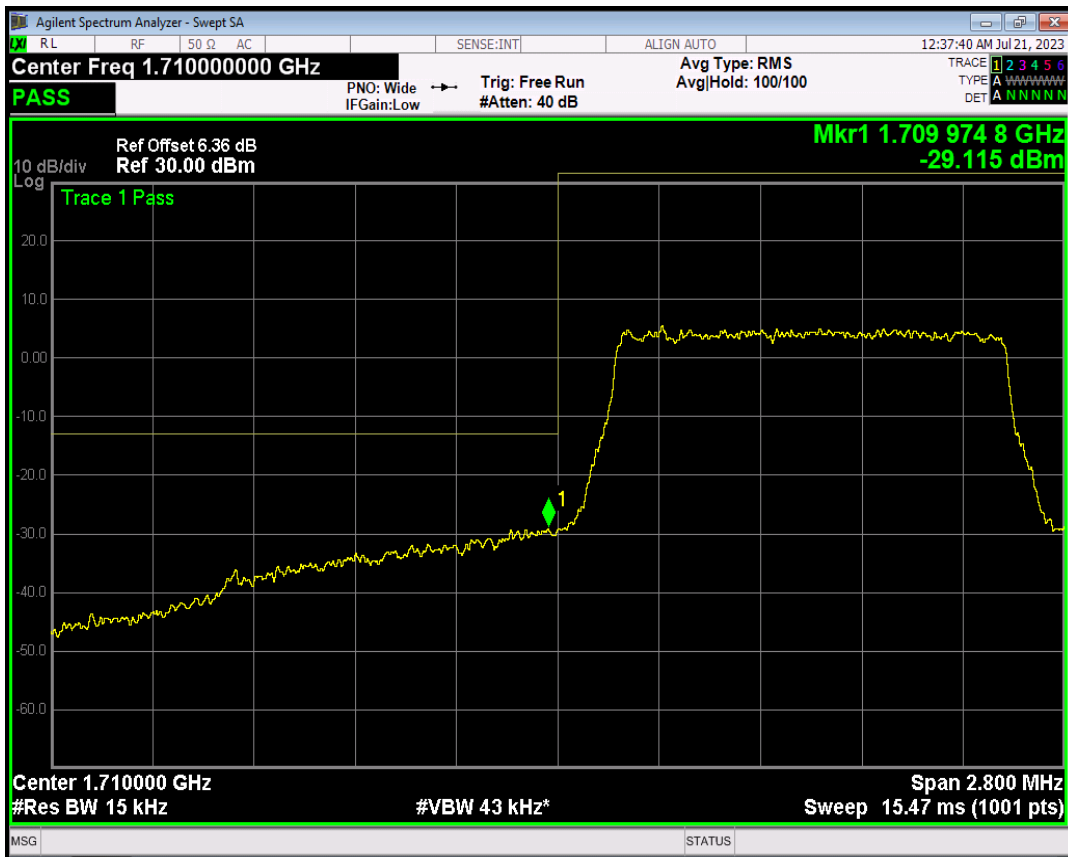
Appendix 5. Band edge

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	1709.96	-26.57	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.97	-29.11	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.01	-30.99	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.06	-31.65	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-21.76	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-23.13	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-25.83	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-25.72	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-26.89	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-27.66	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-28.27	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-29.78	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-28.56	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-30.22	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-28.06	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-28.60	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.70	-29.77	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.97	-32.45	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.54	-28.23	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.06	-30.28	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-32.14	-13	PASS
Band4	20	20050	100	#0	16QAM	1710.00	-33.27	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.00	-29.77	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.84	-32.25	-13	PASS

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



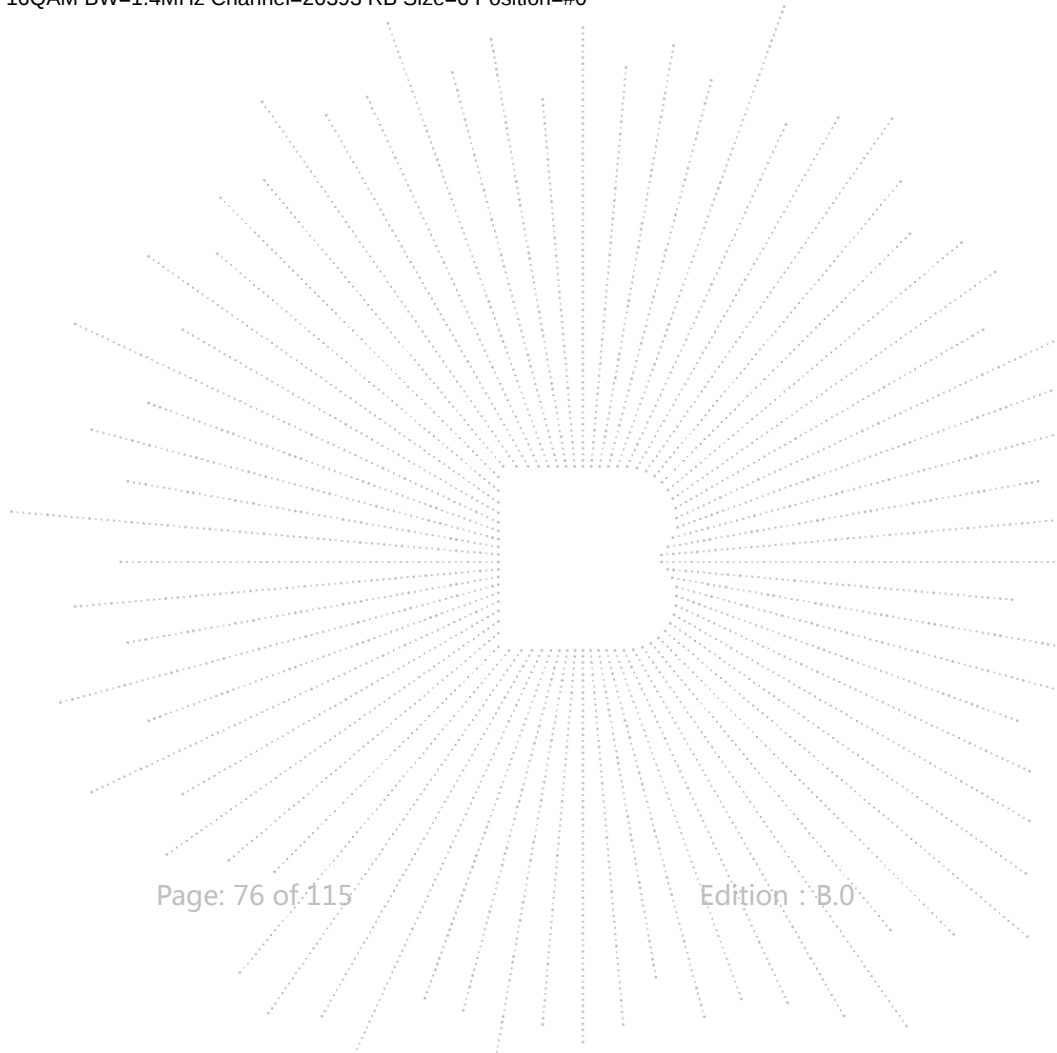
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



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

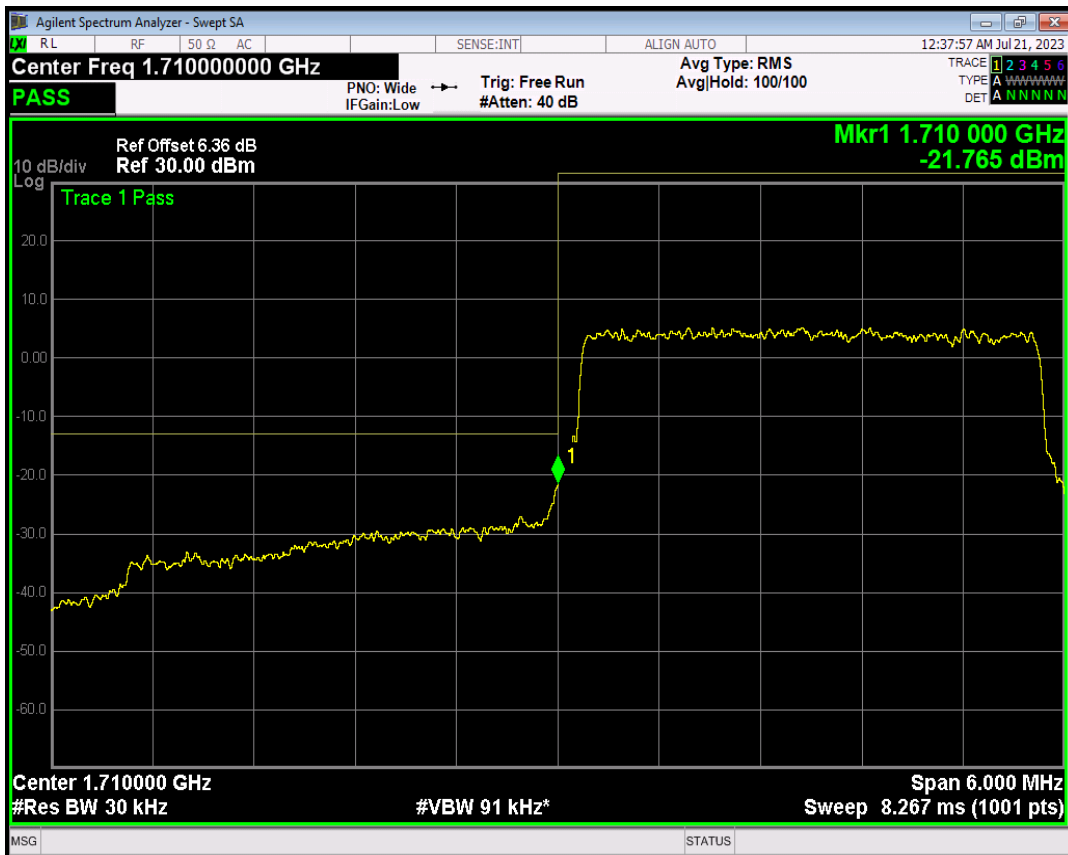


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

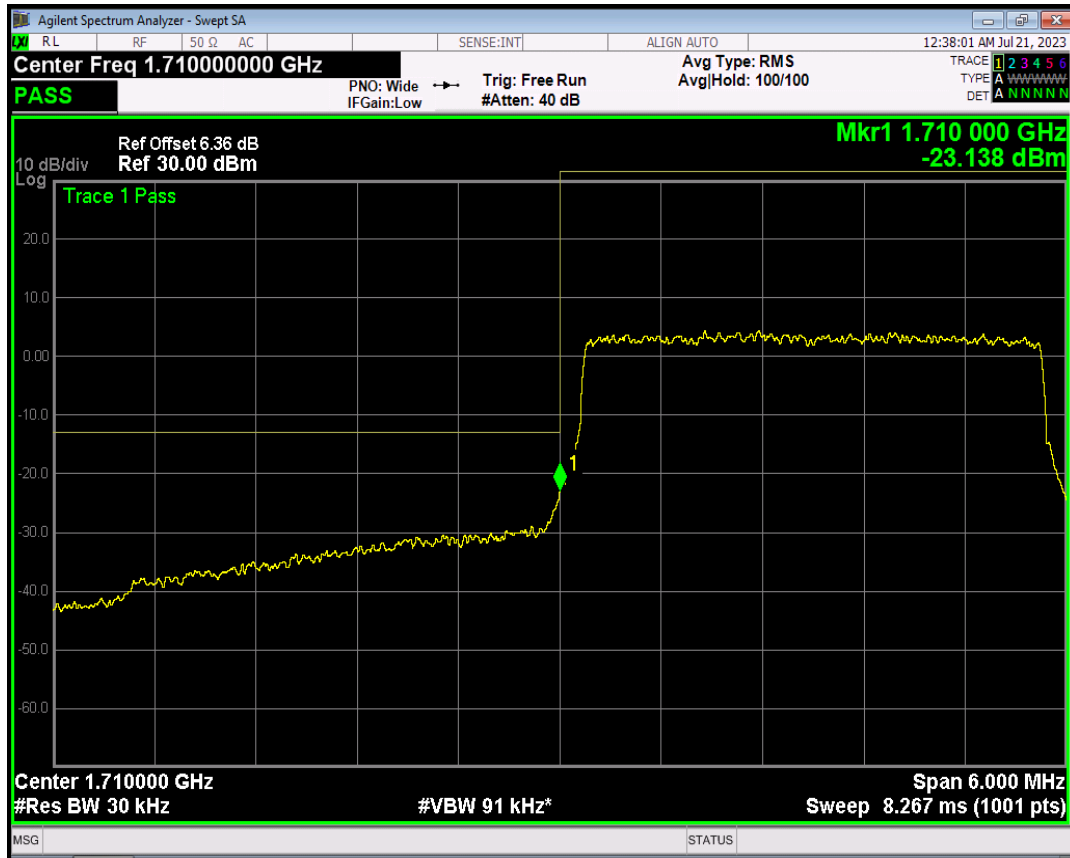




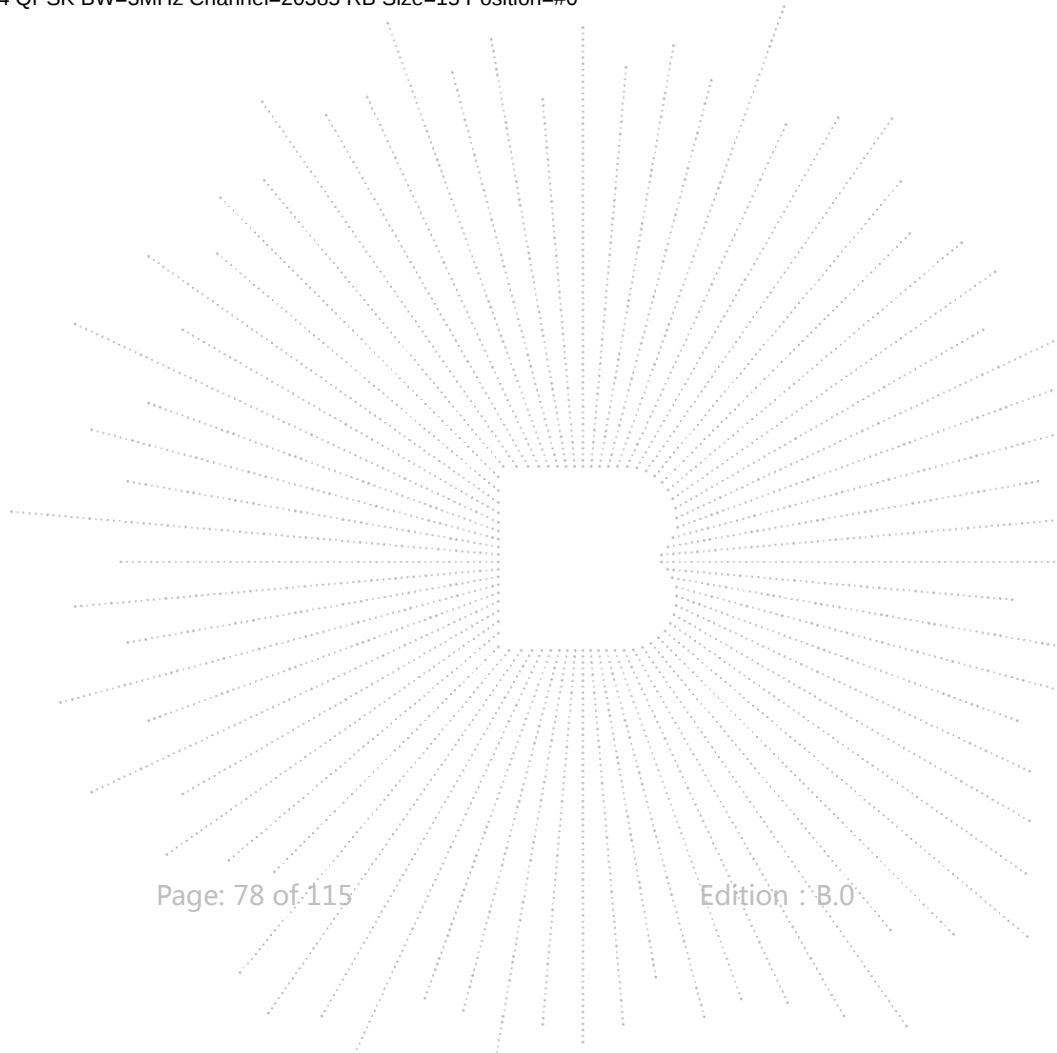
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



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



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

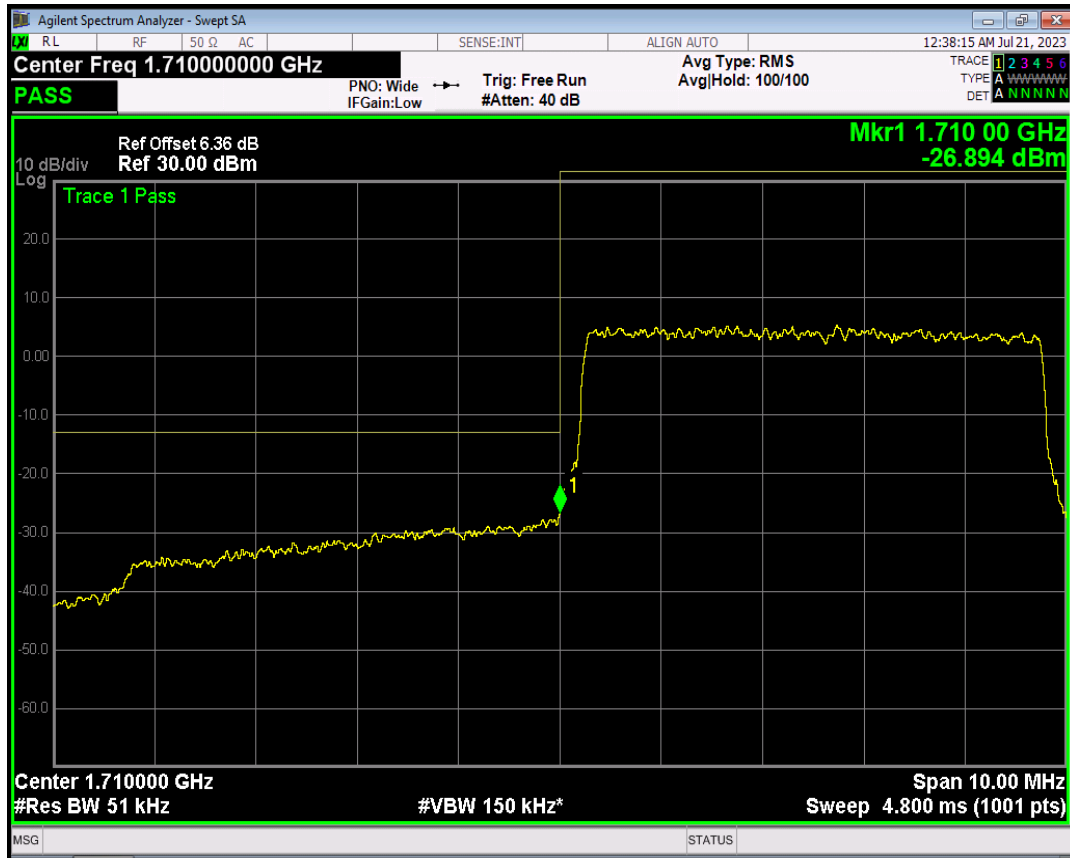




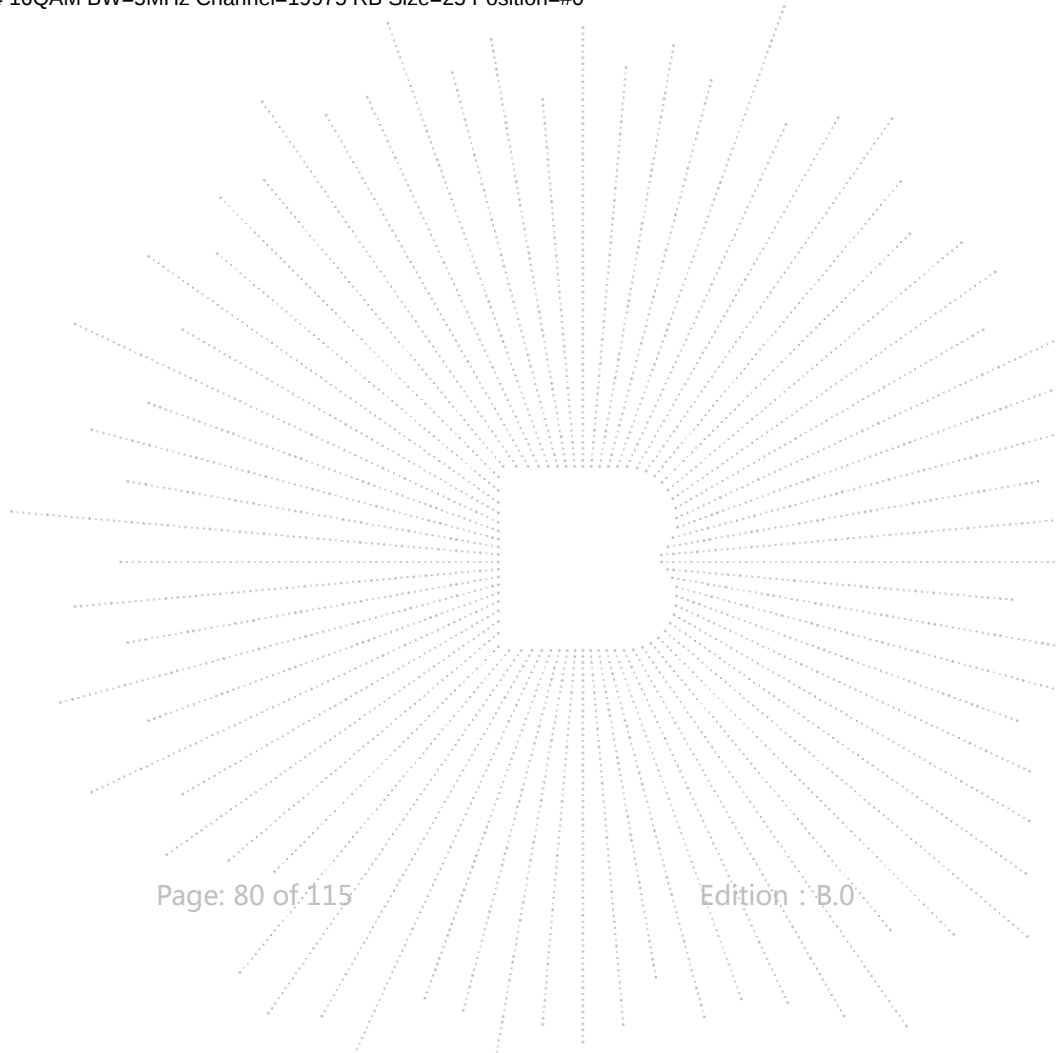
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

