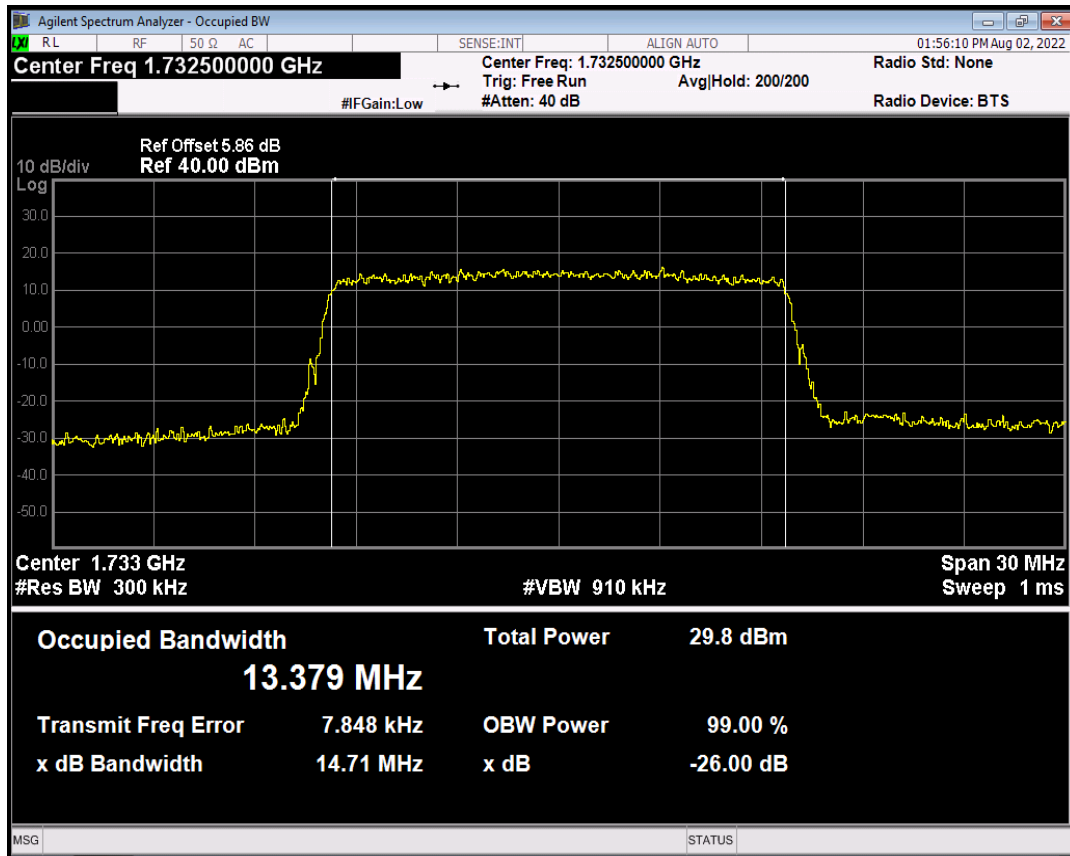
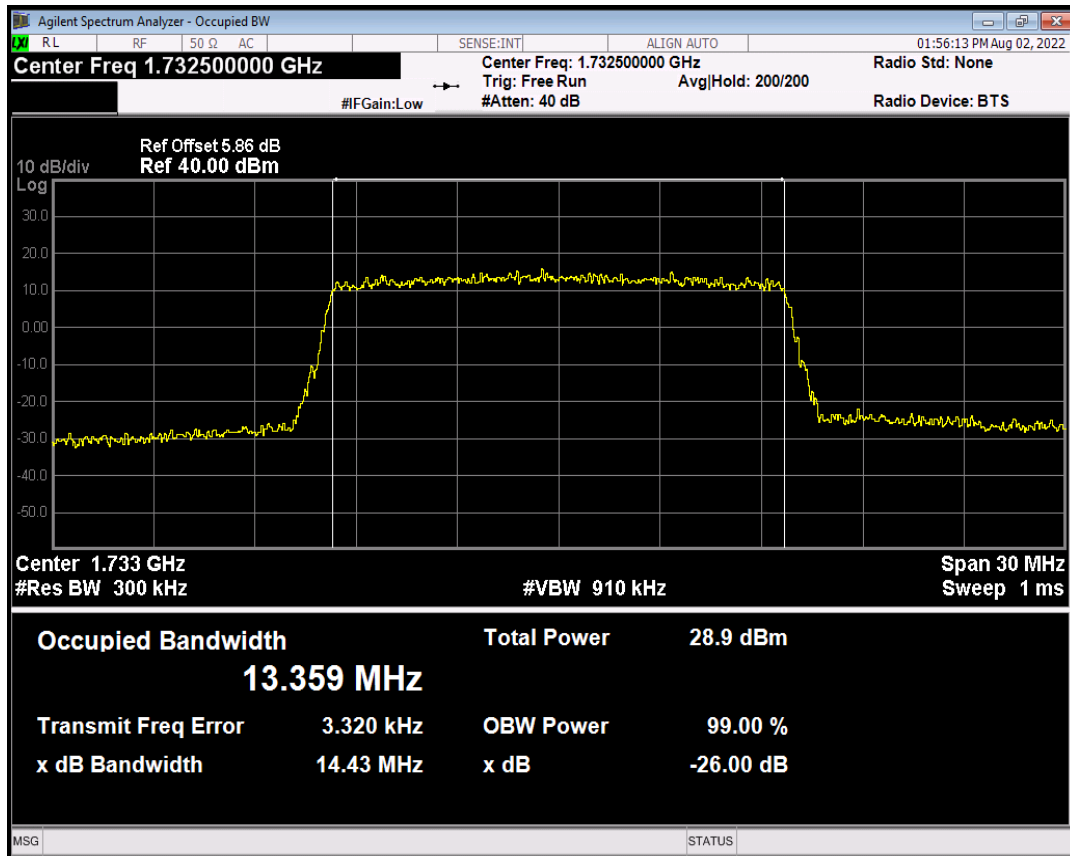




Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

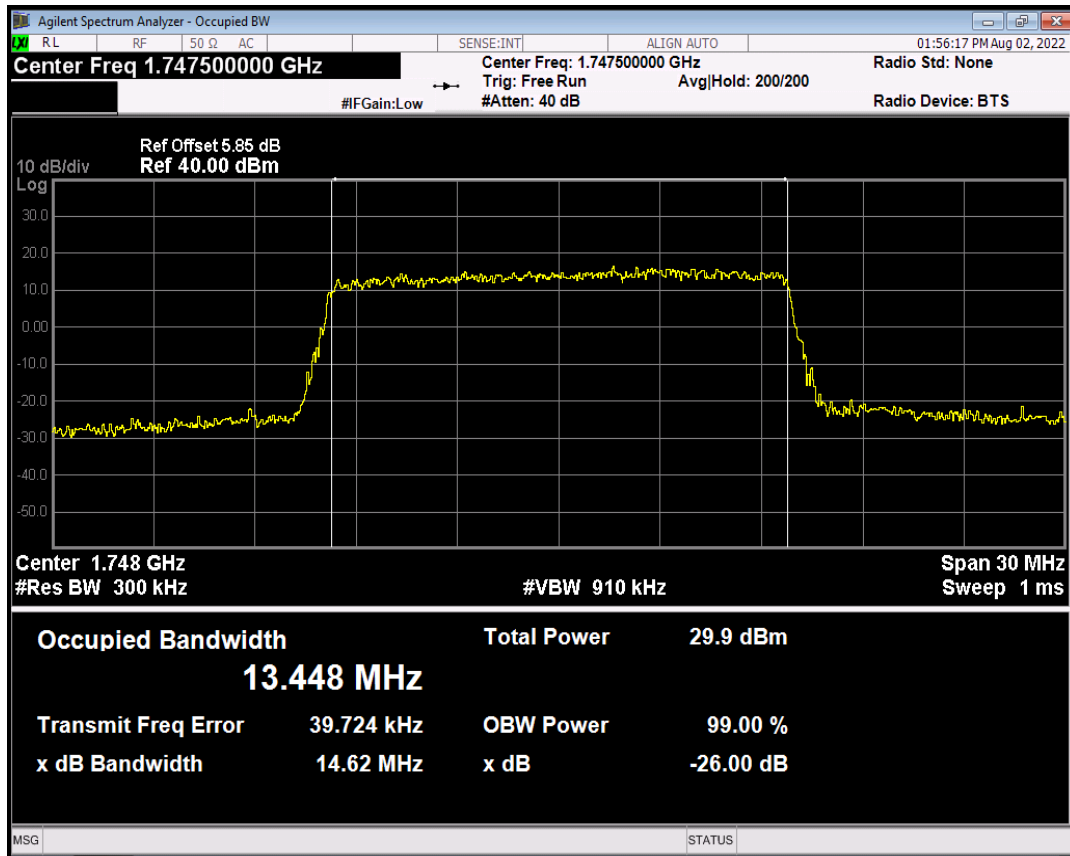


Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0

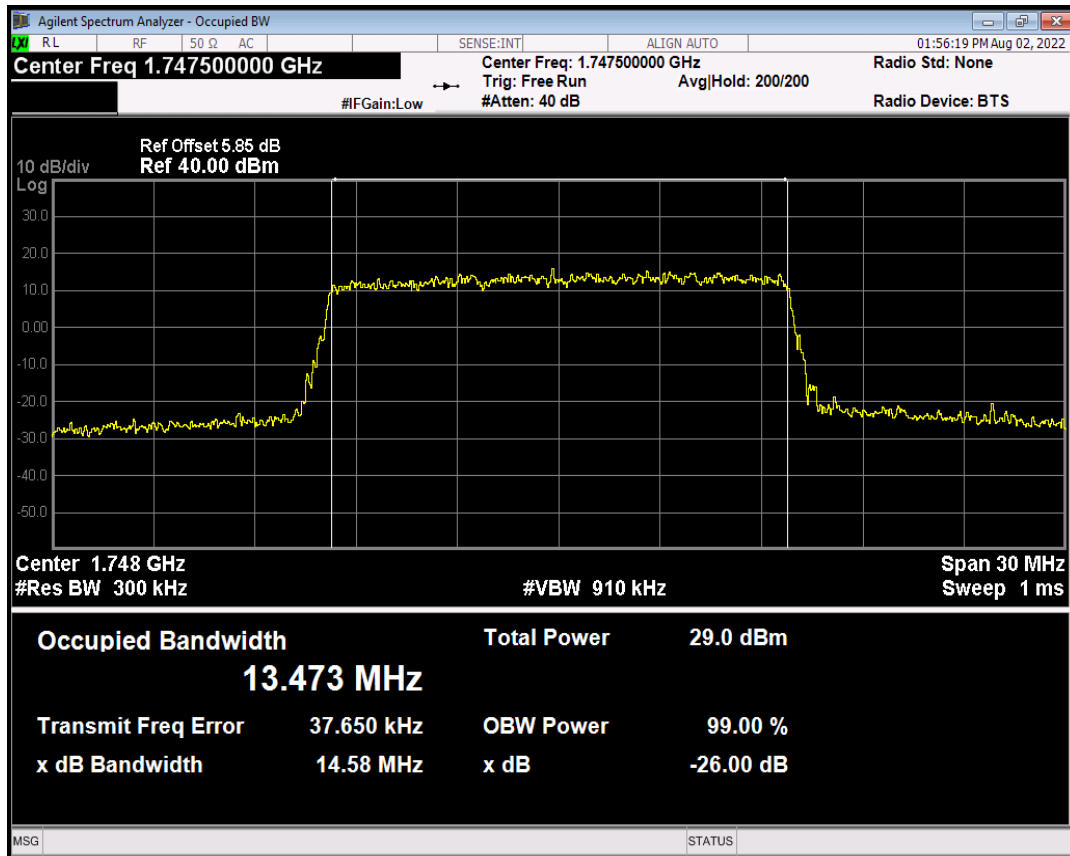




Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

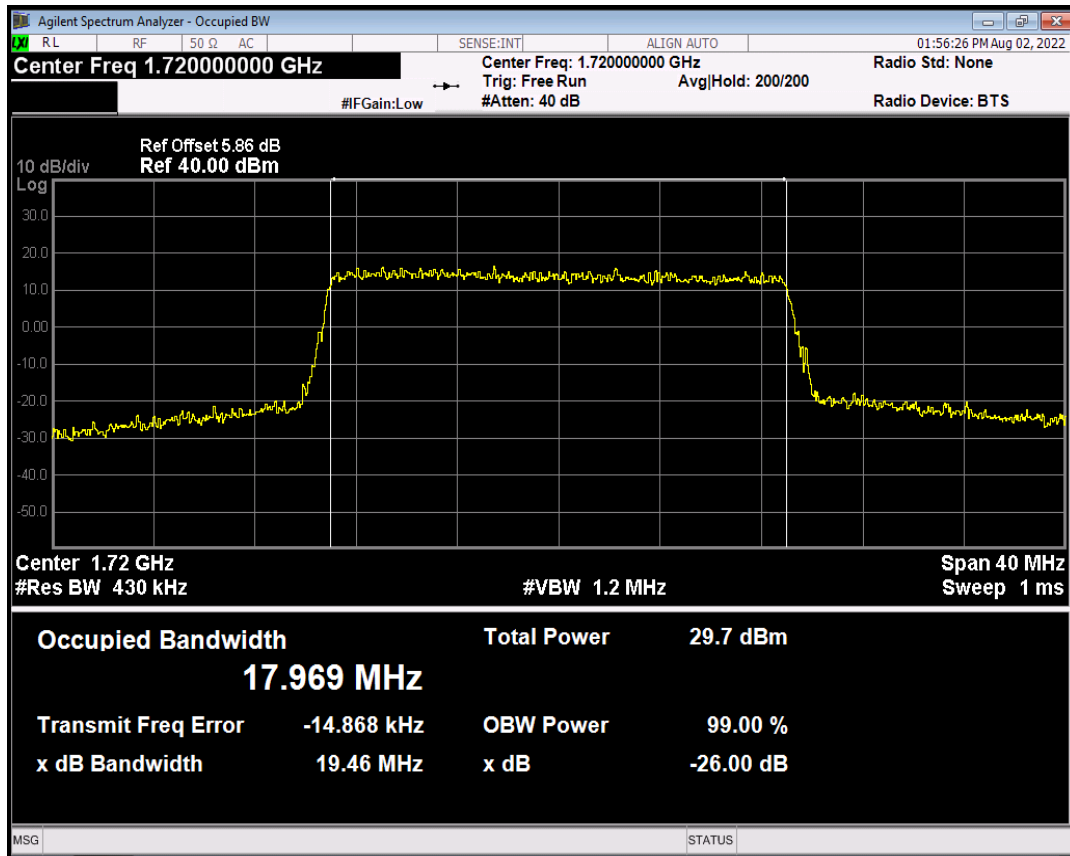


Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0

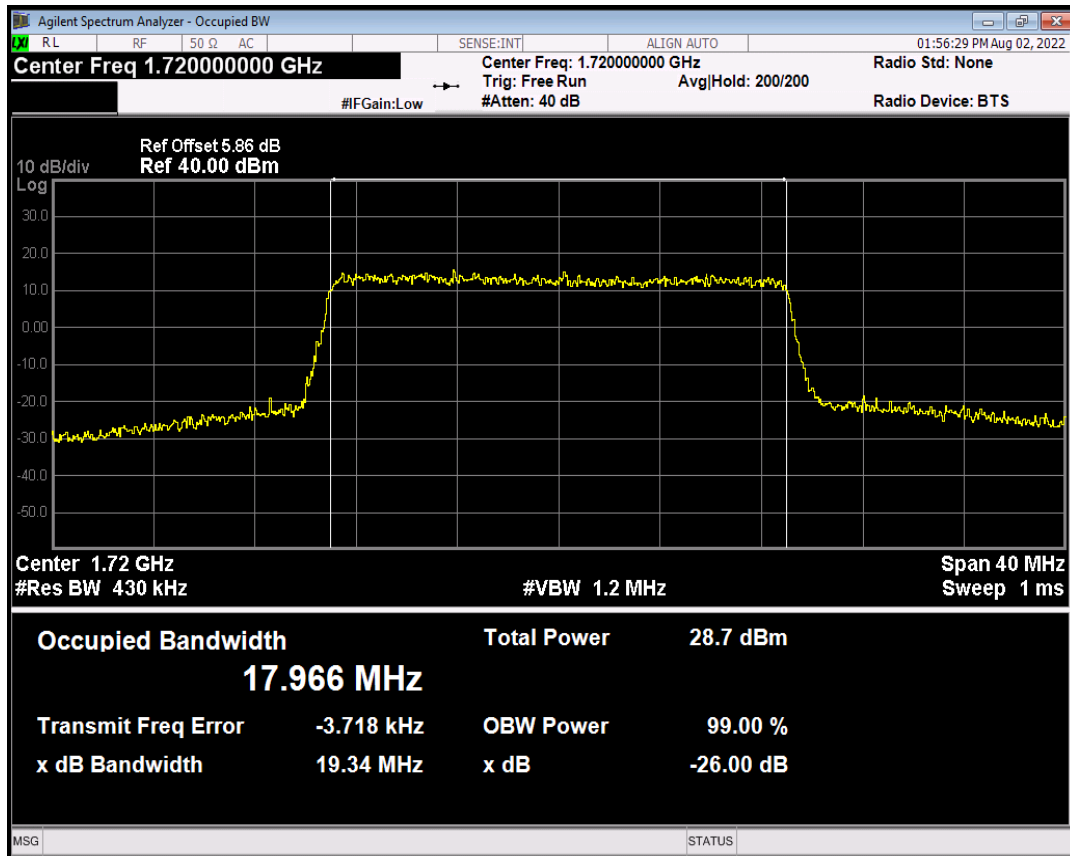




Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

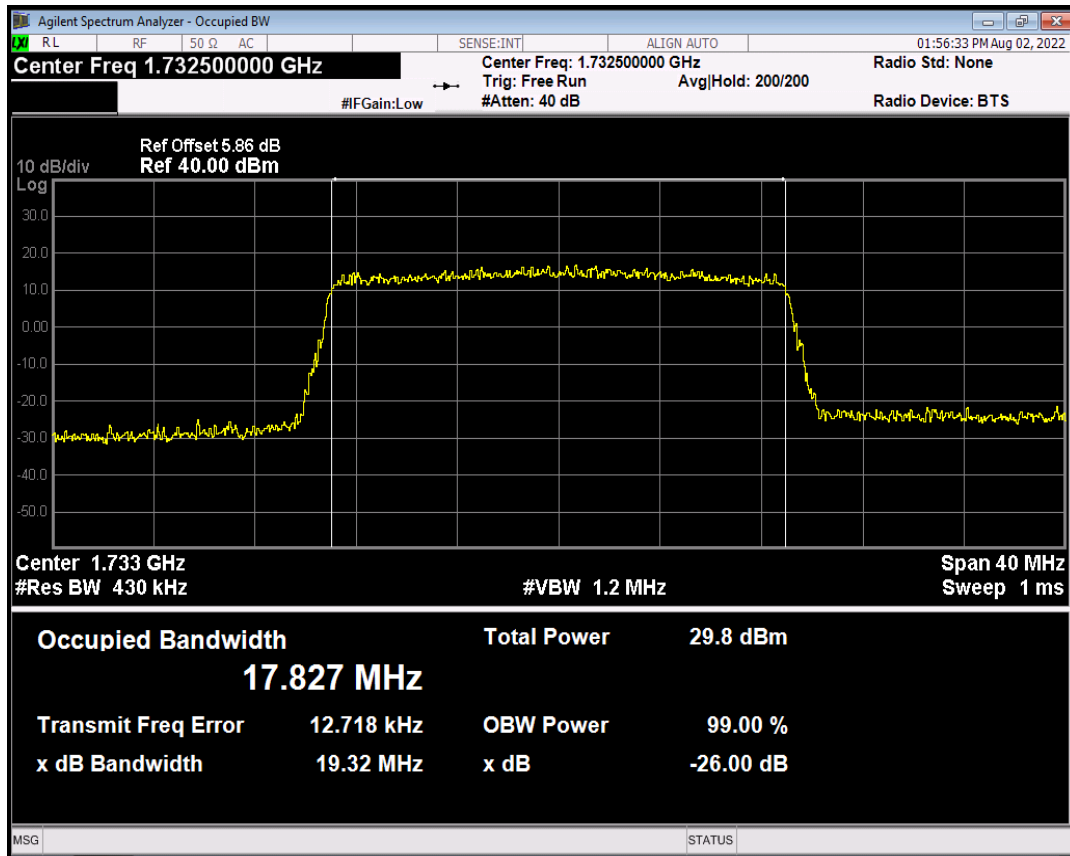


Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0

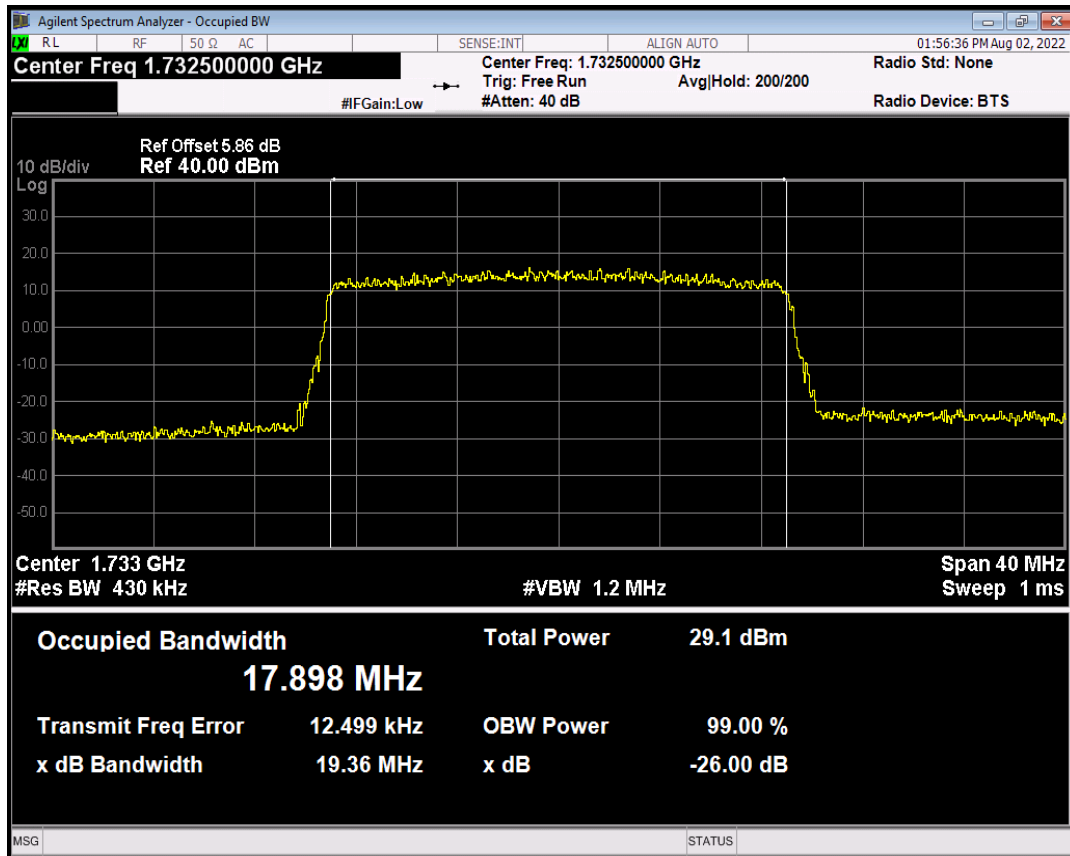




Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

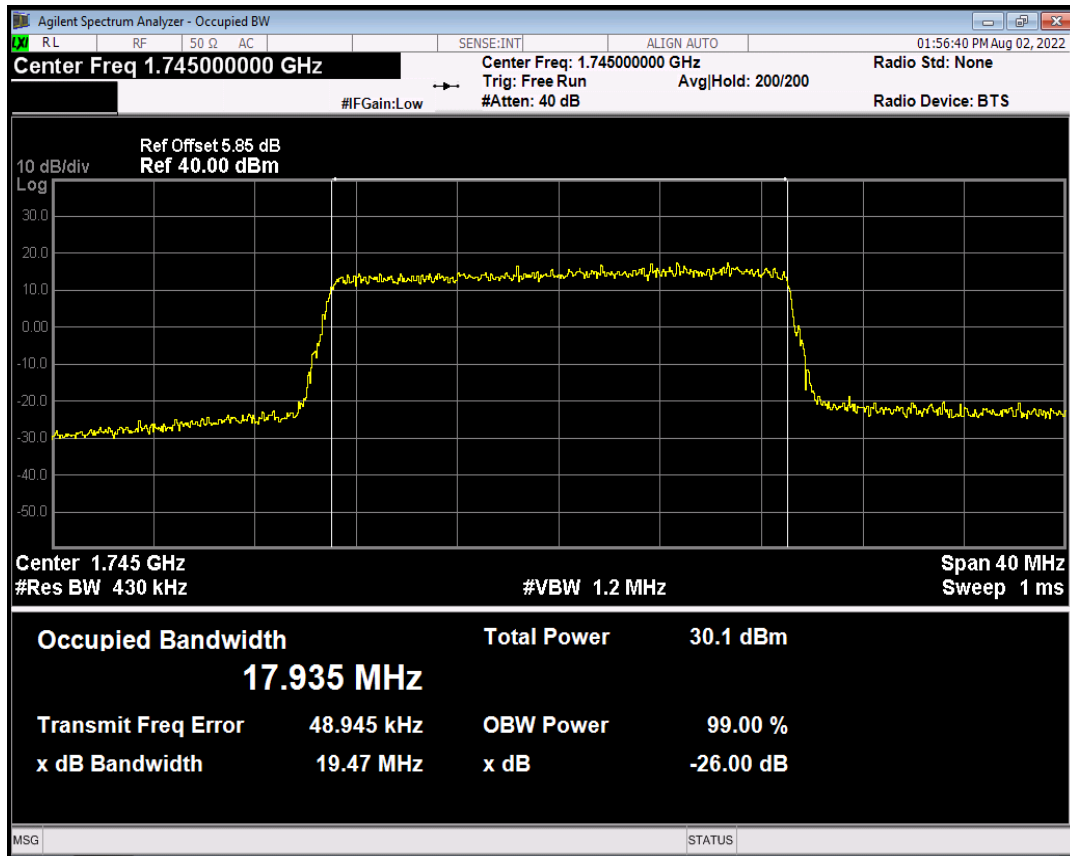


Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0

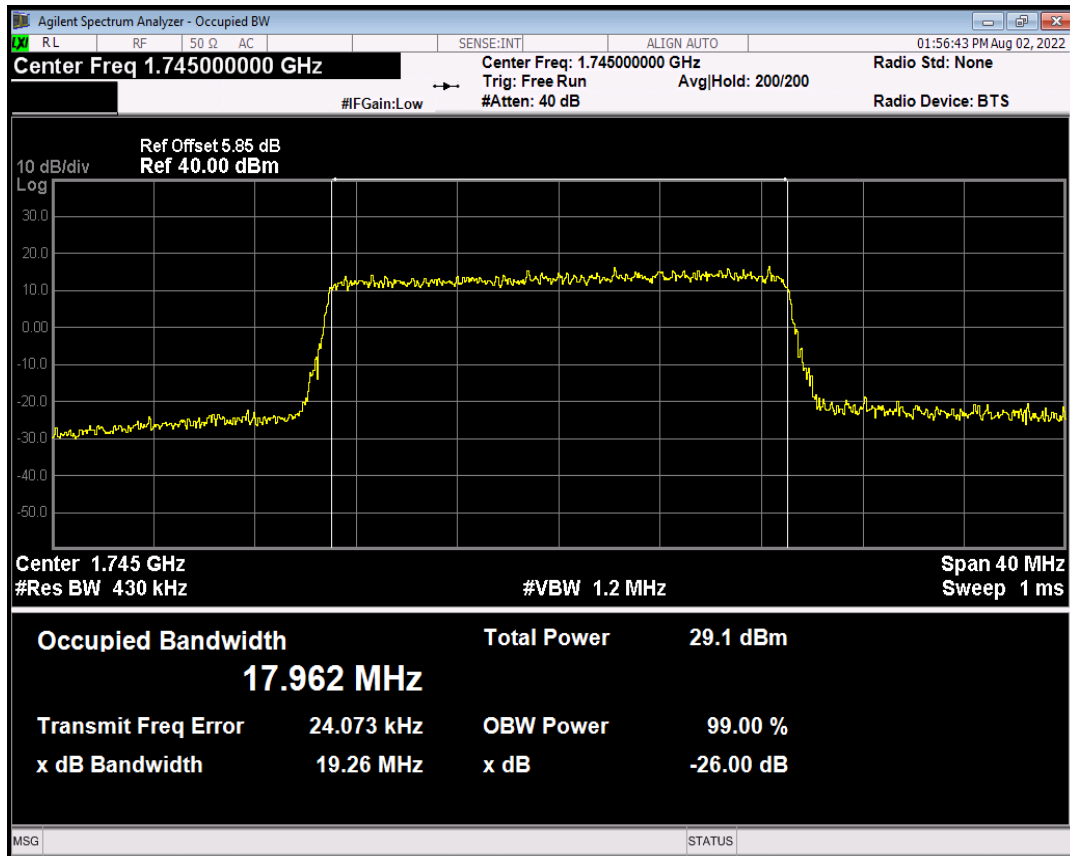




Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



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

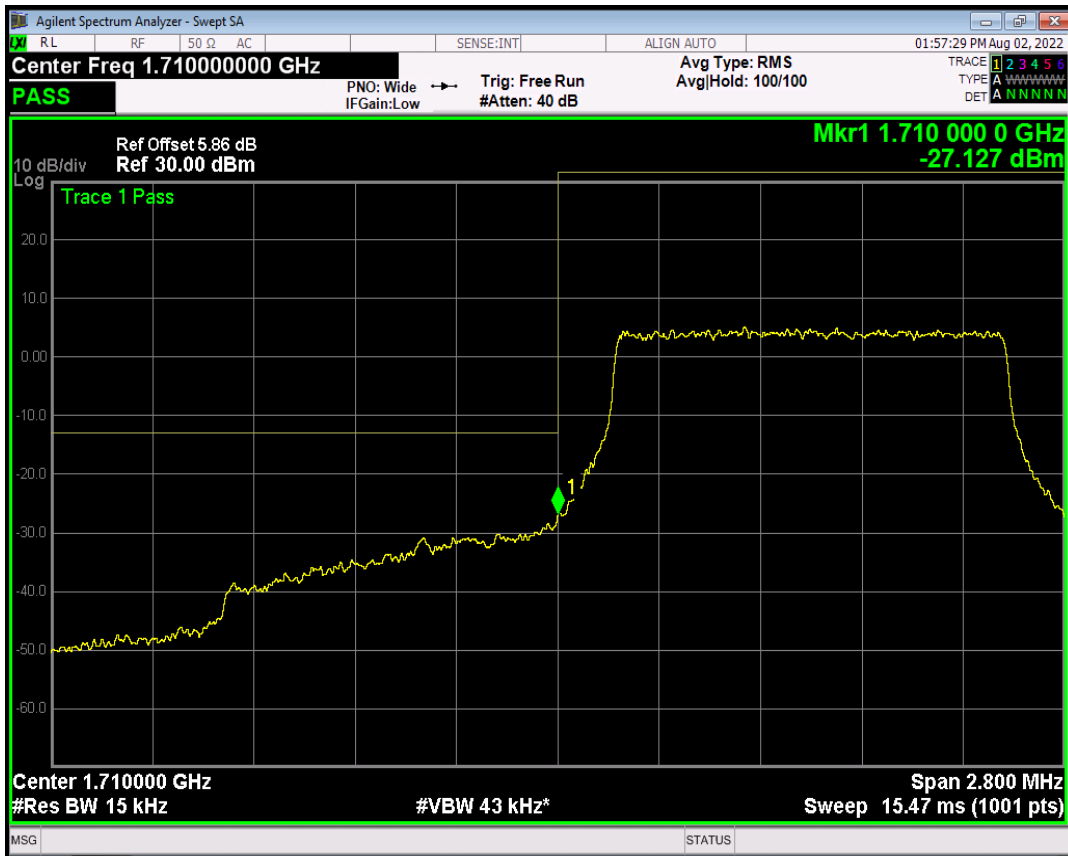


Appendix5. Band edge

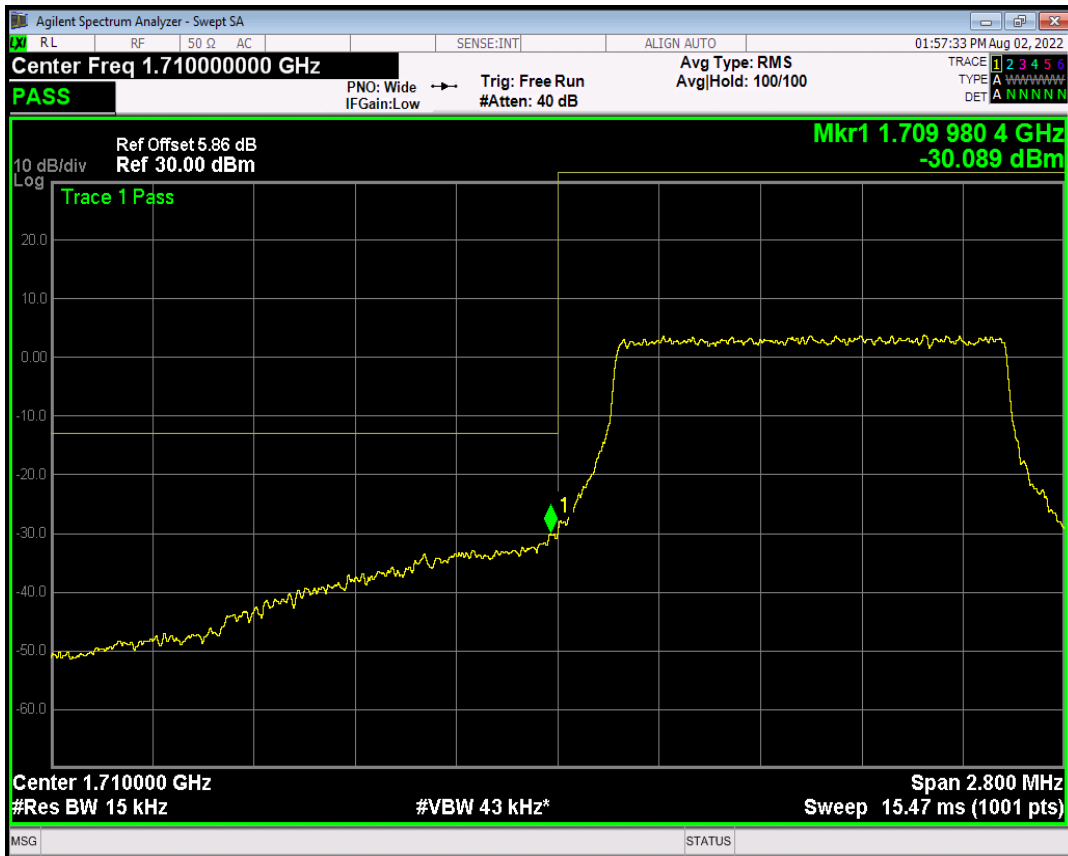
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1710.00	-27.12	-13	PASS
Band4	1.4	19957	6	#0	QAM16	1709.98	-30.08	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.01	-26.24	-13	PASS
Band4	1.4	20393	6	#0	QAM16	1755.00	-28.39	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-25.86	-13	PASS
Band4	3	19965	15	#0	QAM16	1710.00	-28.01	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.01	-25.16	-13	PASS
Band4	3	20385	15	#0	QAM16	1755.01	-27.08	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-26.64	-13	PASS
Band4	5	19975	25	#0	QAM16	1710.00	-28.09	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-26.08	-13	PASS
Band4	5	20375	25	#0	QAM16	1755.00	-28.24	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-27.07	-13	PASS
Band4	10	20000	50	#0	QAM16	1710.00	-28.53	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-29.33	-13	PASS
Band4	10	20350	50	#0	QAM16	1755.00	-29.98	-13	PASS
Band4	15	20025	75	#0	QPSK	1710.00	-29.72	-13	PASS
Band4	15	20025	75	#0	QAM16	1709.97	-31.23	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-30.30	-13	PASS
Band4	15	20325	75	#0	QAM16	1755.03	-31.88	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.60	-30.93	-13	PASS
Band4	20	20050	100	#0	QAM16	1709.84	-32.12	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.08	-31.39	-13	PASS
Band4	20	20300	100	#0	QAM16	1755.00	-29.80	-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

