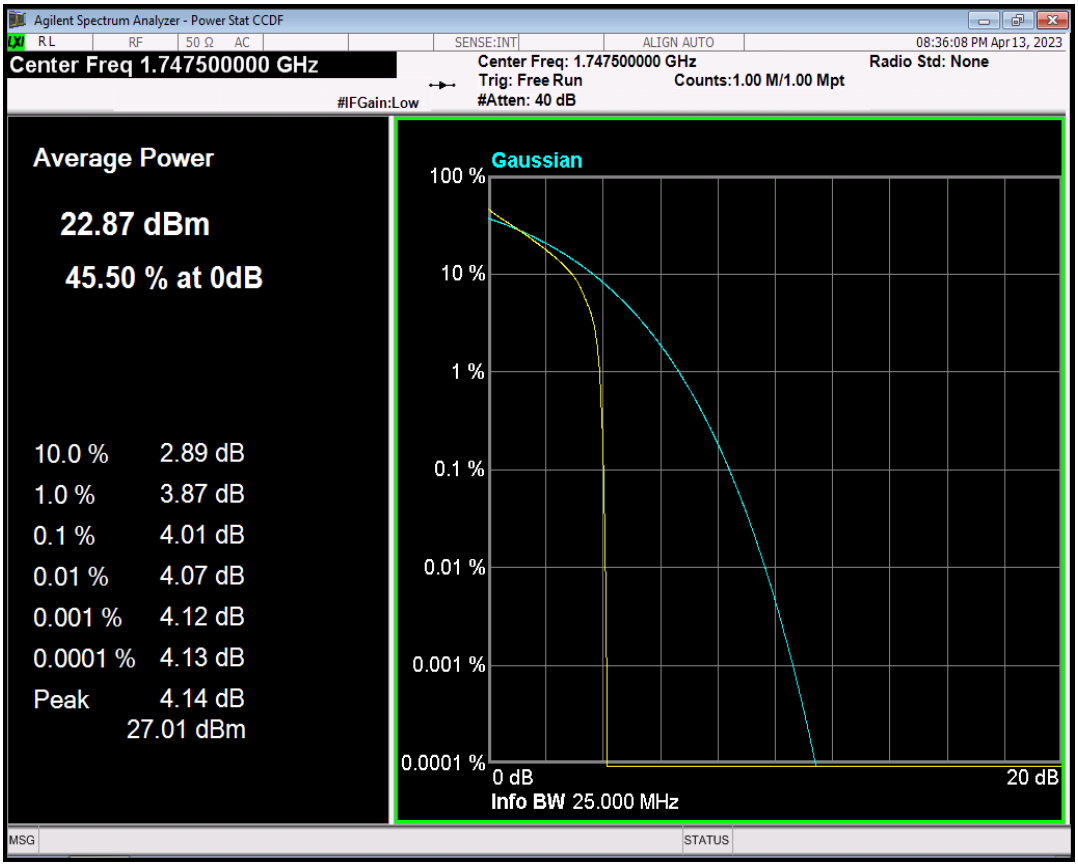
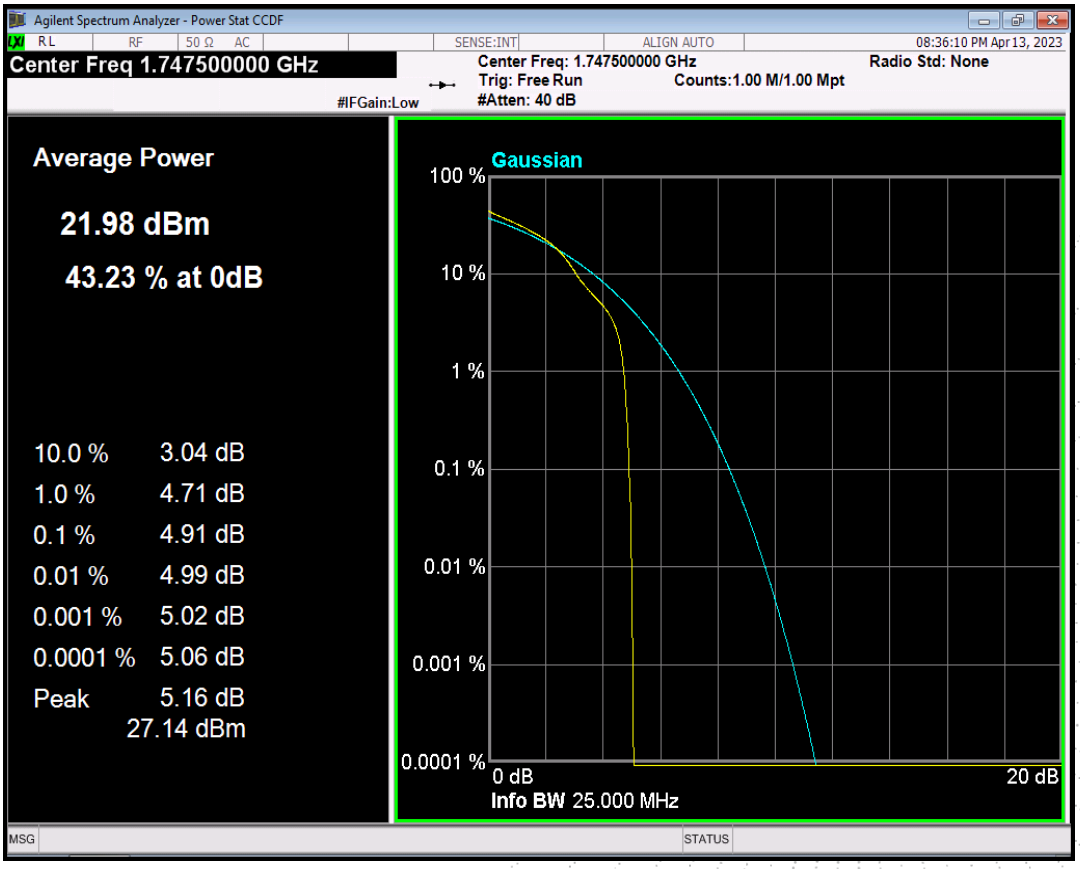
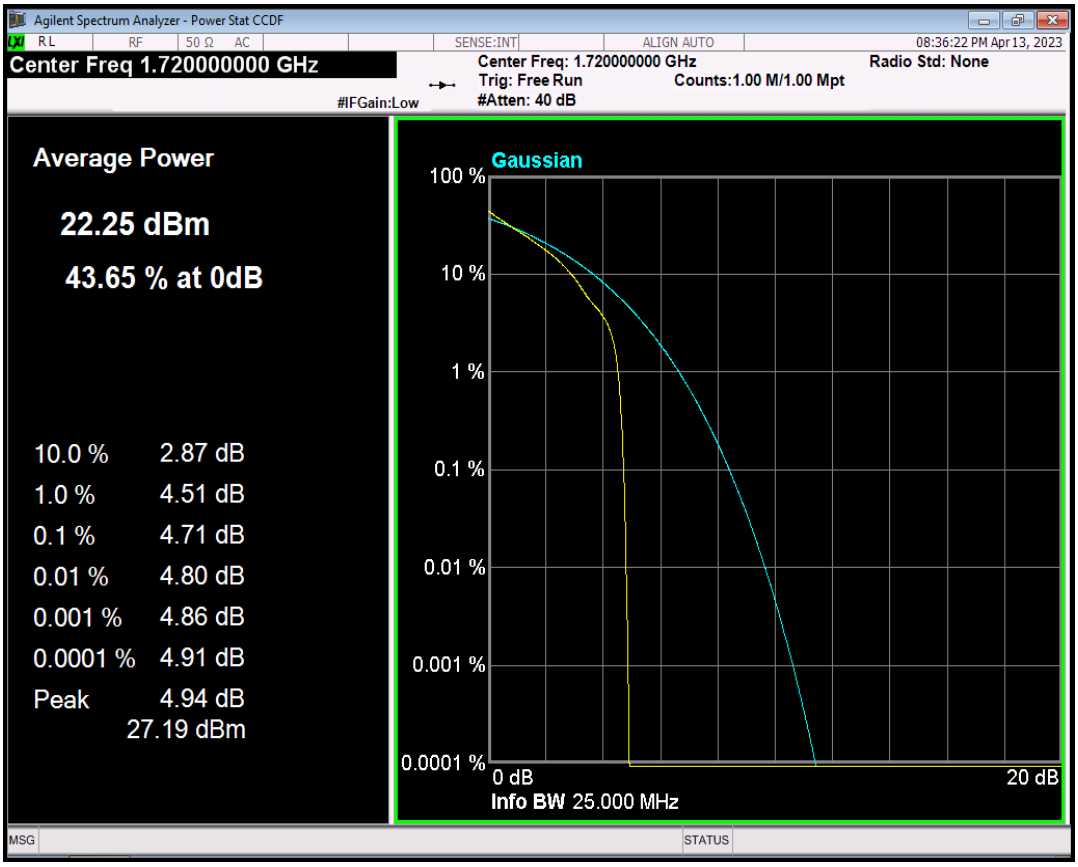


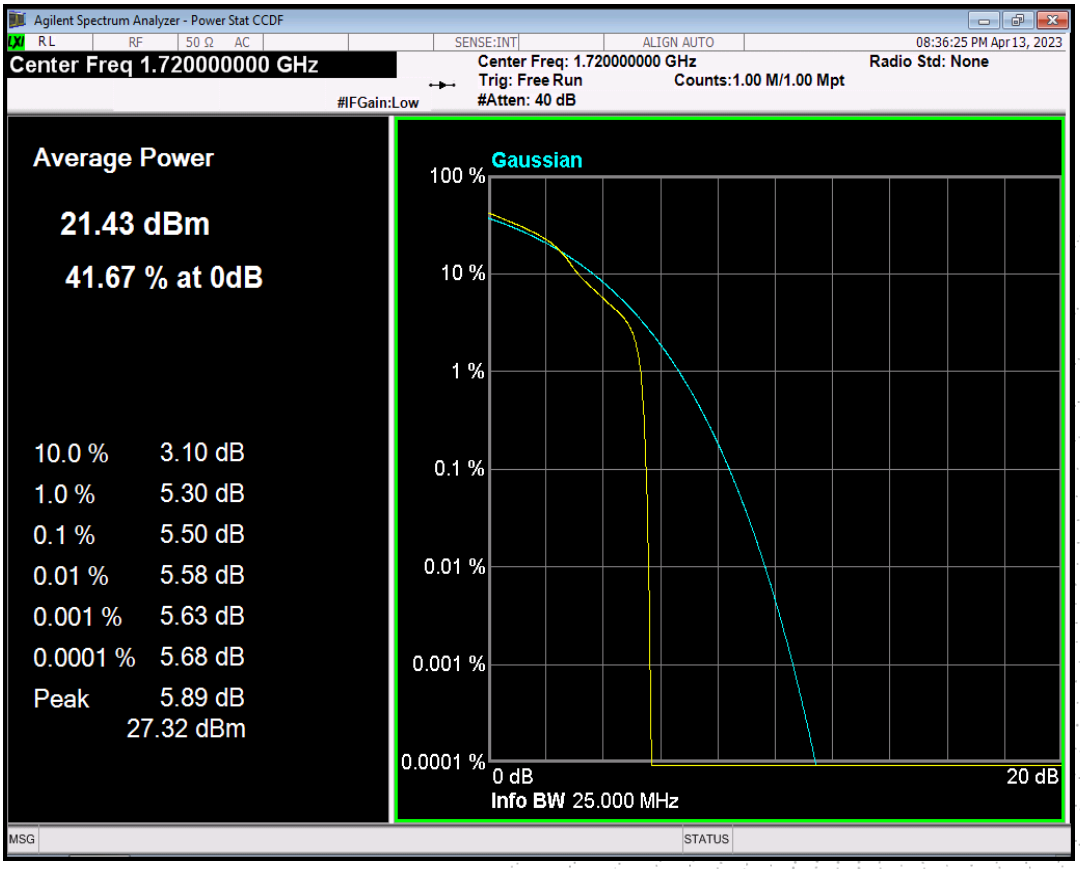
Band4 QAM16 BW=15MHz Channel=20325 RB Size=1 Position=#0



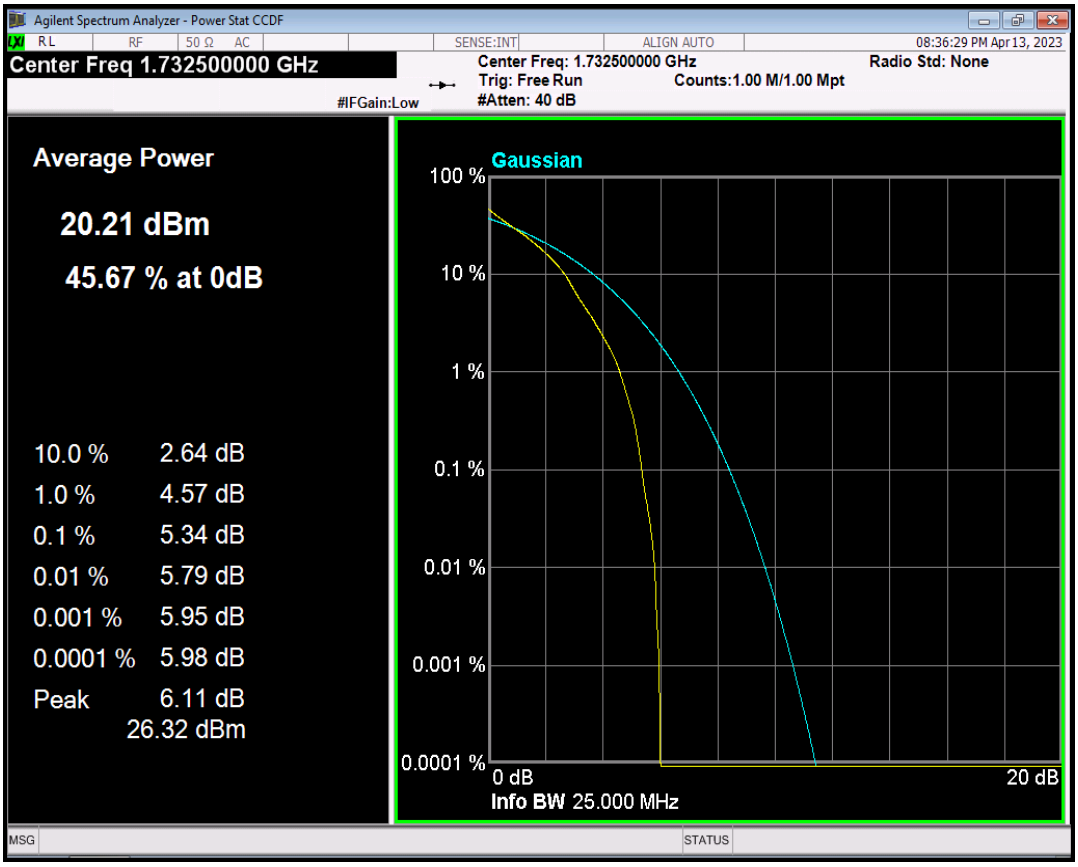
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



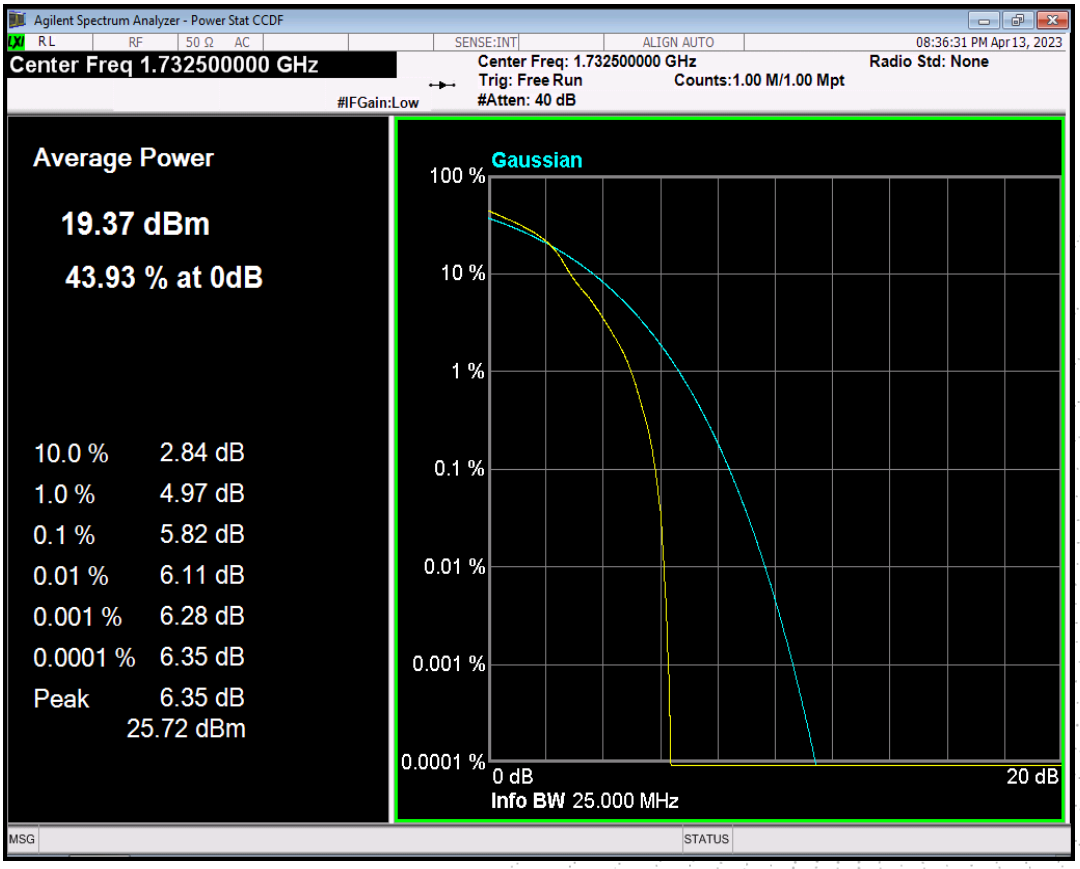