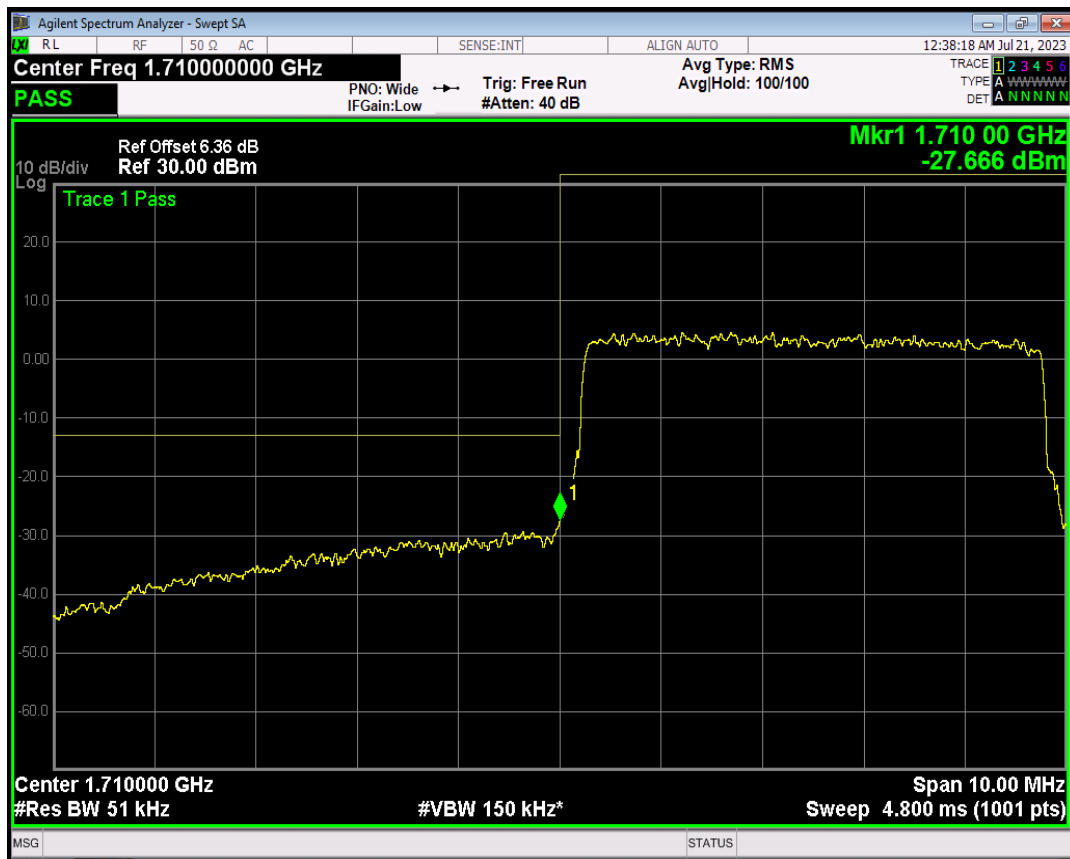


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

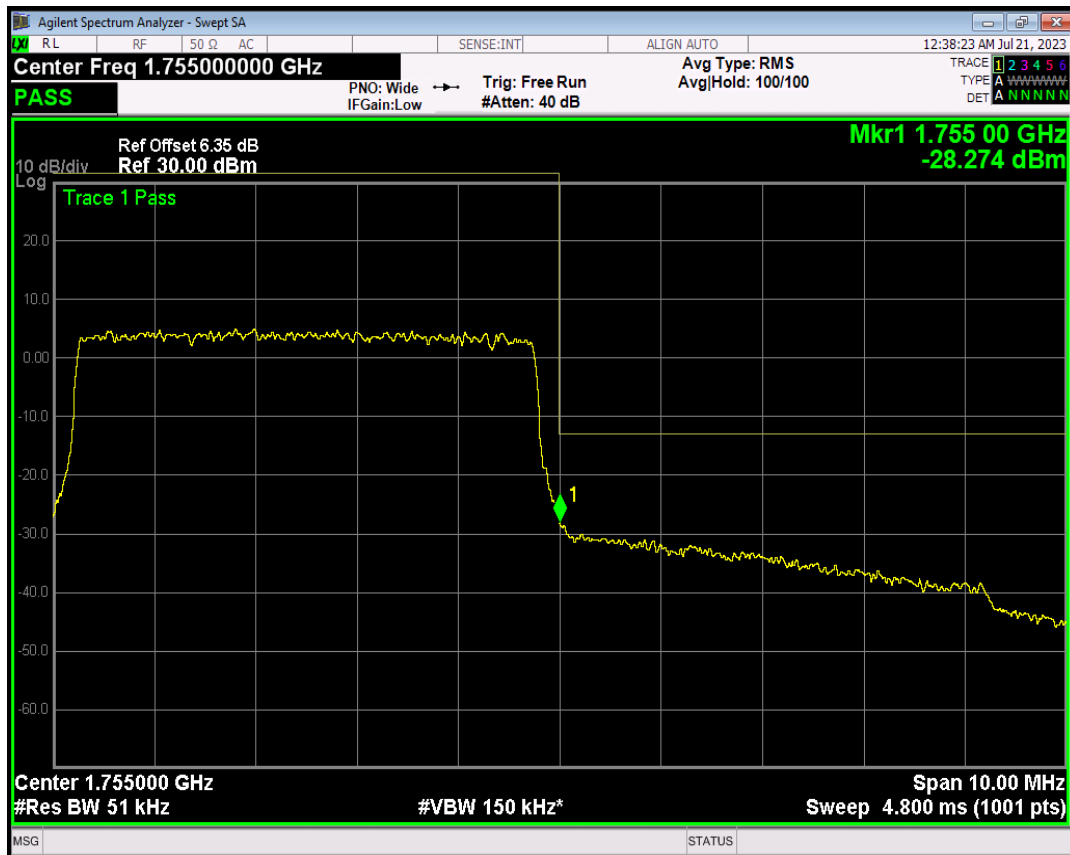


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0





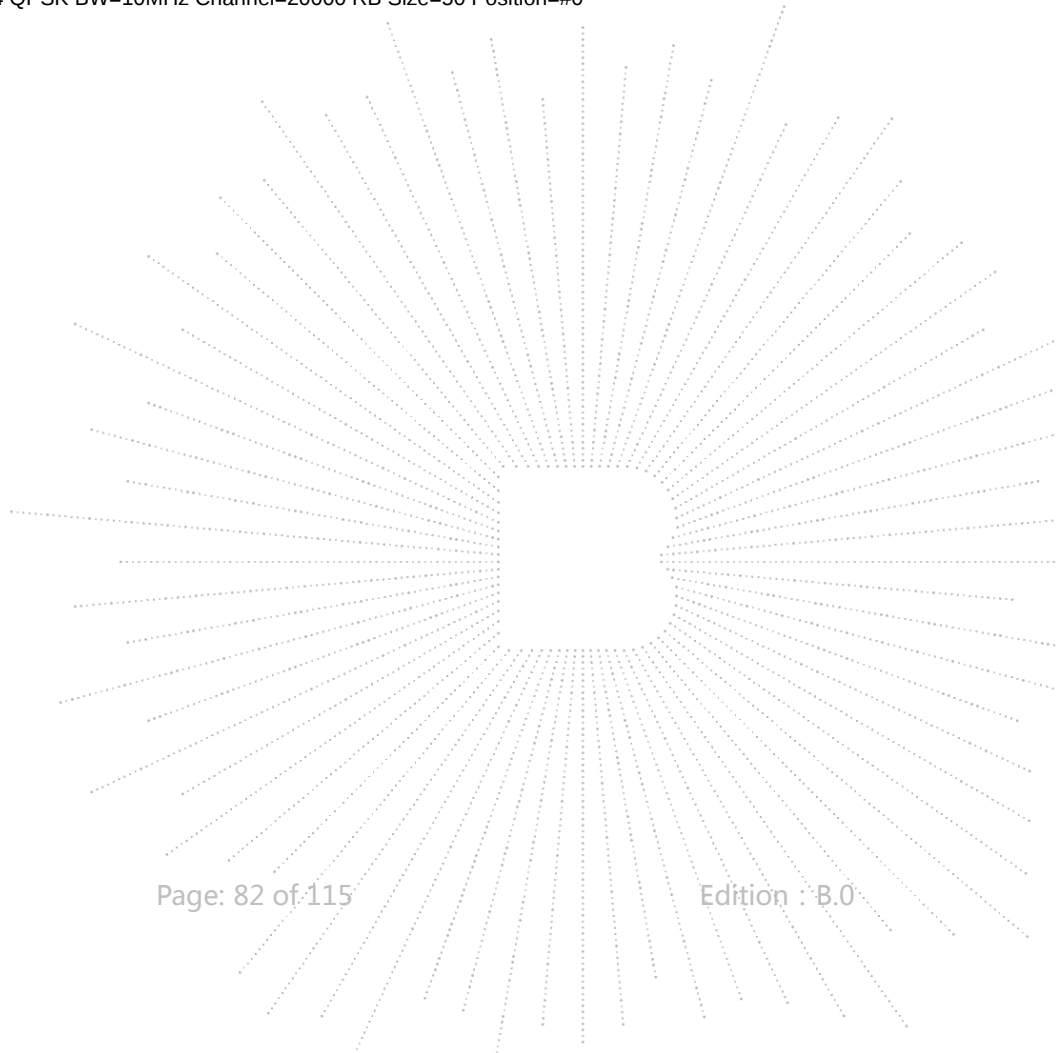
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

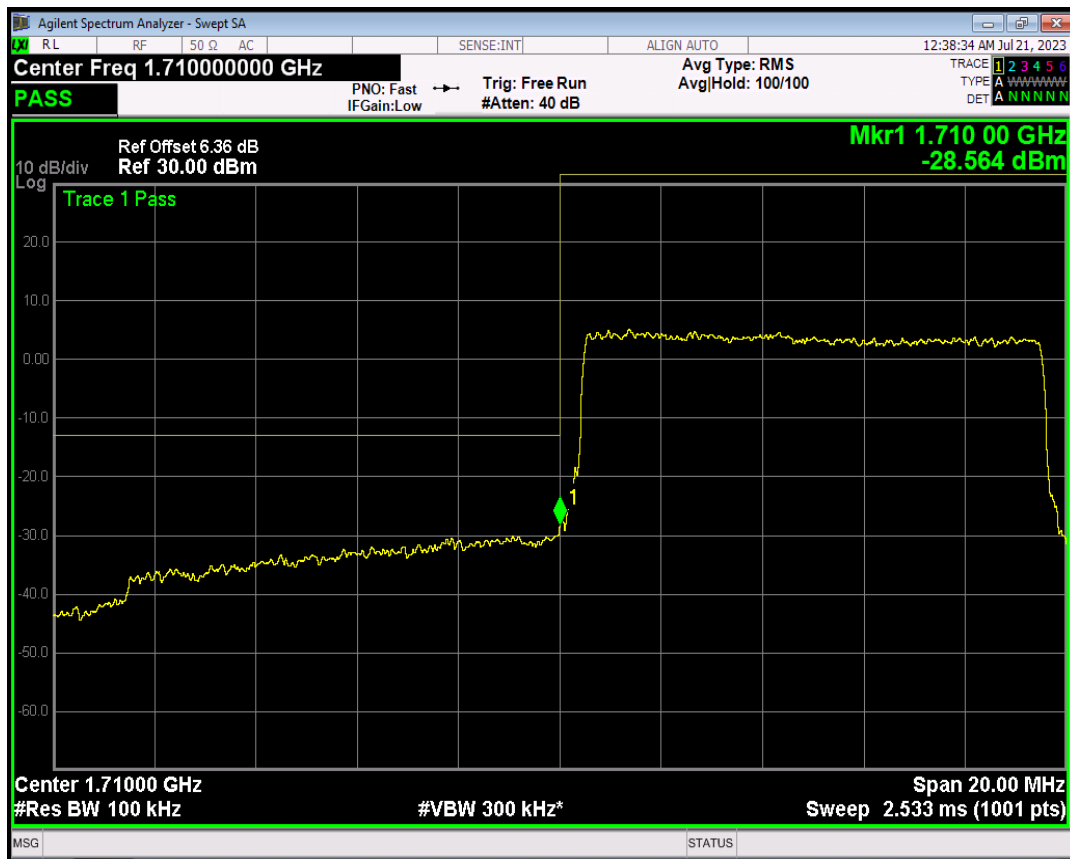


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

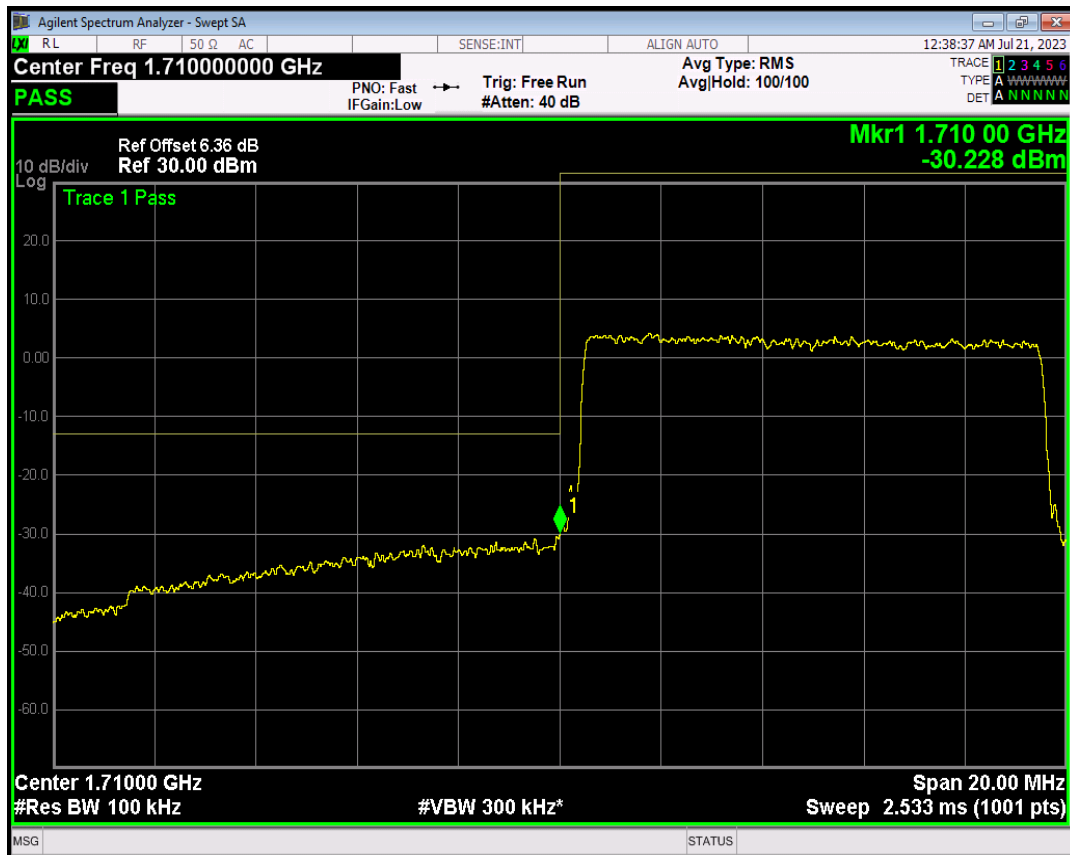


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0





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

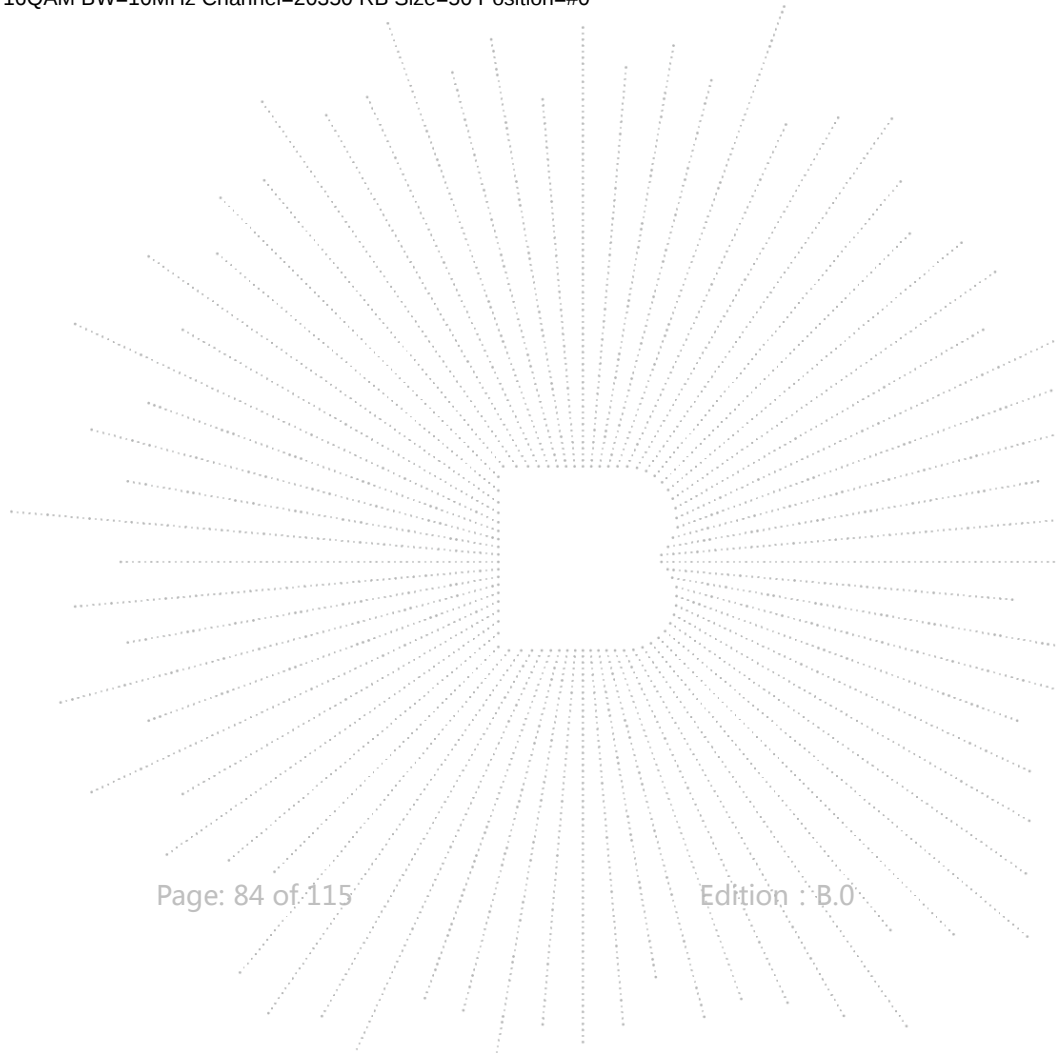




Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

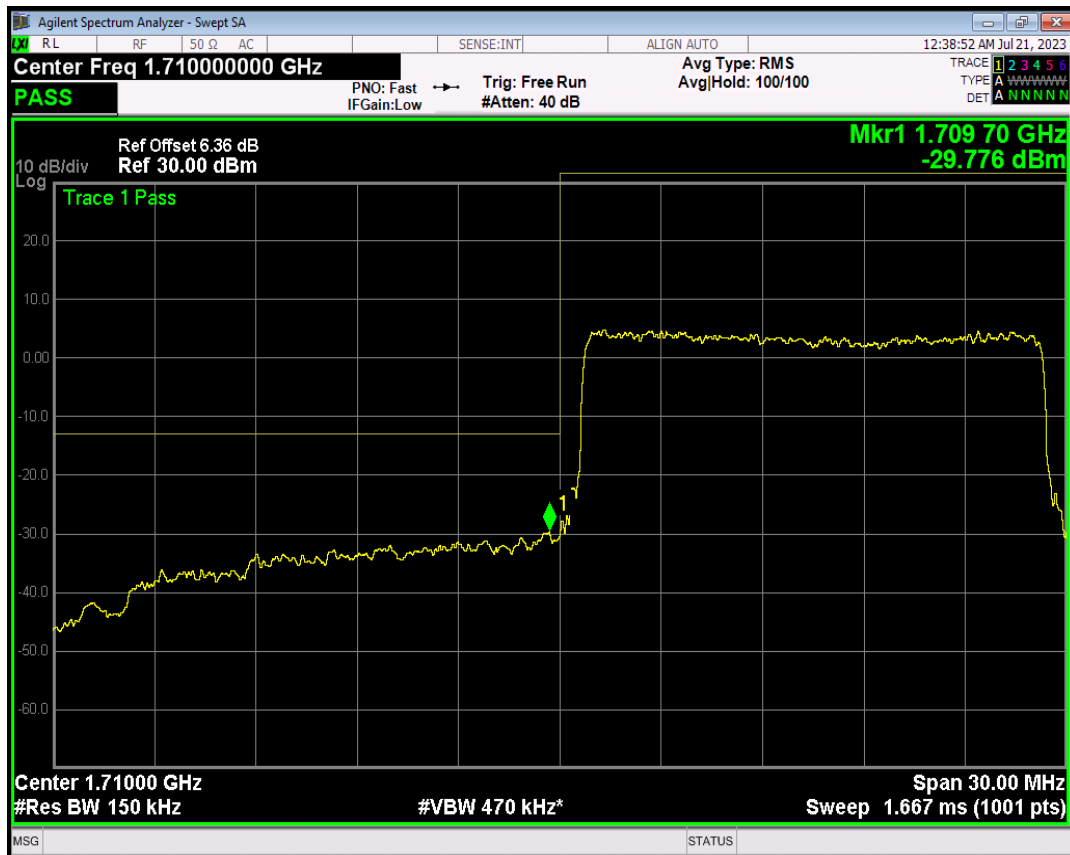


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

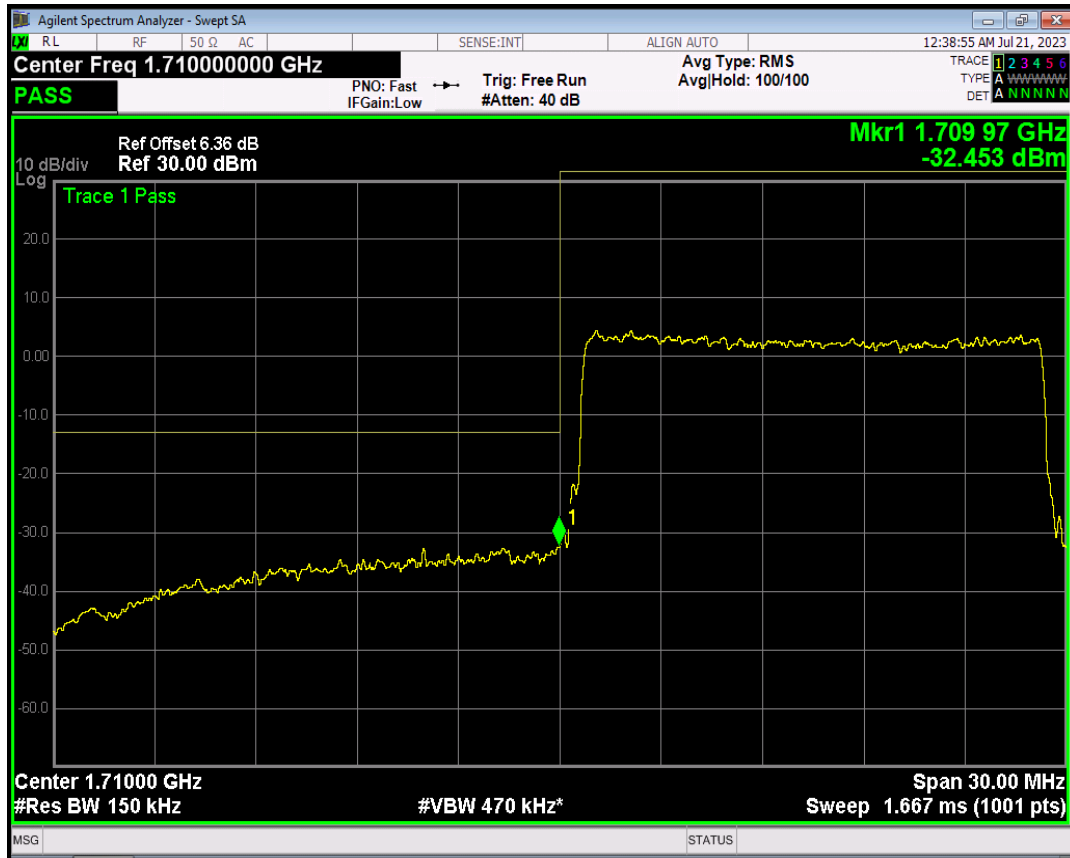




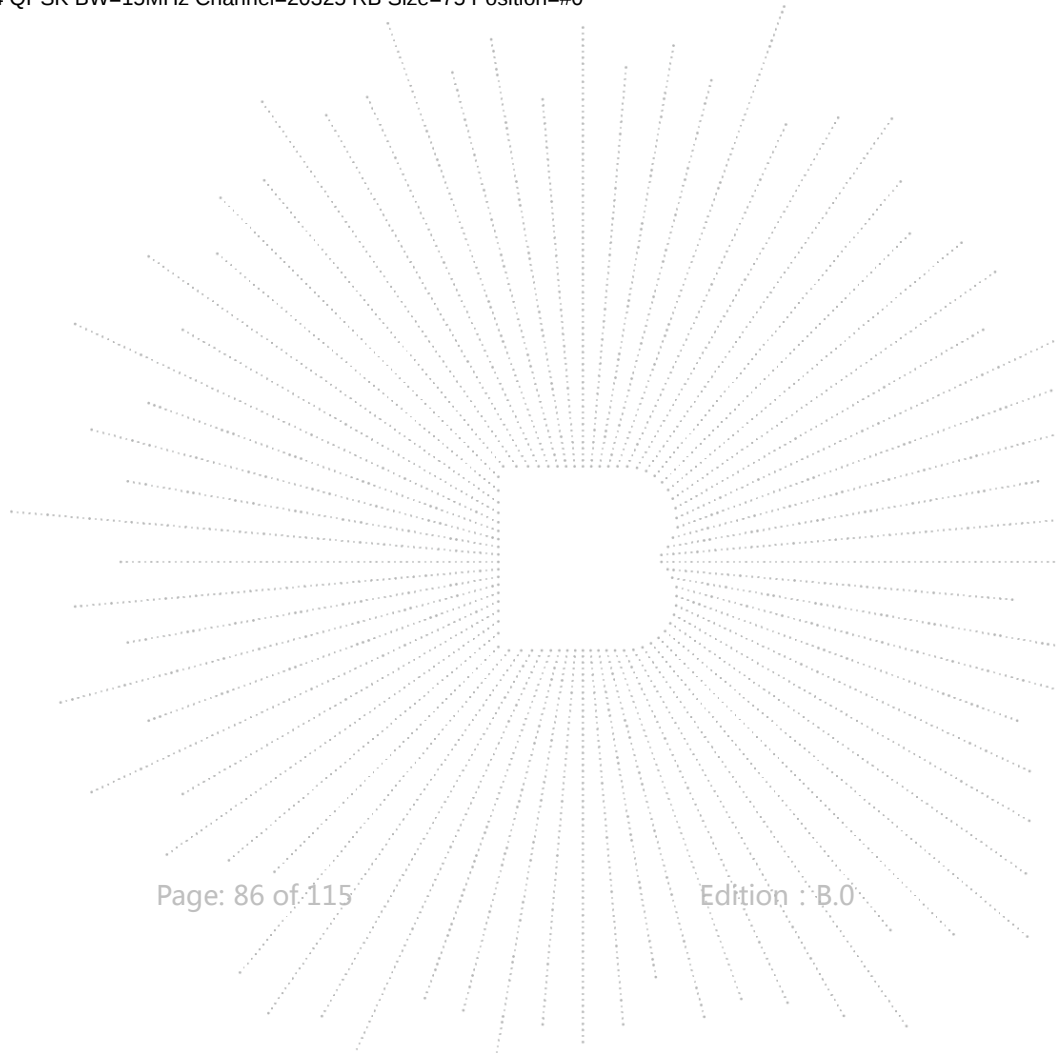
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