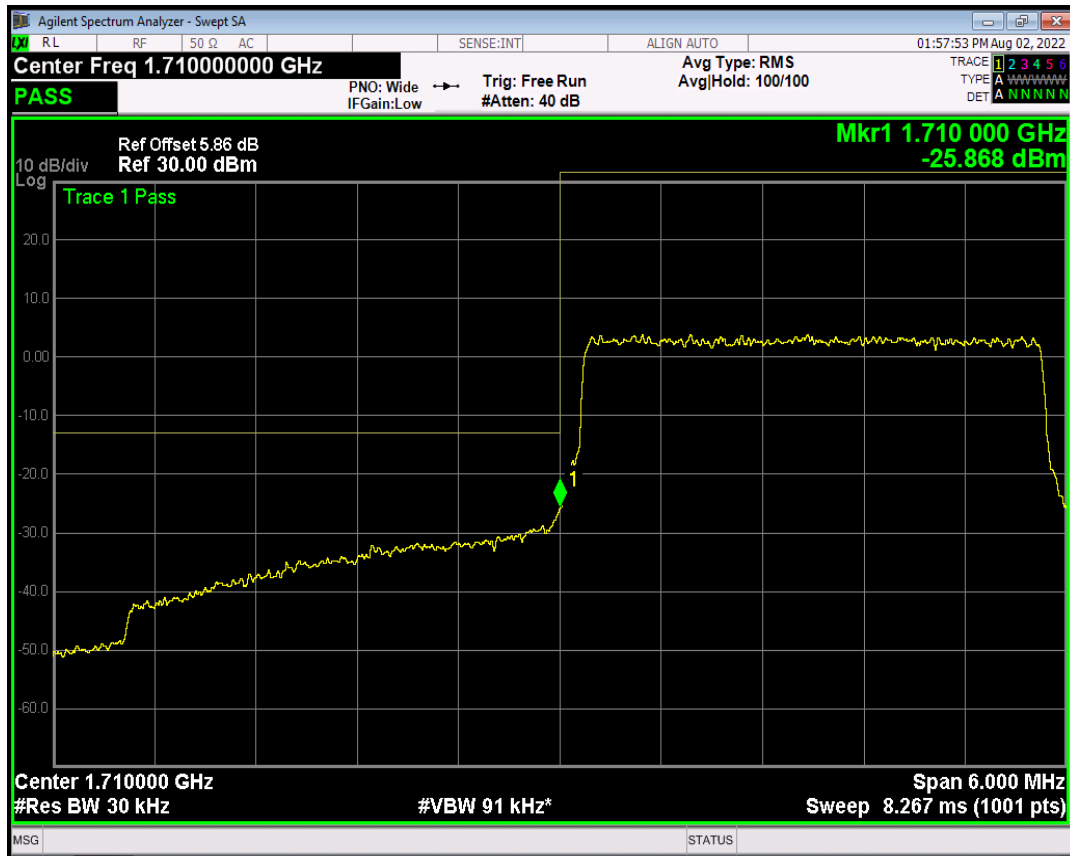


Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0

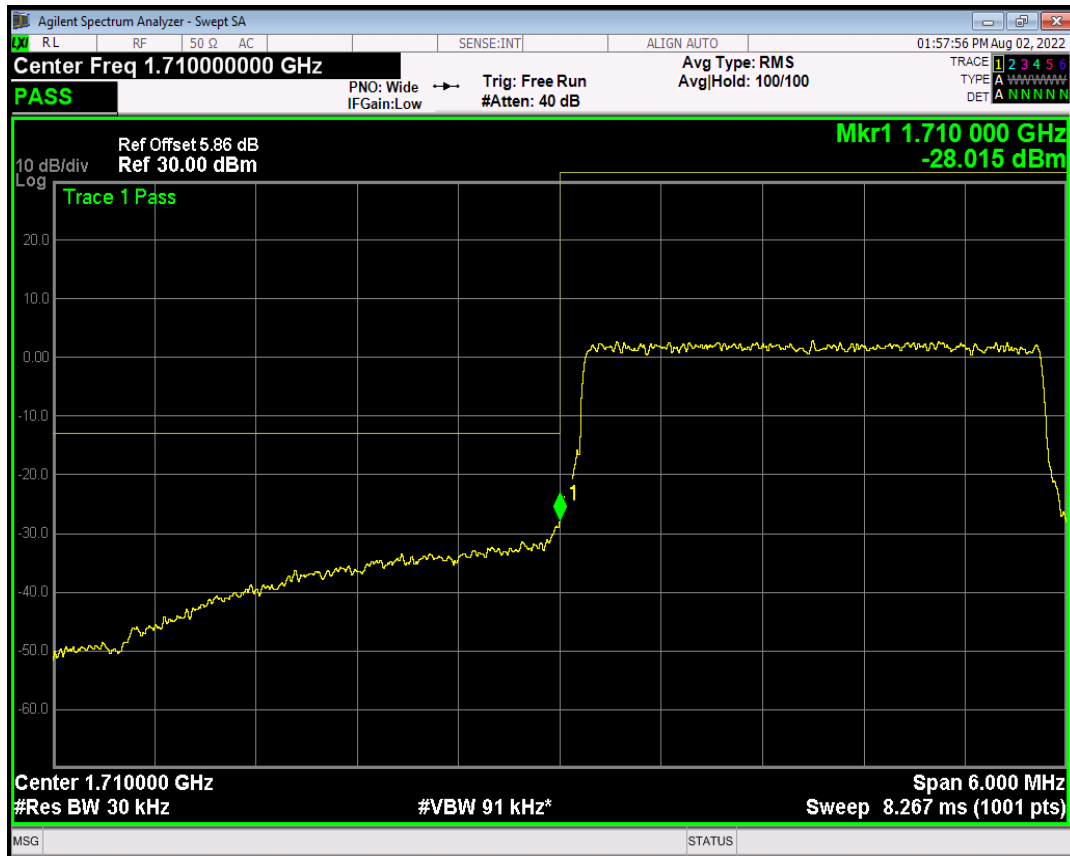




Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



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

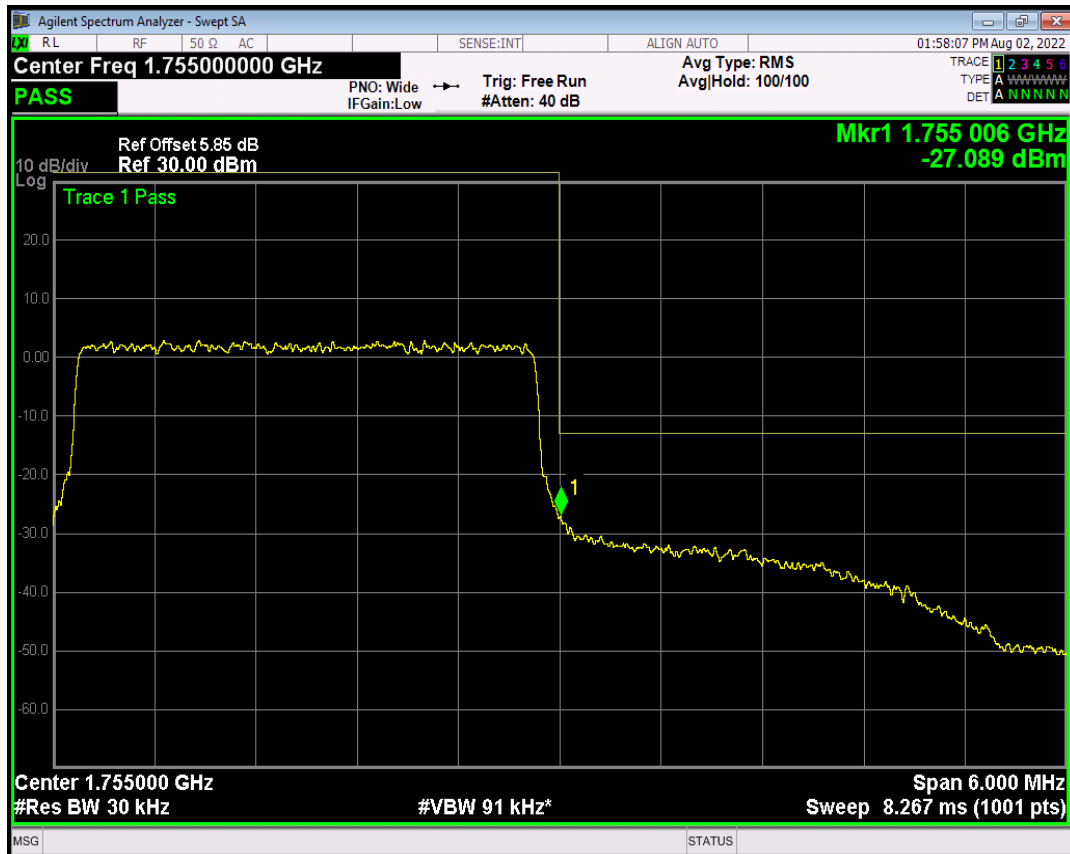




Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

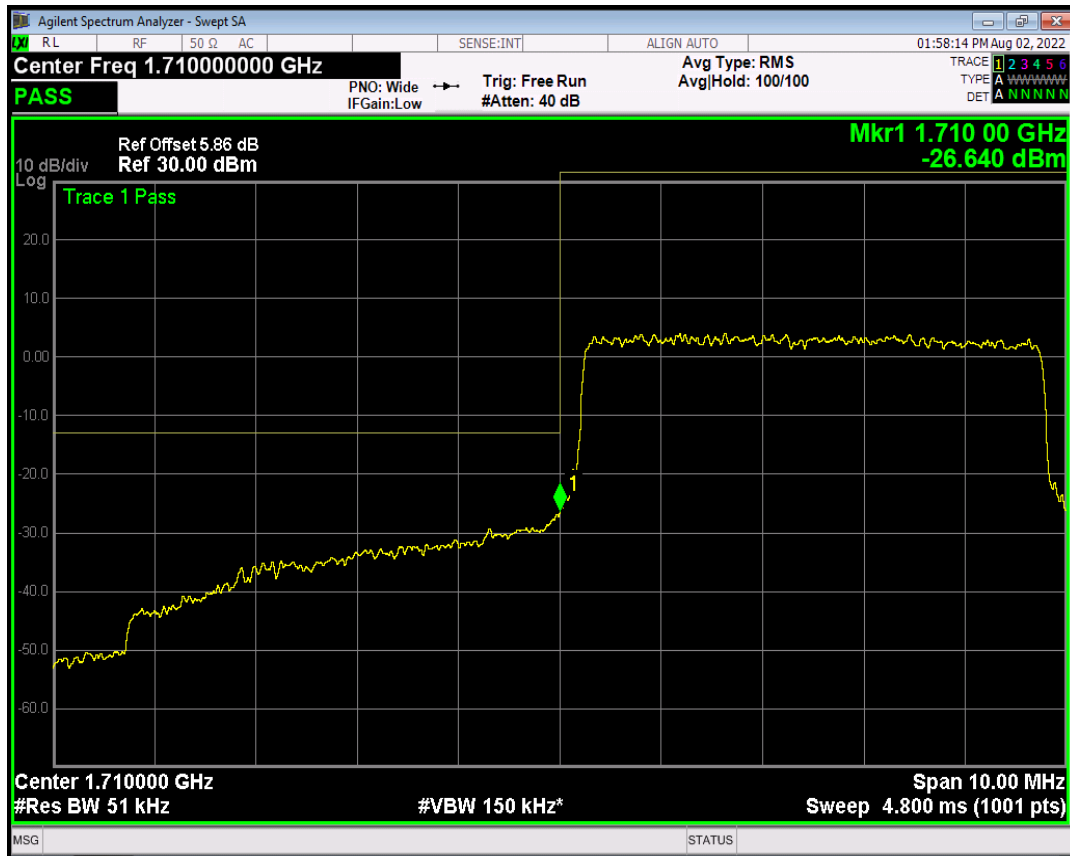


Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0

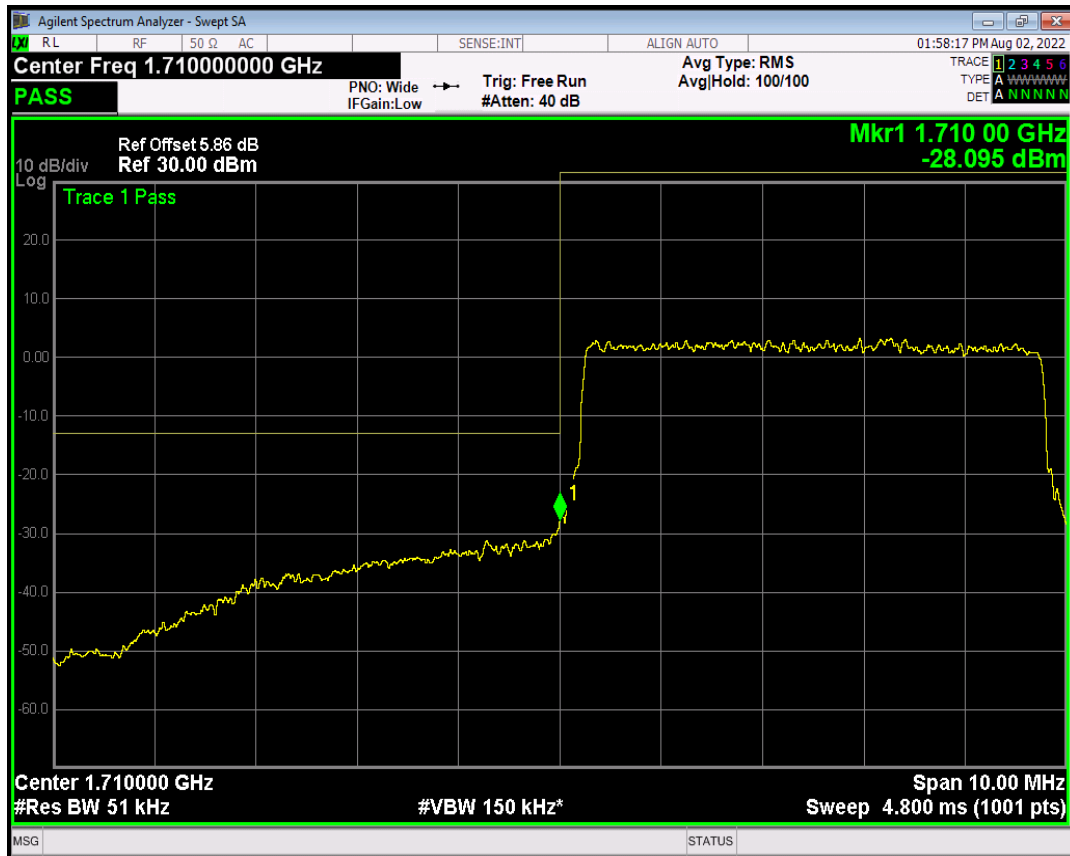




Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

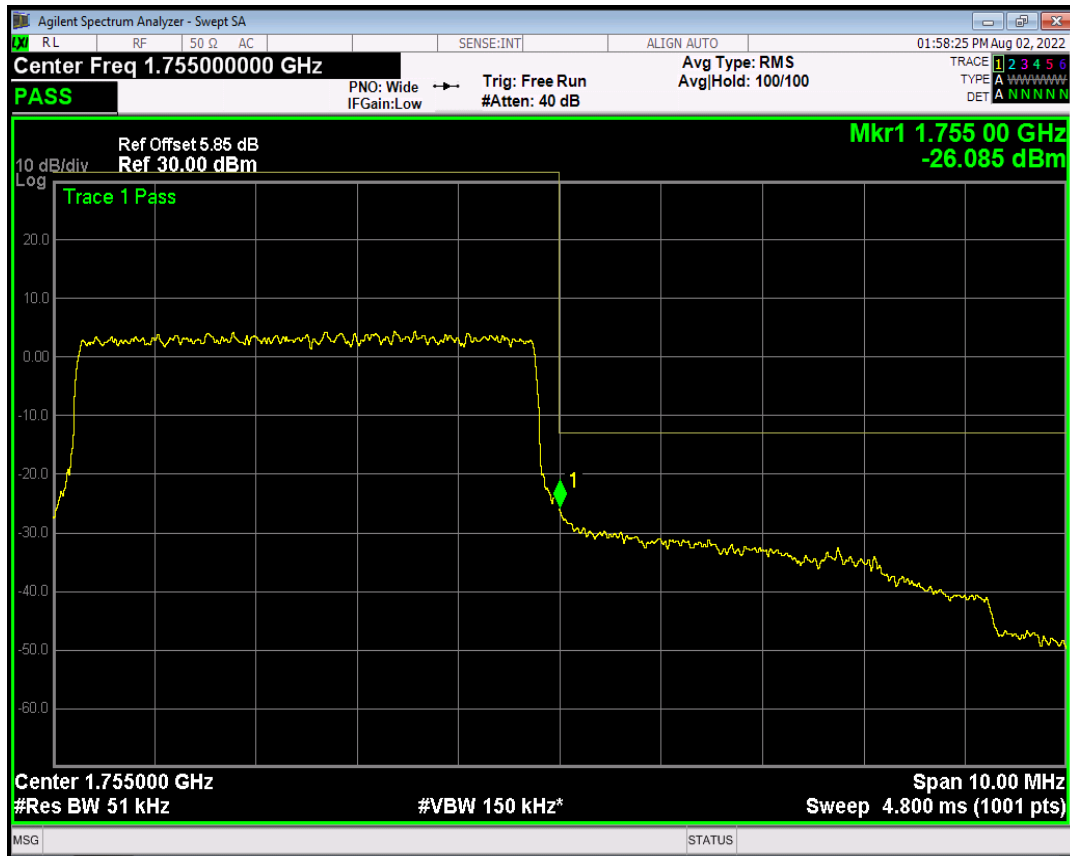


Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0

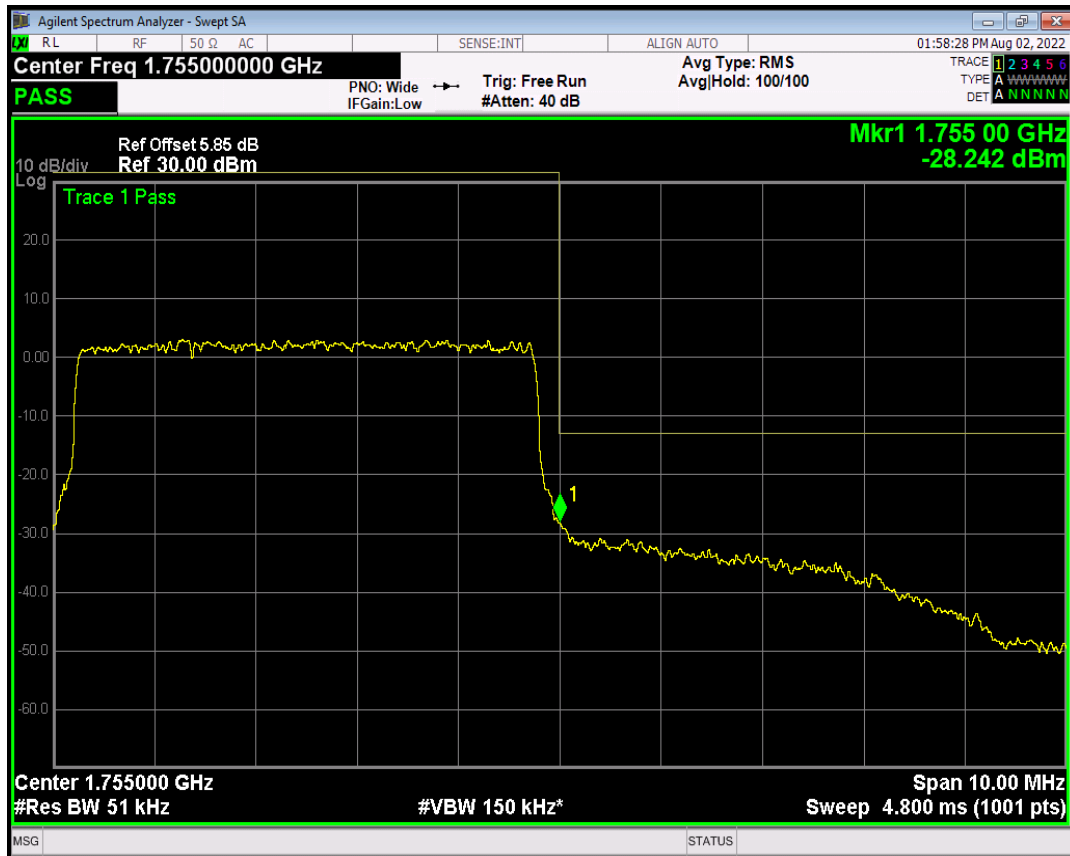




Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

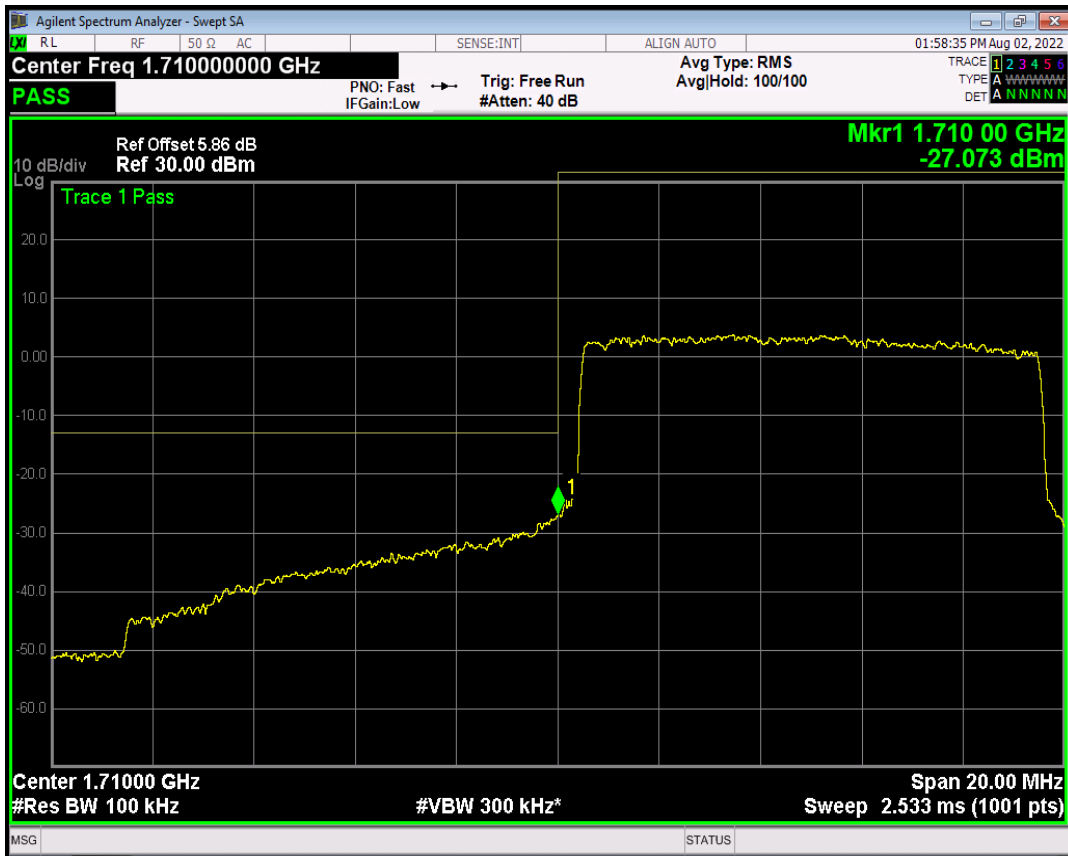


Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0

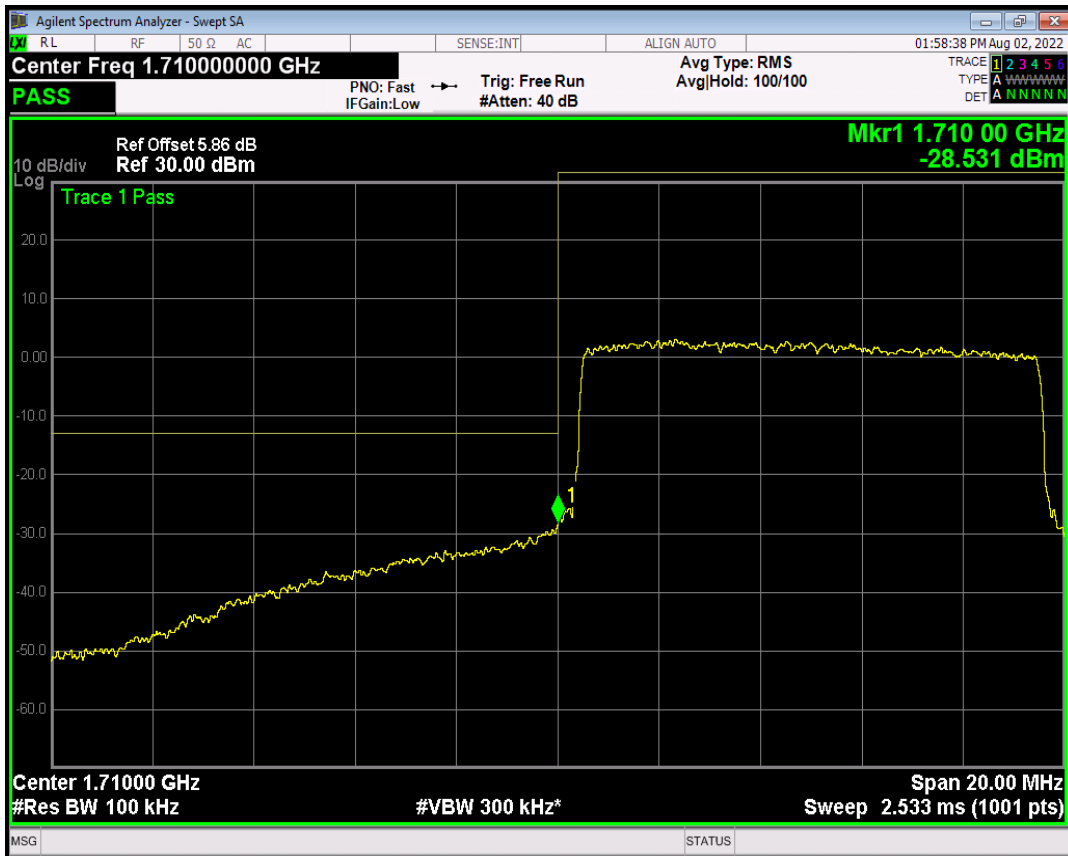




Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

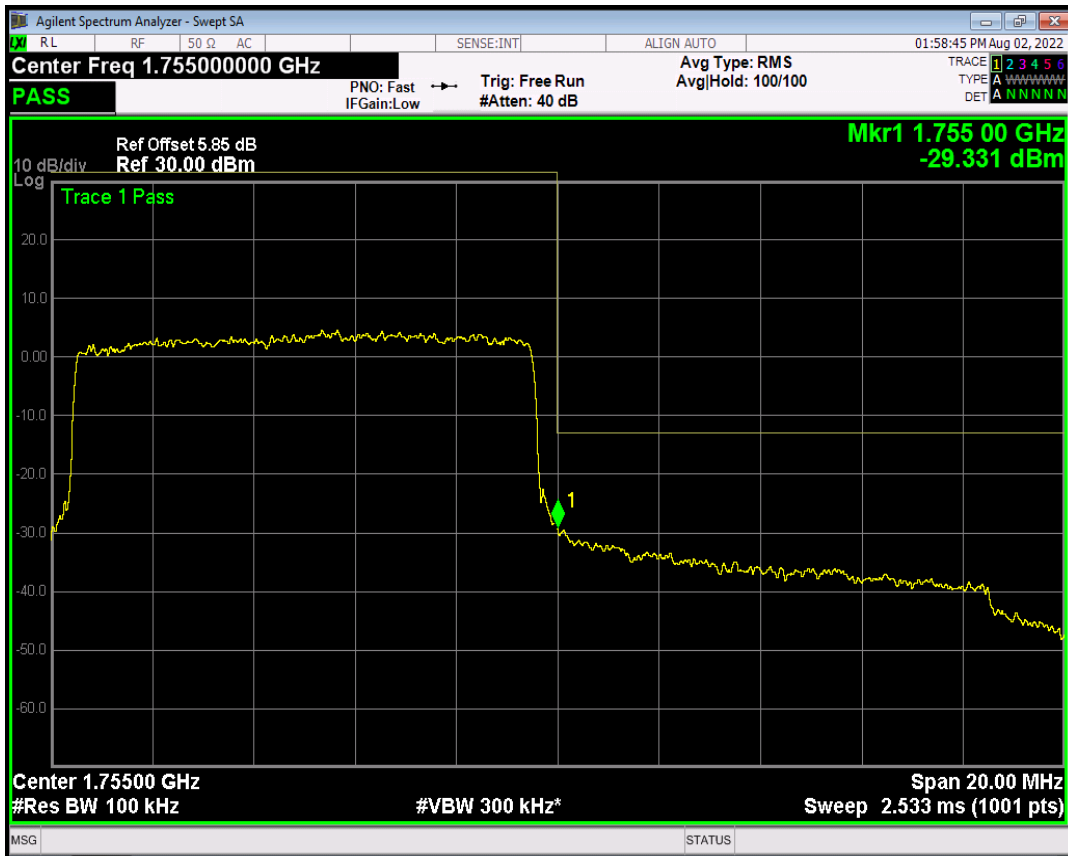


Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0





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

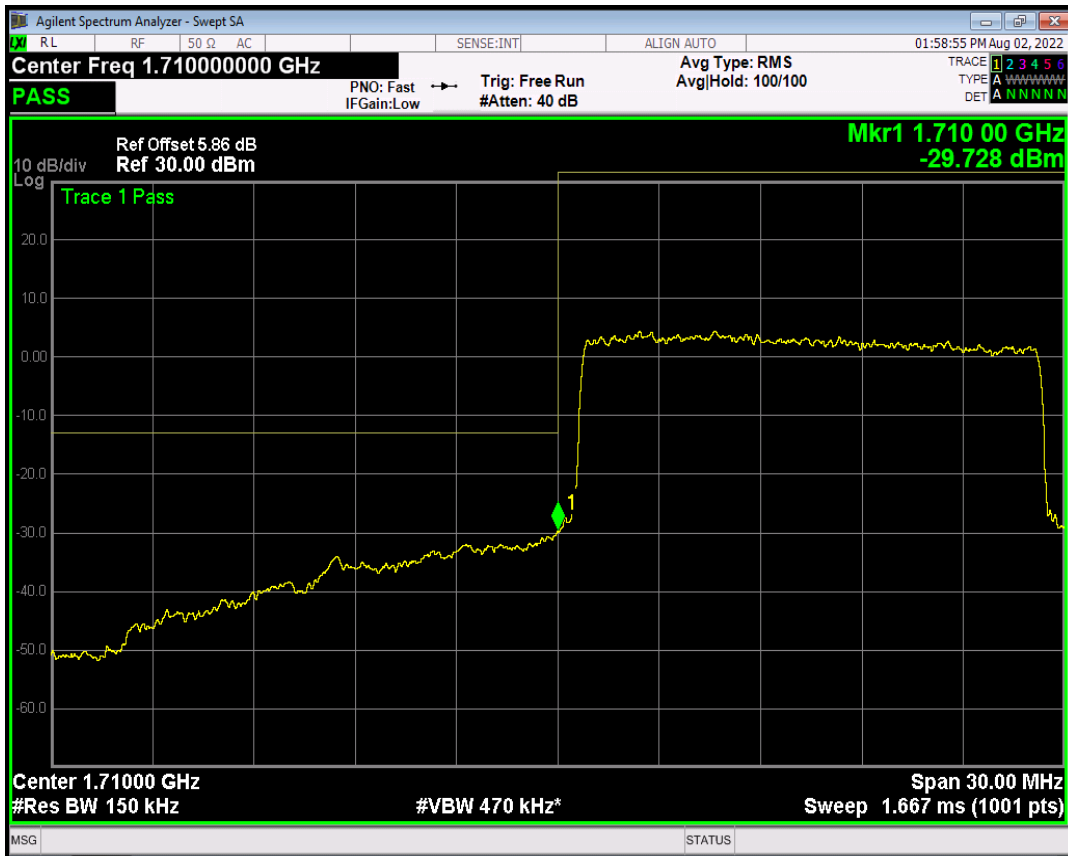


Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0

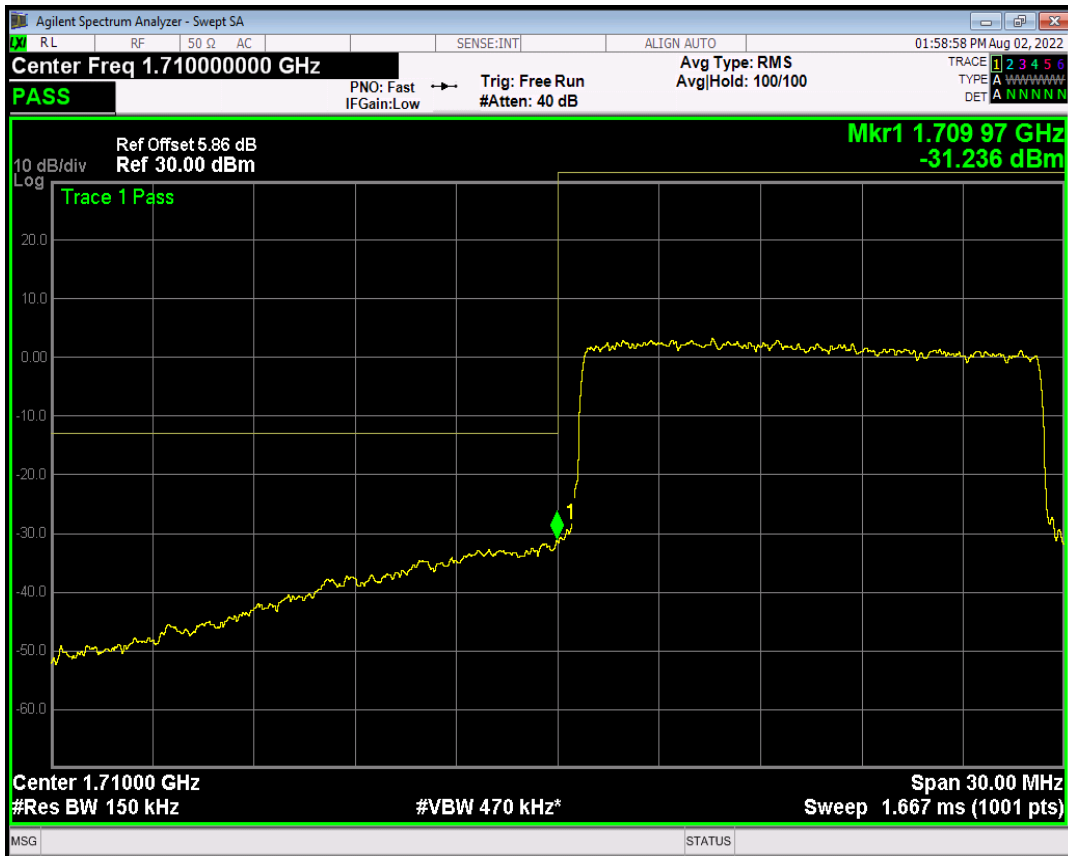




Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

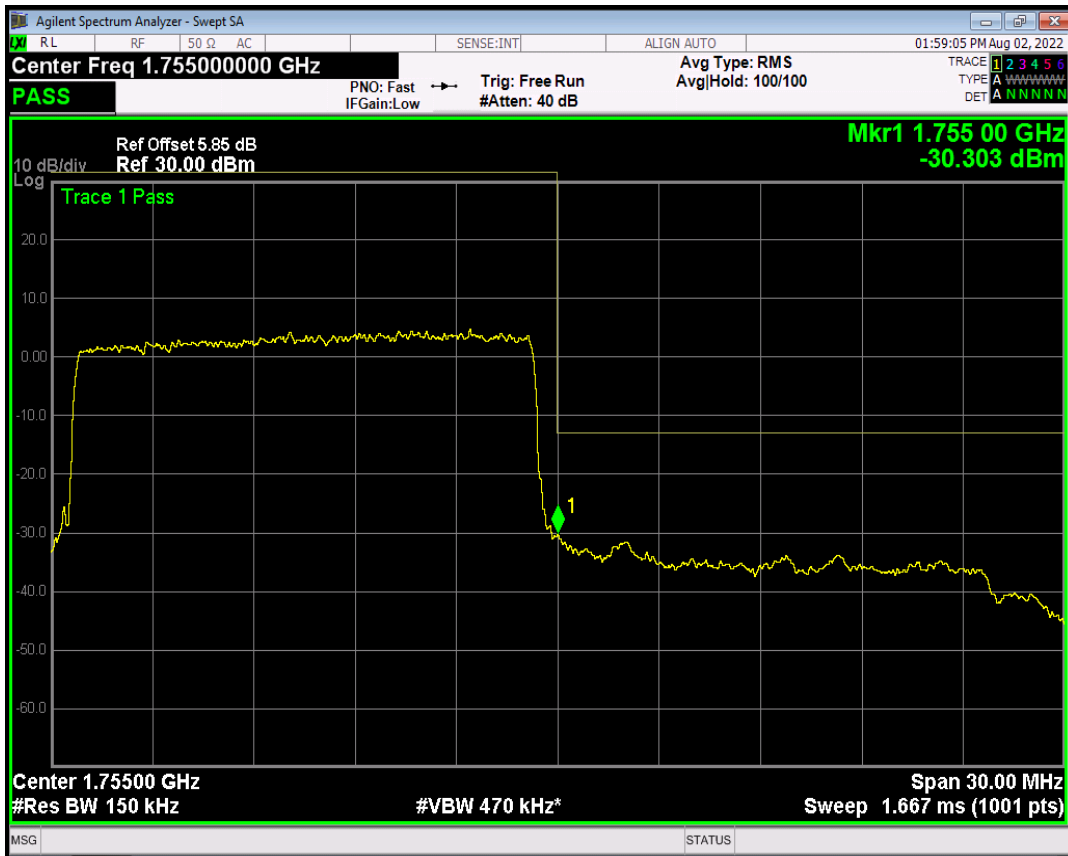


Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0





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

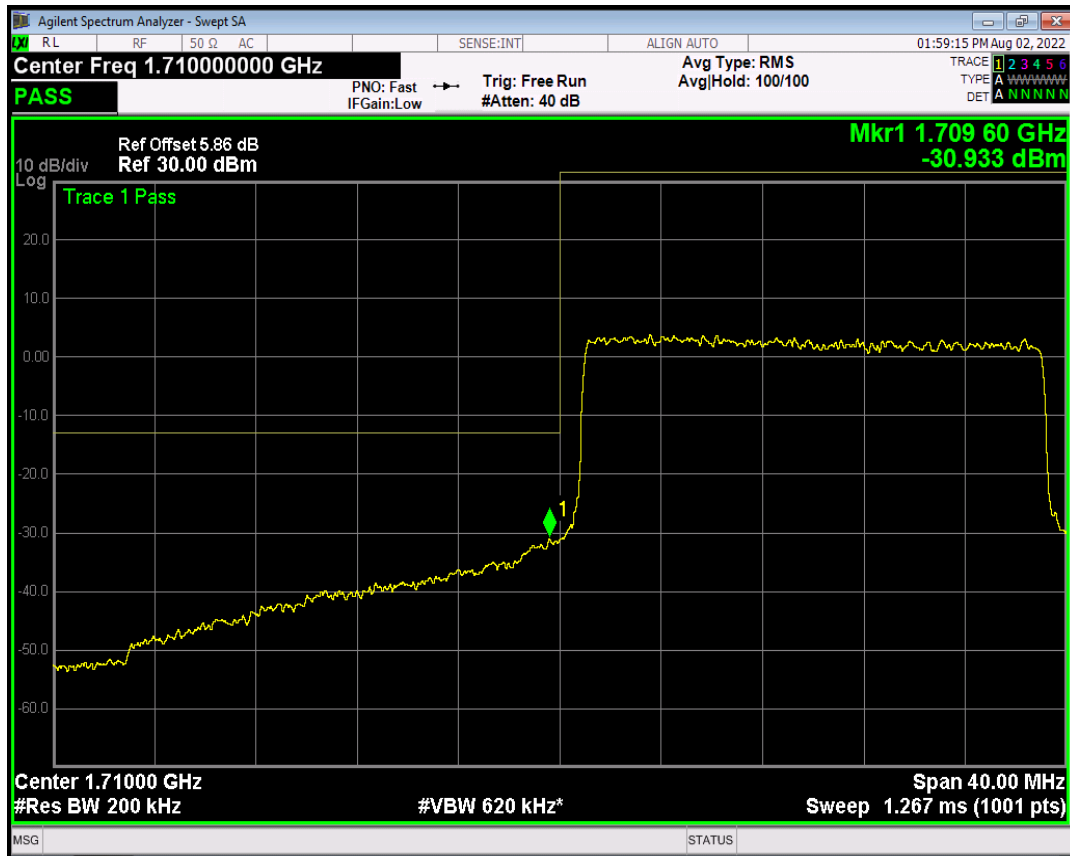


Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0

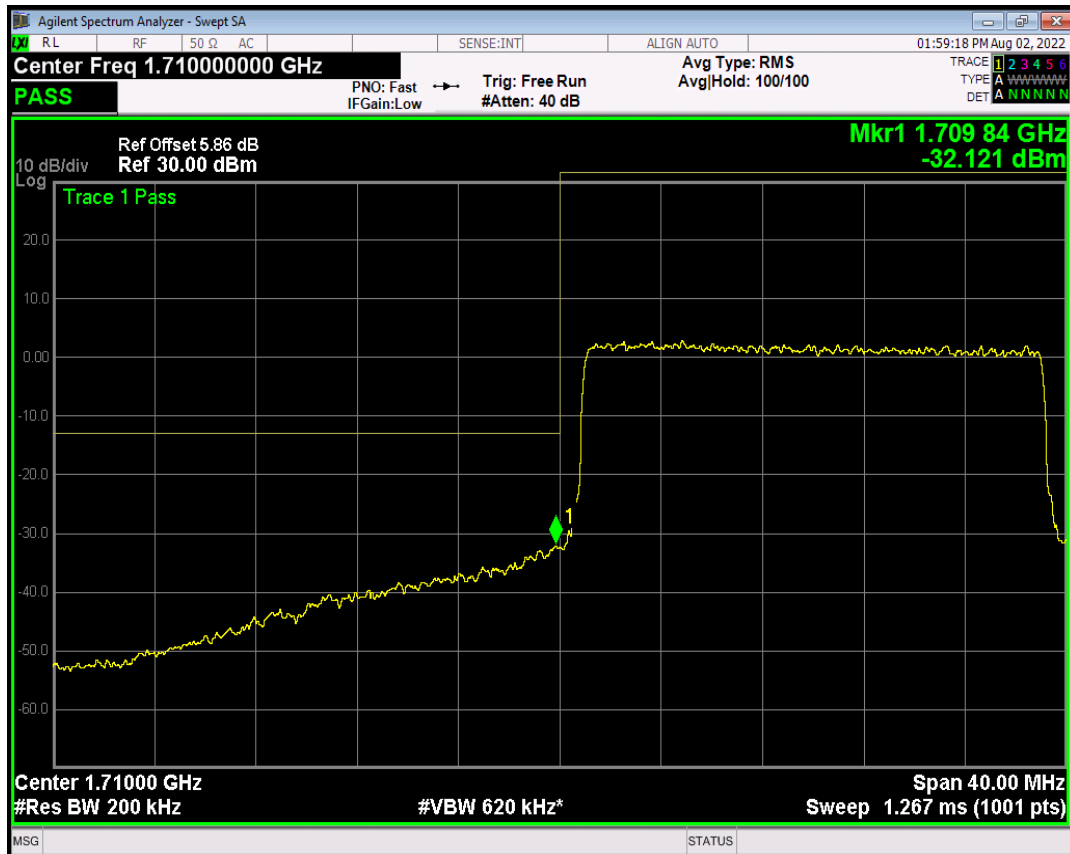




Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

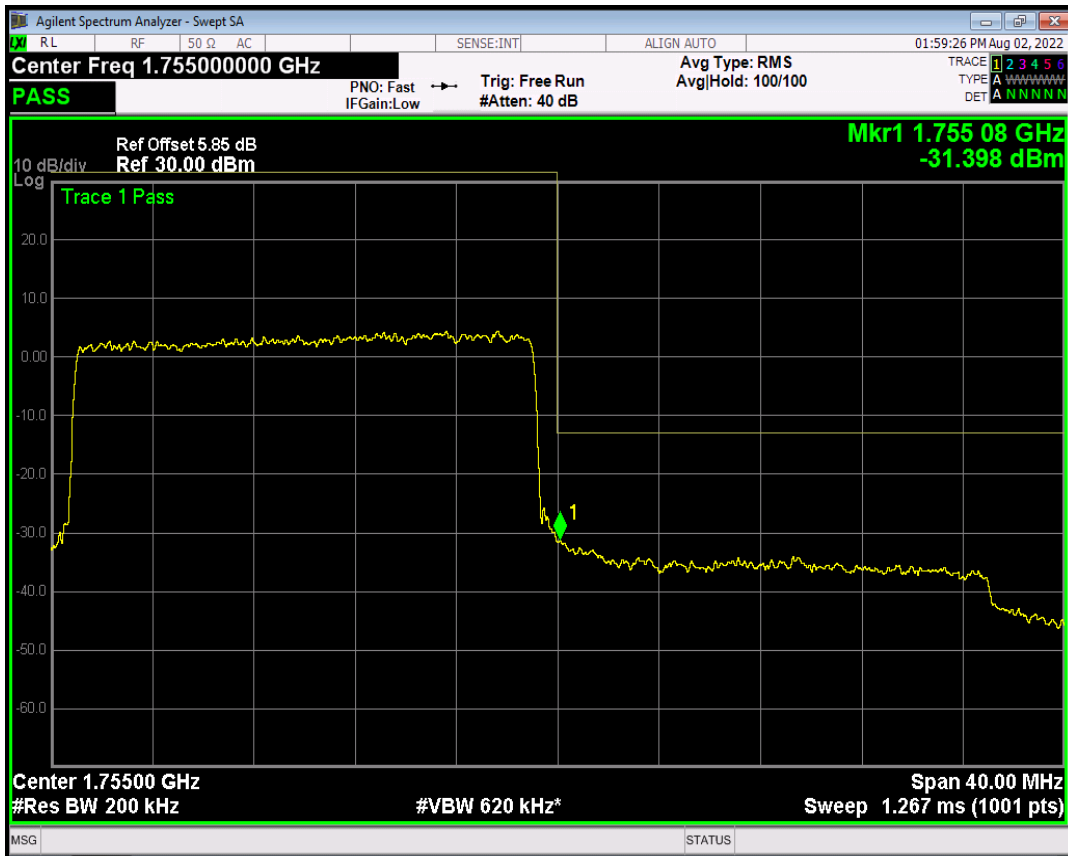


Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0

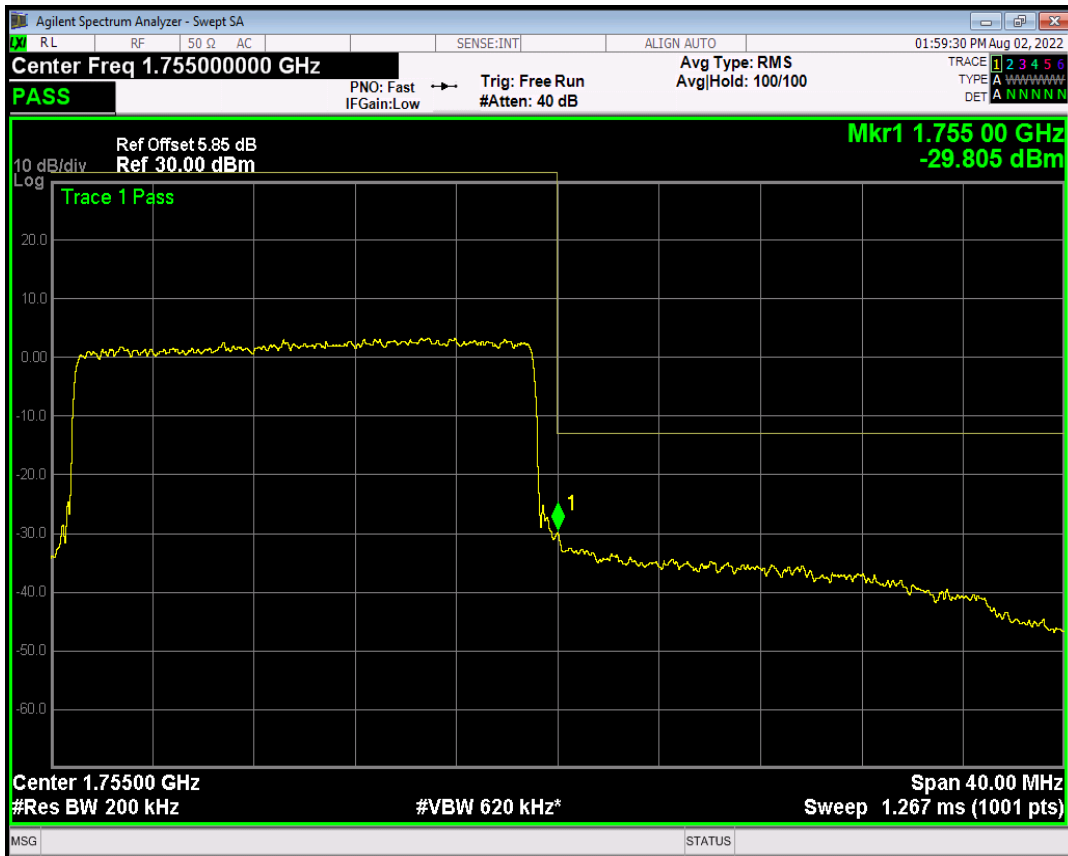




Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



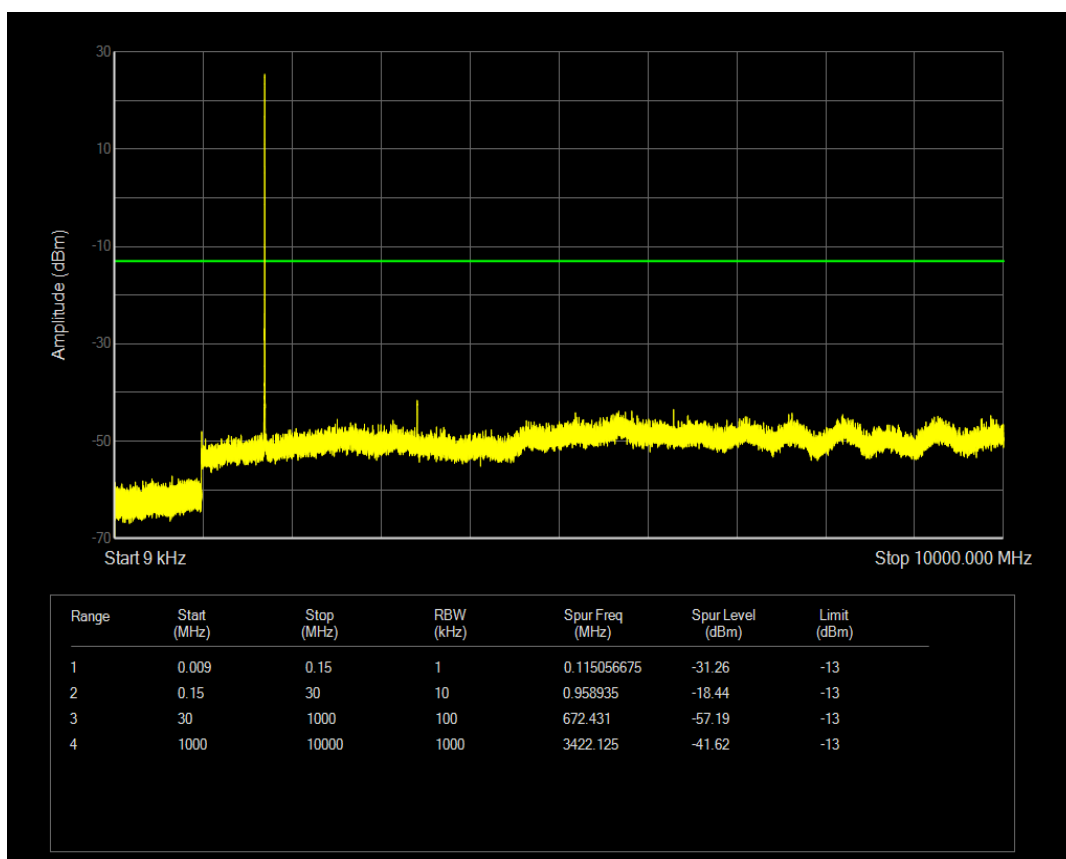