Band4 QAM16 BW=20MHz Channel=20050 RB Size=1 Position=#0



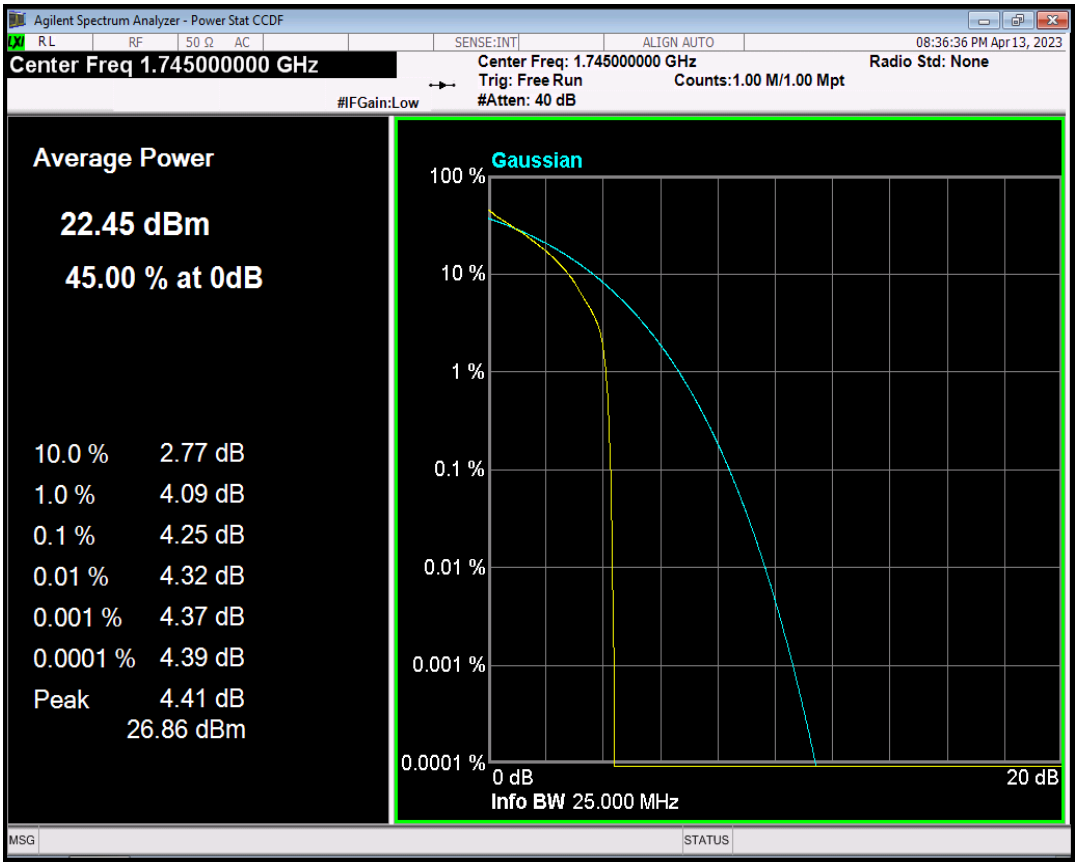
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



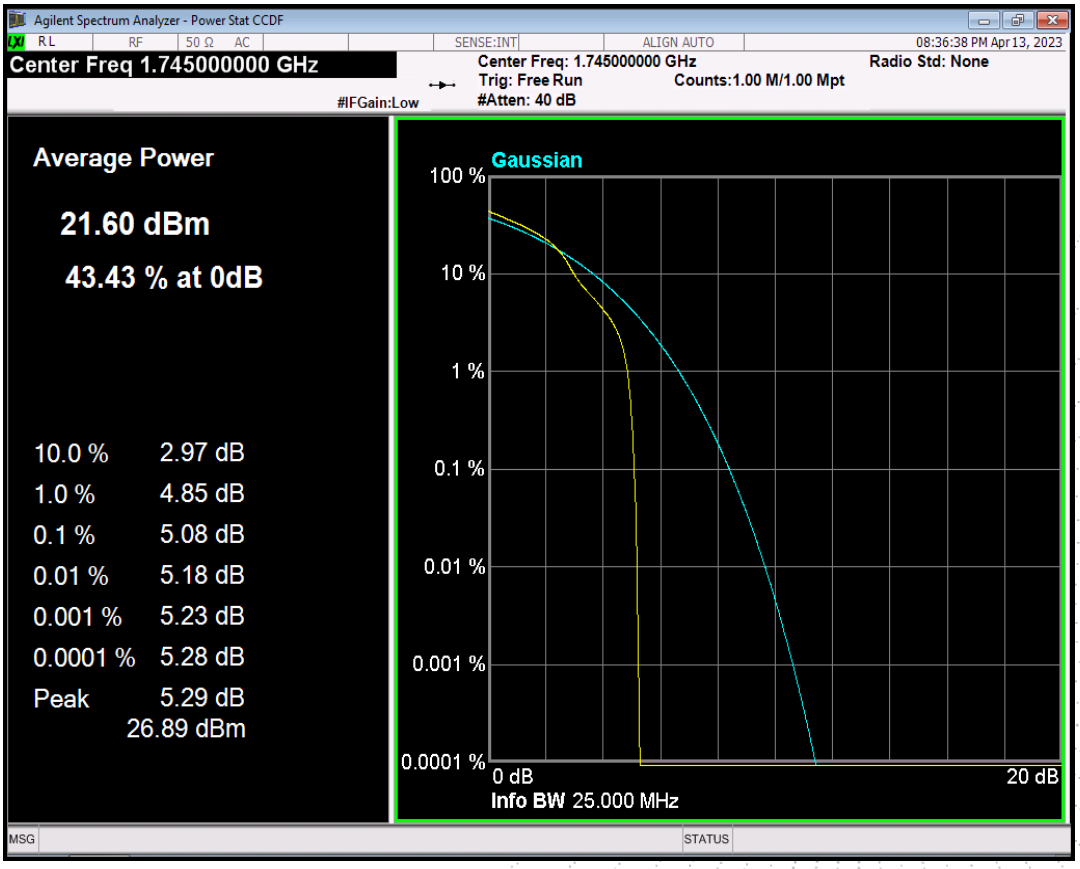
Band4 QAM16 BW=20MHz Channel=20175 RB Size=1 Position=#0



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



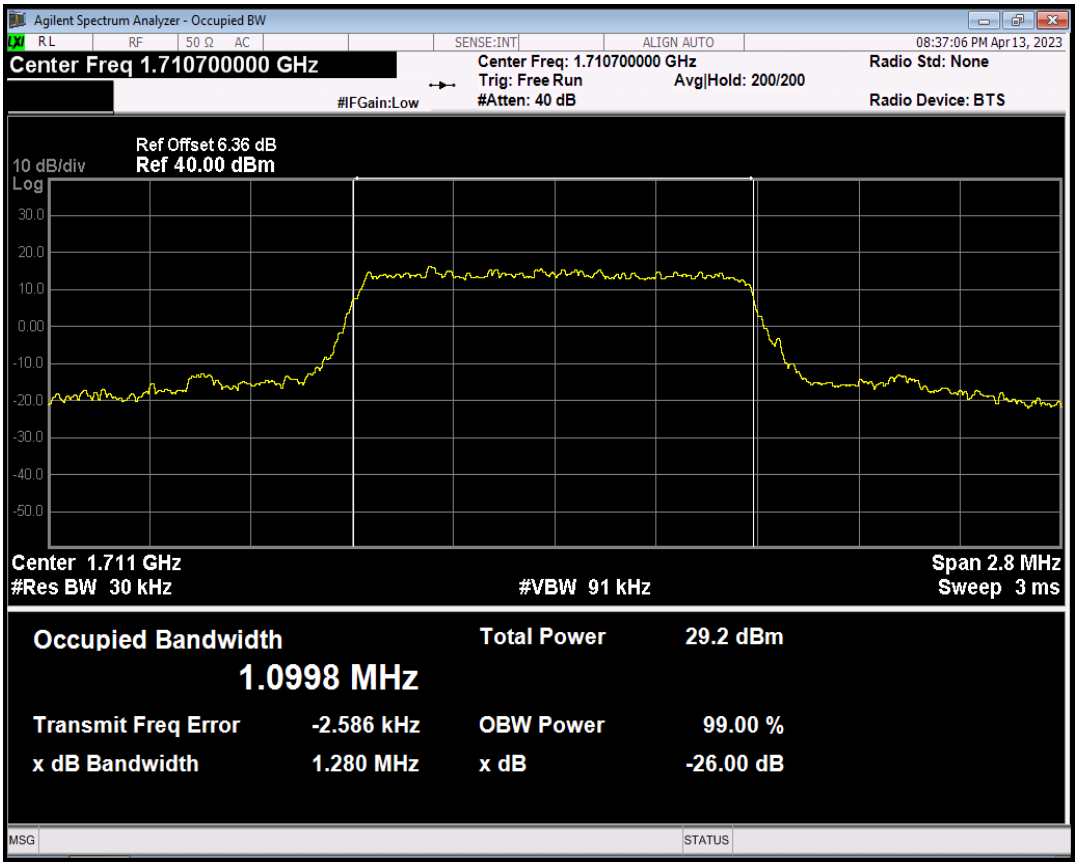