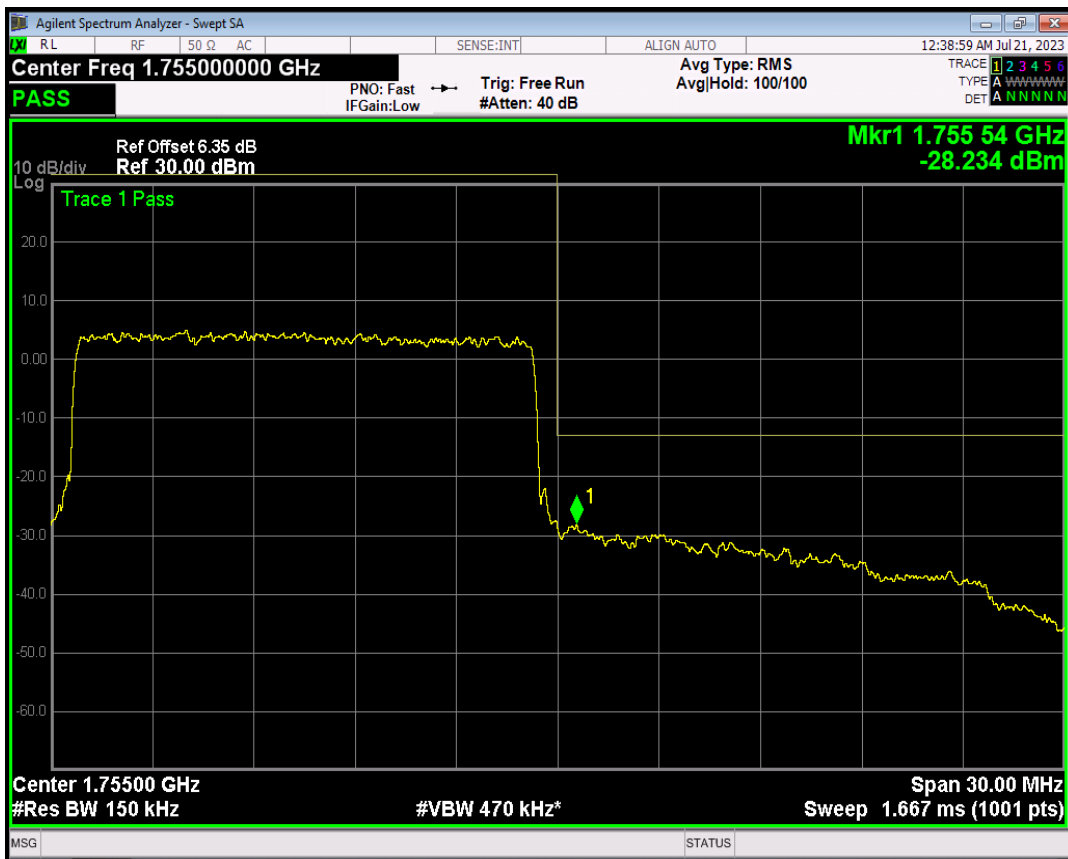


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0

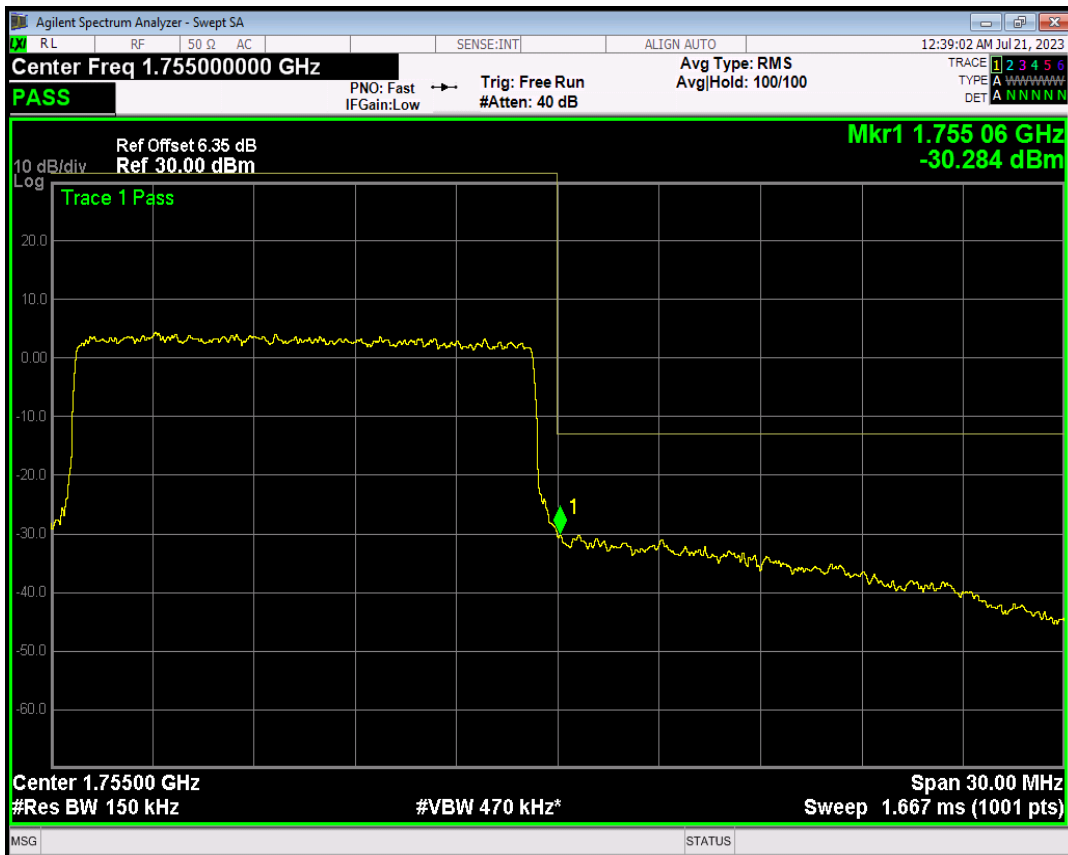


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



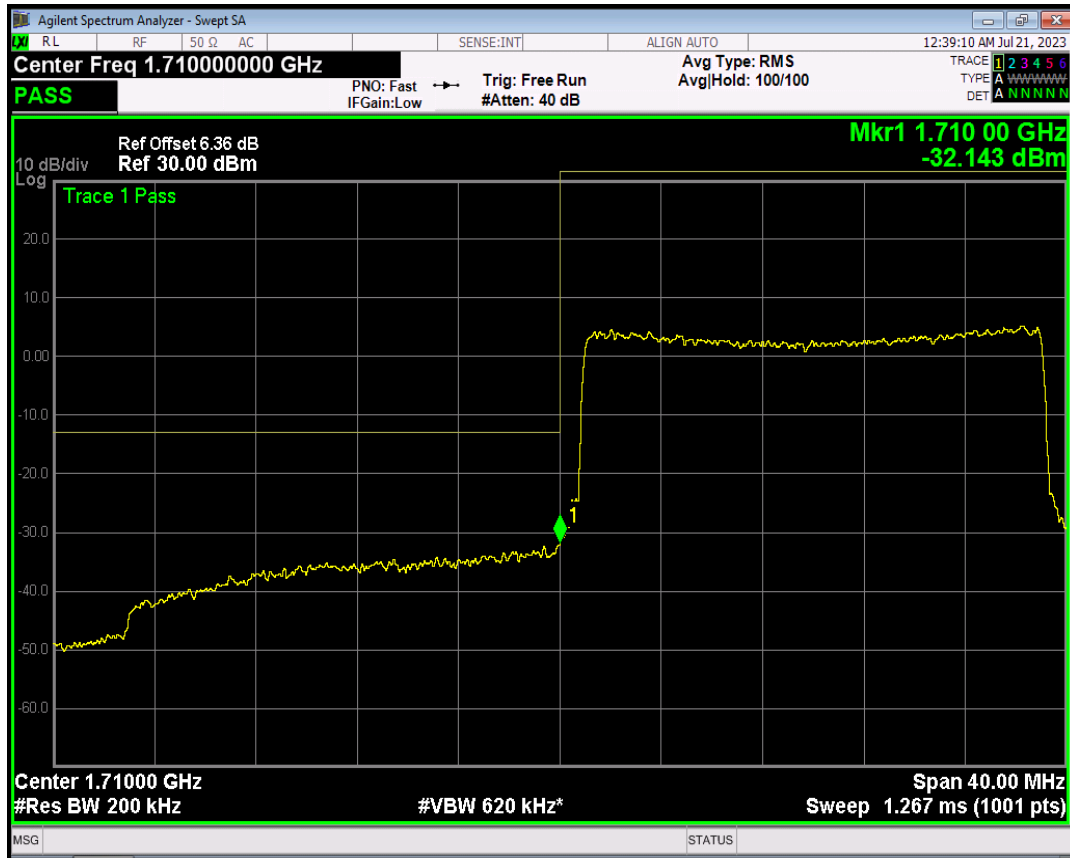


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

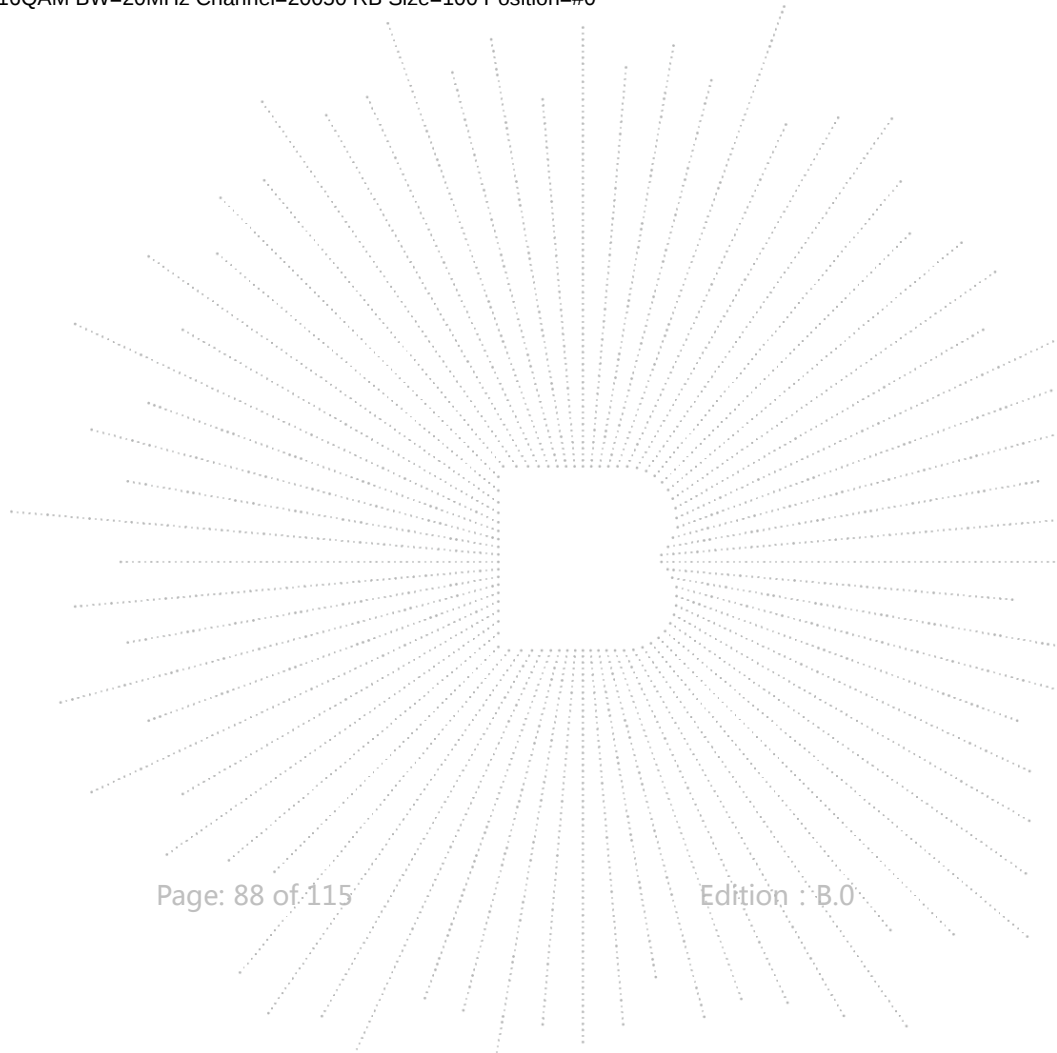


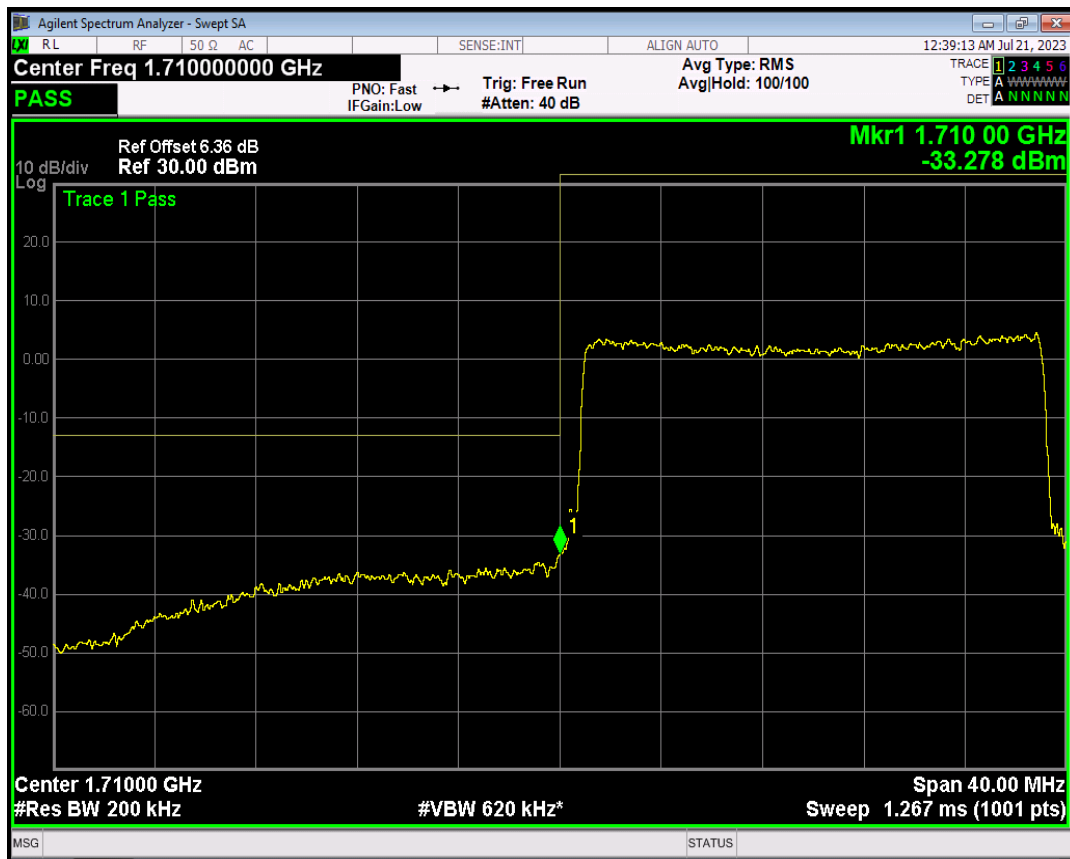


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

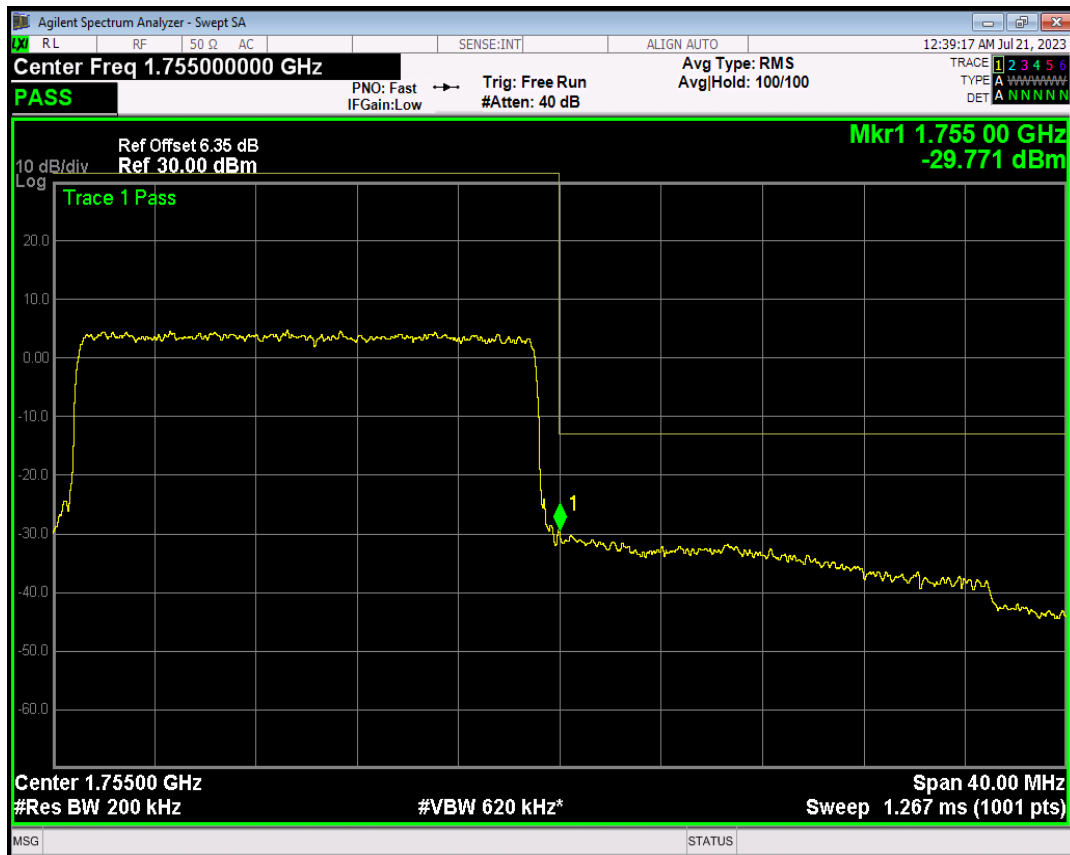


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

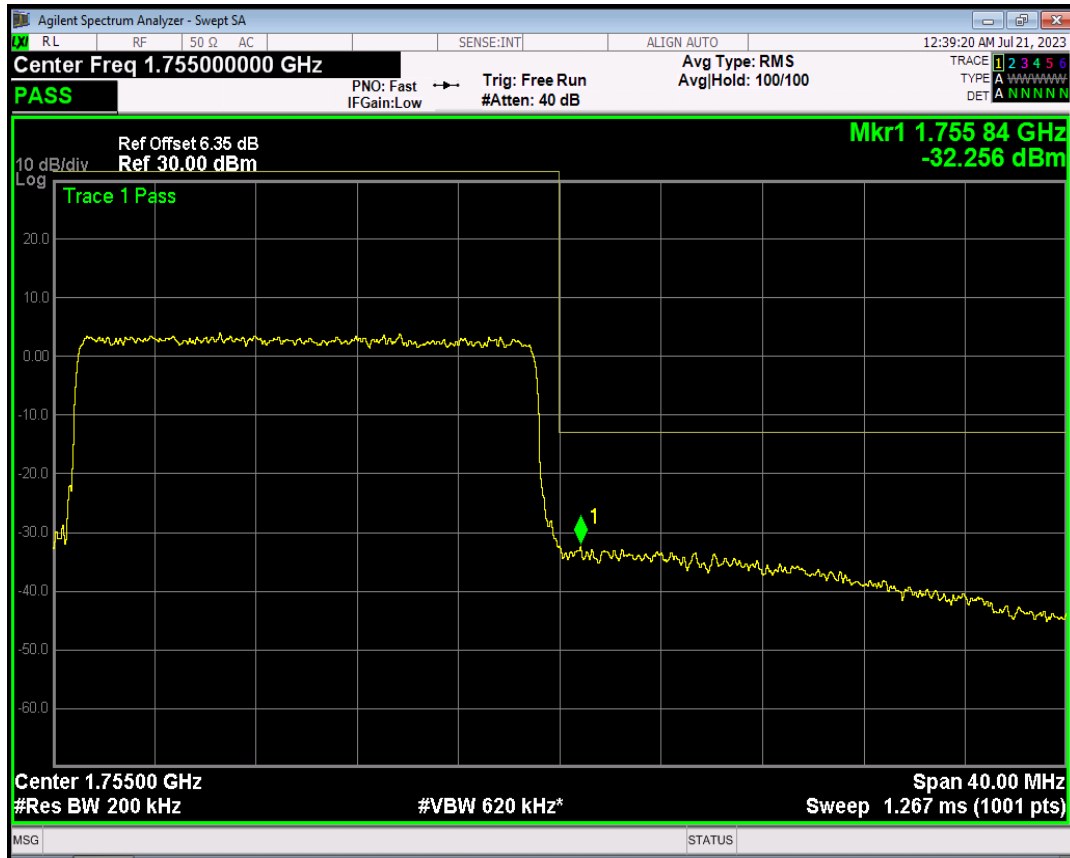




Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



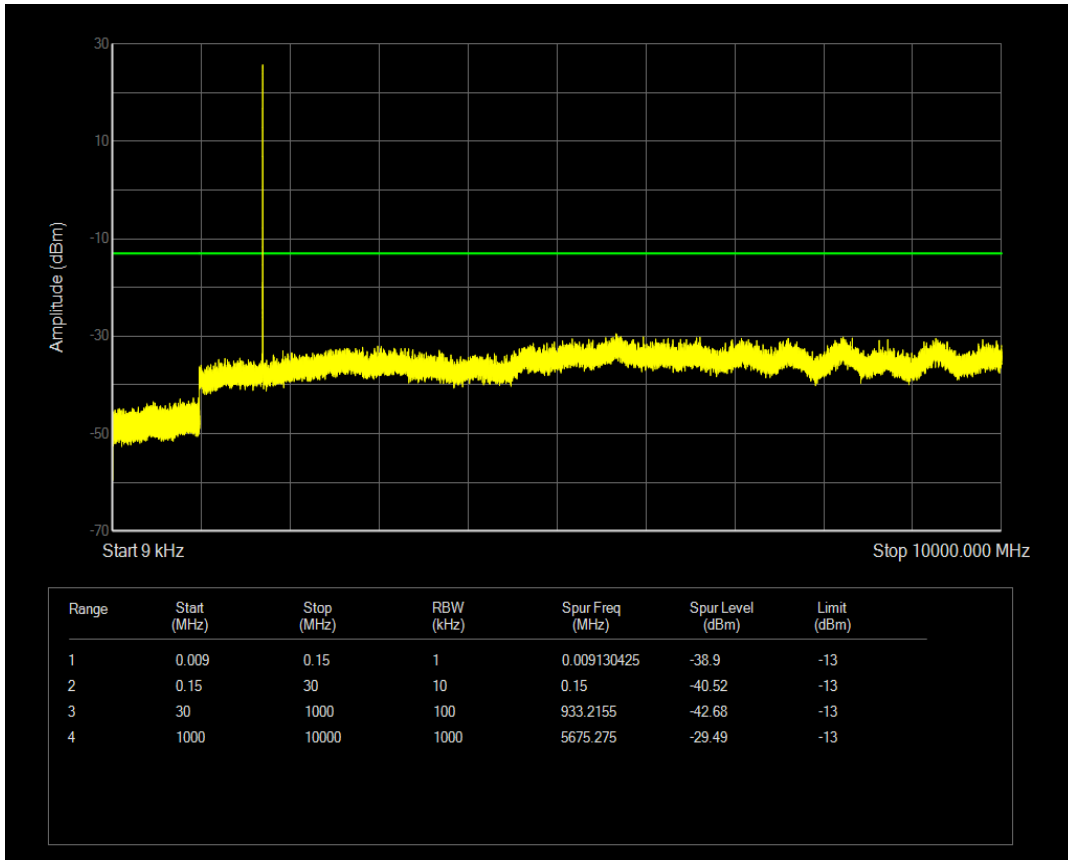
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



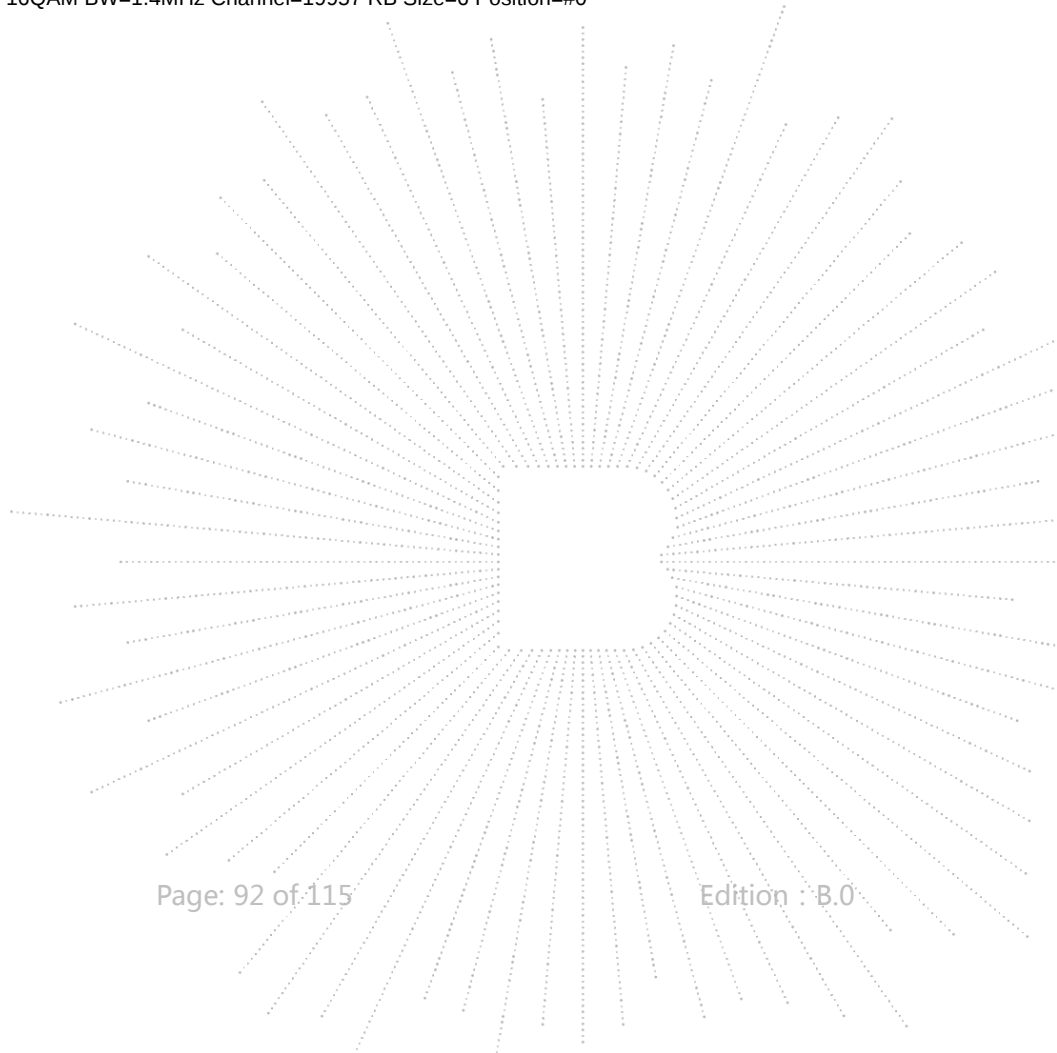
Appendix 6. Out-of-band emissions

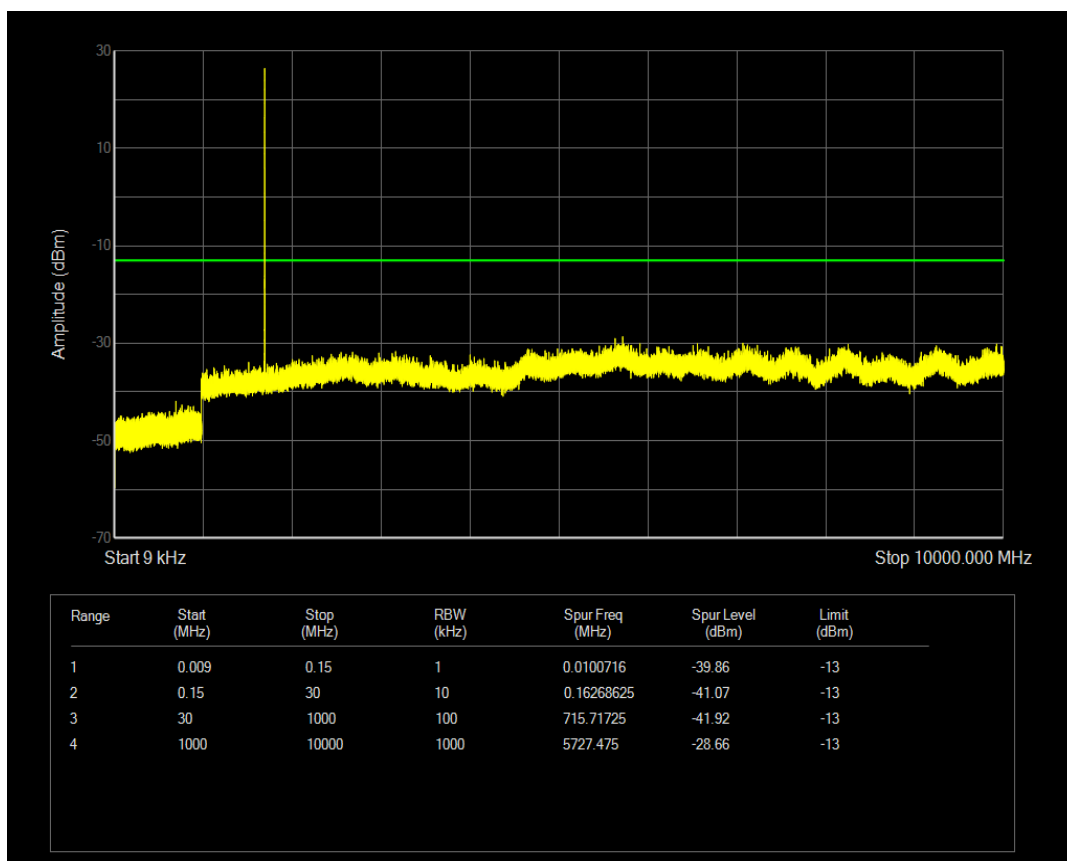
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	5675.28	-29.49	-13	PASS
Band4	1.4	19957	6	#0	16QAM	5727.48	-28.66	-13	PASS
Band4	1.4	20175	6	#0	QPSK	5657.28	-29.27	-13	PASS
Band4	1.4	20175	6	#0	16QAM	5698.00	-29.74	-13	PASS
Band4	1.4	20393	6	#0	QPSK	6258.93	-29.28	-13	PASS
Band4	1.4	20393	6	#0	16QAM	5722.53	-28.88	-13	PASS
Band4	3	19965	15	#0	QPSK	5235.18	-28.74	-13	PASS
Band4	3	19965	15	#0	16QAM	7115.95	-29.50	-13	PASS
Band4	3	20175	15	#0	QPSK	5660.43	-29.15	-13	PASS
Band4	3	20175	15	#0	16QAM	5647.60	-29.17	-13	PASS
Band4	3	20385	15	#0	QPSK	5636.35	-29.35	-13	PASS
Band4	3	20385	15	#0	16QAM	5666.73	-28.99	-13	PASS
Band4	5	19975	25	#0	QPSK	5701.83	-29.12	-13	PASS
Band4	5	19975	25	#0	16QAM	5663.13	-29.20	-13	PASS
Band4	5	20175	25	#0	QPSK	5680.68	-28.43	-13	PASS
Band4	5	20175	25	#0	16QAM	7581.93	-29.06	-13	PASS
Band4	5	20375	25	#0	QPSK	5684.50	-29.28	-13	PASS
Band4	5	20375	25	#0	16QAM	5683.38	-28.95	-13	PASS
Band4	10	20000	50	#0	QPSK	5663.80	-29.14	-13	PASS
Band4	10	20000	50	#0	16QAM	5777.20	-28.49	-13	PASS
Band4	10	20175	50	#0	QPSK	8202.03	-29.22	-13	PASS
Band4	10	20175	50	#0	16QAM	5649.63	-28.90	-13	PASS
Band4	10	20350	50	#0	QPSK	7042.38	-29.32	-13	PASS
Band4	10	20350	50	#0	16QAM	5590.23	-29.01	-13	PASS
Band4	15	20025	75	#0	QPSK	5690.35	-29.46	-13	PASS
Band4	15	20025	75	#0	16QAM	5701.15	-29.60	-13	PASS
Band4	15	20175	75	#0	QPSK	5640.63	-28.77	-13	PASS
Band4	15	20175	75	#0	16QAM	5746.38	-29.01	-13	PASS
Band4	15	20325	75	#0	QPSK	5635.00	-29.80	-13	PASS
Band4	15	20325	75	#0	16QAM	8202.93	-29.65	-13	PASS
Band4	20	20050	100	#0	QPSK	5608.23	-28.54	-13	PASS
Band4	20	20050	100	#0	16QAM	5692.15	-29.23	-13	PASS
Band4	20	20175	100	#0	QPSK	5662.45	-29.24	-13	PASS
Band4	20	20175	100	#0	16QAM	5664.25	-29.03	-13	PASS
Band4	20	20300	100	#0	QPSK	5697.55	-29.29	-13	PASS
Band4	20	20300	100	#0	16QAM	5770.68	-29.17	-13	PASS