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0



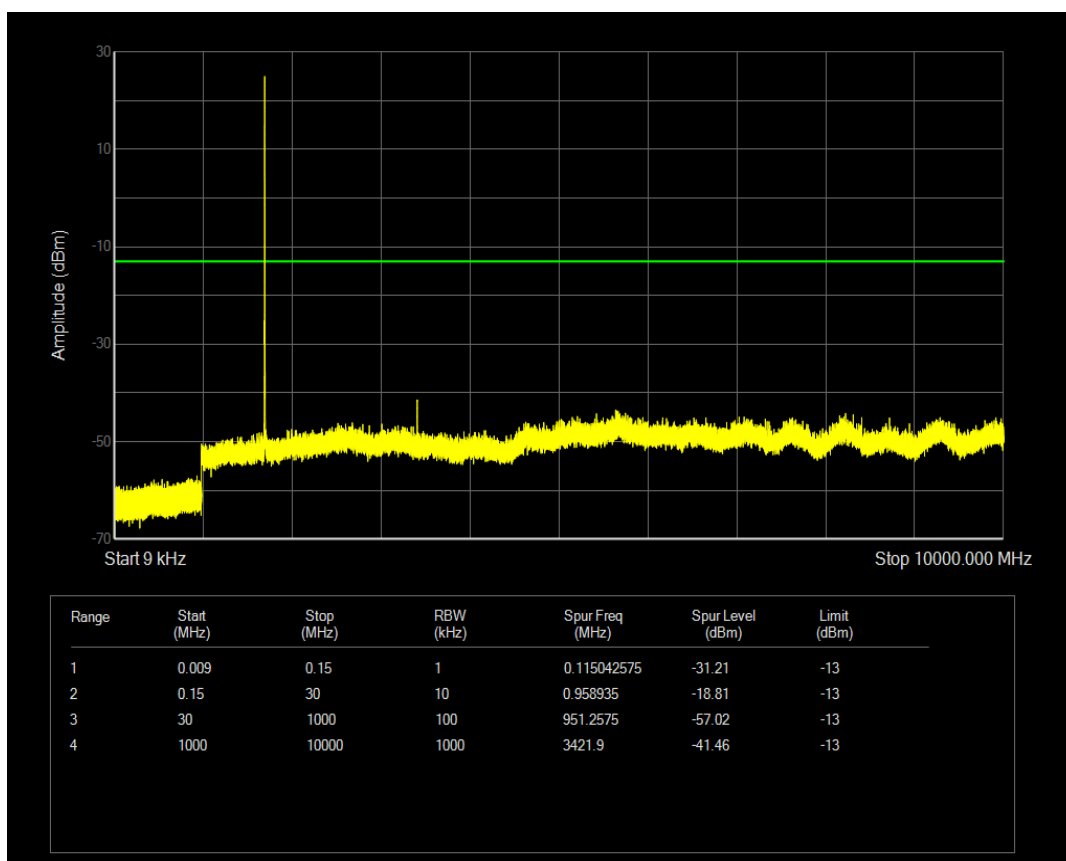
APPENDIX6. OUT-OF-BAND EMISSIONS

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	0.96	-18.44	-13	PASS
Band4	1.4	19957	6	#0	QAM16	0.96	-18.81	-13	PASS
Band4	1.4	20175	6	#0	QPSK	0.96	-18.67	-13	PASS
Band4	1.4	20175	6	#0	QAM16	0.96	-18.41	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1.04	-19.09	-13	PASS
Band4	1.4	20393	6	#0	QAM16	0.96	-19.12	-13	PASS
Band4	3	19965	15	#0	QPSK	0.96	-19.17	-13	PASS
Band4	3	19965	15	#0	QAM16	0.96	-19.31	-13	PASS
Band4	3	20175	15	#0	QPSK	0.96	-19.23	-13	PASS
Band4	3	20175	15	#0	QAM16	0.96	-19.44	-13	PASS
Band4	3	20385	15	#0	QPSK	0.96	-19.78	-13	PASS
Band4	3	20385	15	#0	QAM16	0.96	-19.70	-13	PASS
Band4	5	19975	25	#0	QPSK	0.96	-19.64	-13	PASS
Band4	5	19975	25	#0	QAM16	1.11	-19.50	-13	PASS
Band4	5	20175	25	#0	QPSK	0.96	-19.56	-13	PASS
Band4	5	20175	25	#0	QAM16	0.96	-19.60	-13	PASS
Band4	5	20375	25	#0	QPSK	0.96	-19.60	-13	PASS
Band4	5	20375	25	#0	QAM16	0.96	-19.78	-13	PASS
Band4	10	20000	50	#0	QPSK	0.96	-19.58	-13	PASS
Band4	10	20000	50	#0	QAM16	1.11	-19.53	-13	PASS
Band4	10	20175	50	#0	QPSK	0.96	-19.68	-13	PASS
Band4	10	20175	50	#0	QAM16	1.11	-19.73	-13	PASS
Band4	10	20350	50	#0	QPSK	0.96	-19.66	-13	PASS
Band4	10	20350	50	#0	QAM16	0.96	-19.61	-13	PASS
Band4	15	20025	75	#0	QPSK	0.96	-19.41	-13	PASS
Band4	15	20025	75	#0	QAM16	0.96	-19.46	-13	PASS
Band4	15	20175	75	#0	QPSK	0.96	-19.32	-13	PASS
Band4	15	20175	75	#0	QAM16	0.96	-19.66	-13	PASS
Band4	15	20325	75	#0	QPSK	0.96	-19.26	-13	PASS
Band4	15	20325	75	#0	QAM16	0.96	-19.32	-13	PASS
Band4	20	20050	100	#0	QPSK	0.96	-19.26	-13	PASS
Band4	20	20050	100	#0	QAM16	0.96	-19.20	-13	PASS
Band4	20	20175	100	#0	QPSK	0.96	-19.14	-13	PASS
Band4	20	20175	100	#0	QAM16	0.96	-19.60	-13	PASS
Band4	20	20300	100	#0	QPSK	0.96	-19.24	-13	PASS
Band4	20	20300	100	#0	QAM16	0.96	-19.18	-13	PASS