Band4 QAM16 BW=20MHz Channel=20300 RB Size=1 Position=#0



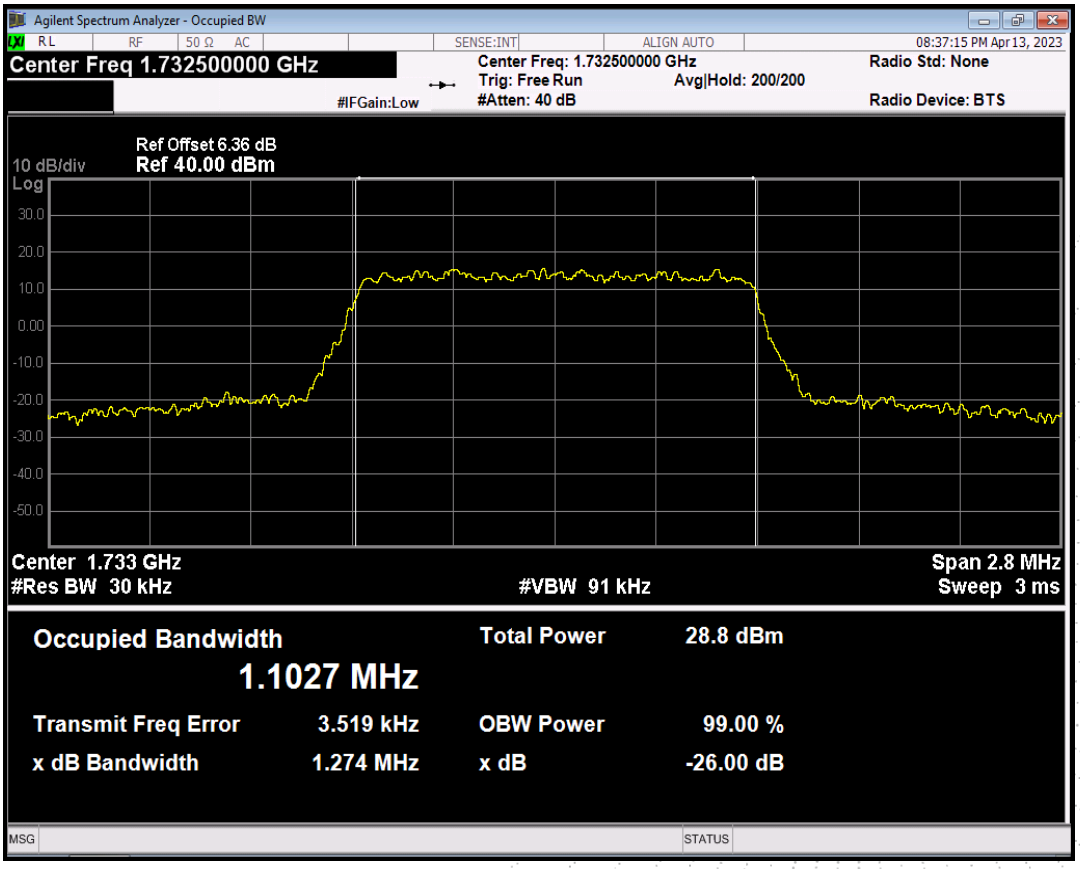
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.100	1.280	PASS
Band4	1.4	19957	6	#0	QAM16	1.099	1.292	PASS
Band4	1.4	20175	6	#0	QPSK	1.103	1.274	PASS
Band4	1.4	20175	6	#0	QAM16	1.101	1.293	PASS
Band4	1.4	20393	6	#0	QPSK	1.098	1.290	PASS