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

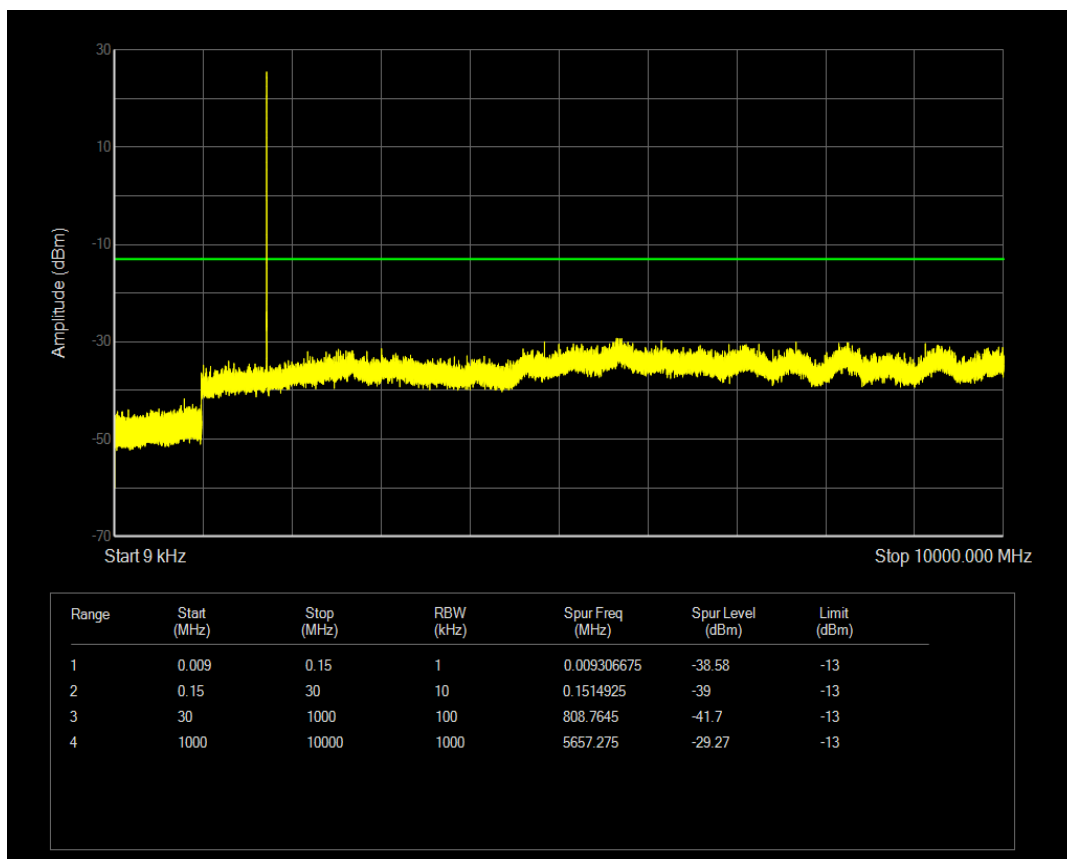


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

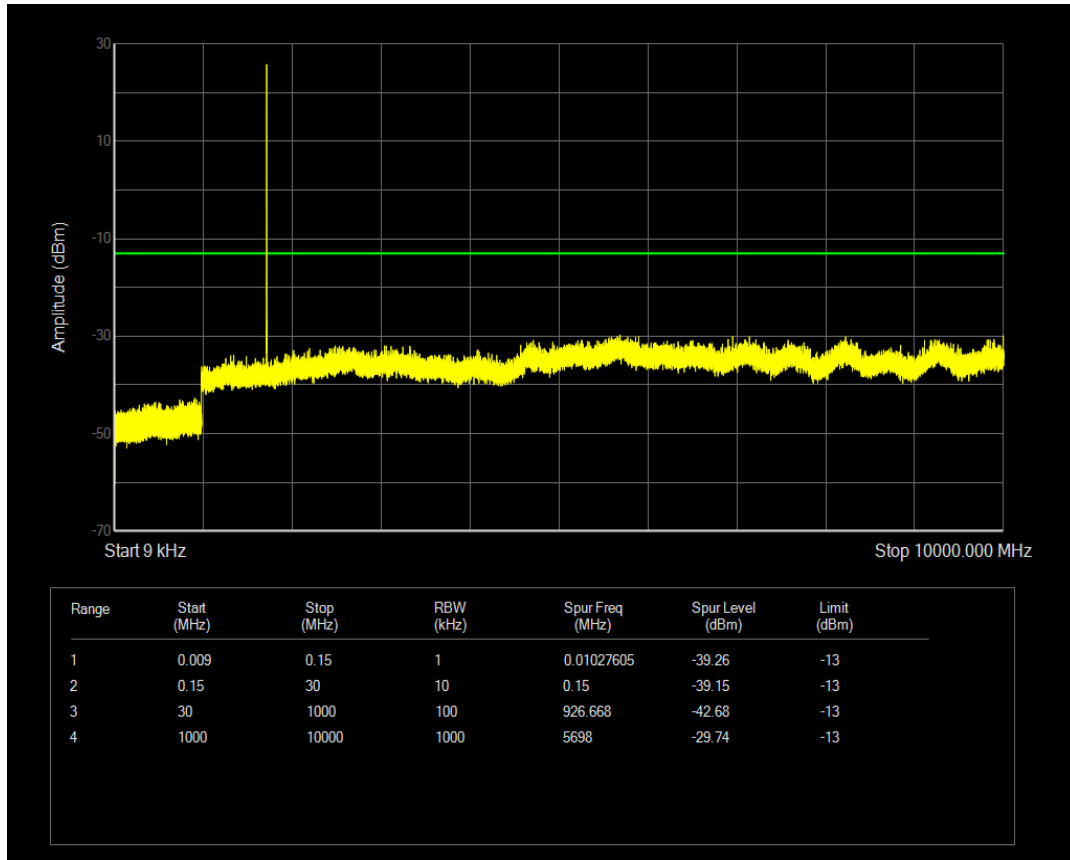




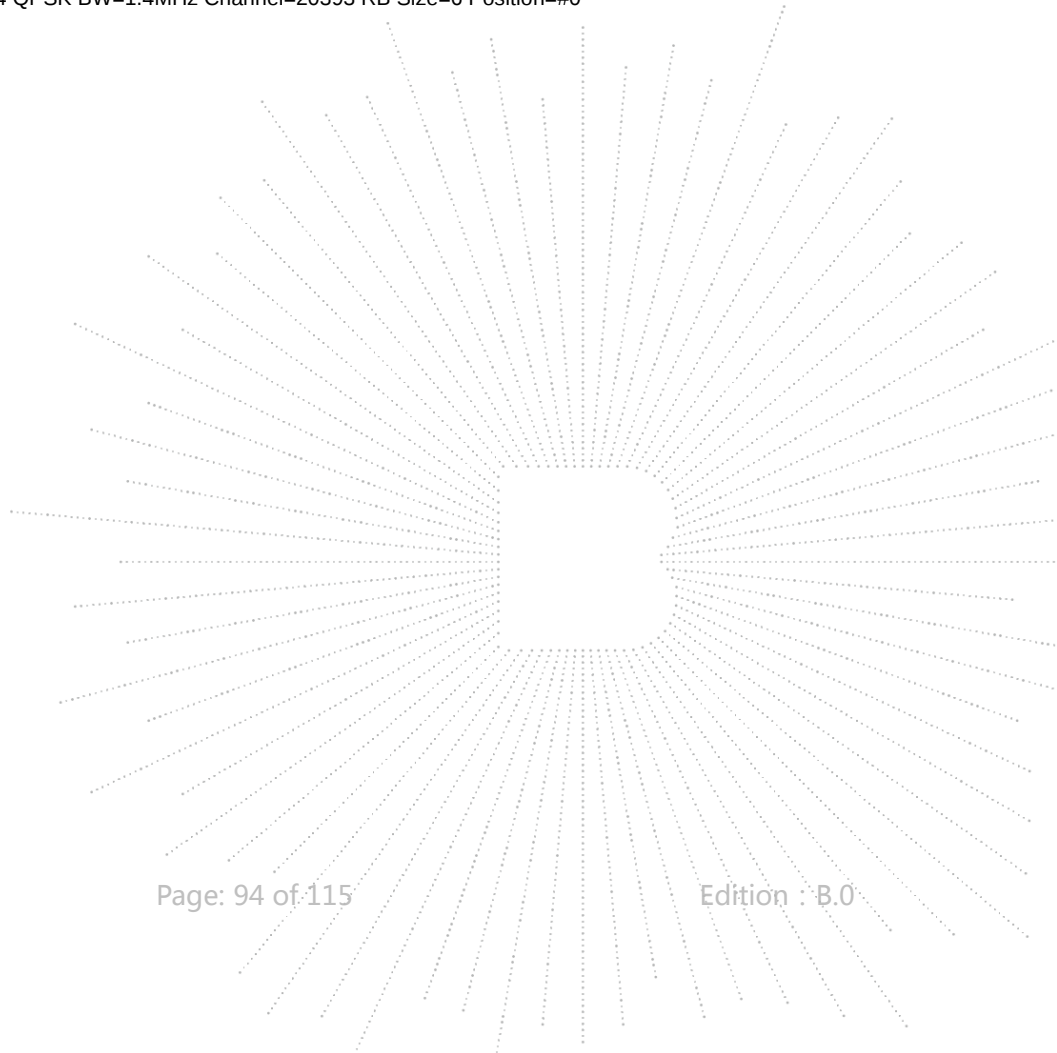
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

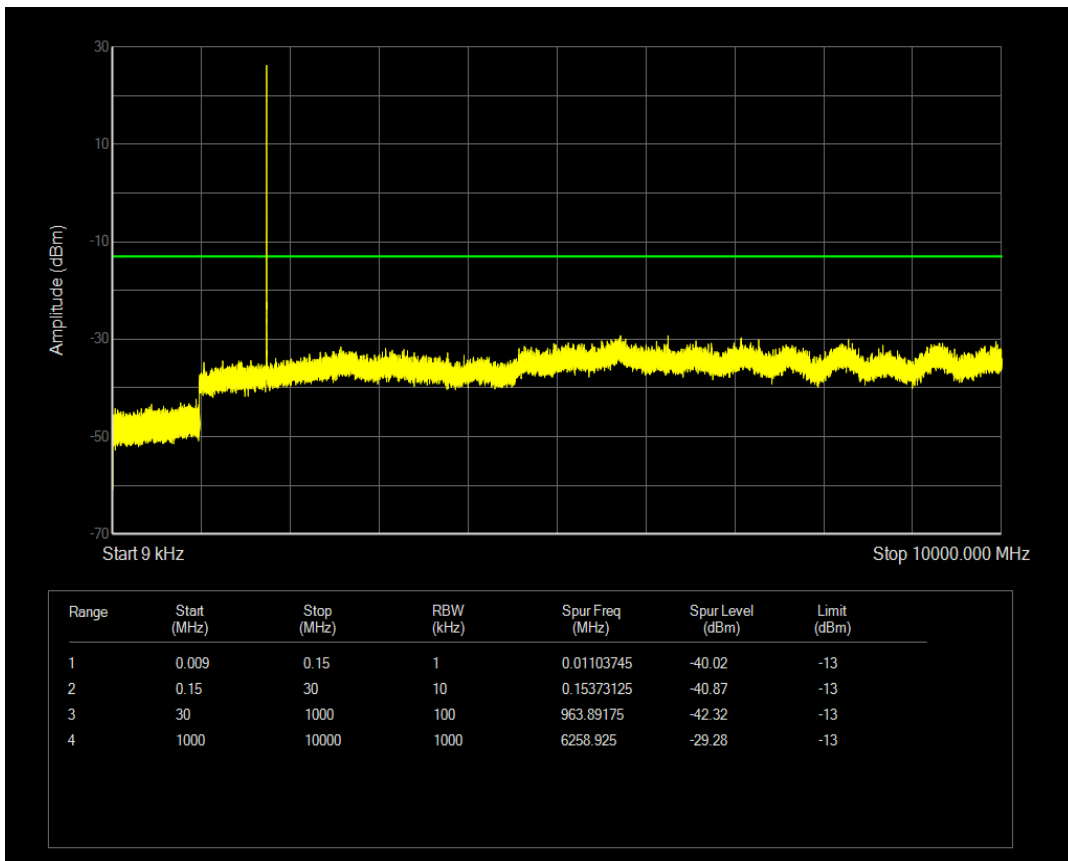


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

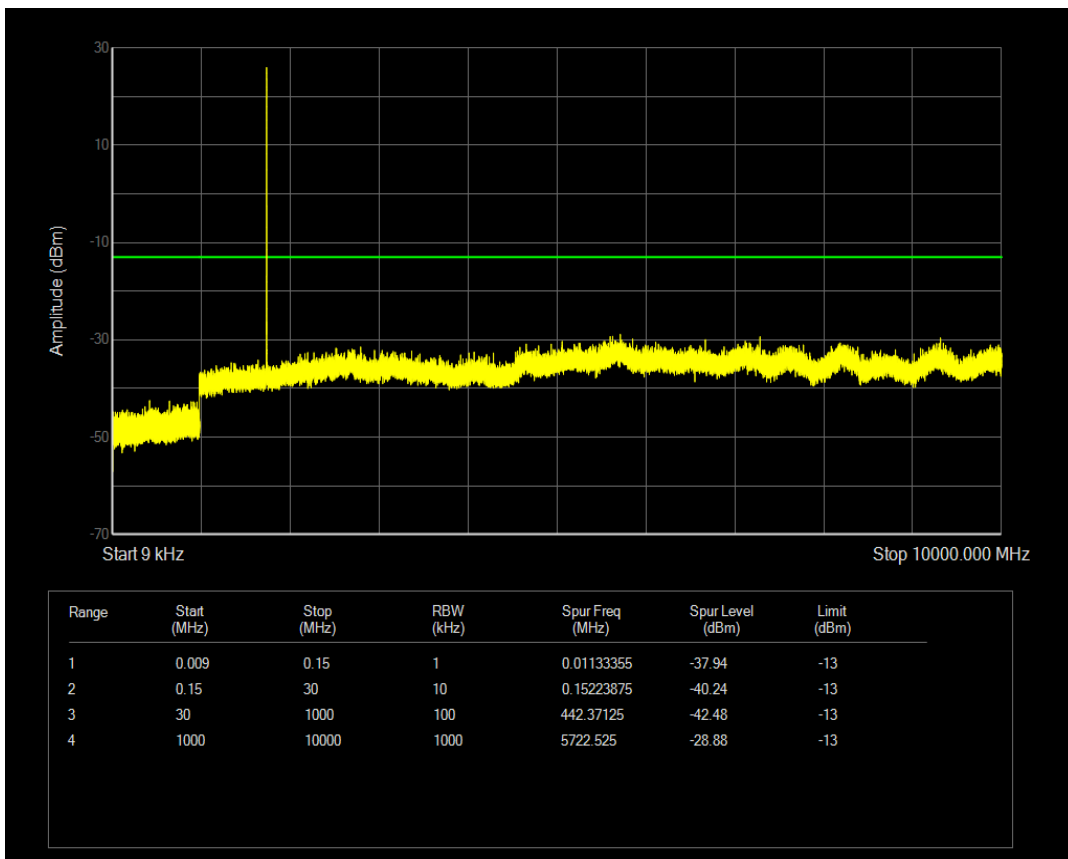


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

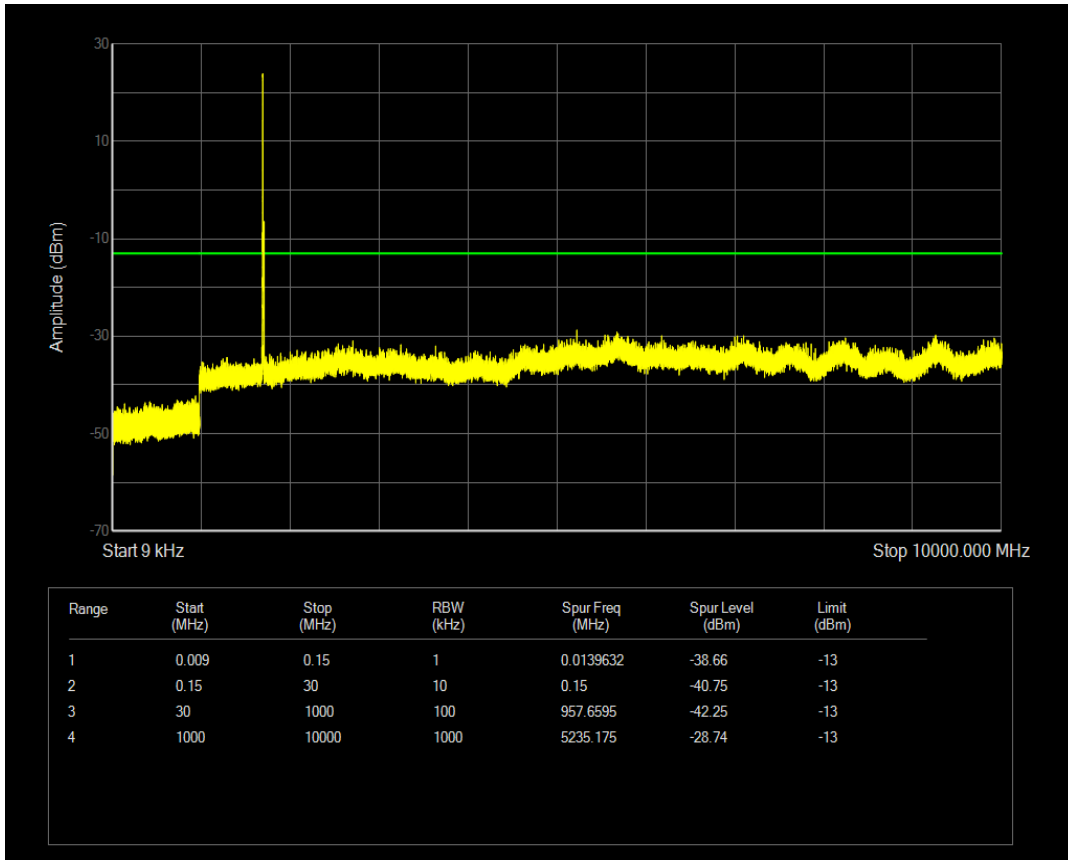




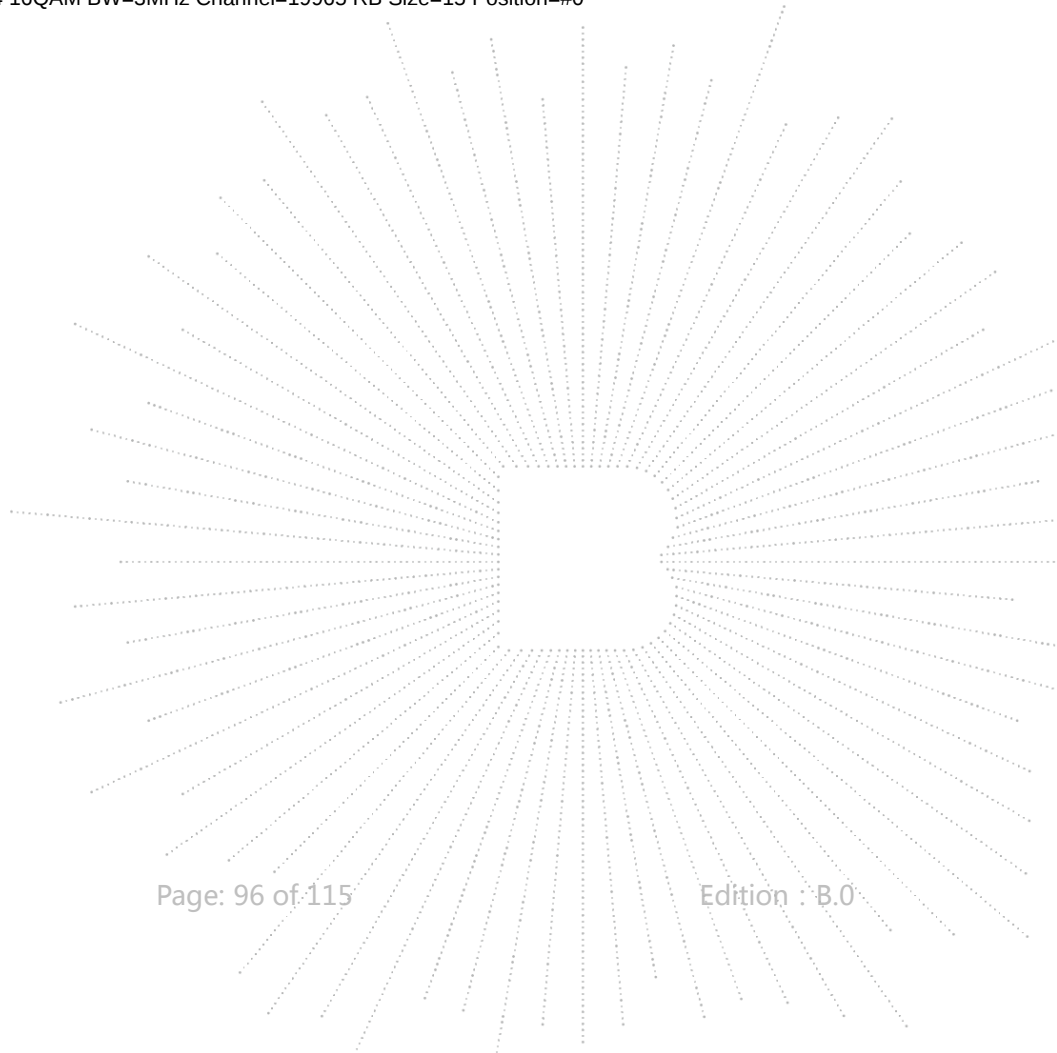
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