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

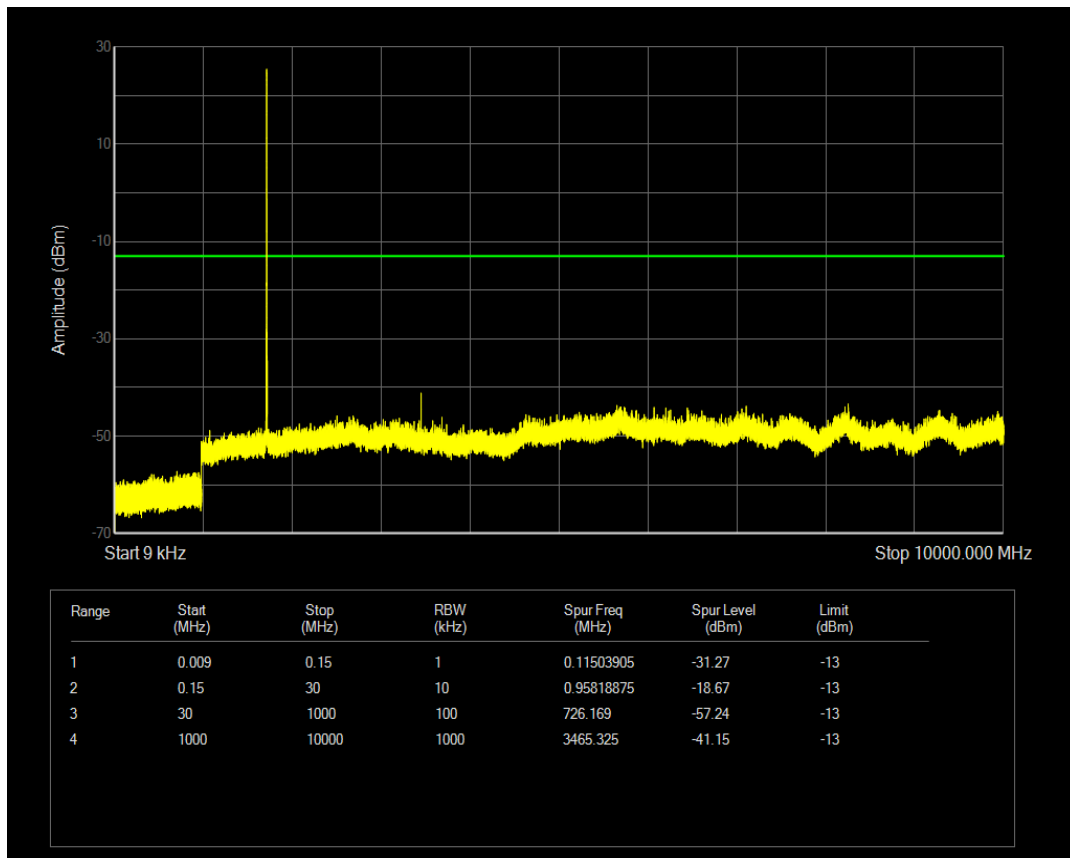


Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0

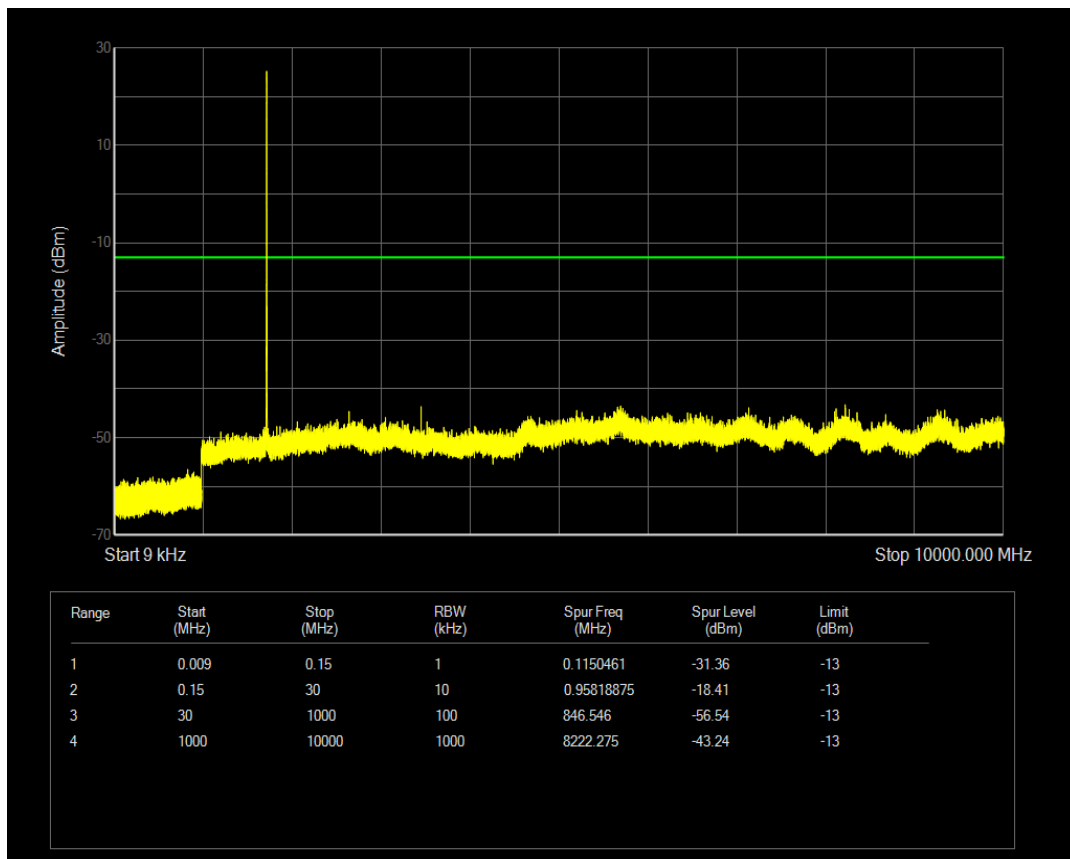




Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

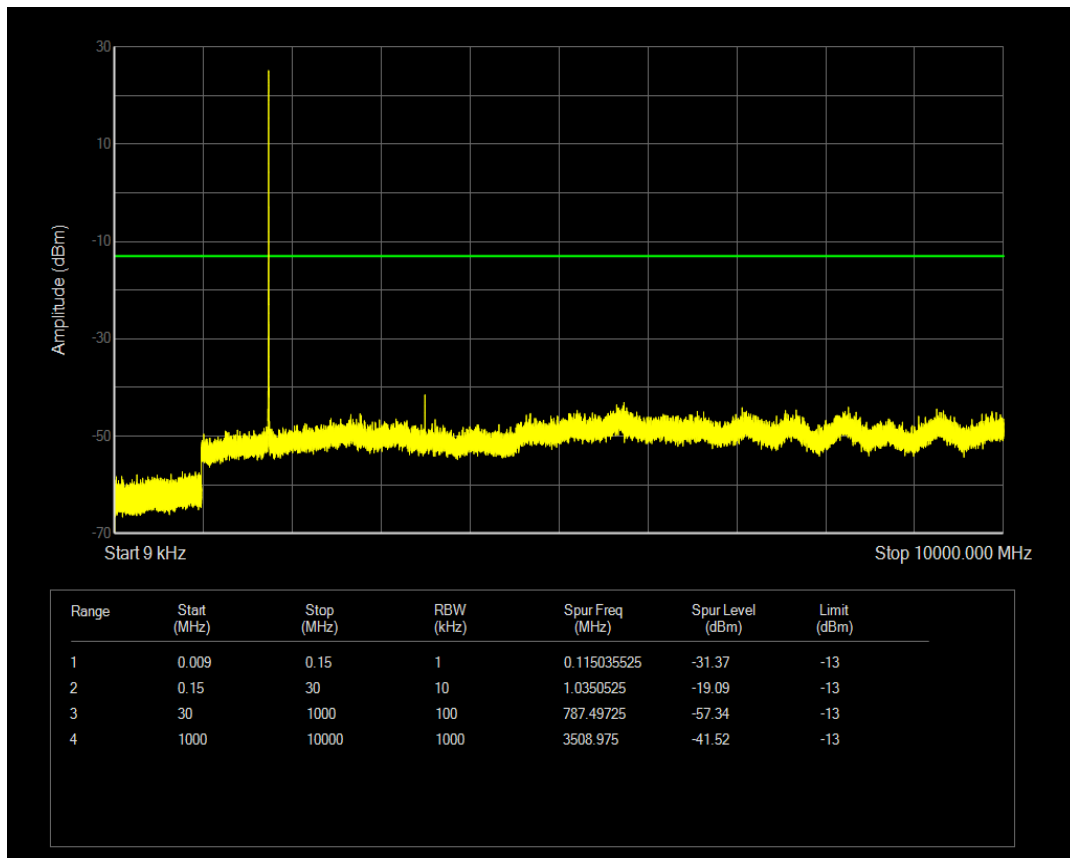


Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0

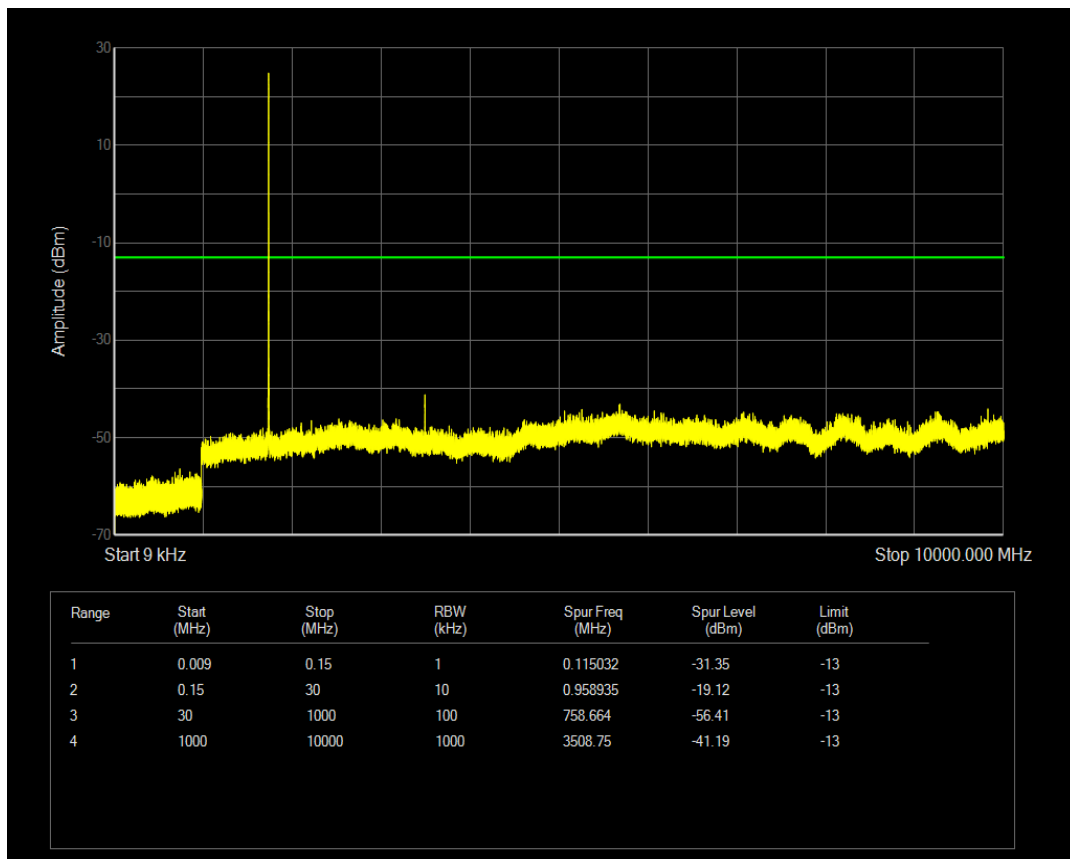




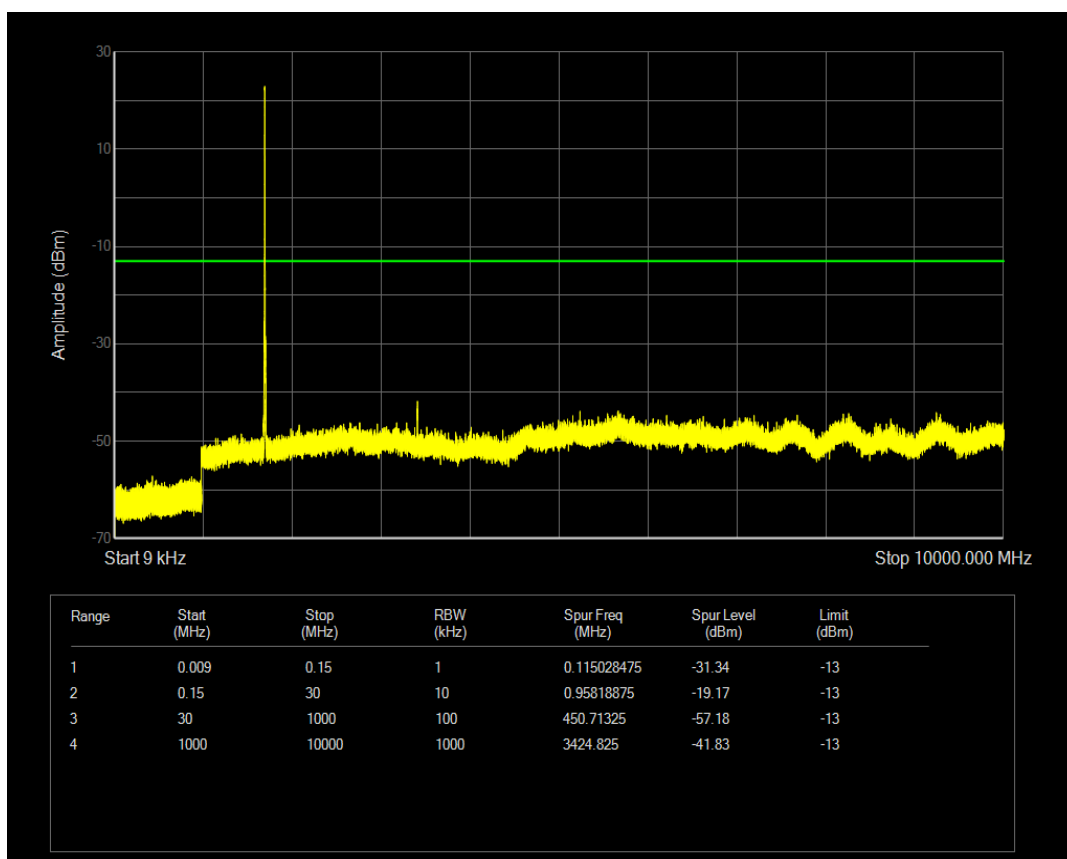
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



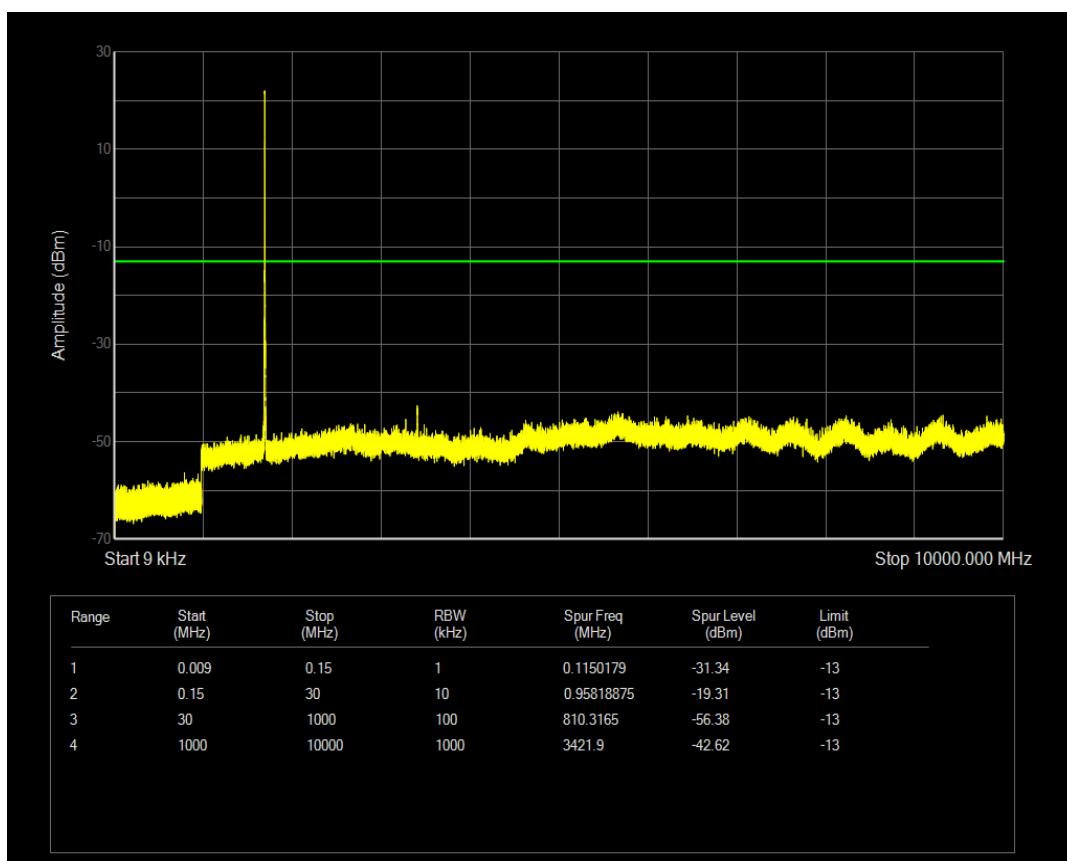
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



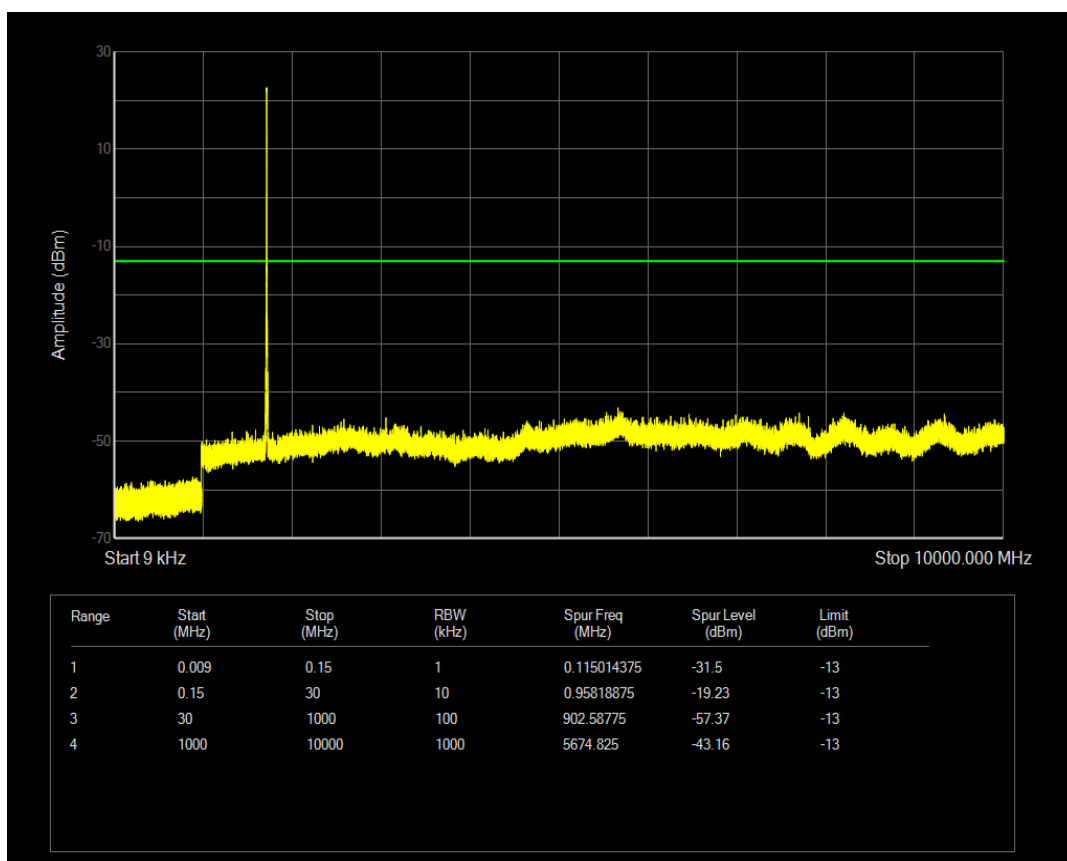
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



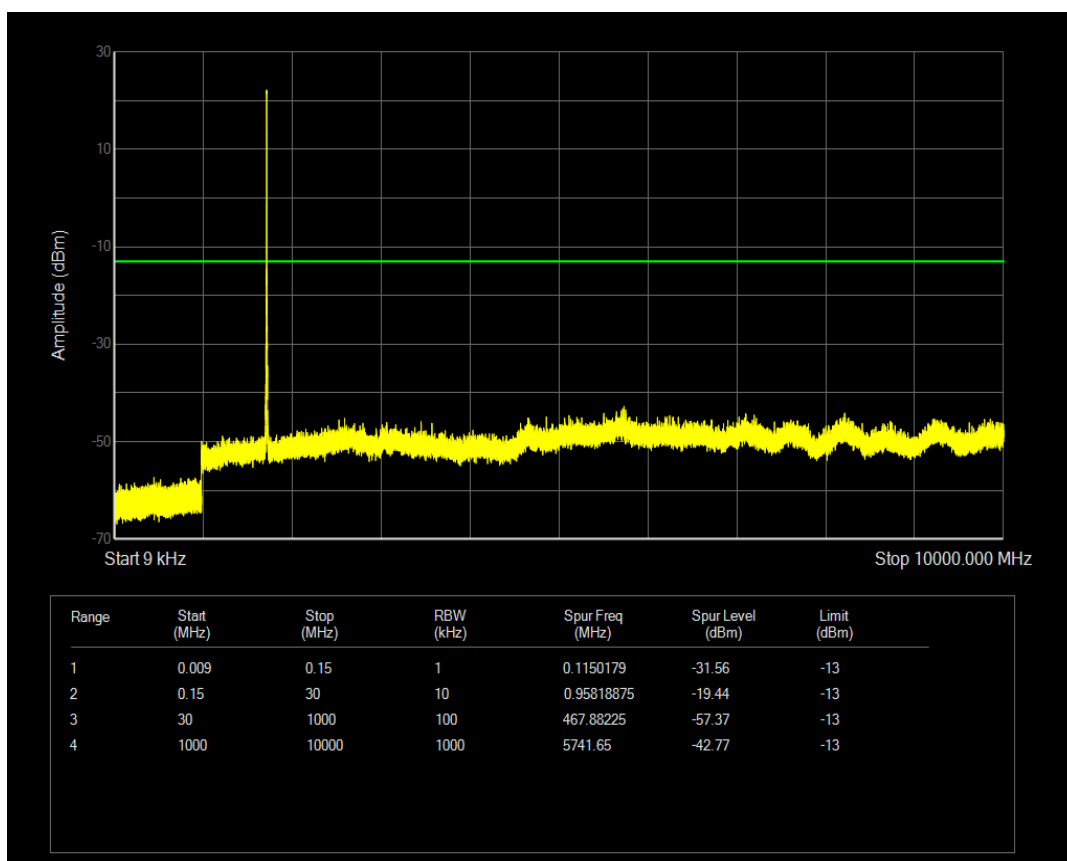
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



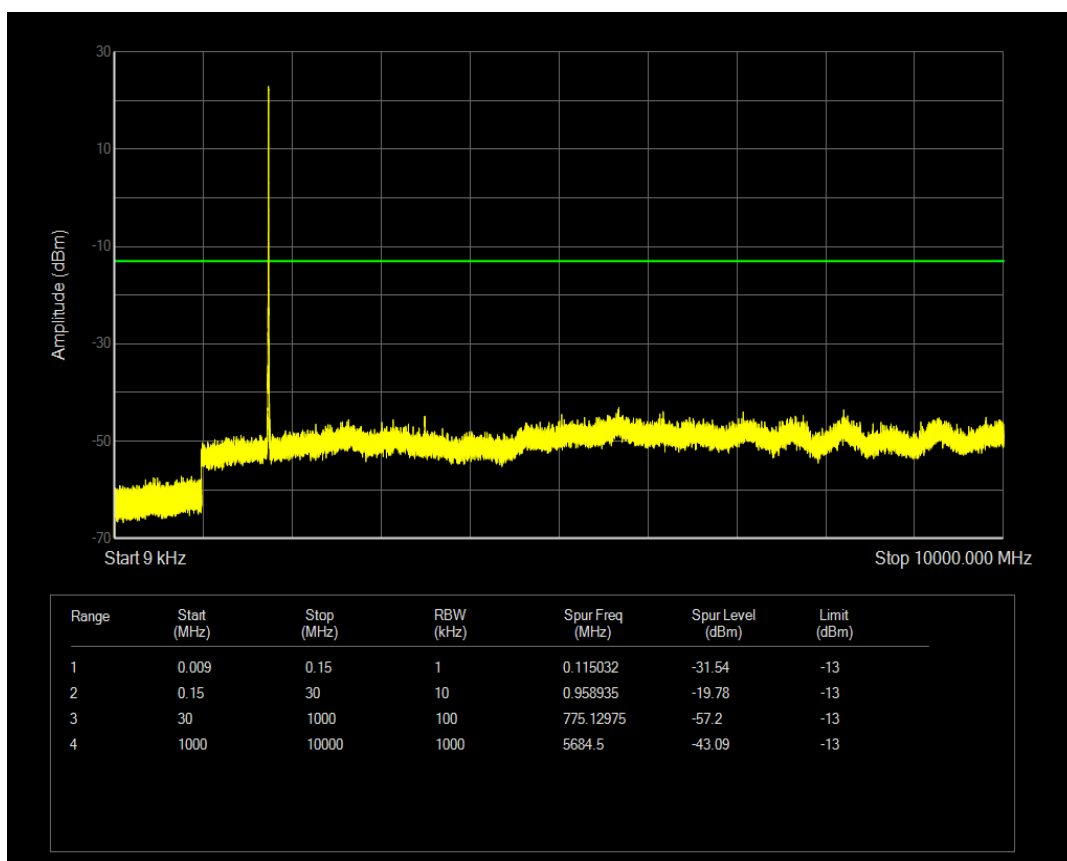
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



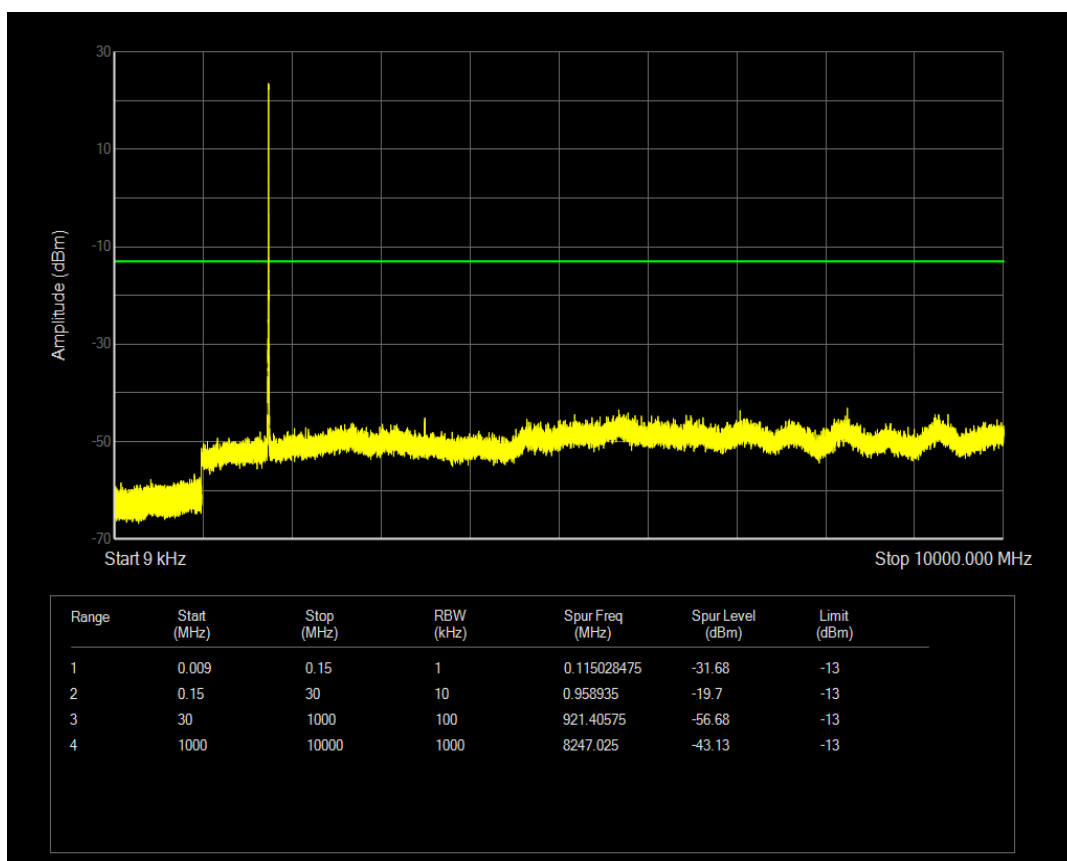
Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0