Band4	1.4	20393	6	#0	QAM16	1.105	1.287	PASS
Band4	3	19965	15	#0	QPSK	2.694	2.989	PASS
Band4	3	19965	15	#0	QAM16	2.694	2.999	PASS
Band4	3	20175	15	#0	QPSK	2.696	2.969	PASS
Band4	3	20175	15	#0	QAM16	2.687	2.990	PASS
Band4	3	20385	15	#0	QPSK	2.705	3.000	PASS
Band4	3	20385	15	#0	QAM16	2.690	2.960	PASS
Band4	5	19975	25	#0	QPSK	4.519	4.910	PASS
Band4	5	19975	25	#0	QAM16	4.507	4.916	PASS
Band4	5	20175	25	#0	QPSK	4.508	4.894	PASS
Band4	5	20175	25	#0	QAM16	4.506	4.917	PASS
Band4	5	20375	25	#0	QPSK	4.515	4.910	PASS
Band4	5	20375	25	#0	QAM16	4.546	4.900	PASS
Band4	10	20000	50	#0	QPSK	9.003	9.733	PASS
Band4	10	20000	50	#0	QAM16	9.035	9.732	PASS
Band4	10	20175	50	#0	QPSK	8.985	9.717	PASS
Band4	10	20175	50	#0	QAM16	8.983	9.586	PASS
Band4	10	20350	50	#0	QPSK	9.016	9.762	PASS
Band4	10	20350	50	#0	QAM16	9.022	9.642	PASS
Band4	15	20025	75	#0	QPSK	13.547	14.506	PASS
Band4	15	20025	75	#0	QAM16	13.498	14.463	PASS
Band4	15	20175	75	#0	QPSK	13.481	14.413	PASS
Band4	15	20175	75	#0	QAM16	13.429	14.510	PASS
Band4	15	20325	75	#0	QPSK	13.457	14.399	PASS