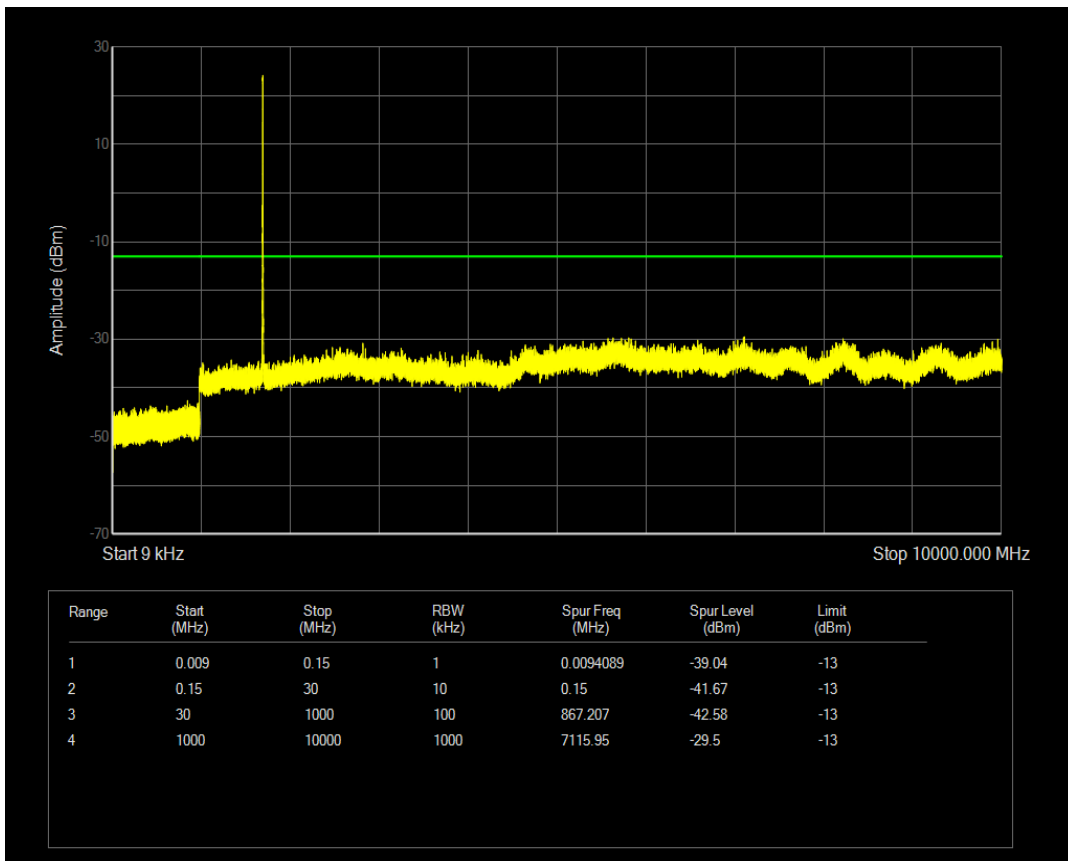


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

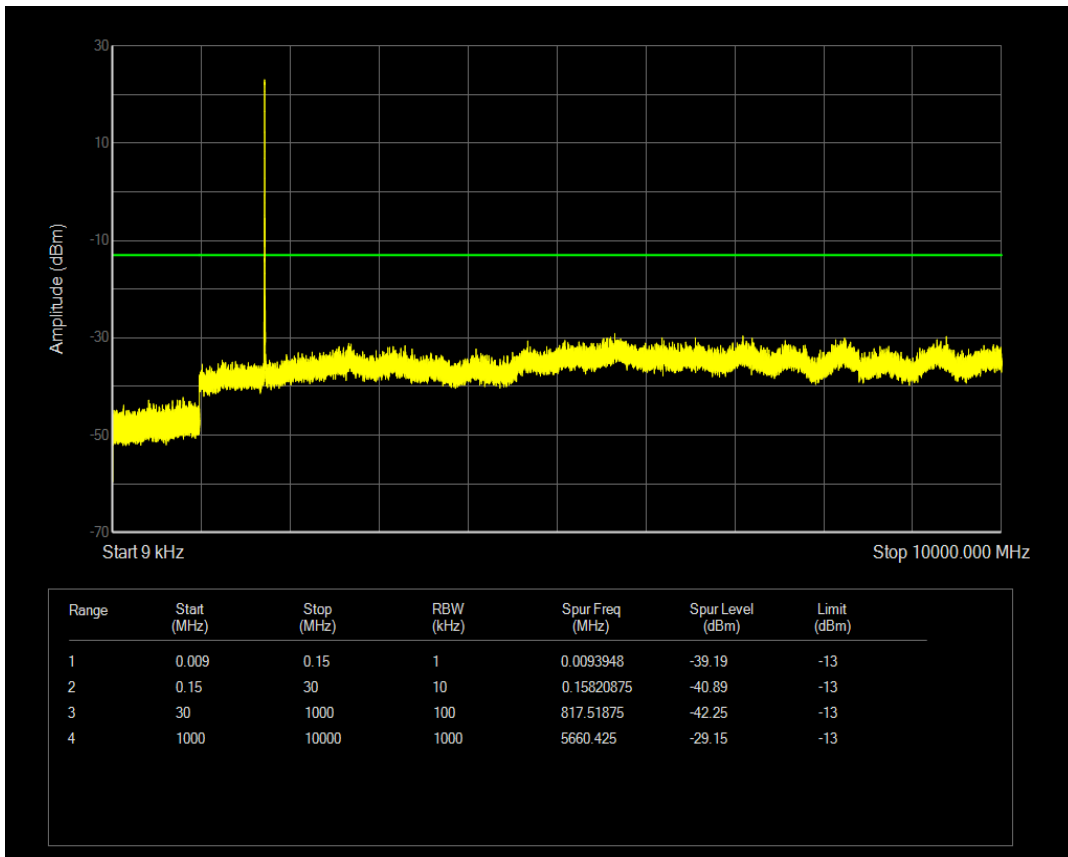


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

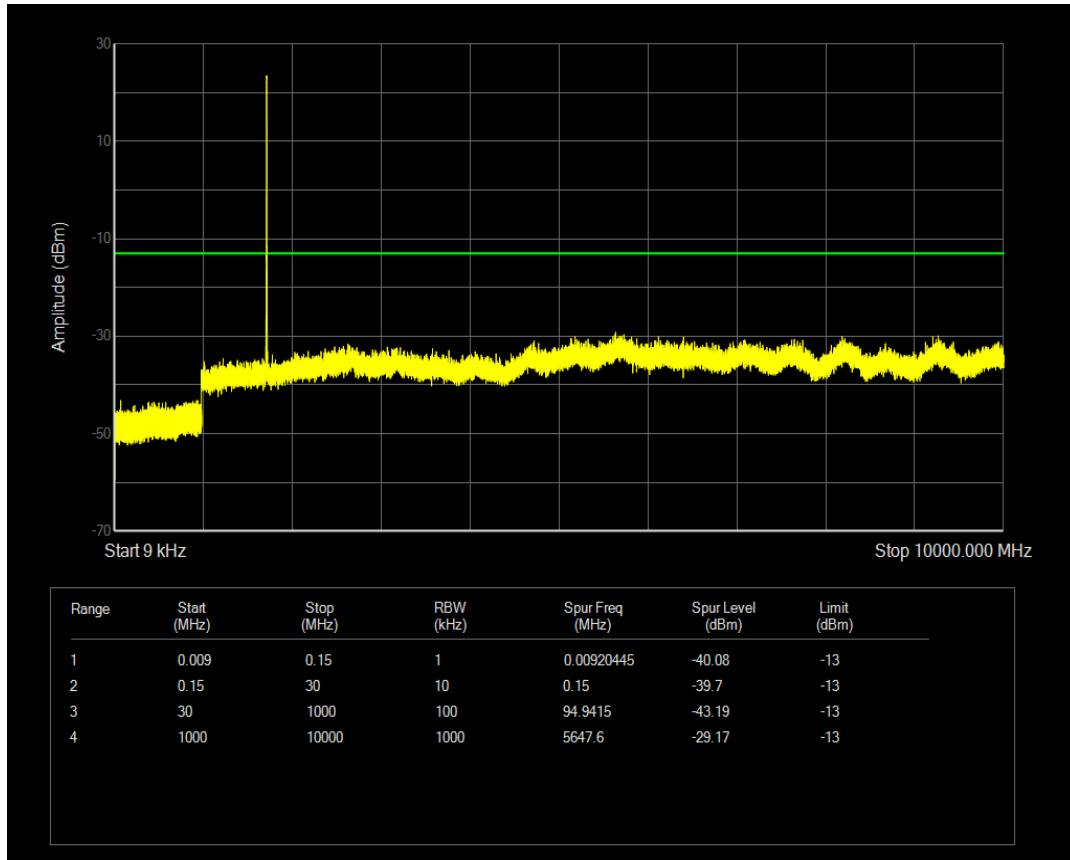




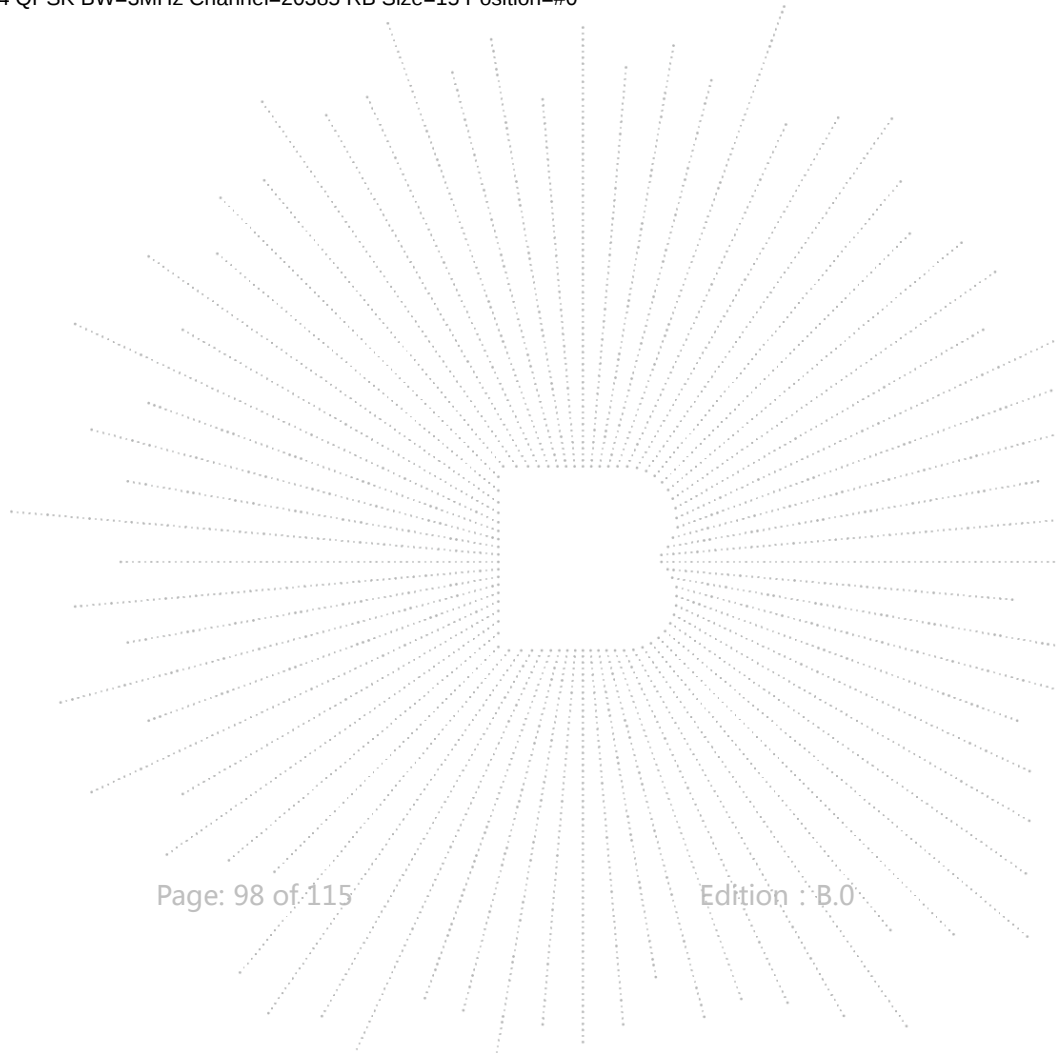
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

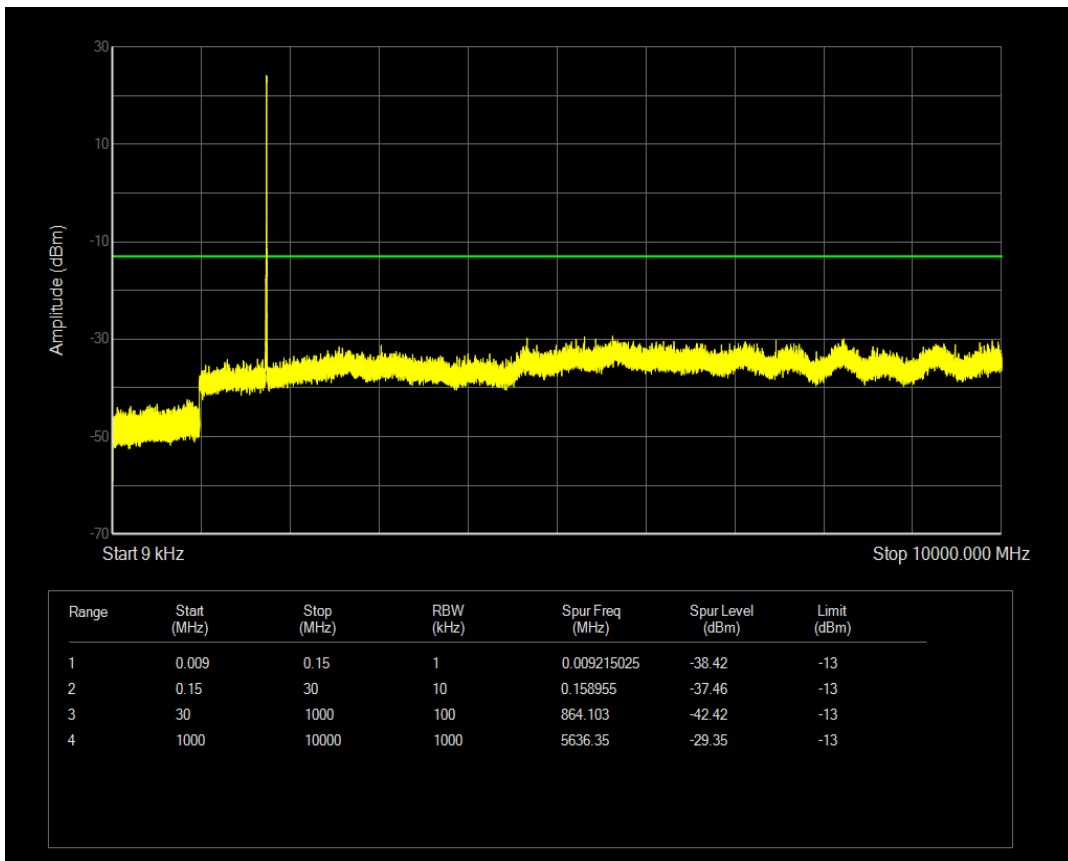


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

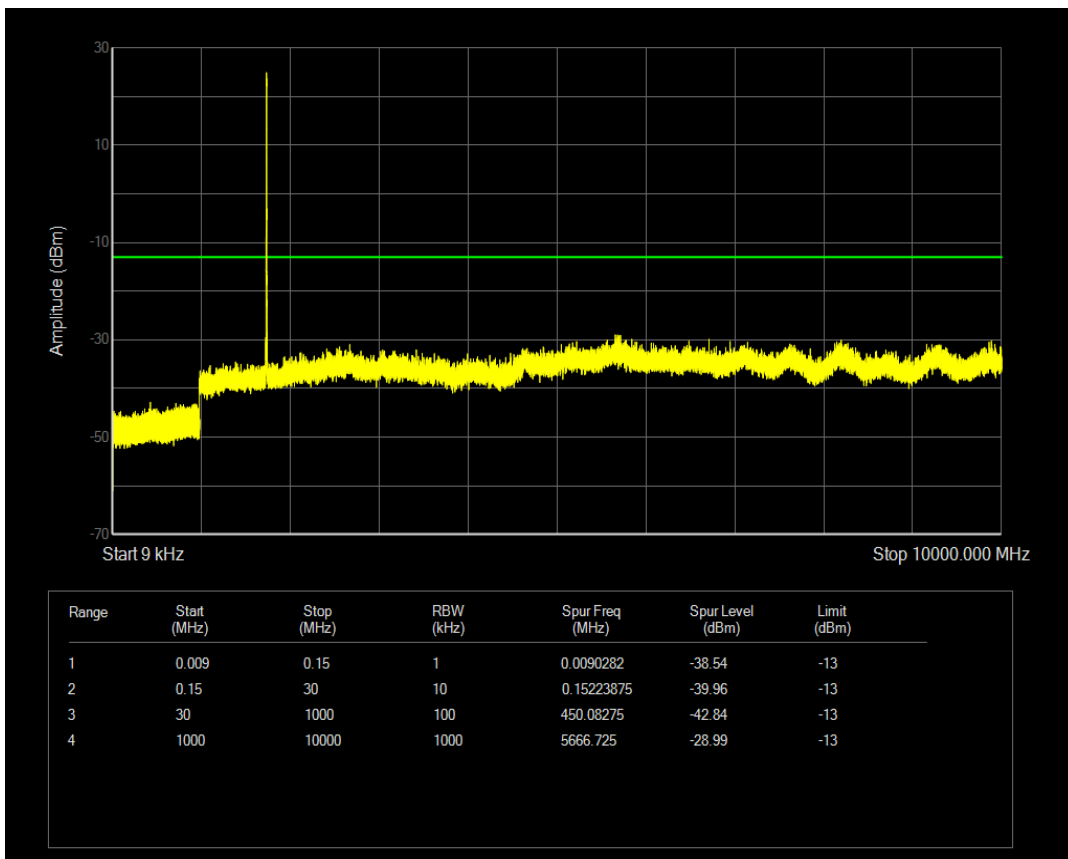


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

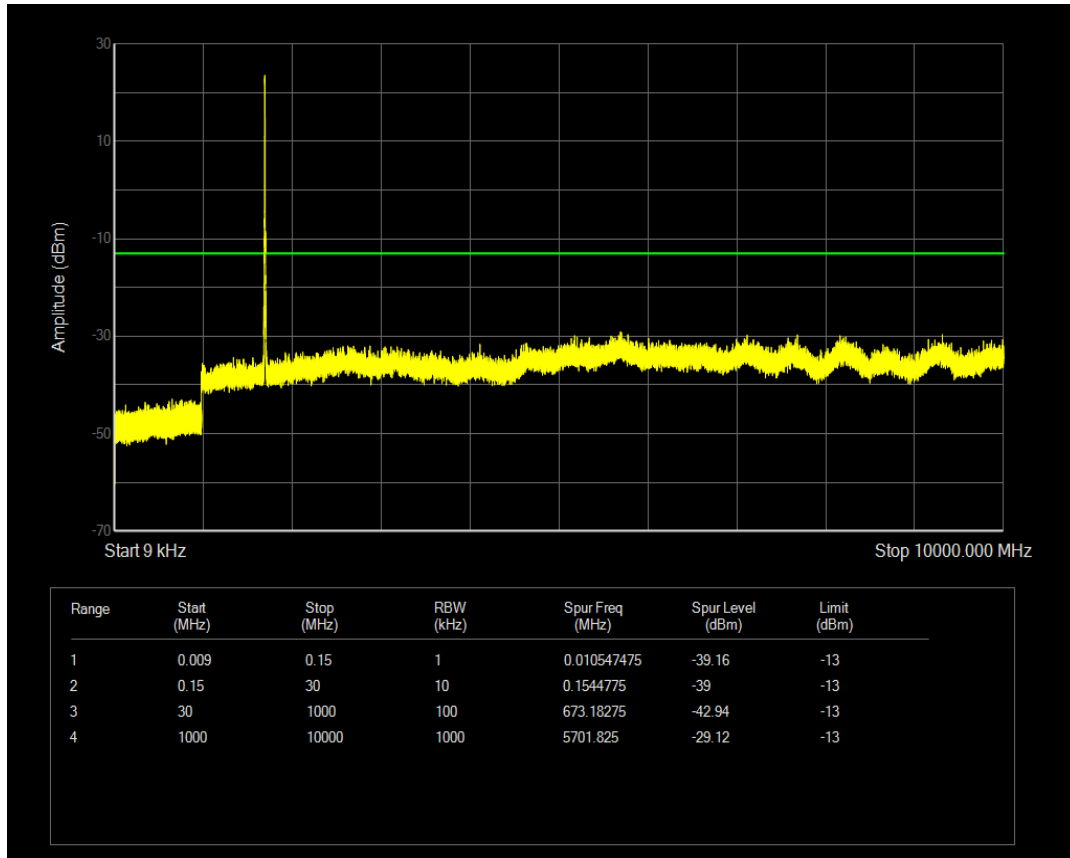




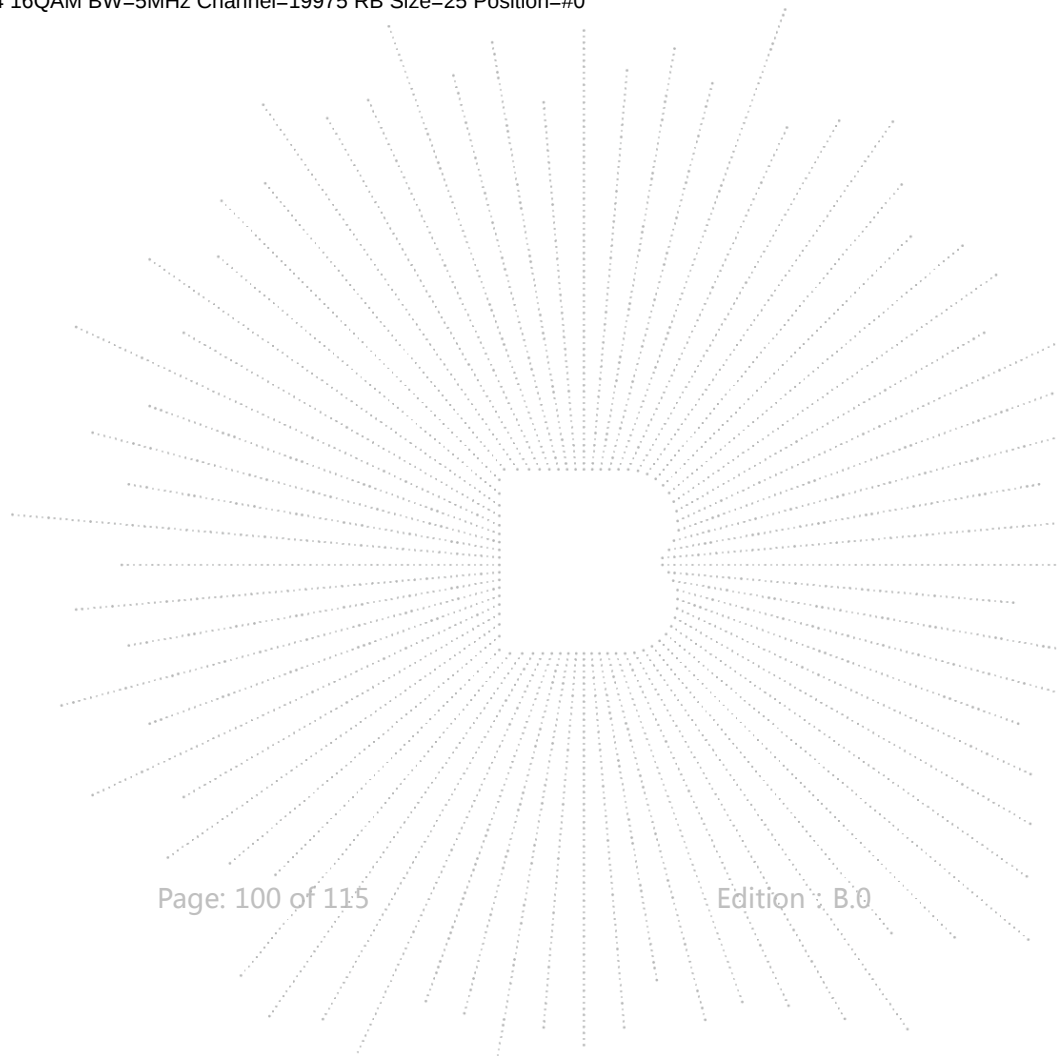
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