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

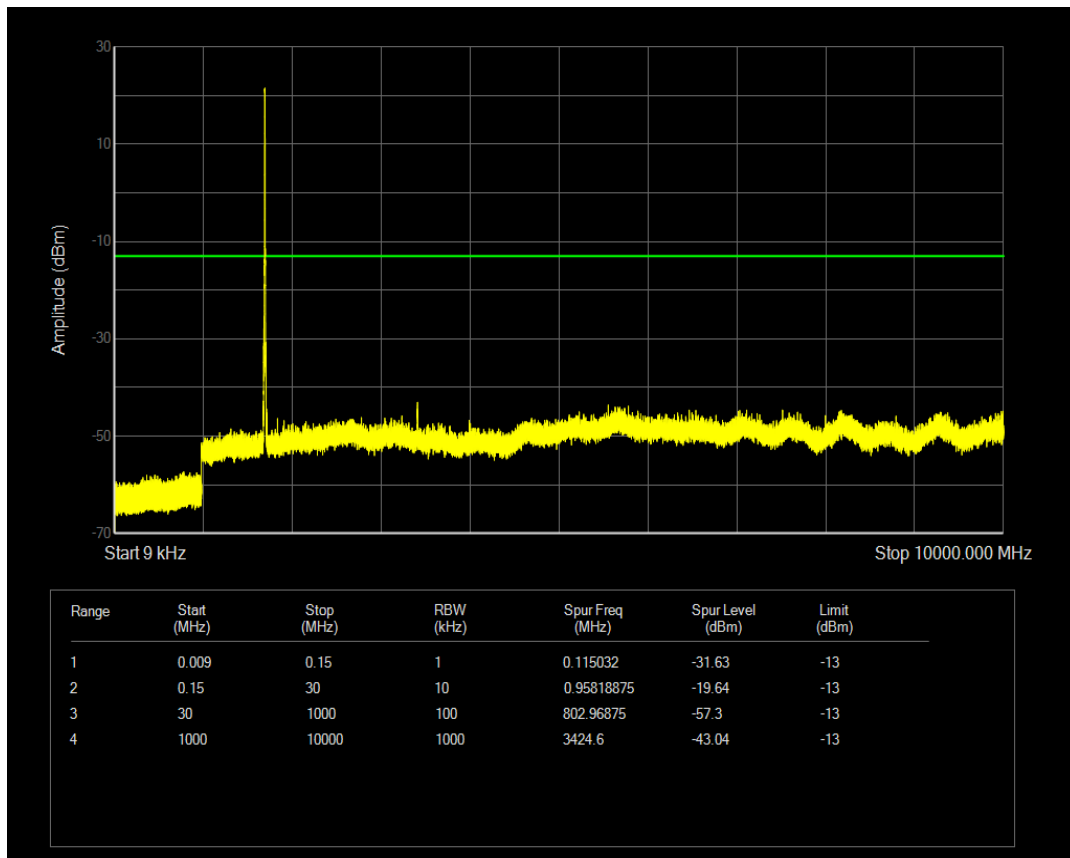


Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0

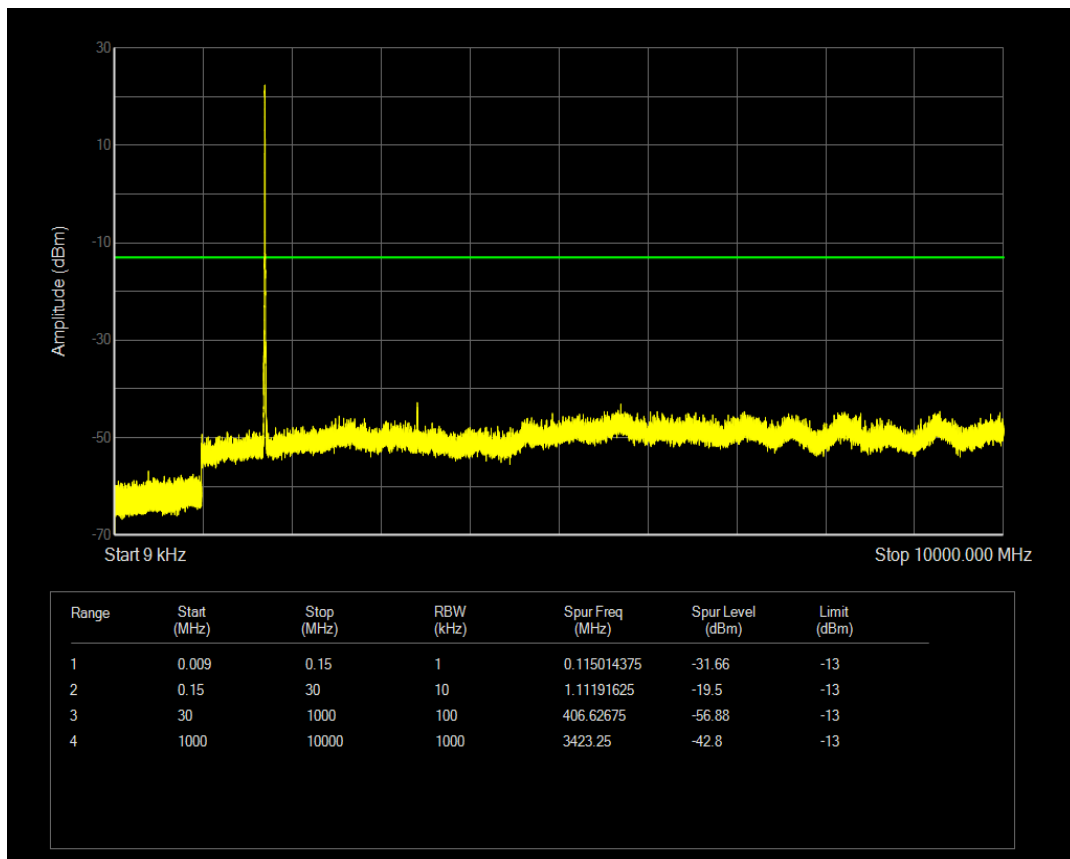




Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

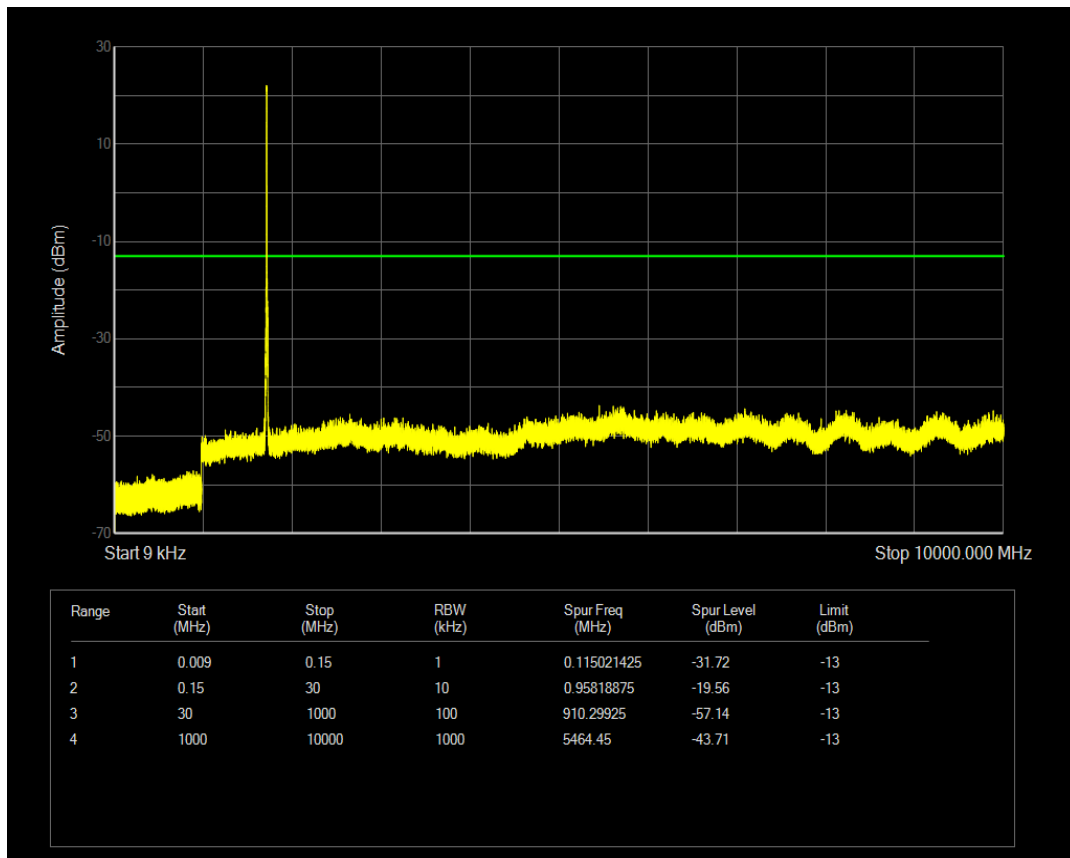


Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0

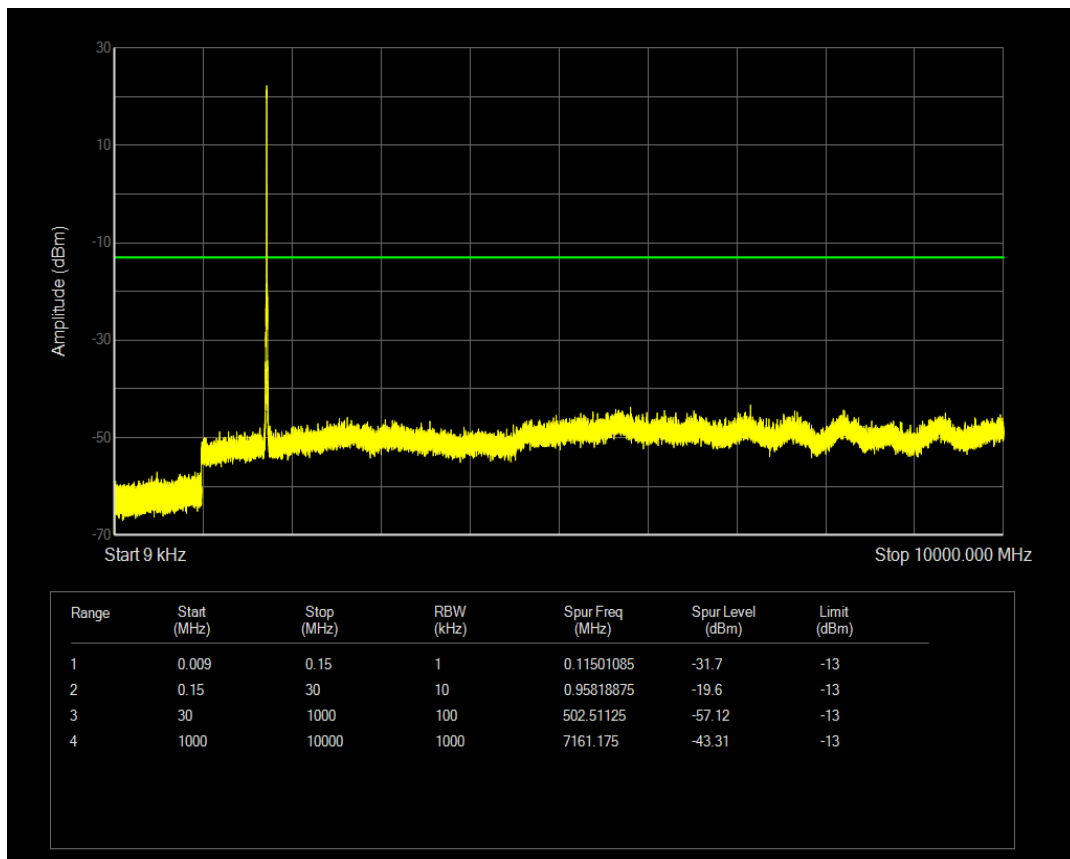




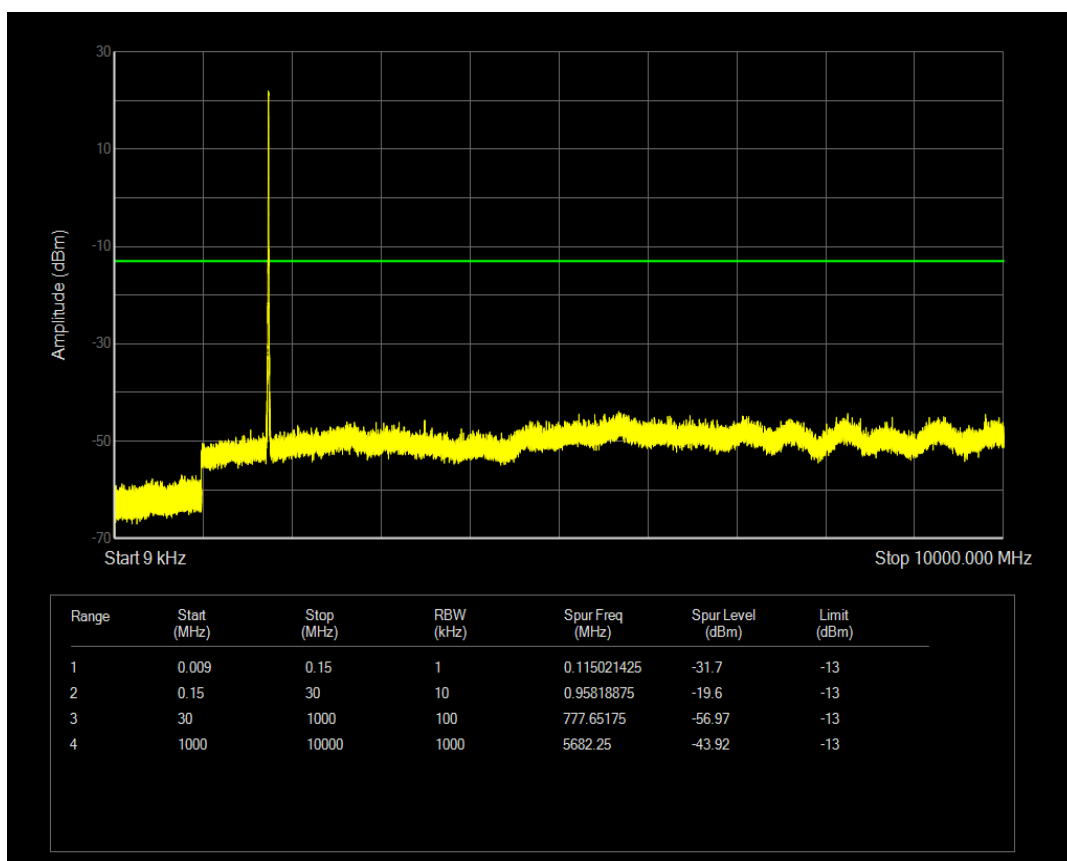
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



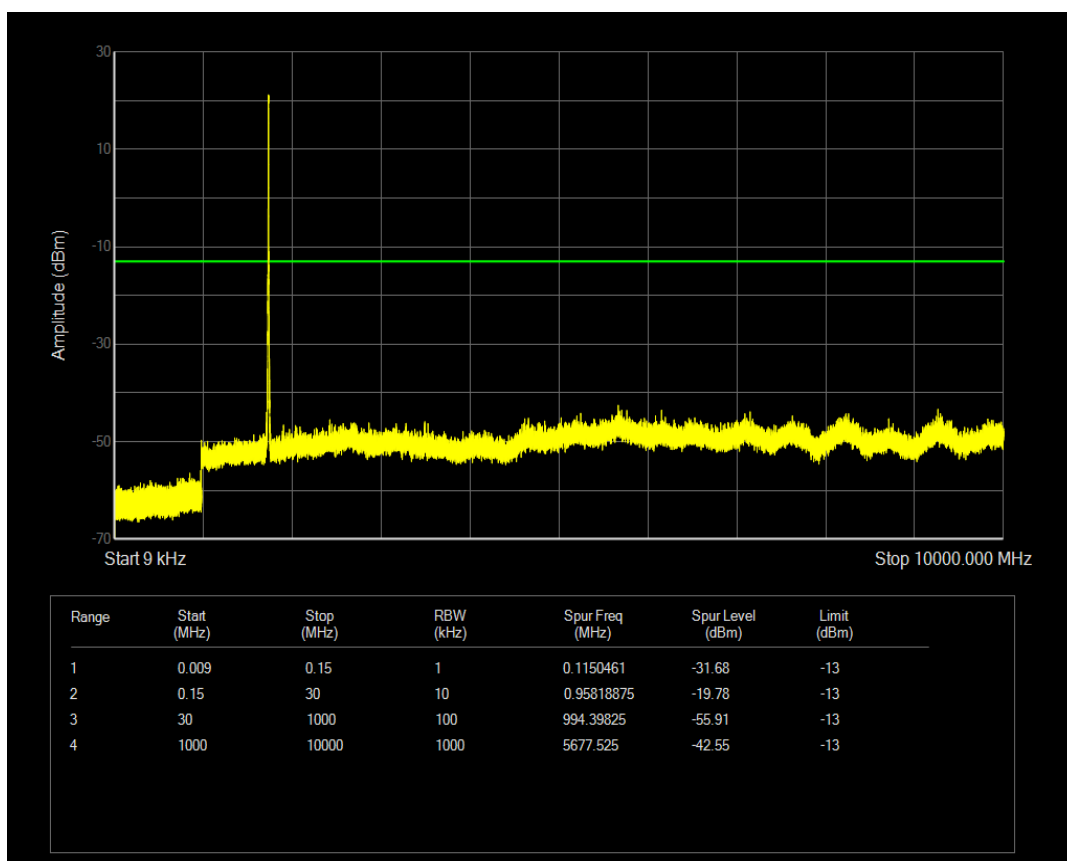
Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0



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

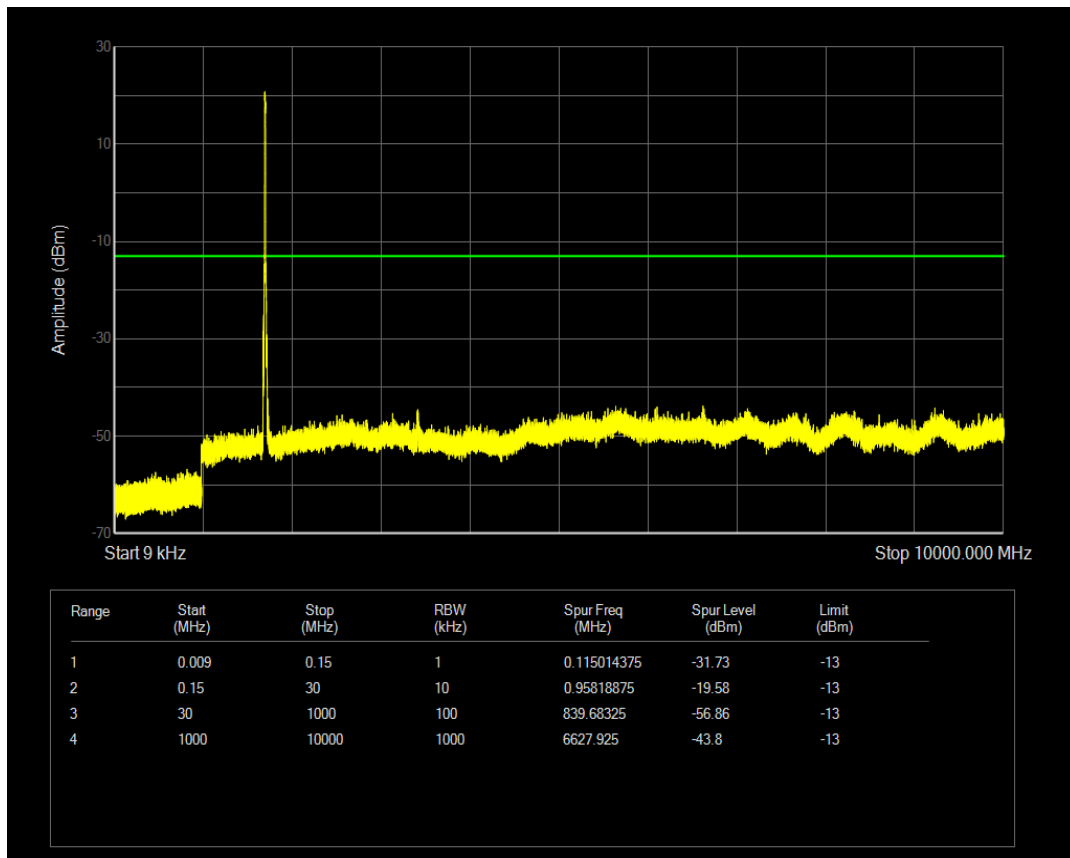


Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0

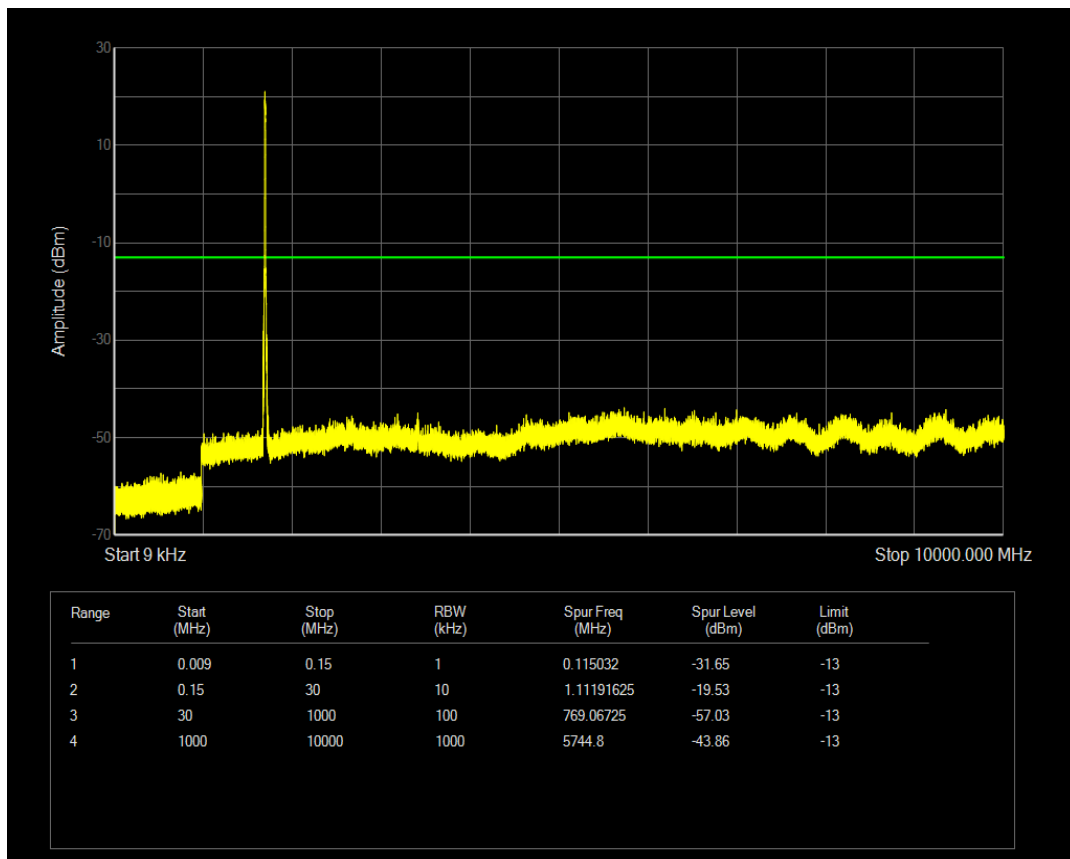




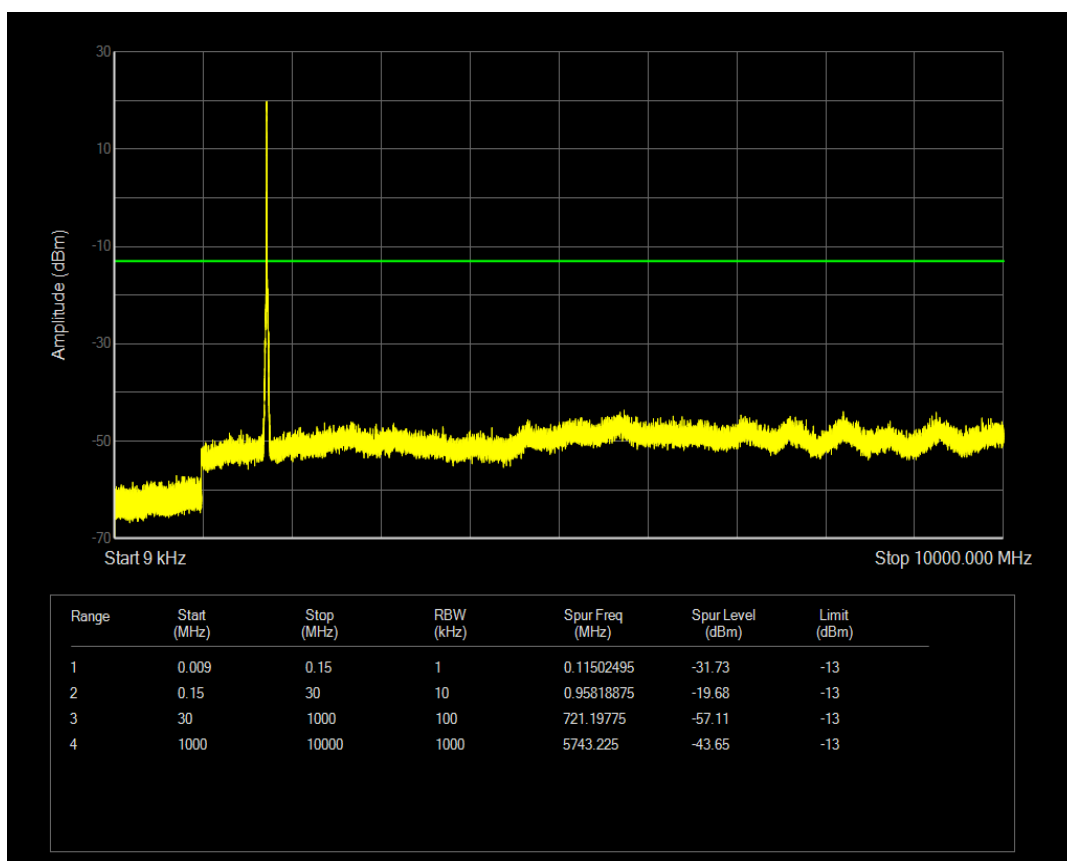
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