Band4	15	20325	75	#0	QAM16	13.465	14.503	PASS
Band4	20	20050	100	#0	QPSK	18.019	19.278	PASS
Band4	20	20050	100	#0	QAM16	17.989	19.217	PASS
Band4	20	20175	100	#0	QPSK	17.901	19.087	PASS
Band4	20	20175	100	#0	QAM16	17.925	19.243	PASS
Band4	20	20300	100	#0	QPSK	17.909	19.272	PASS
Band4	20	20300	100	#0	QAM16	17.913	19.198	PASS

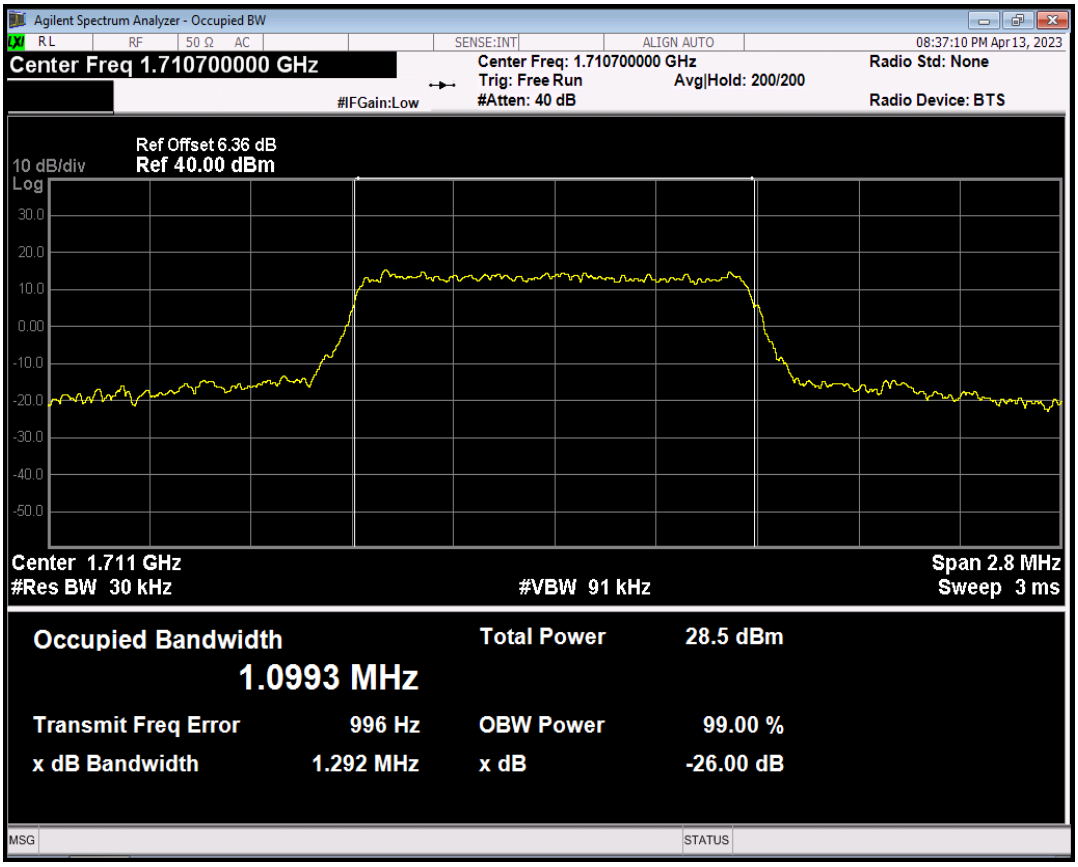