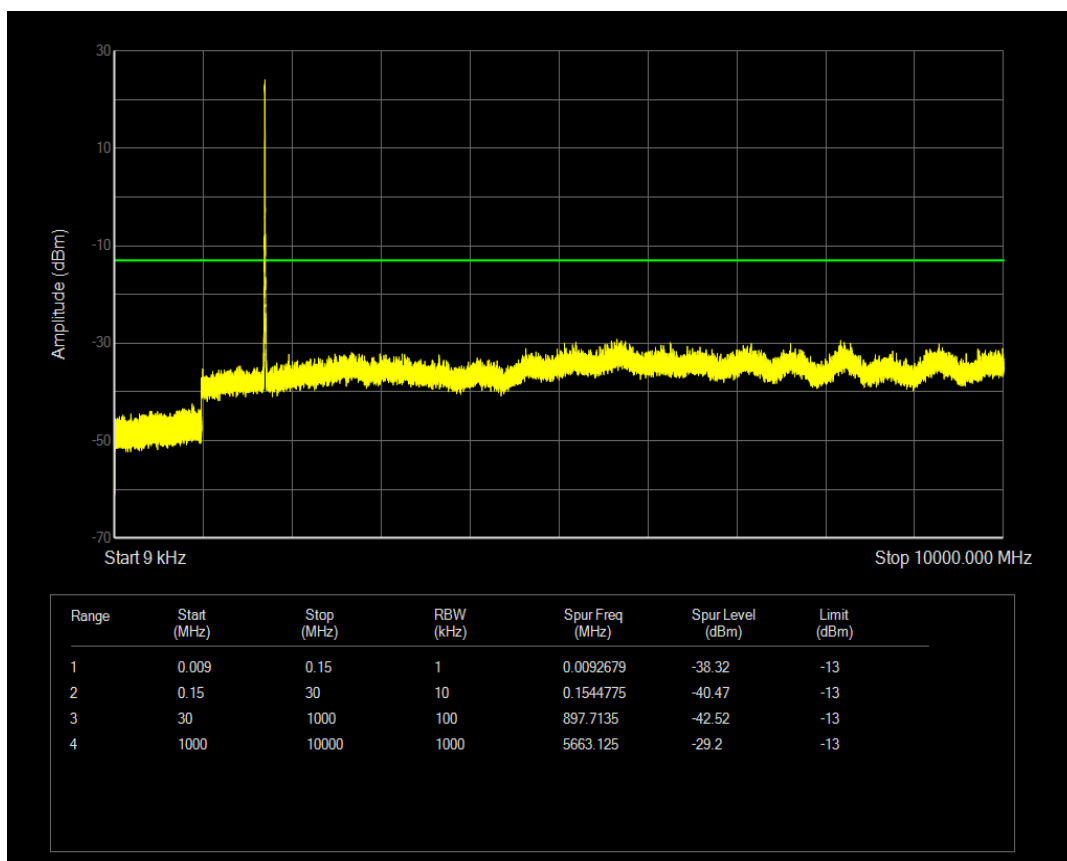


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

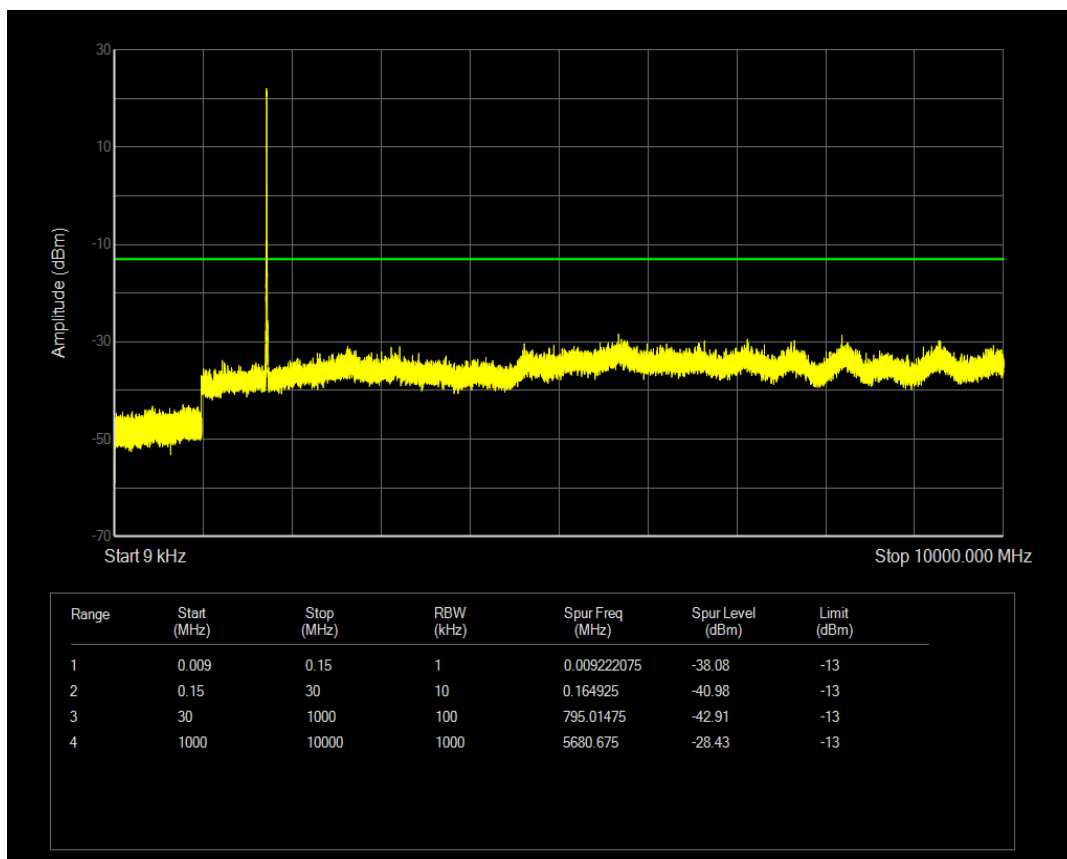


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

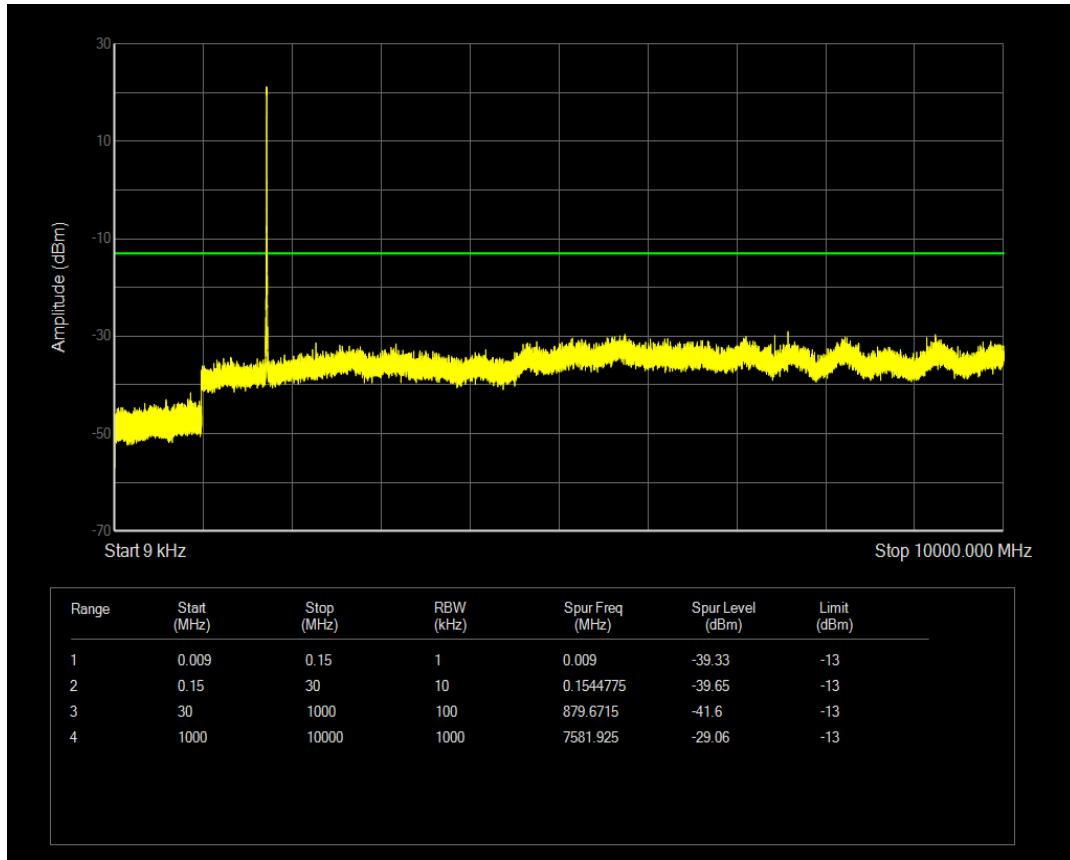




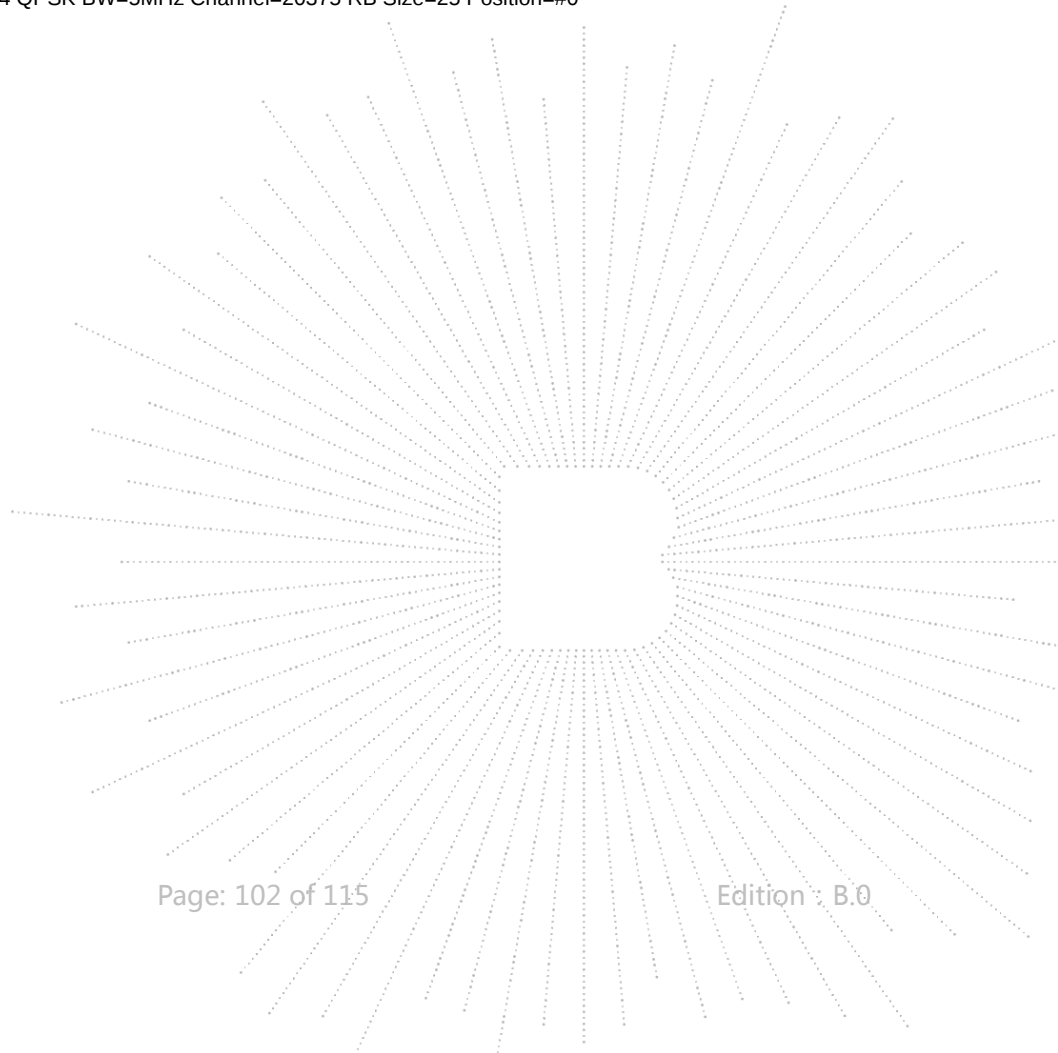
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

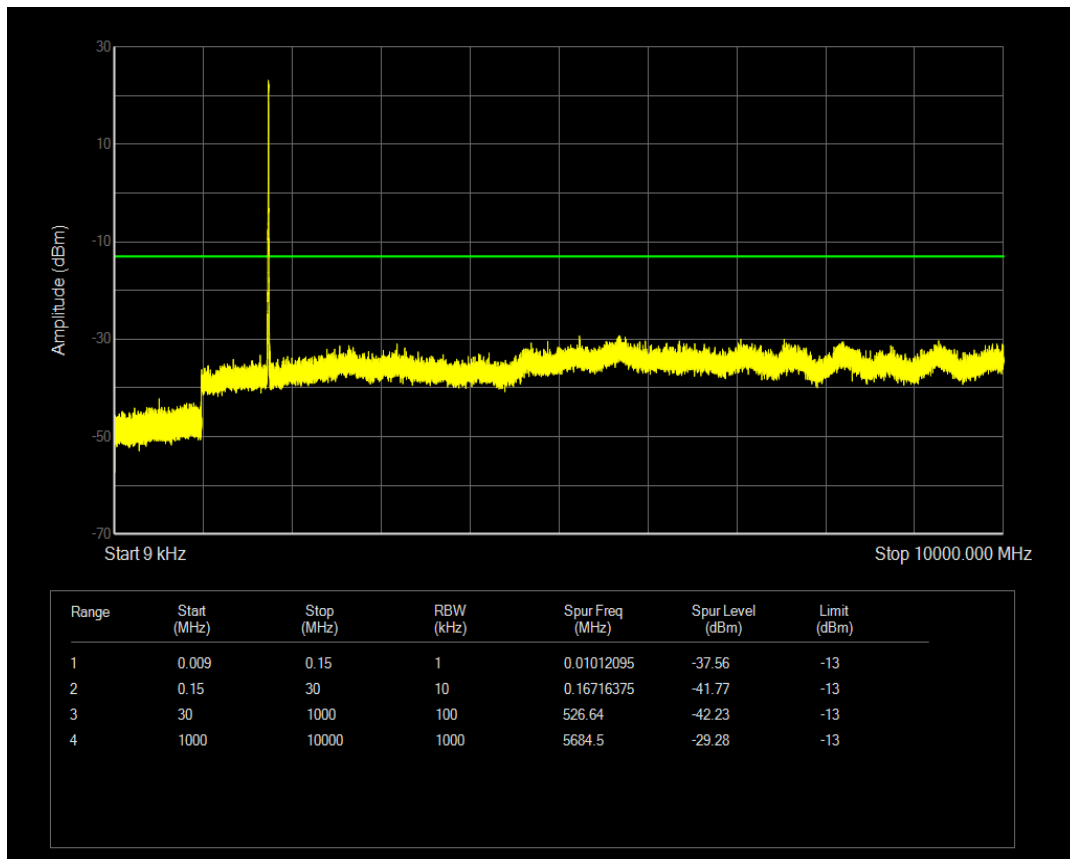


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

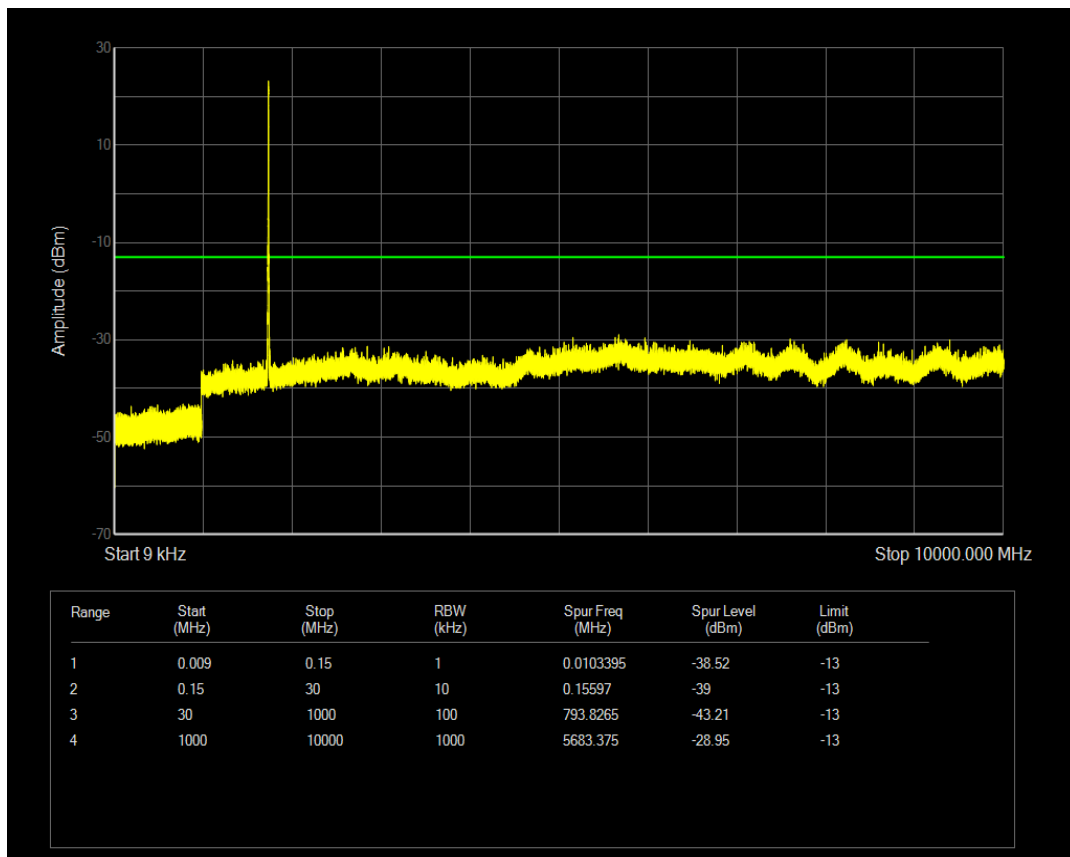


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

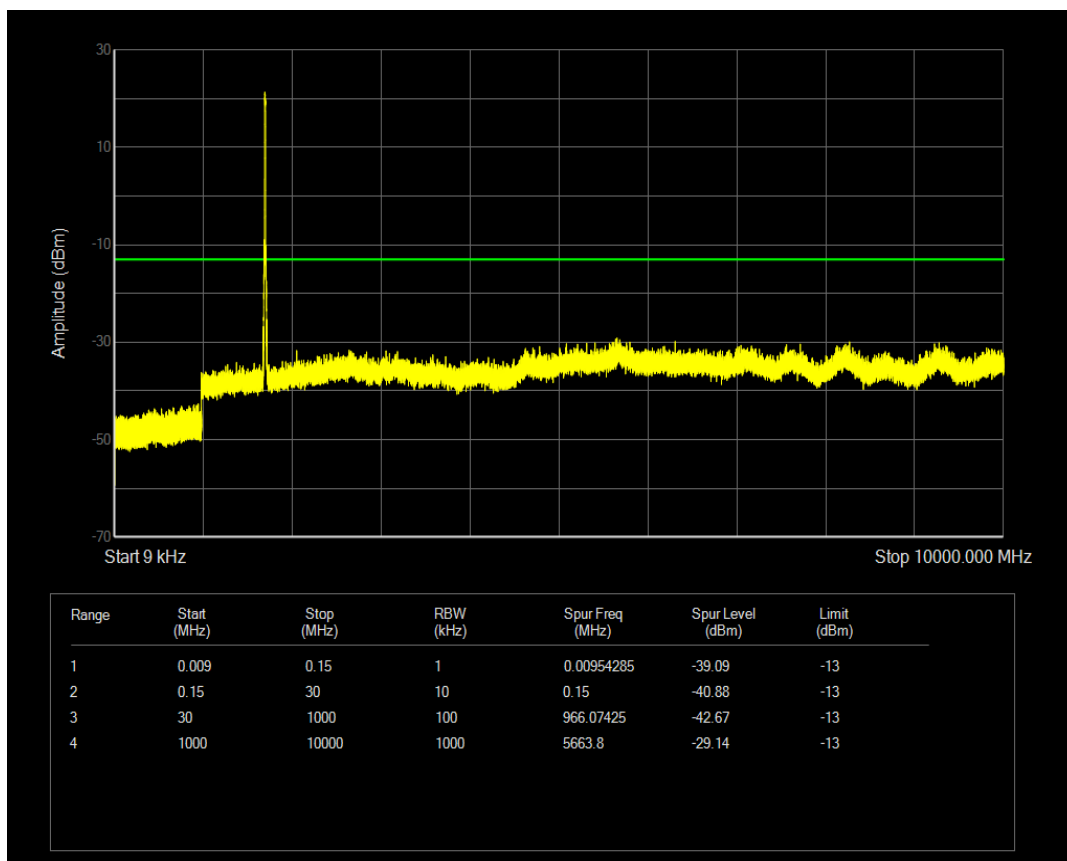




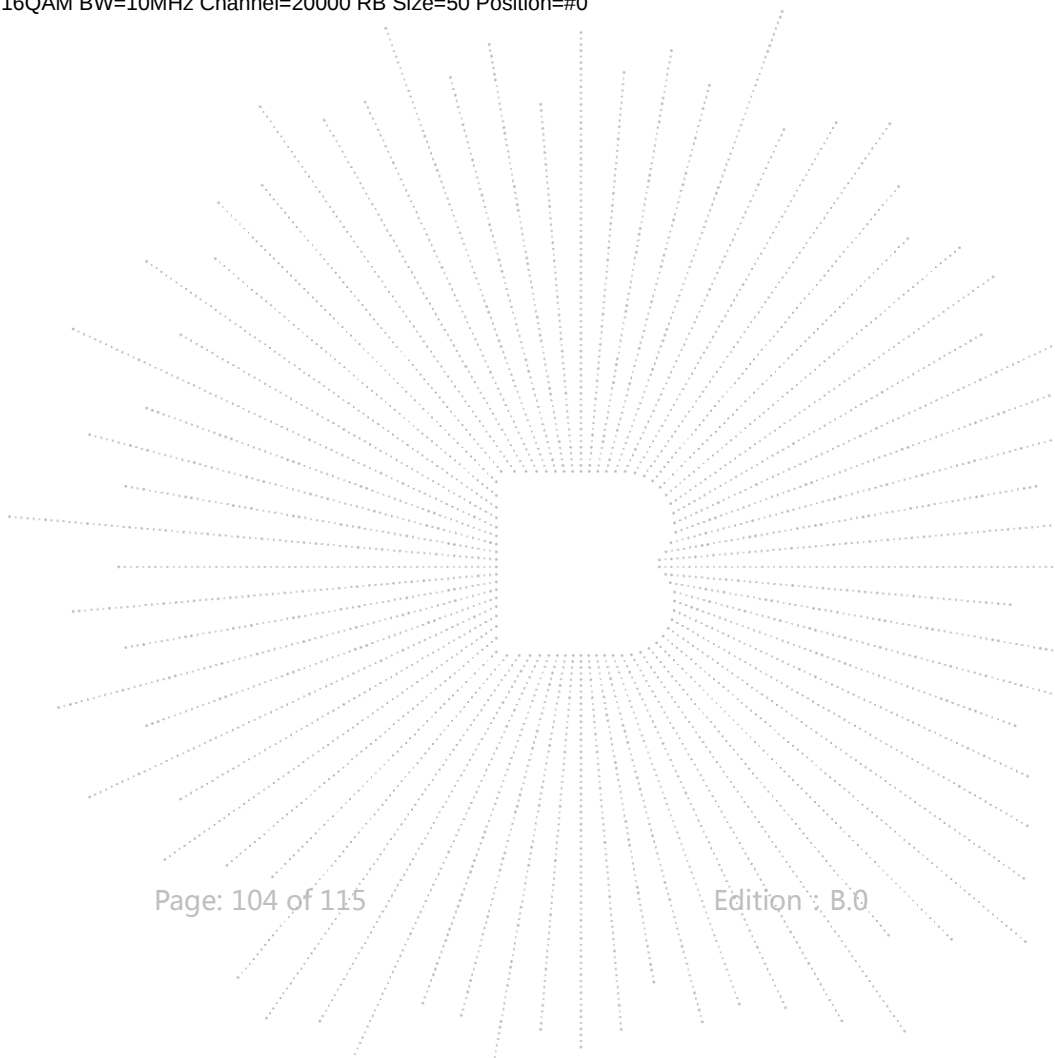
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