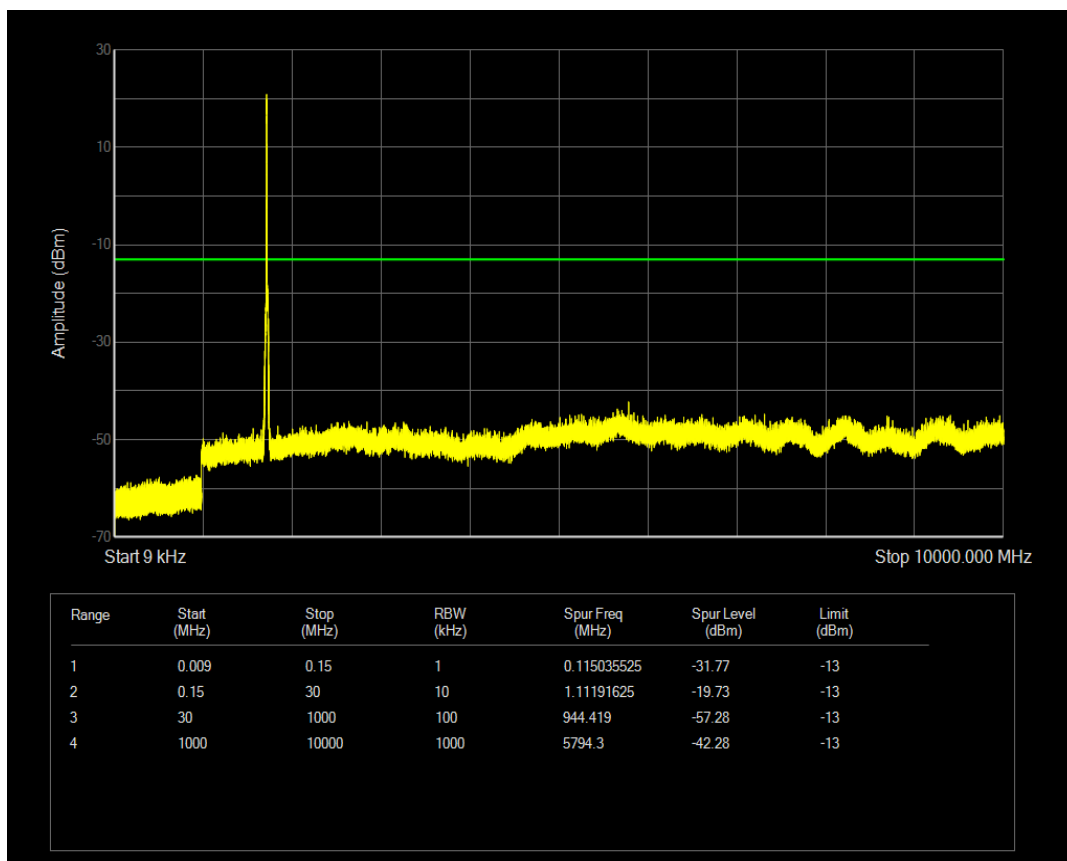
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



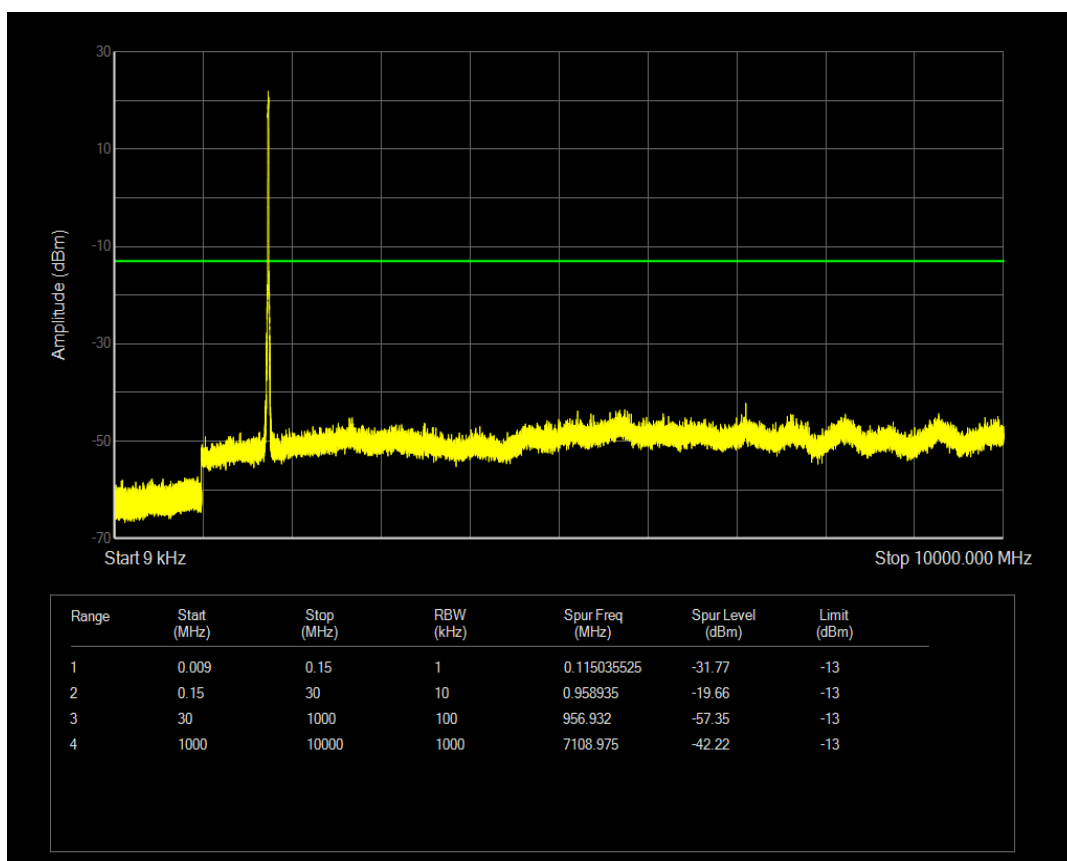
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



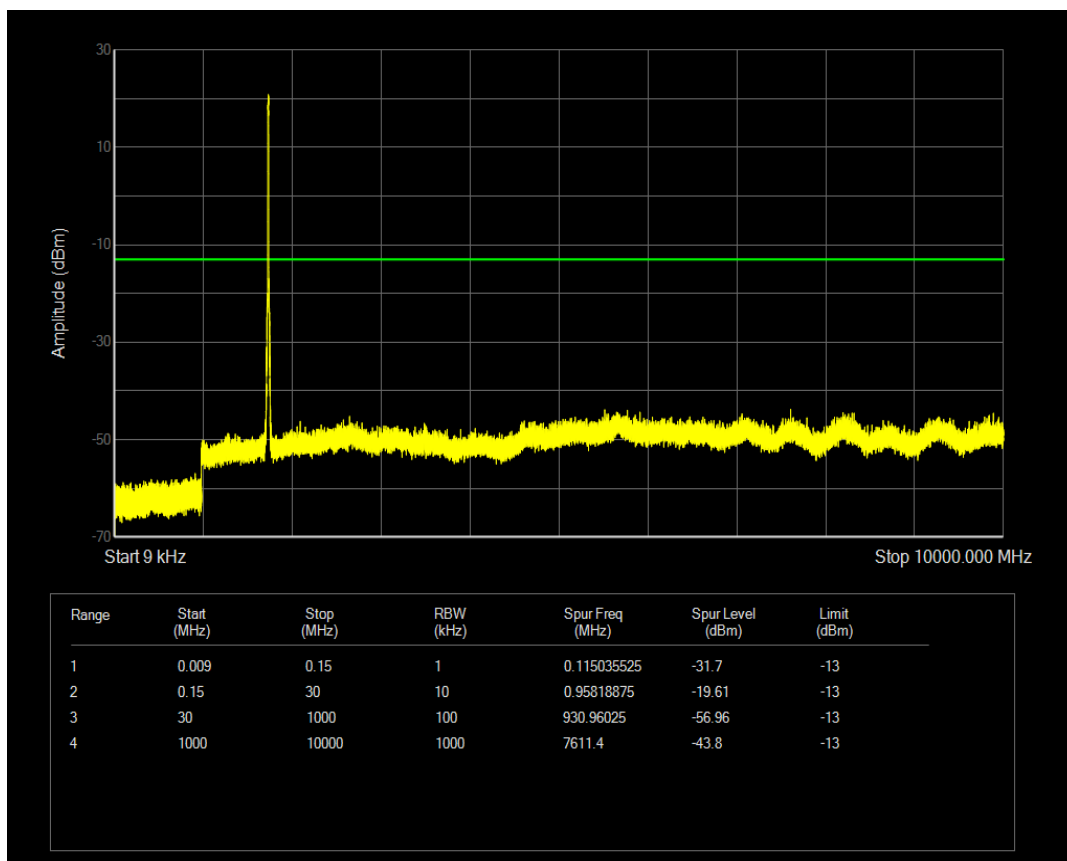
Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0



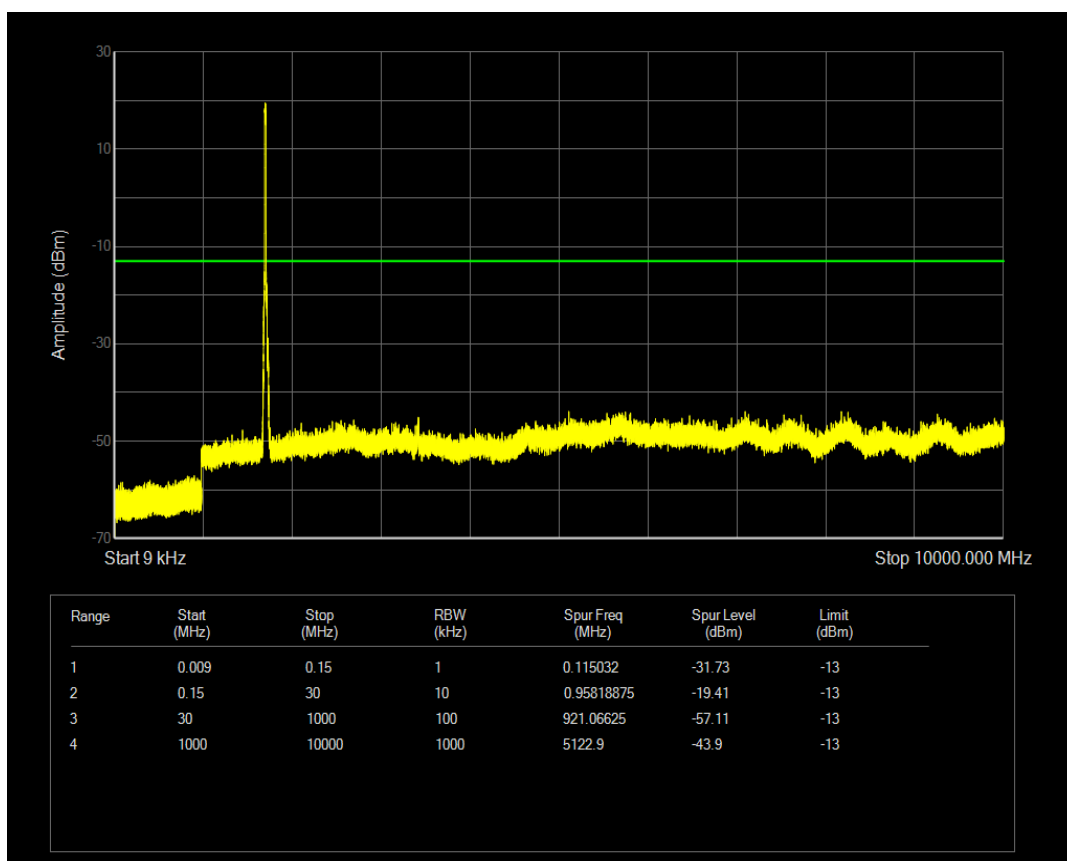
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



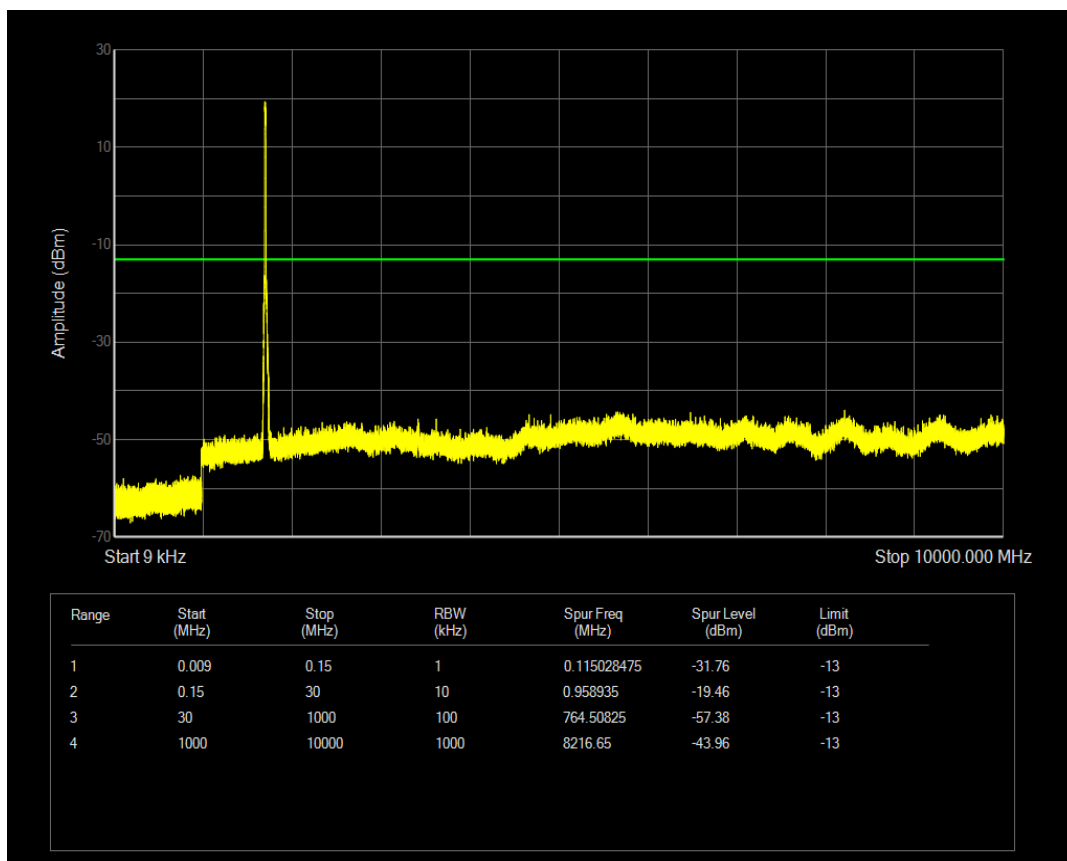
Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



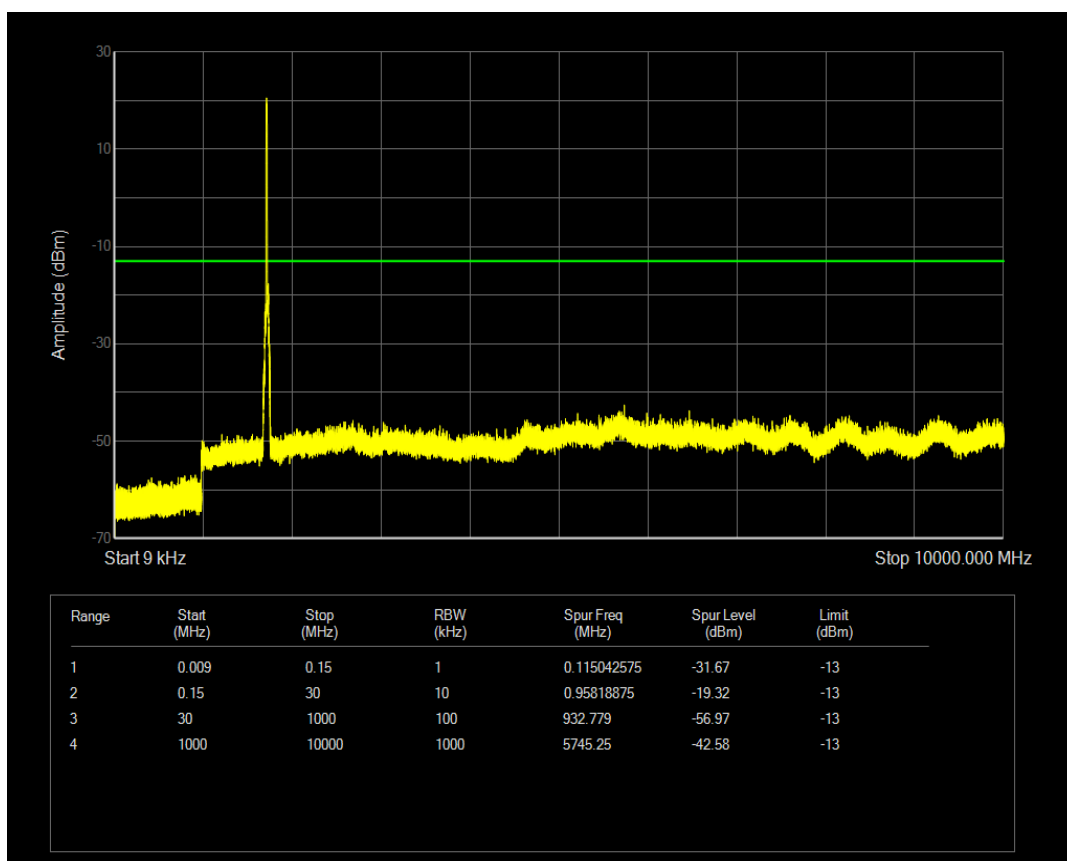
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



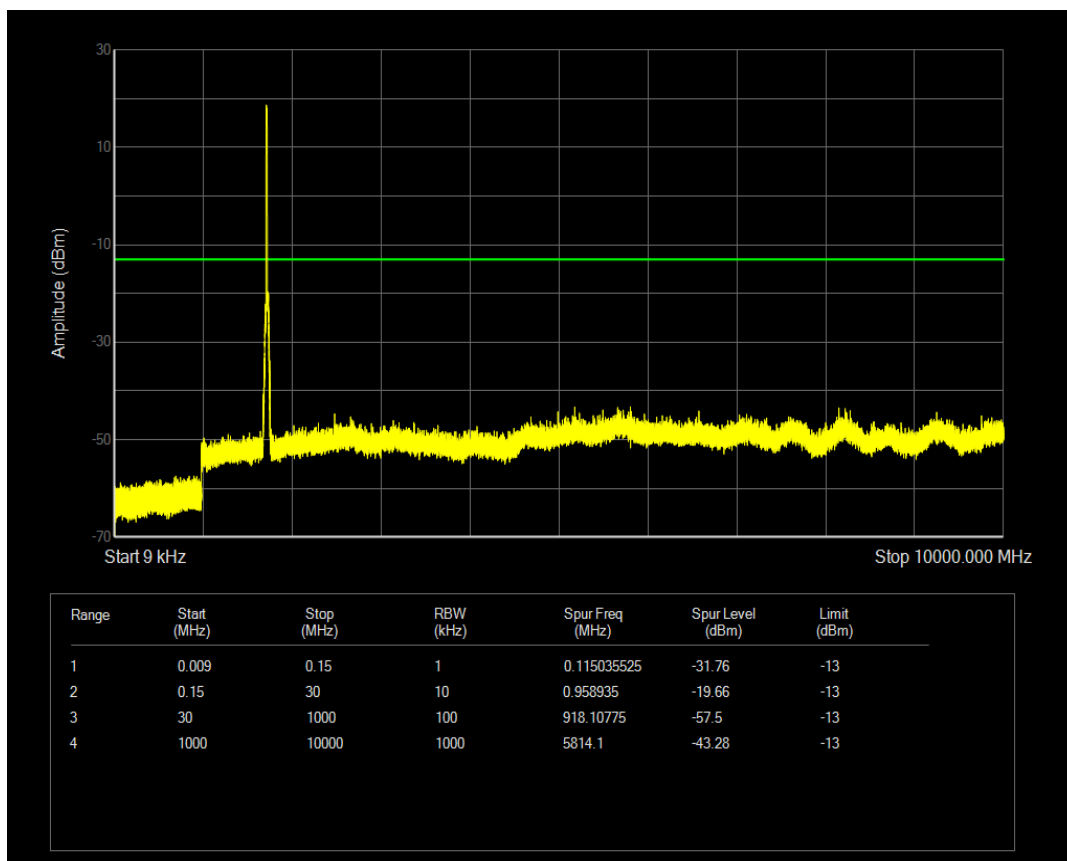
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



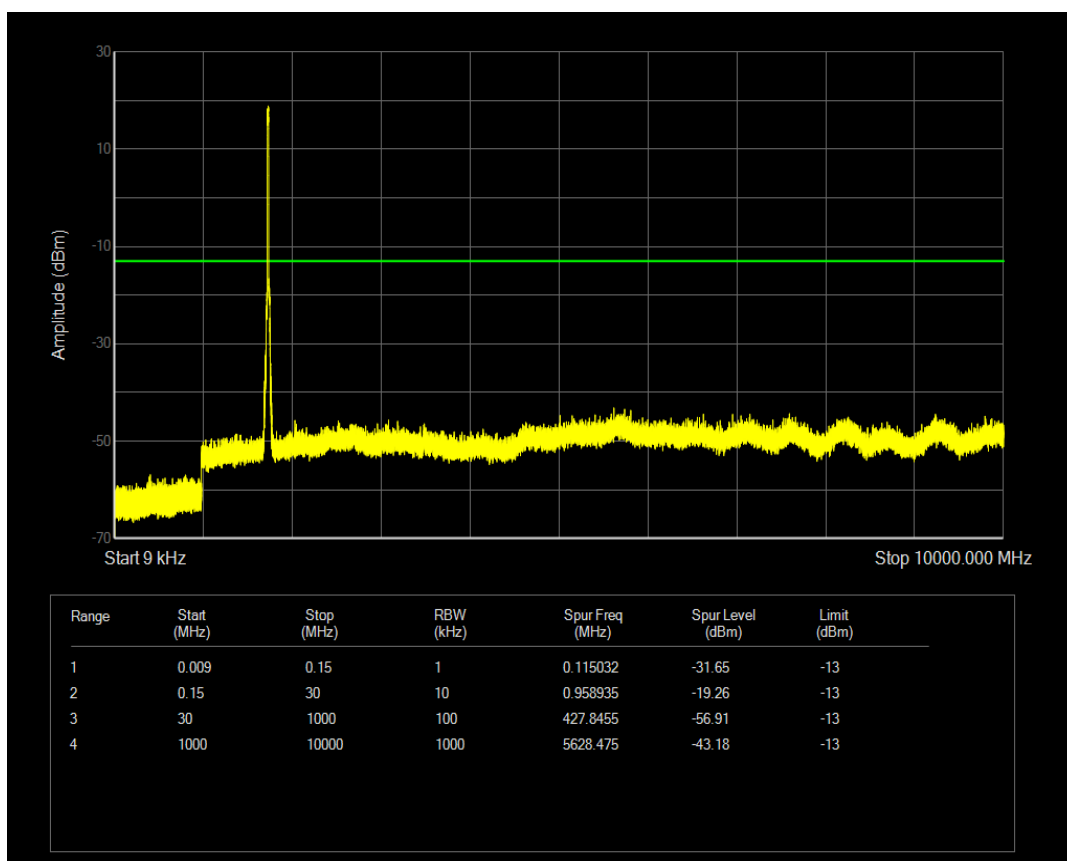
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