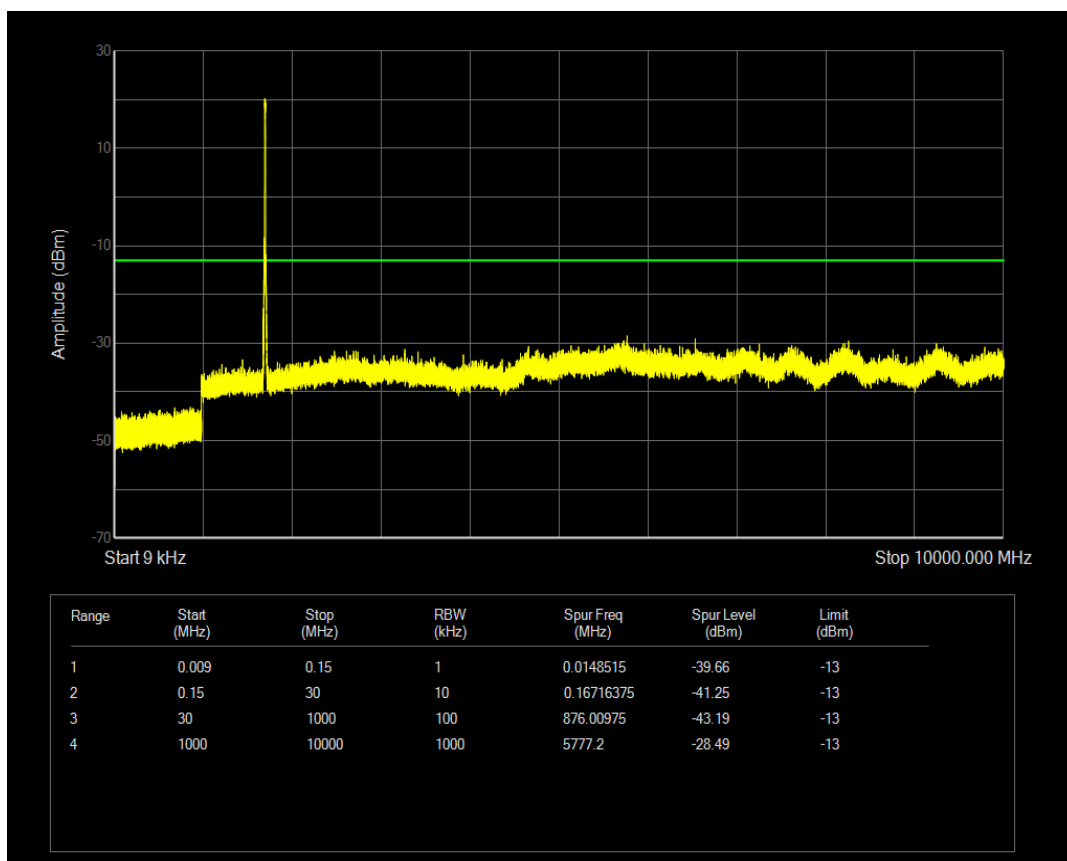


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

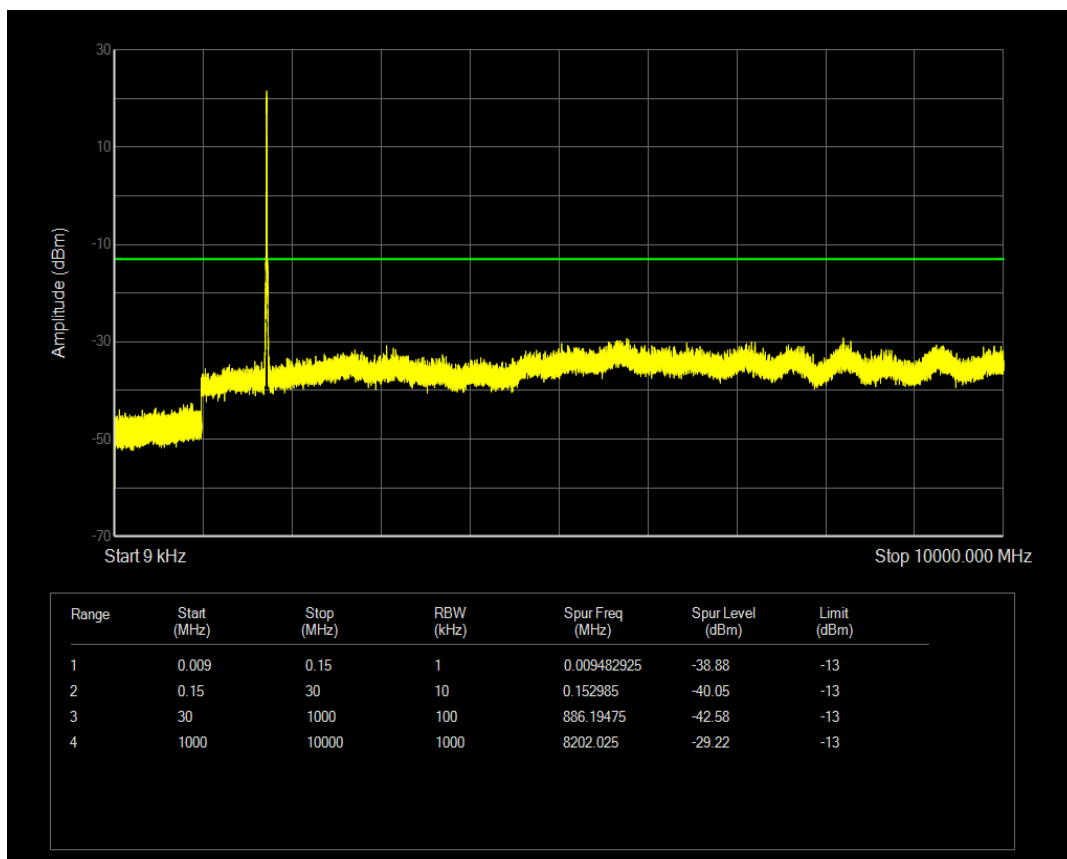


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



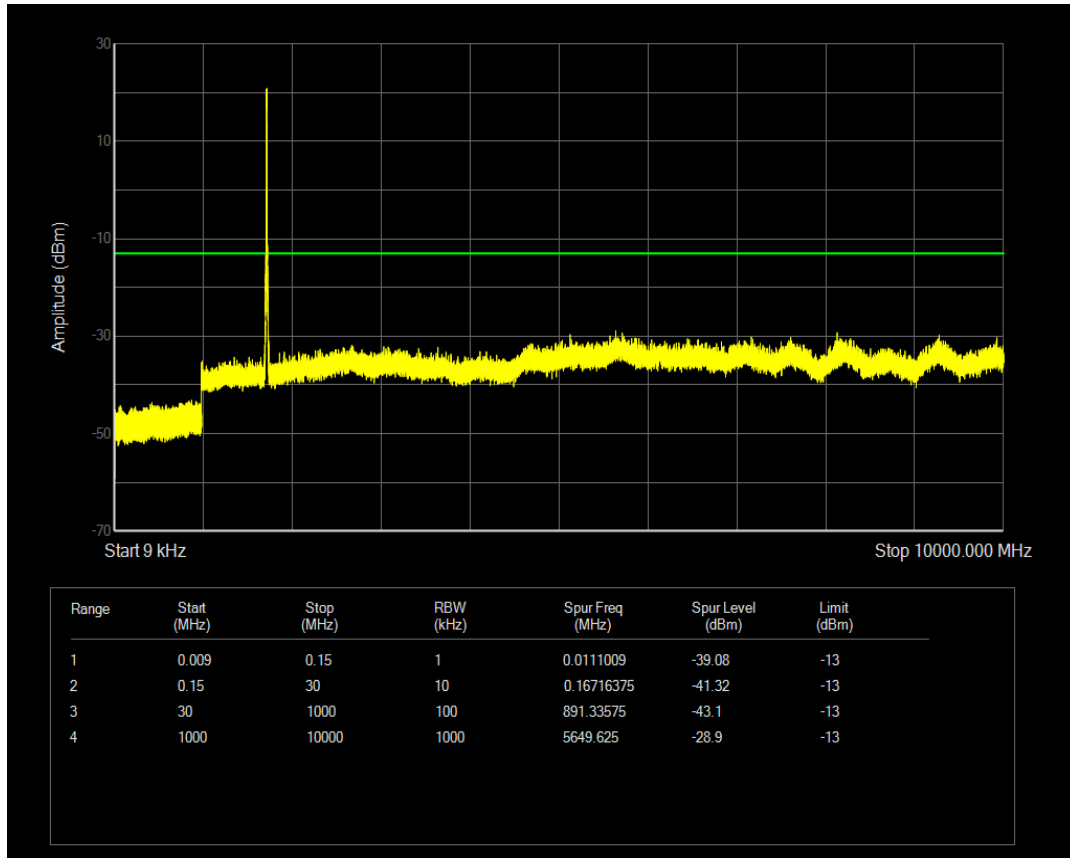


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

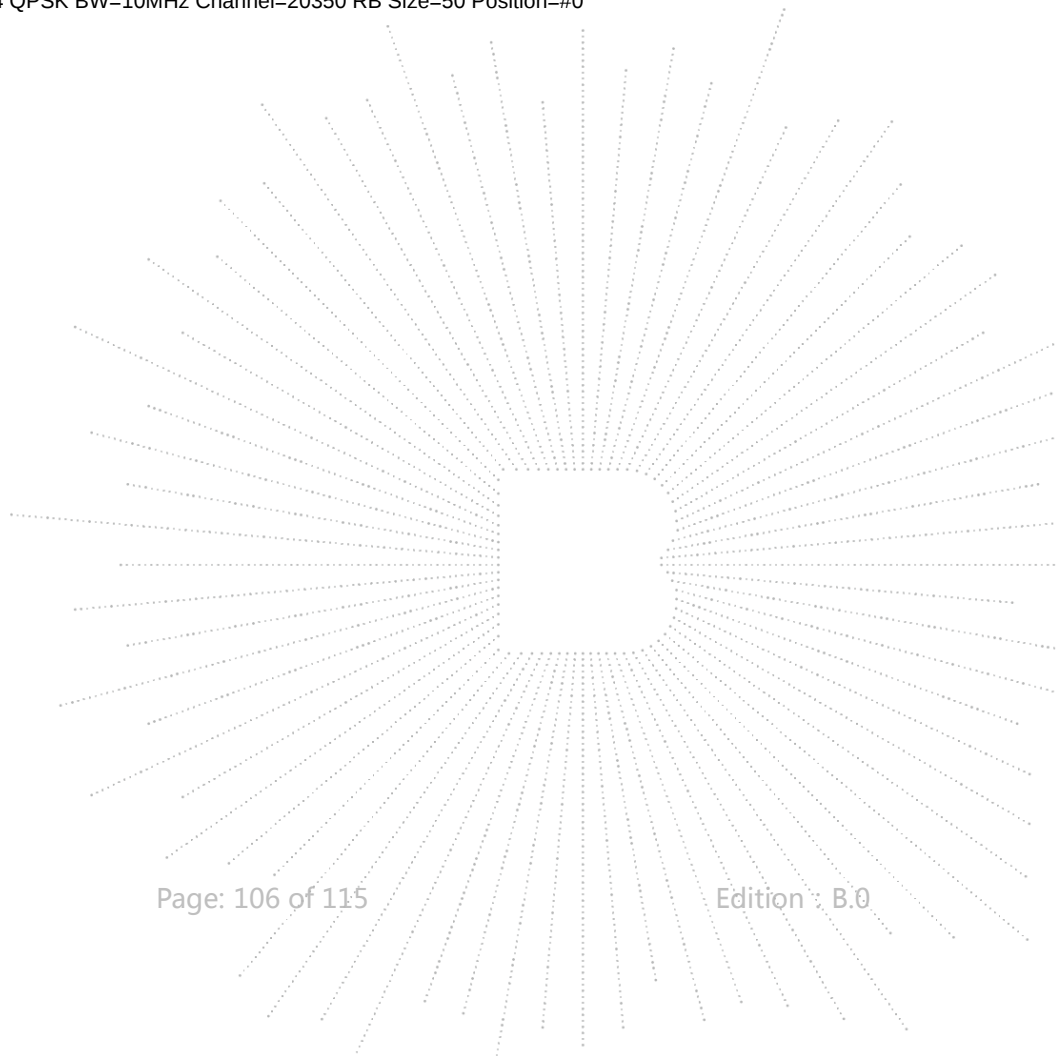


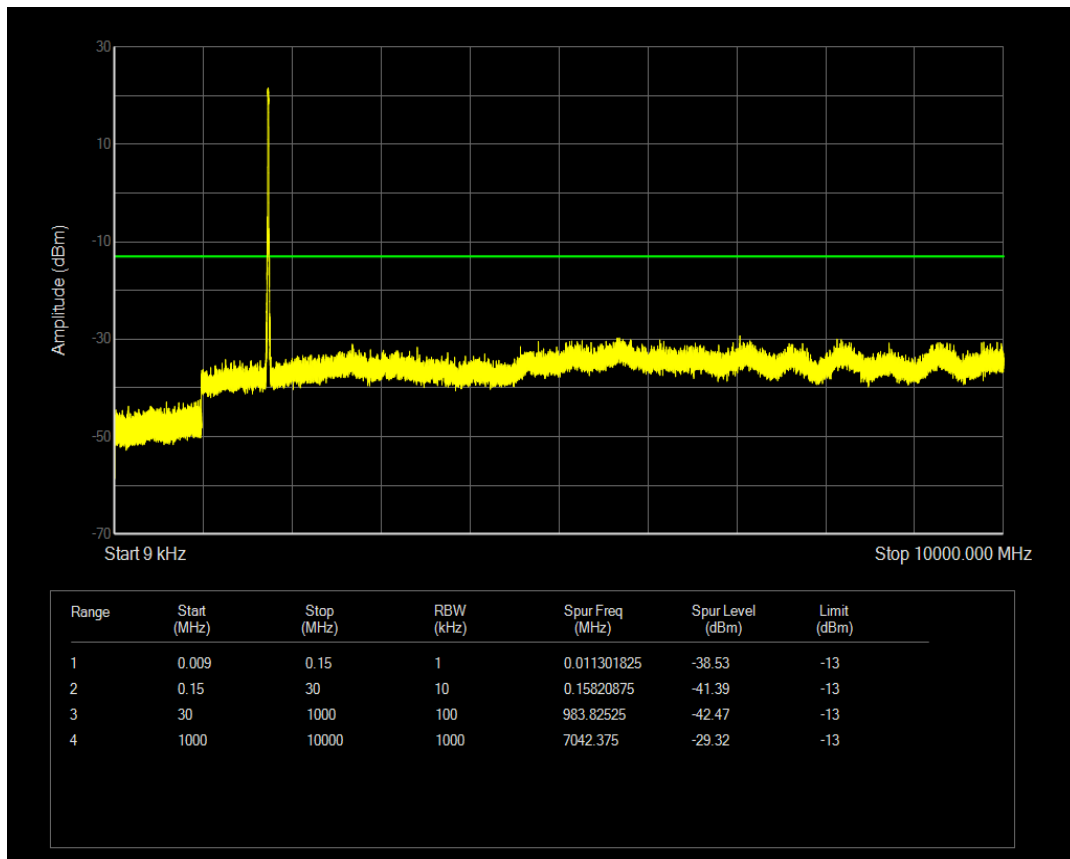


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0

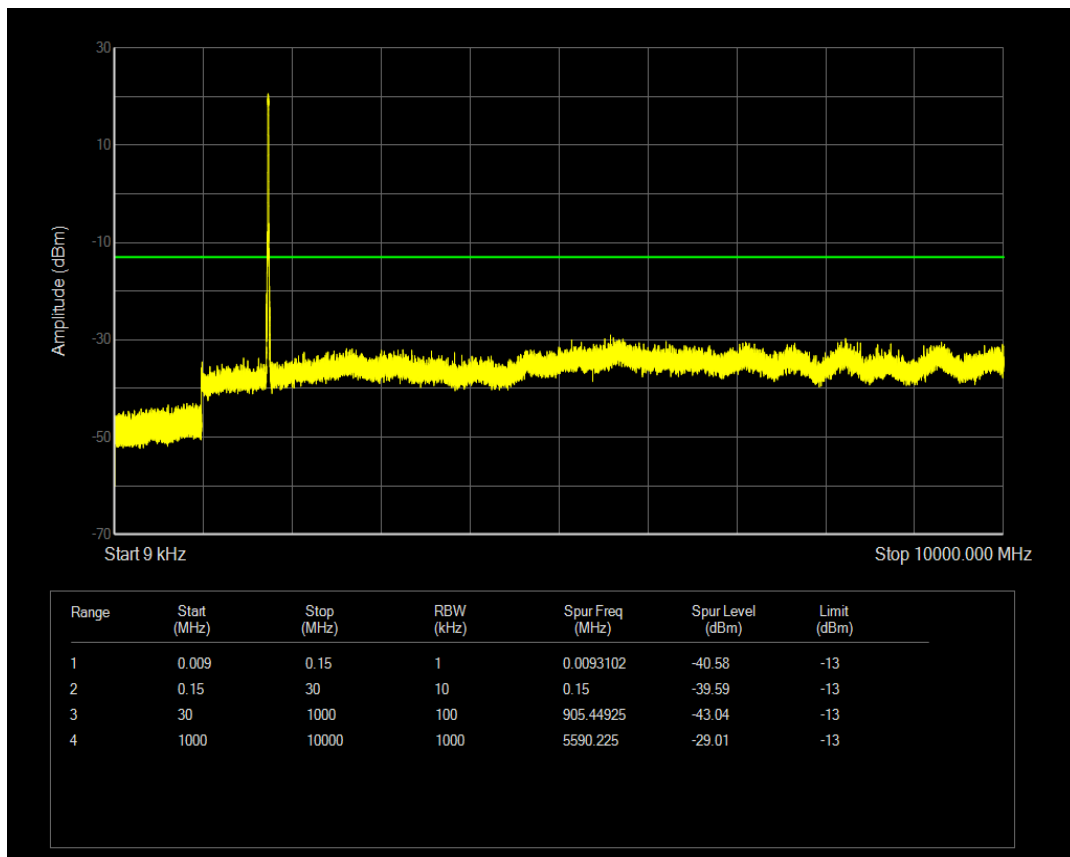


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

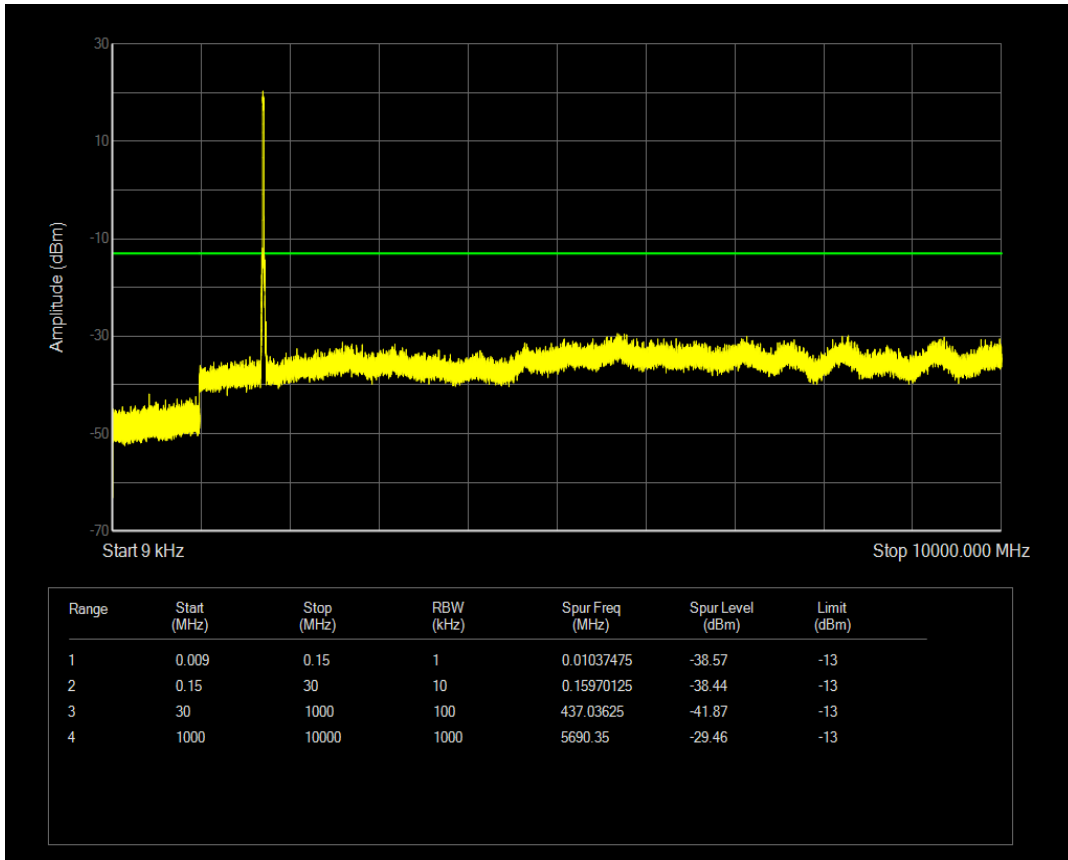




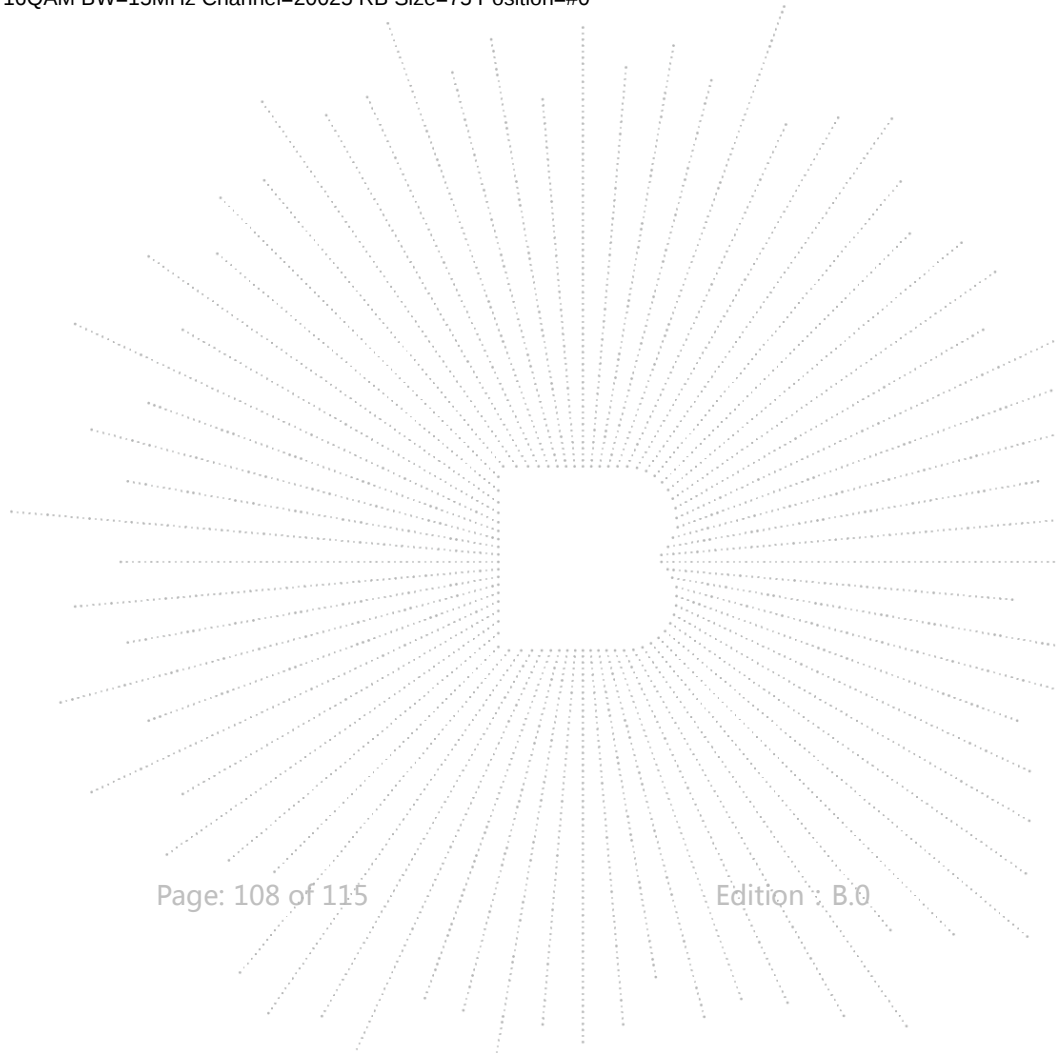
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

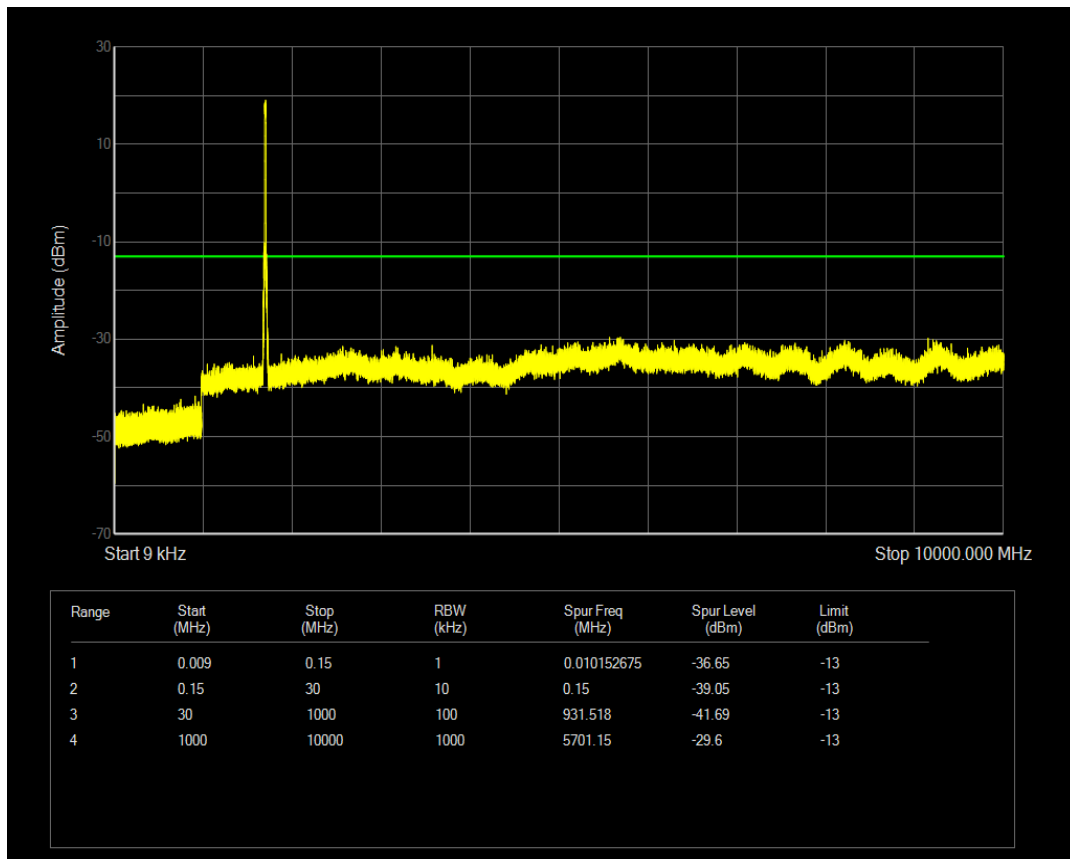


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

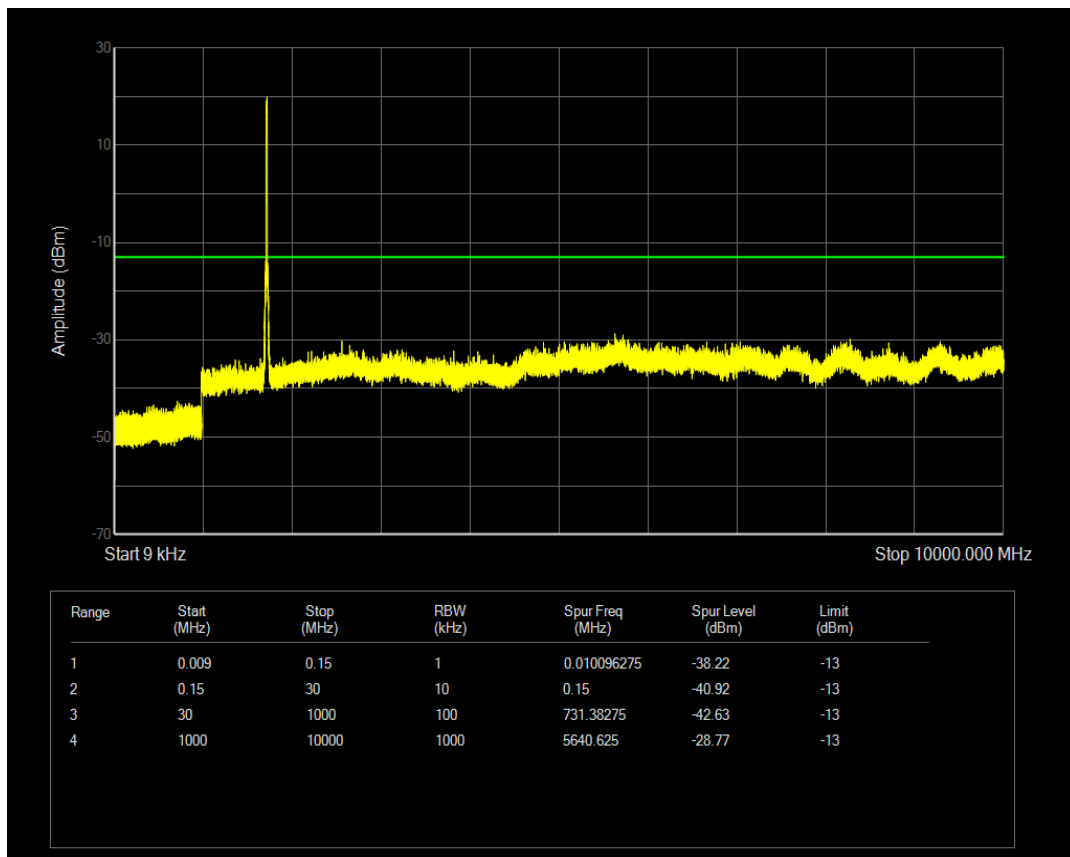


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0

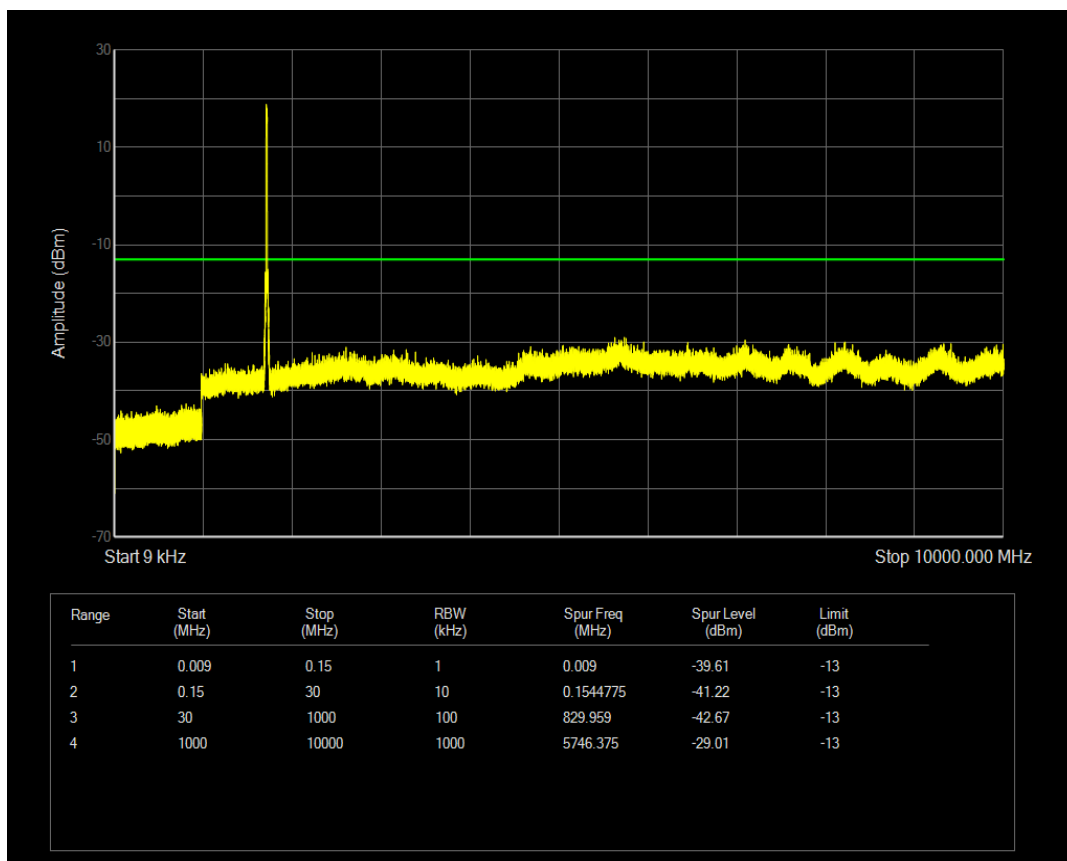




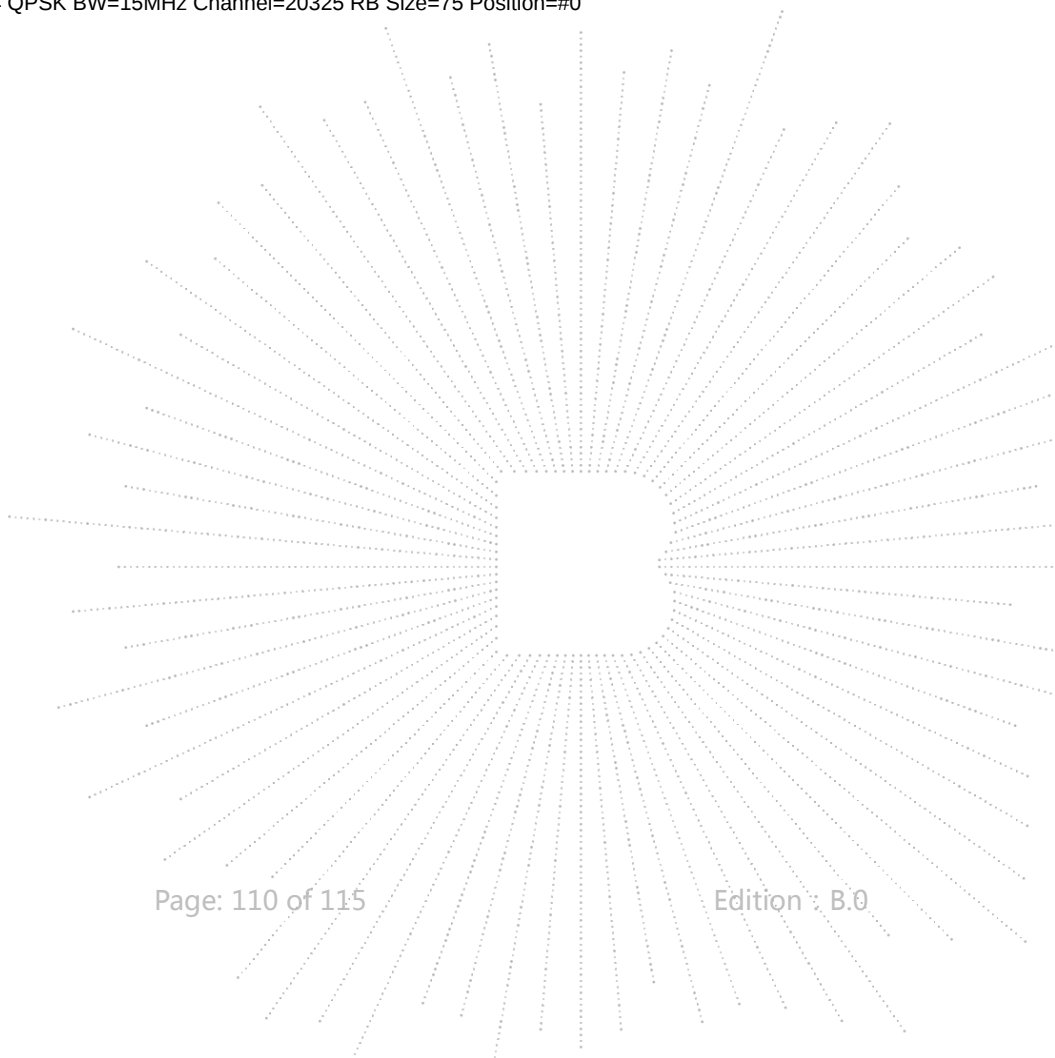
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

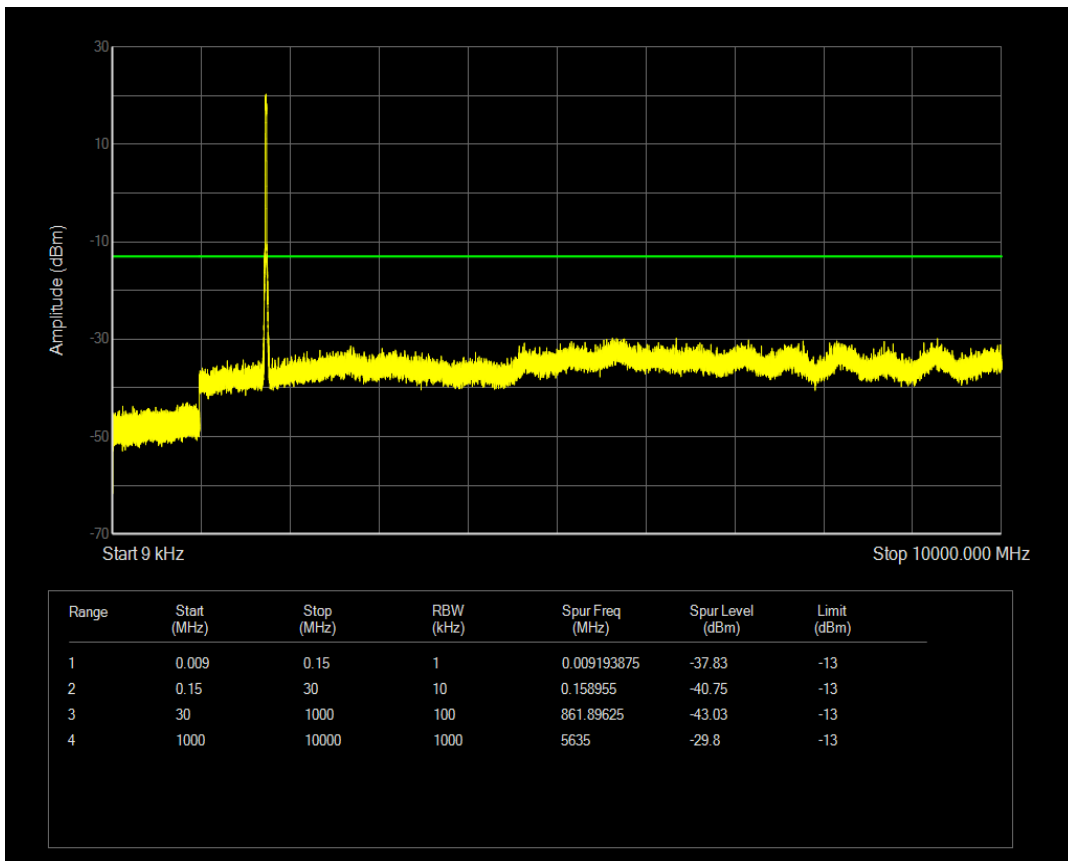


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0

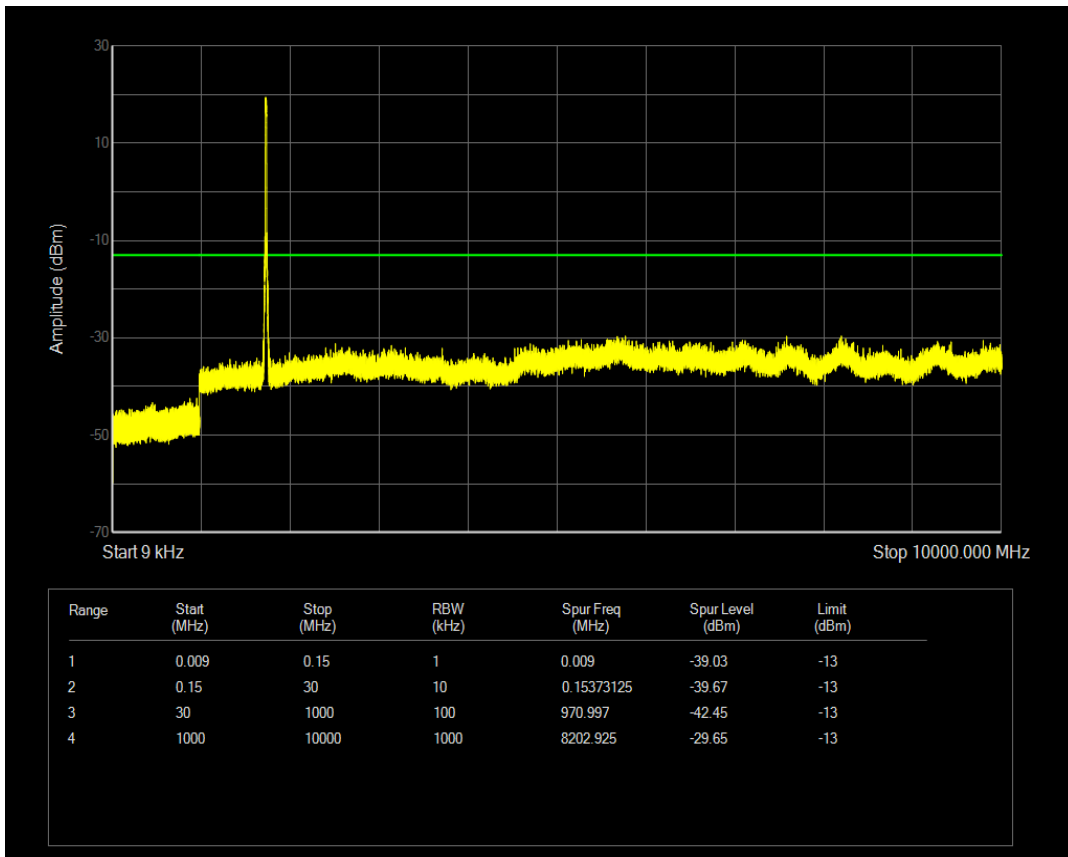


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



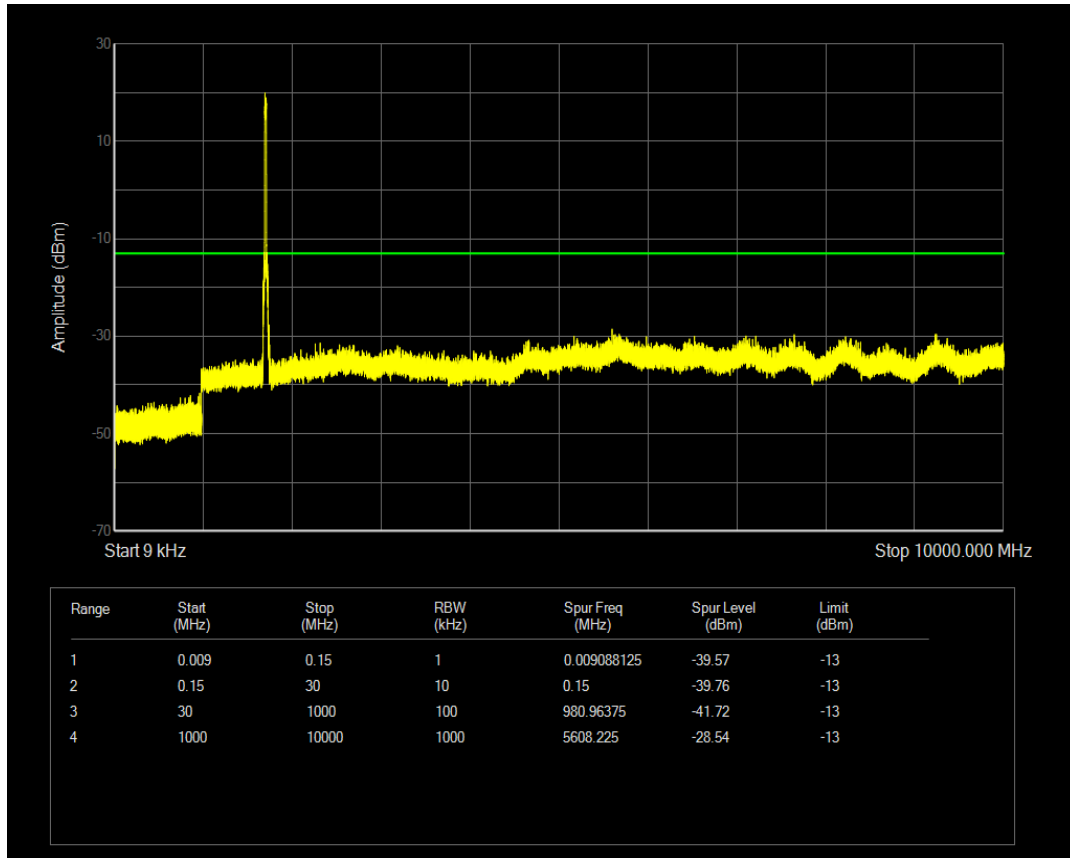


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

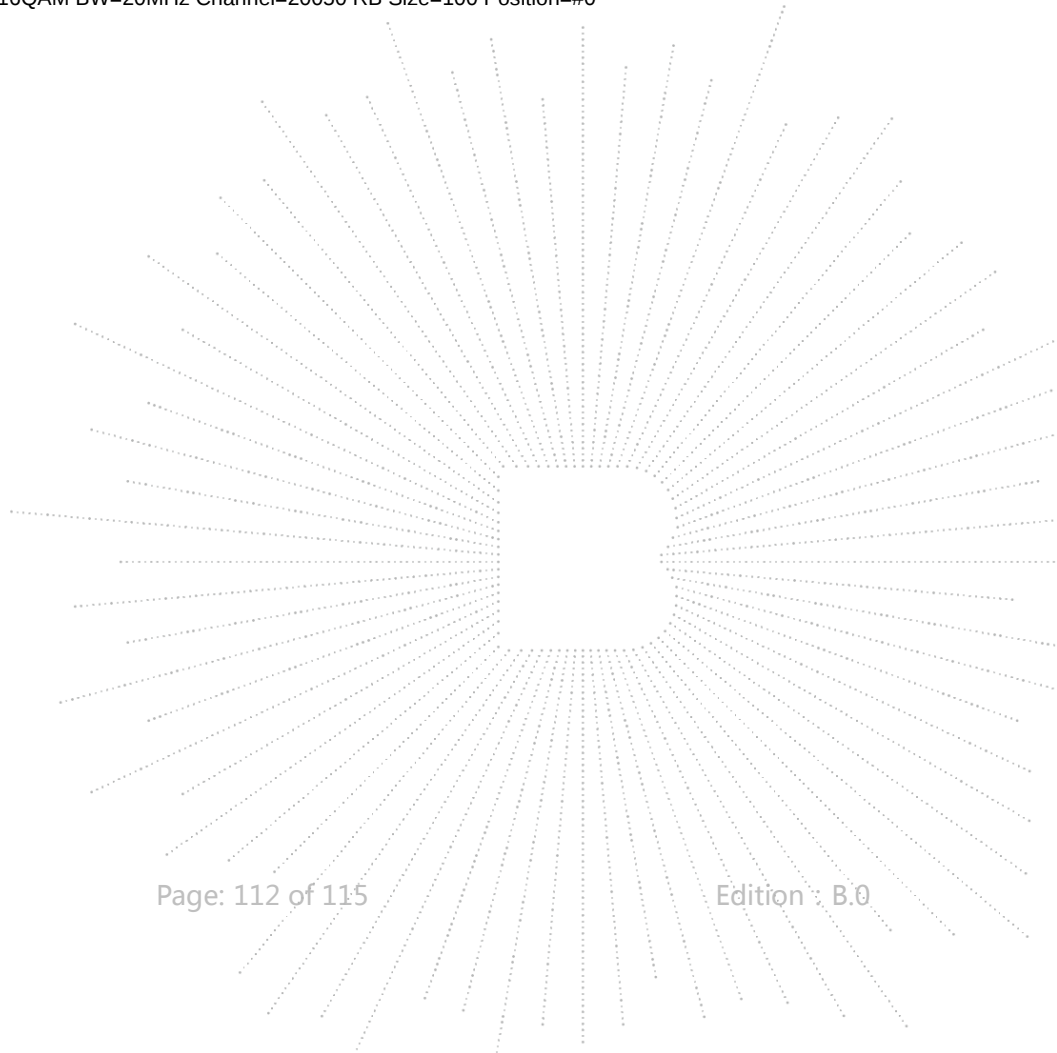


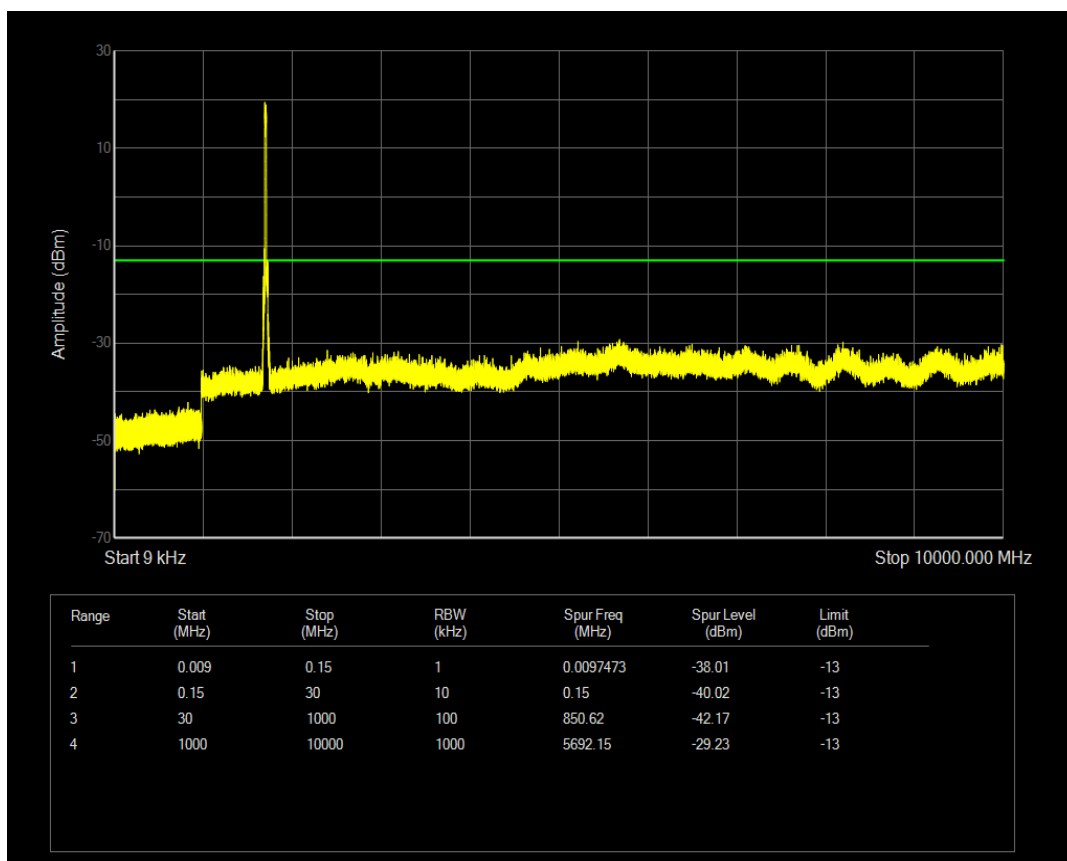


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

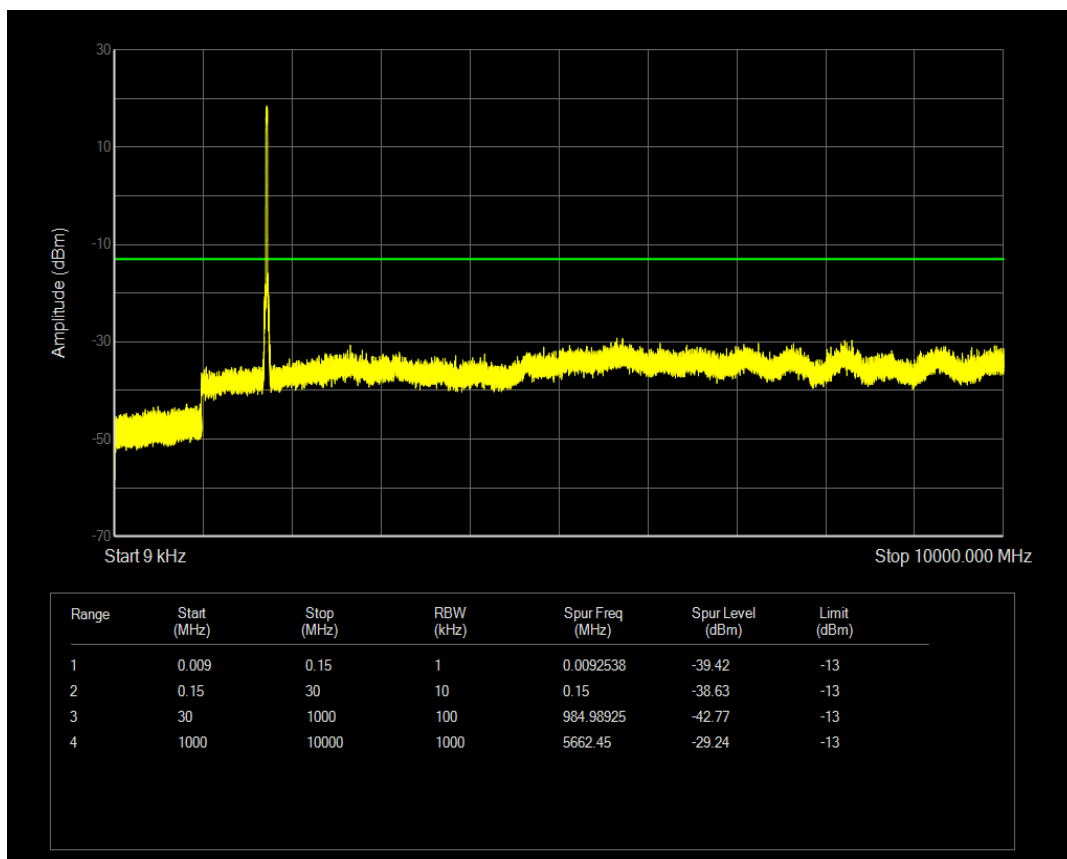


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

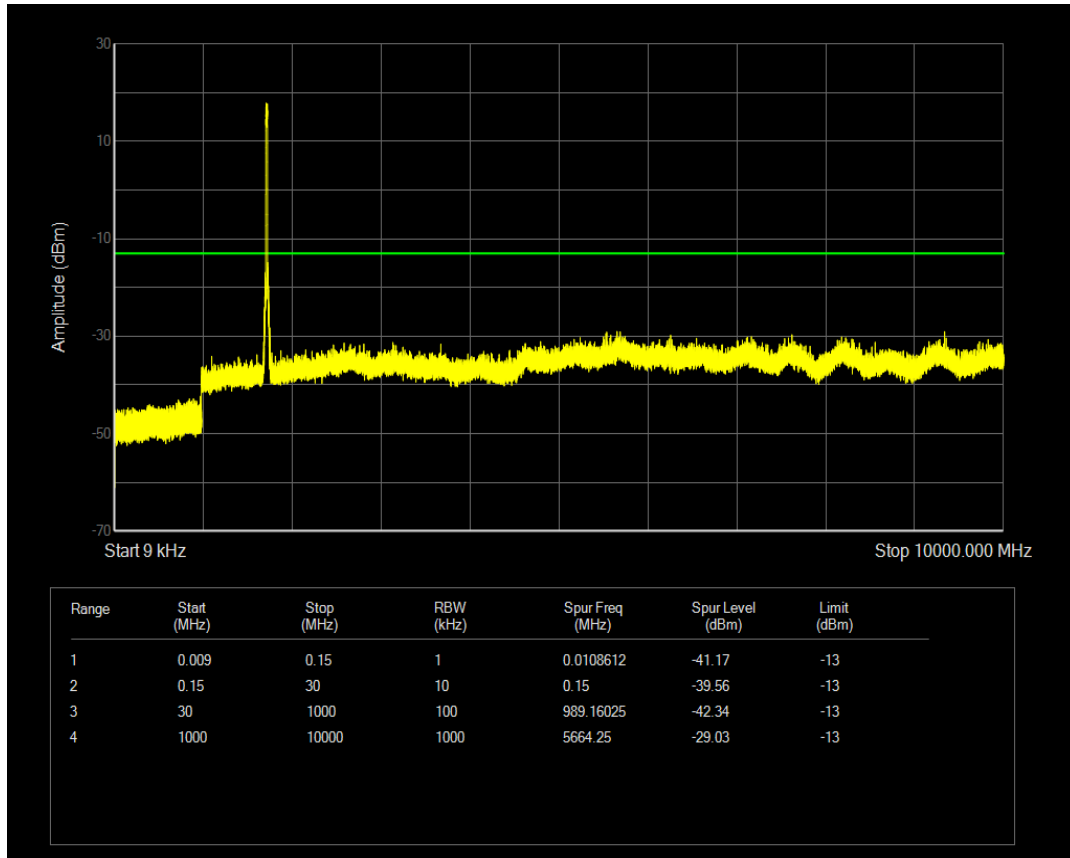




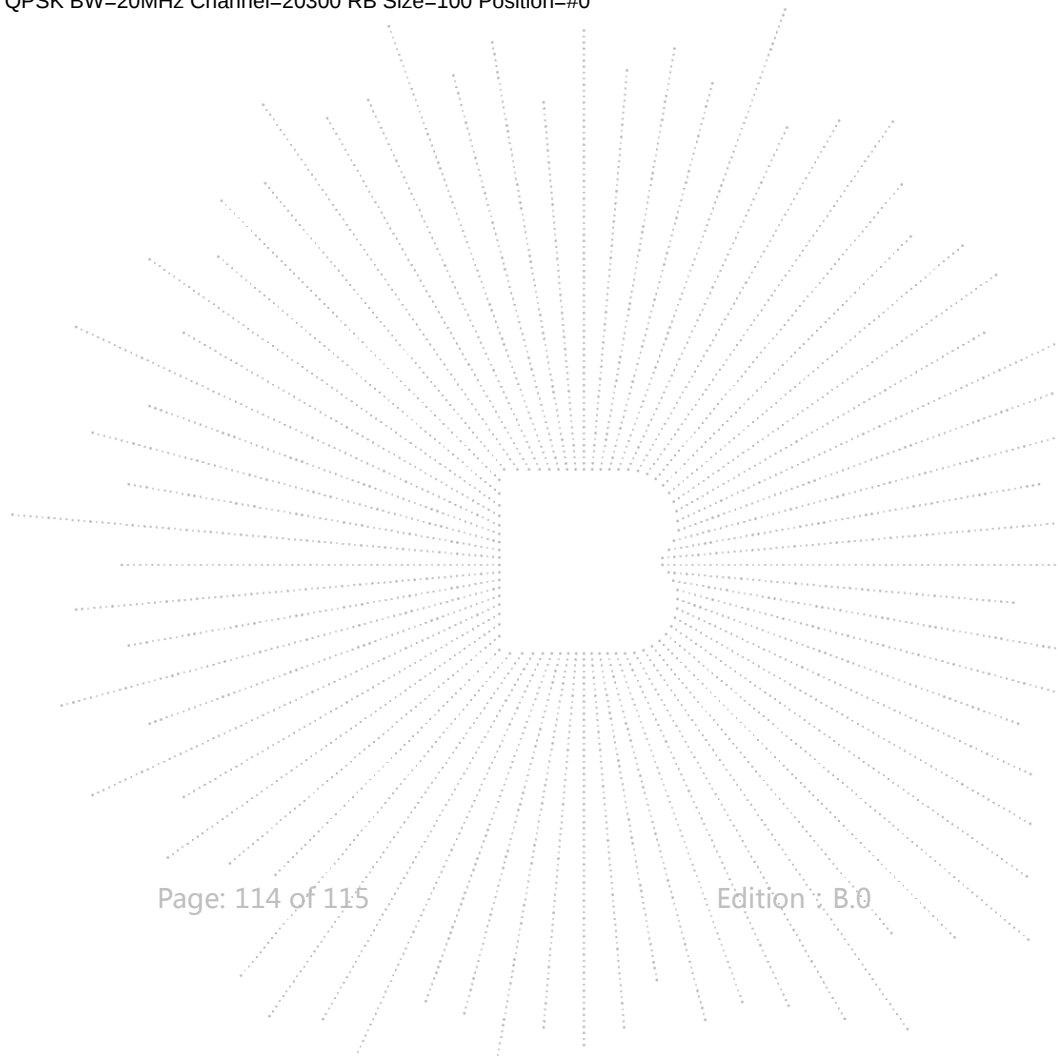
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

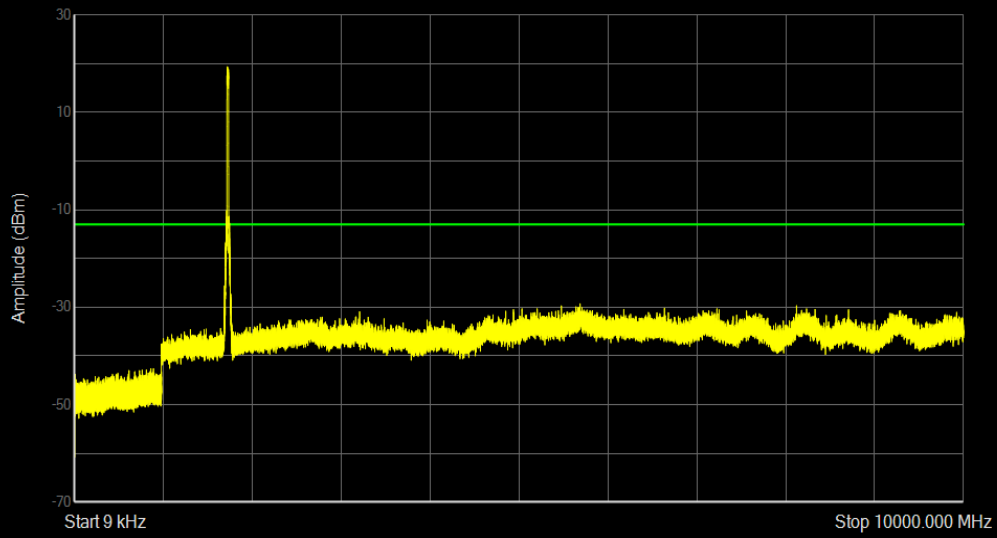


Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



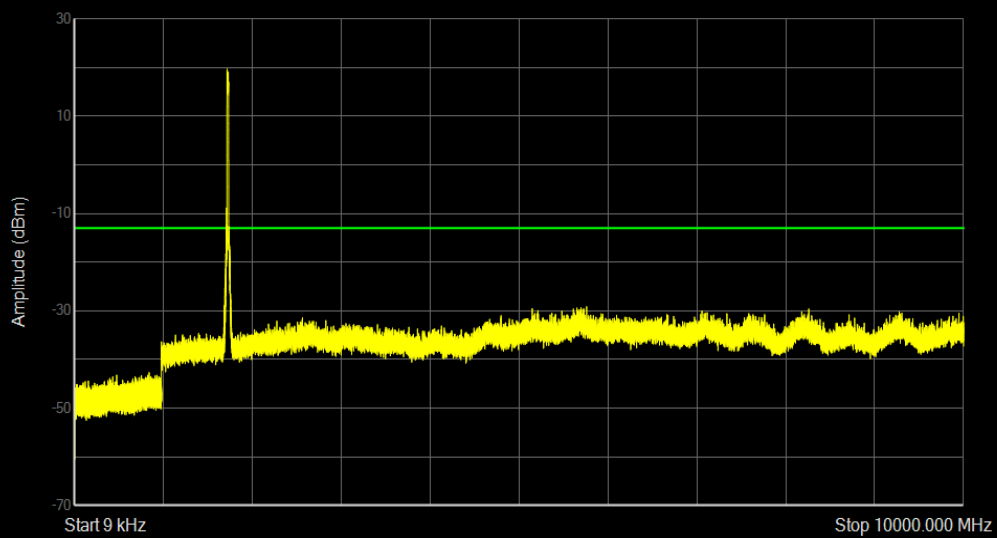
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0





Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01079775	-39.38	-13
2	0.15	30	10	0.15074625	-40.89	-13
3	30	1000	100	882.1935	-42.62	-13
4	1000	10000	1000	5697.55	-29.29	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00917625	-39.79	-13
2	0.15	30	10	0.15	-40.22	-13
3	30	1000	100	863.25425	-42.71	-13
4	1000	10000	1000	5770.675	-29.17	-13