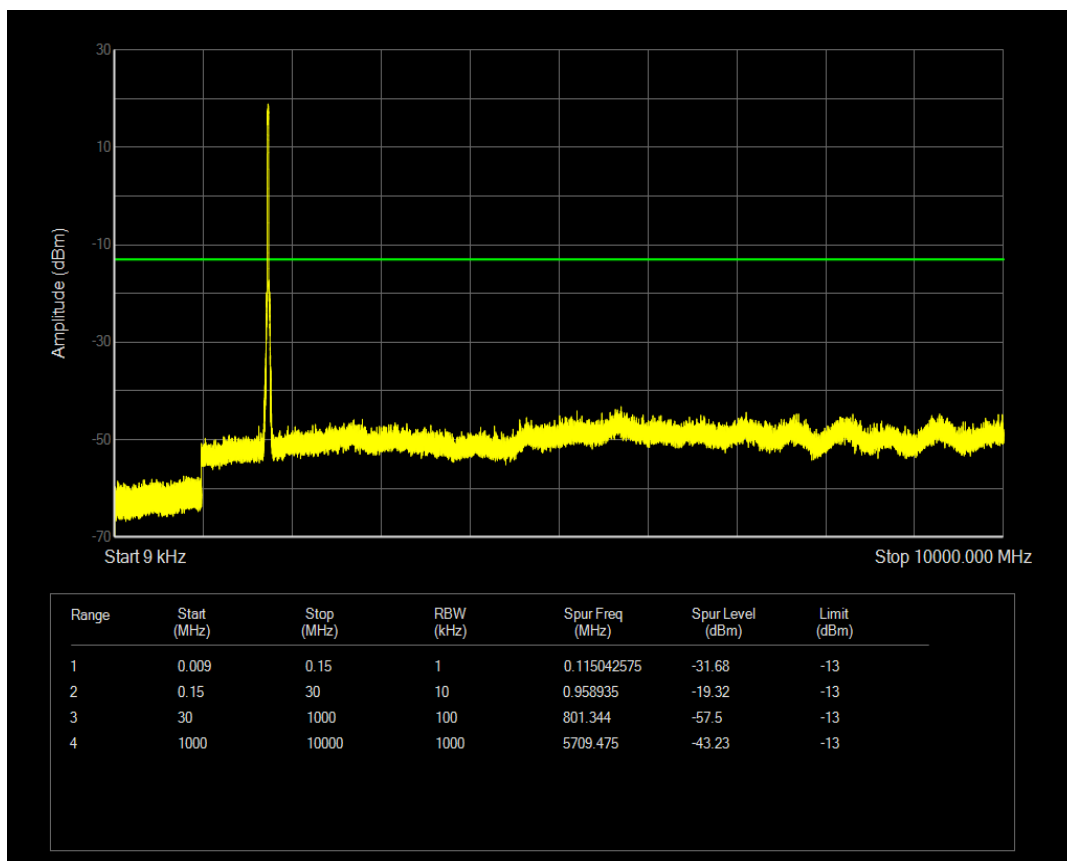
Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0



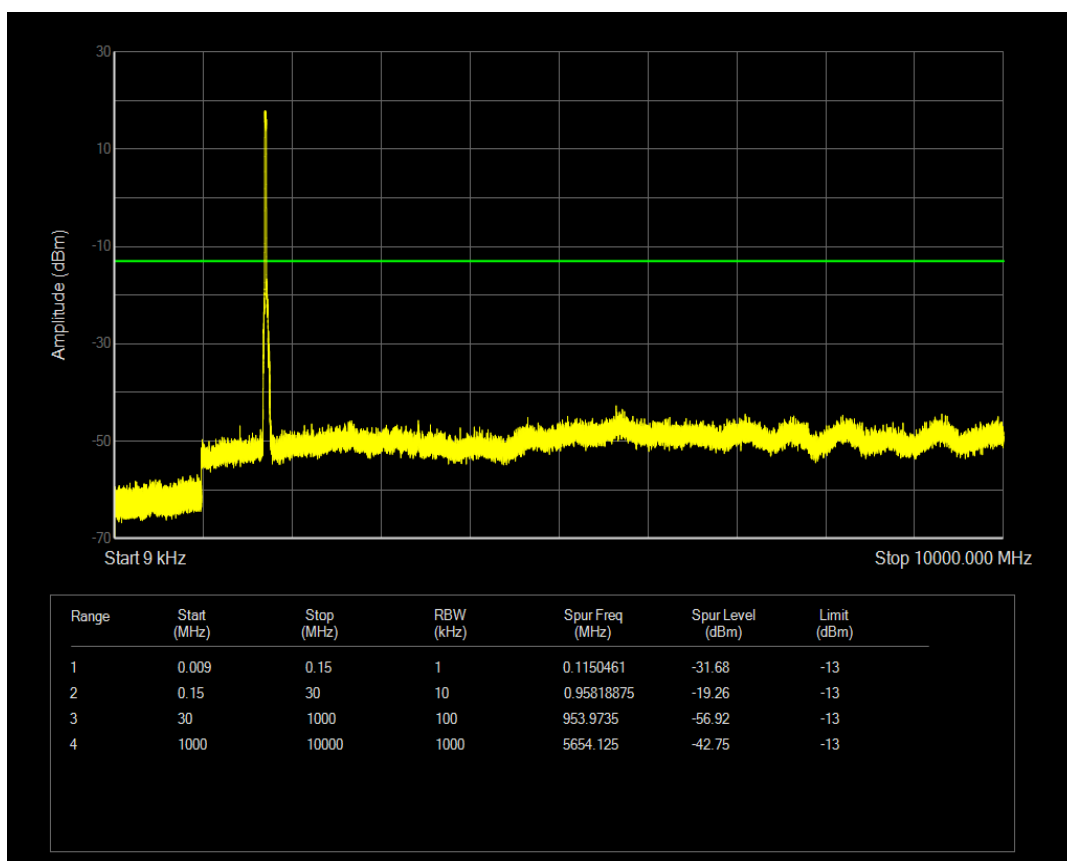
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



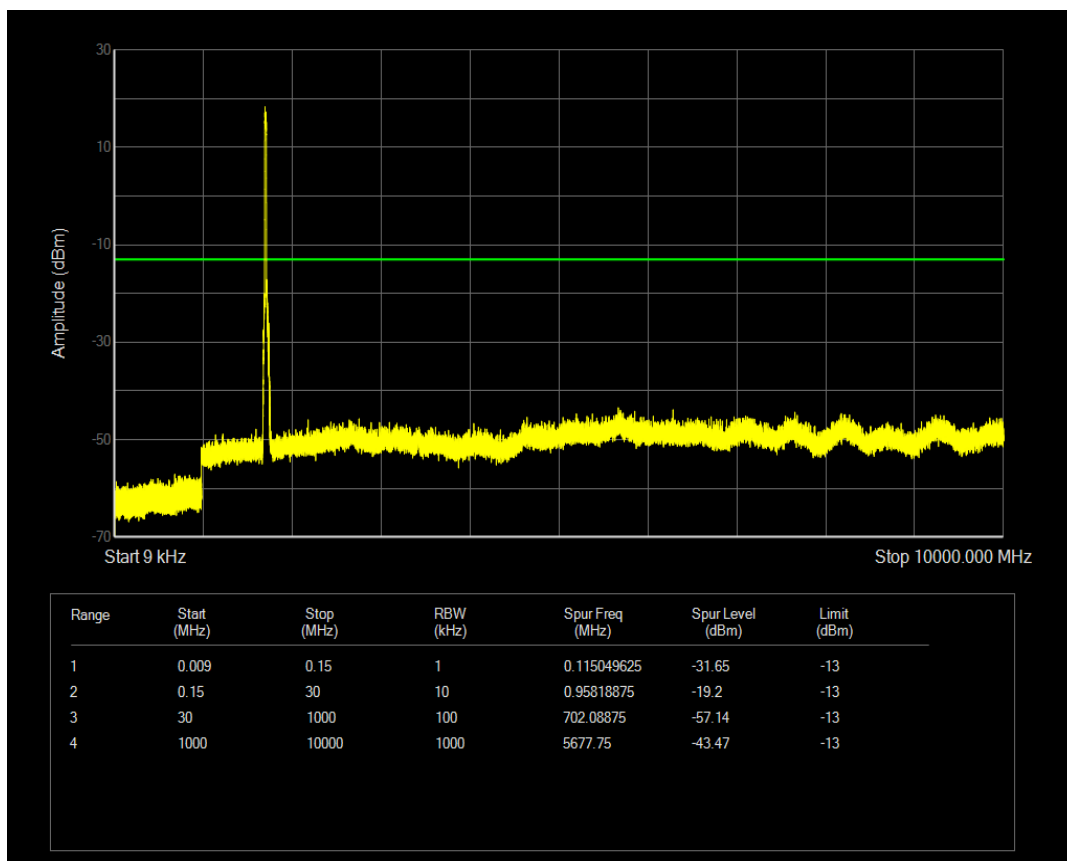
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



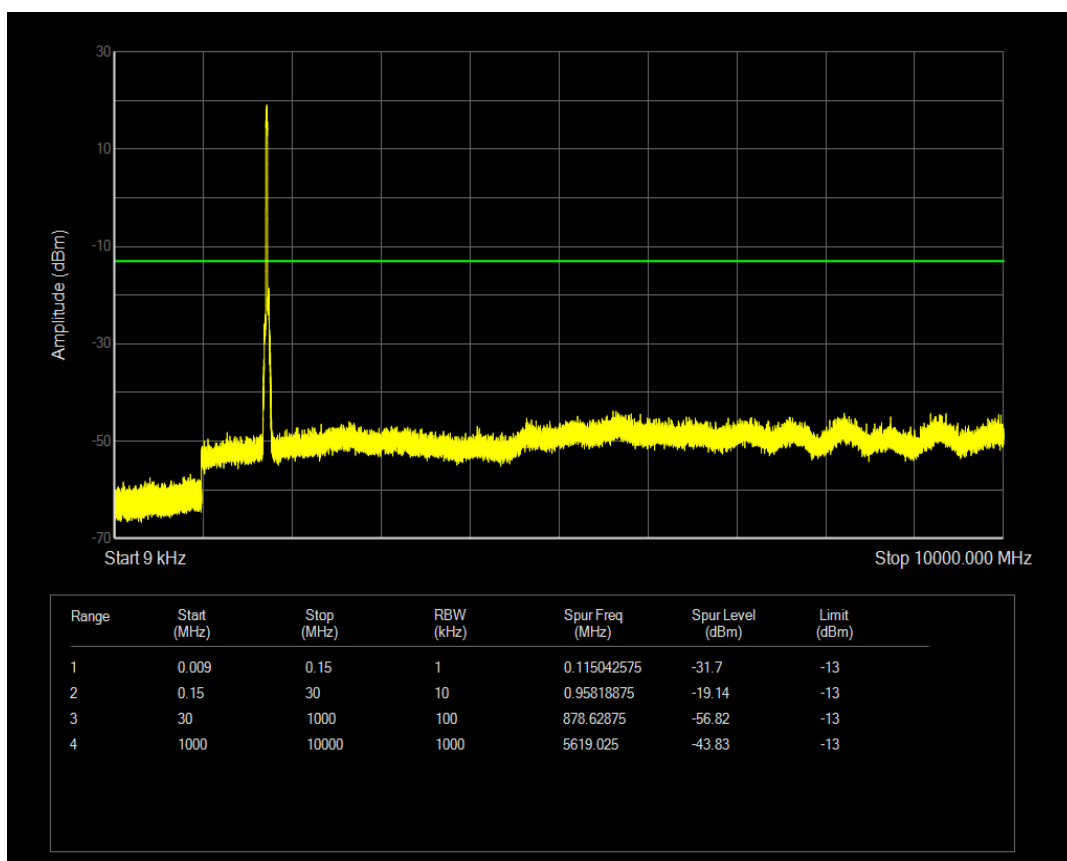
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



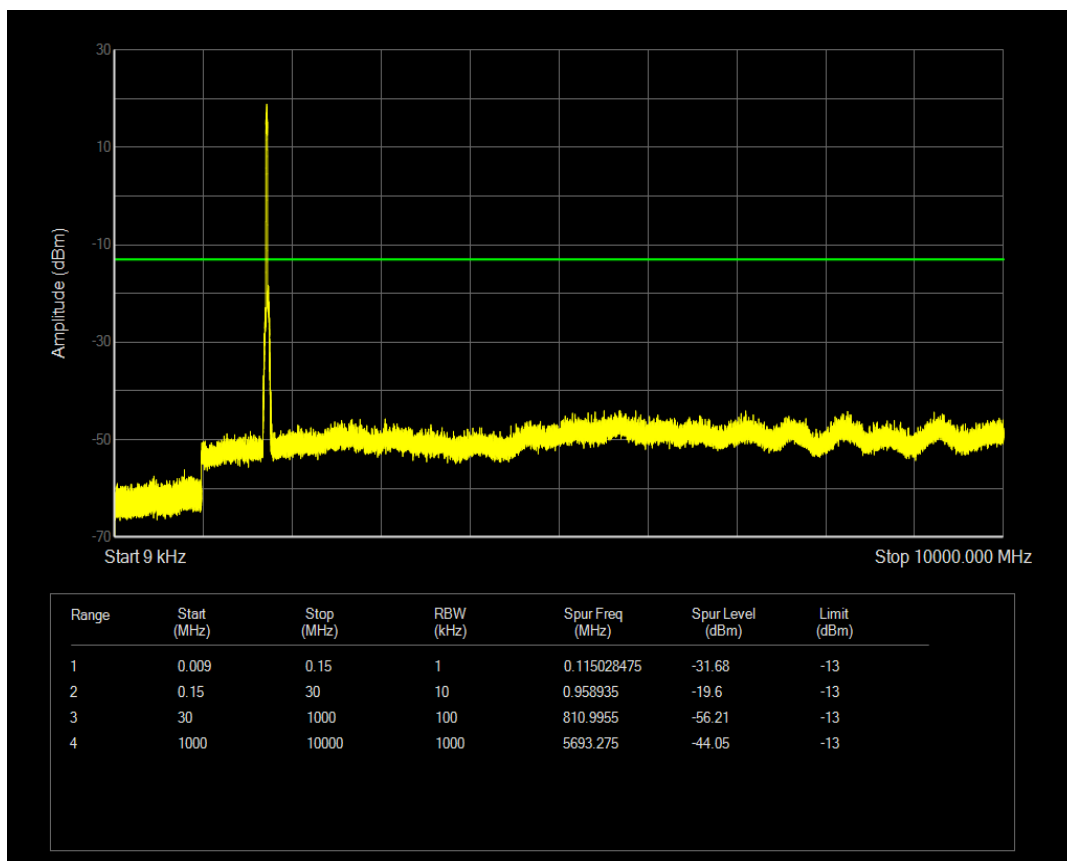
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



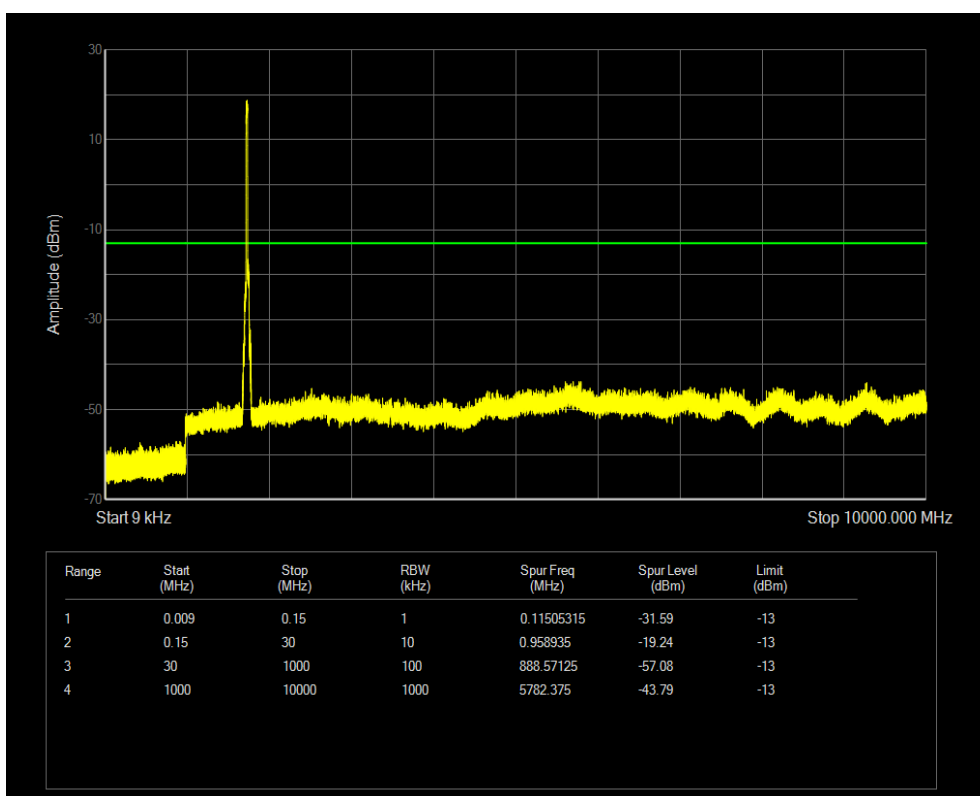
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



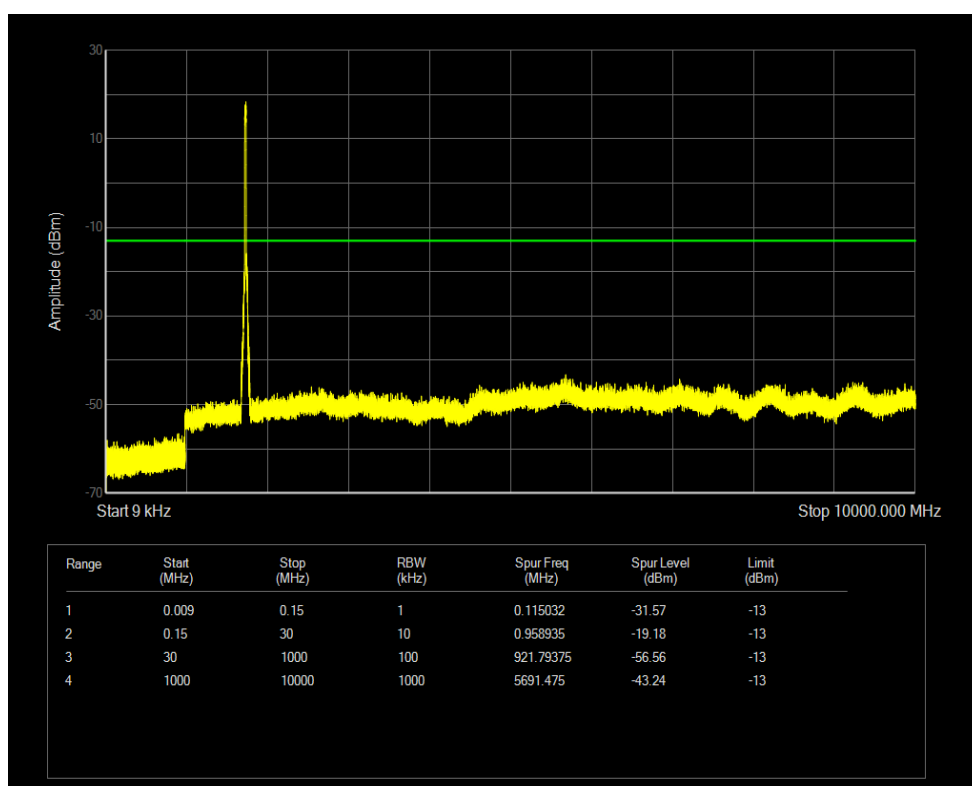
Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0



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



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



***** END *****

Appendix1. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band 4	1.4	19957	6	#0	QPSK	NV	-30	1.47	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	-20	1.69	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	0	2.69	0.002	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	10	1.26	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	20	2.55	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QAM16	NV	-30	2.98	0.002	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QAM16	NV	-20	3.18	0.002	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QAM16	NV	0	2.35	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QAM16	NV	10	2.37	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QAM16	NV	20	0.63	0.000	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-30	1.03	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-20	-0.17	0.000	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	0	2.27	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	10	1.83	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	20	1.40	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QAM16	NV	-30	1.10	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QAM16	NV	-20	0.56	0.000	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QAM16	NV	0	1.30	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QAM16	NV	10	0.80	0.000	-2.5	2.5	PASS

4												
Band 4	1.4	20175	6	#0	QAM16	NV	20	2.37	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-30	-0.56	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-20	-1.14	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	0	-2.17	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	10	-2.98	-0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	20	-2.23	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QAM16	NV	-30	-4.65	-0.003	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QAM16	NV	-20	-3.96	-0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QAM16	NV	0	-3.42	-0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QAM16	NV	10	-1.85	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QAM16	NV	20	-1.56	-0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-30	0.70	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-20	0.44	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	0	1.19	0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	10	0.54	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	20	1.20	0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QAM16	NV	-30	0.84	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QAM16	NV	-20	1.10	0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QAM16	NV	0	0.94	0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QAM16	NV	10	0.66	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QAM16	NV	20	-0.27	0.000	-2.5	2.5	PASS
Band	3	20175	15	#0	QPSK	NV	-30	0.20	0.000	-2.5	2.5	PASS

4												
Band 4	3	20175	15	#0	QPSK	NV	-20	0.72	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	0	1.69	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	10	1.40	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	20	2.33	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QAM16	NV	-30	1.03	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QAM16	NV	-20	1.59	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QAM16	NV	0	0.92	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QAM16	NV	10	0.99	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QAM16	NV	20	1.69	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-30	-0.60	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-20	1.29	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	0	0.53	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	10	0.93	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	20	1.32	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QAM16	NV	-30	1.47	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QAM16	NV	-20	1.00	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QAM16	NV	0	0.59	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QAM16	NV	10	1.54	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QAM16	NV	20	0.89	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-30	1.96	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-20	1.82	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	0	1.30	0.001	-2.5	2.5	PASS

4												
Band 4	5	19975	25	#0	QPSK	NV	10	3.00	0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	20	2.96	0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QAM16	NV	-30	3.63	0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QAM16	NV	-20	2.29	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QAM16	NV	0	2.35	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QAM16	NV	10	2.52	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QAM16	NV	20	1.02	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-30	0.54	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-20	0.27	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	0	2.02	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	10	2.12	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	20	0.70	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QAM16	NV	-30	0.90	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QAM16	NV	-20	1.77	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QAM16	NV	0	0.11	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QAM16	NV	10	1.00	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QAM16	NV	20	0.20	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-30	-2.72	-0.002	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-20	-2.50	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	0	-2.00	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	10	-2.20	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	20	-1.89	-0.00	-2.5	2.5	PASS

4									1			
Band 4	5	20375	25	#0	QAM16	NV	-30	-2.20	-0.00	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QAM16	NV	-20	-1.67	-0.00	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QAM16	NV	0	-1.37	-0.00	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QAM16	NV	10	-1.89	-0.00	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QAM16	NV	20	-1.93	-0.00	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-30	-2.56	-0.00	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-20	-1.49	-0.00	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	0	-1.09	-0.00	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	10	-2.16	-0.00	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	20	-2.62	-0.00	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QAM16	NV	-30	-1.34	-0.00	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QAM16	NV	-20	-2.78	-0.00	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QAM16	NV	0	-2.50	-0.00	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QAM16	NV	10	-2.69	-0.00	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QAM16	NV	20	-1.52	-0.00	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	-30	1.62	0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	-20	0.93	0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	0	1.57	0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	10	0.66	0.000	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	20	1.37	0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QAM16	NV	-30	1.03	0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QAM16	NV	-20	1.16	0.001	-2.5	2.5	PASS

4												
Band 4	10	20175	50	#0	QAM16	NV	0	1.75	0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QAM16	NV	10	0.84	0.000	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QAM16	NV	20	0.69	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-30	1.86	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-20	1.86	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	0	2.59	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	10	1.80	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	20	1.90	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QAM16	NV	-30	2.56	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QAM16	NV	-20	2.00	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QAM16	NV	0	1.10	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QAM16	NV	10	1.95	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QAM16	NV	20	2.29	0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-30	0.36	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-20	2.26	0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	0	0.83	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	10	1.44	0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	20	0.97	0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QAM16	NV	-30	1.39	0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QAM16	NV	-20	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QAM16	NV	0	0.40	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QAM16	NV	10	1.09	0.001	-2.5	2.5	PASS

4												
Band 4	15	20025	75	#0	QAM16	NV	20	0.31	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-30	2.55	0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-20	0.51	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	0	1.72	0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	10	1.16	0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	20	0.63	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QAM16	NV	-30	1.30	0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QAM16	NV	-20	0.94	0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QAM16	NV	0	1.02	0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QAM16	NV	10	2.50	0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QAM16	NV	20	1.86	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-30	0.51	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-20	0.87	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	0	2.00	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	10	1.33	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	20	0.14	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QAM16	NV	-30	0.59	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QAM16	NV	-20	0.49	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QAM16	NV	0	-0.01	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QAM16	NV	10	0.19	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QAM16	NV	20	1.09	0.001	-2.5	2.5	PASS
Band	20	20050	100	#0	QPSK	NV	-30	2.25	0.001	-2.5	2.5	PASS

4												
Band 4	20	20050	100	#0	QPSK	NV	-20	2.60	0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	0	2.52	0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	10	1.32	0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	20	1.62	0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QAM16	NV	-30	2.66	0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QAM16	NV	-20	1.60	0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QAM16	NV	0	2.13	0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QAM16	NV	10	2.27	0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QAM16	NV	20	1.79	0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-30	-0.66	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-20	0.99	0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	0	1.59	0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	10	0.96	0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	20	0.83	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QAM16	NV	-30	1.46	0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QAM16	NV	-20	1.20	0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QAM16	NV	0	0.64	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QAM16	NV	10	1.14	0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QAM16	NV	20	0.53	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-30	-3.50	-0.002	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-20	-3.45	-0.002	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	0	-2.98	-0.00	-2.5	2.5	PASS

4								2				
Band 4	20	20300	100	#0	QPSK	NV	10	-1.40	-0.00	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	20	-1.03	-0.00	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QAM16	NV	-30	-1.82	-0.00	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QAM16	NV	-20	-1.70	-0.00	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QAM16	NV	0	-2.56	-0.00	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QAM16	NV	10	-1.27	-0.00	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QAM16	NV	20	-2.93	-0.00	-2.5	2.5	PASS

******* END *******