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



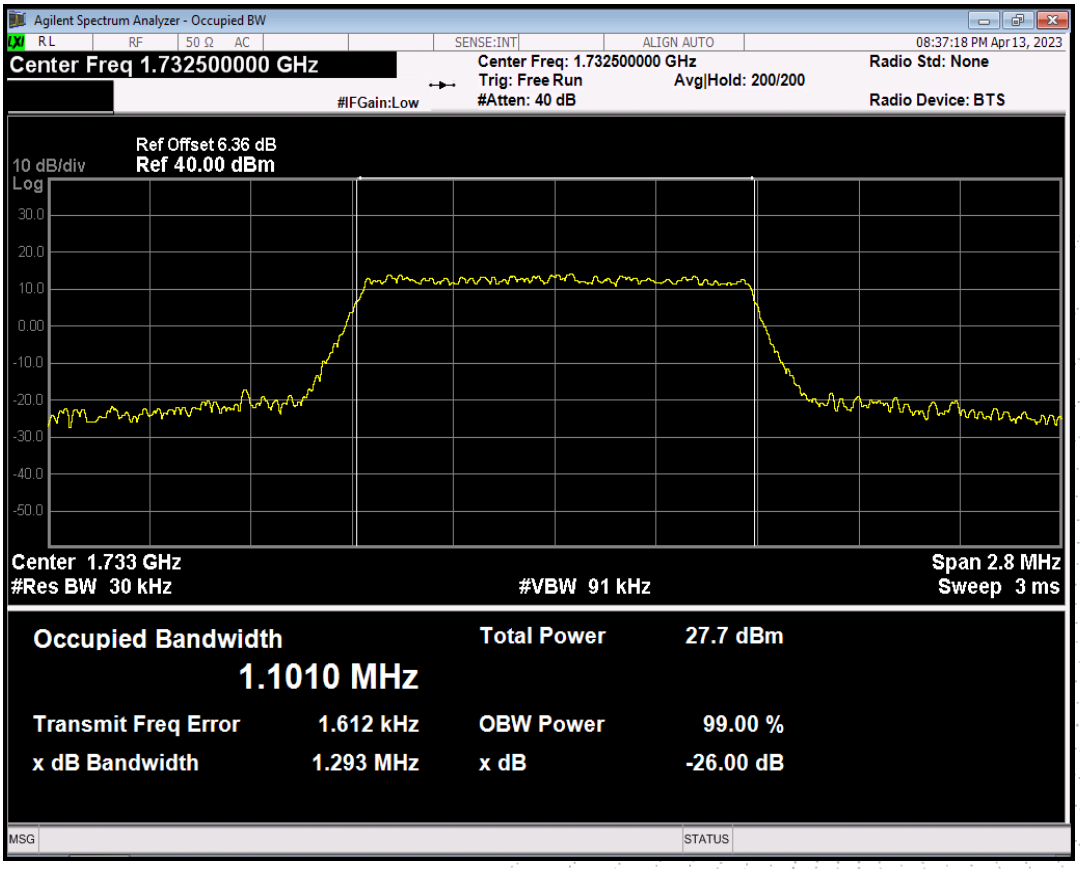
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



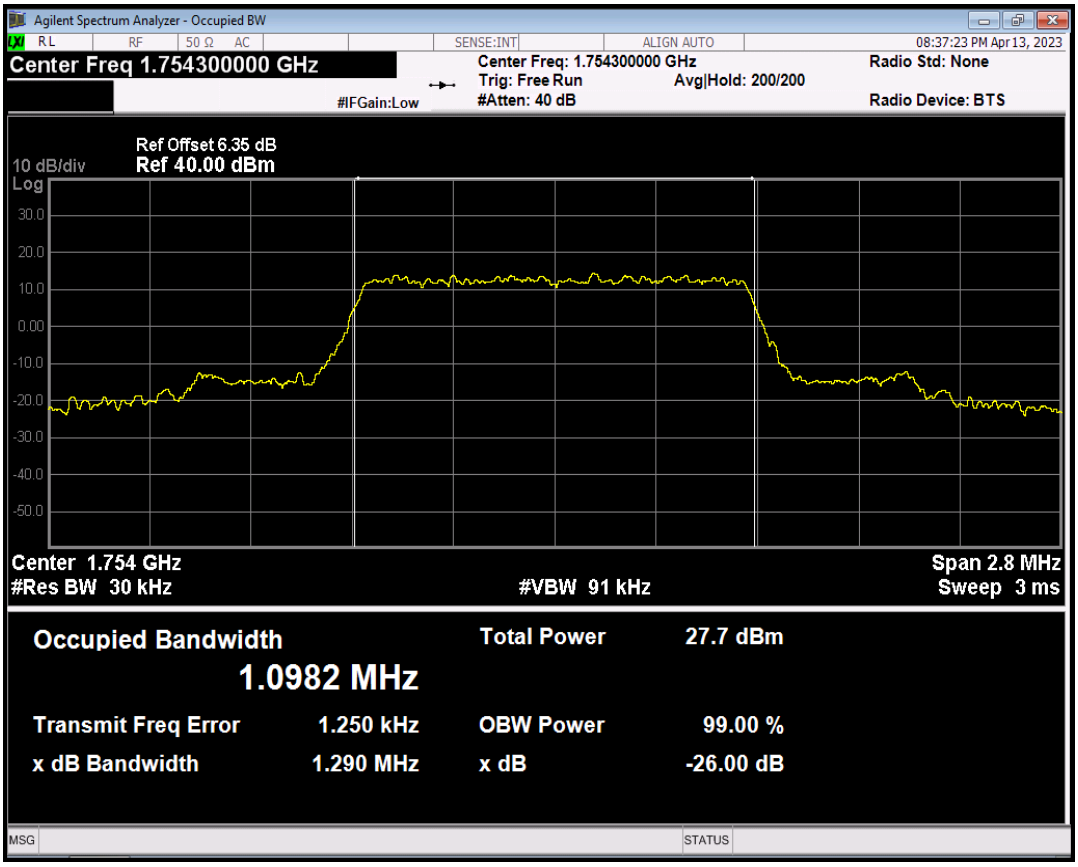
Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0



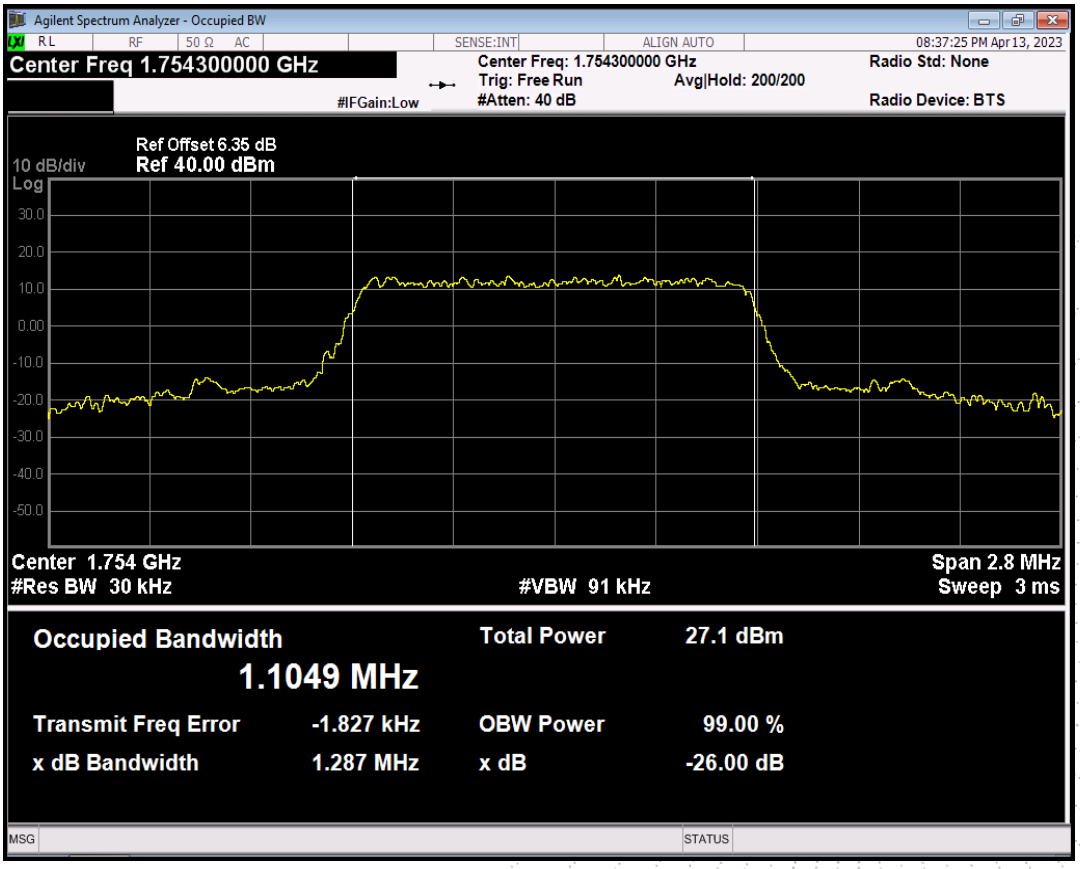
Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0



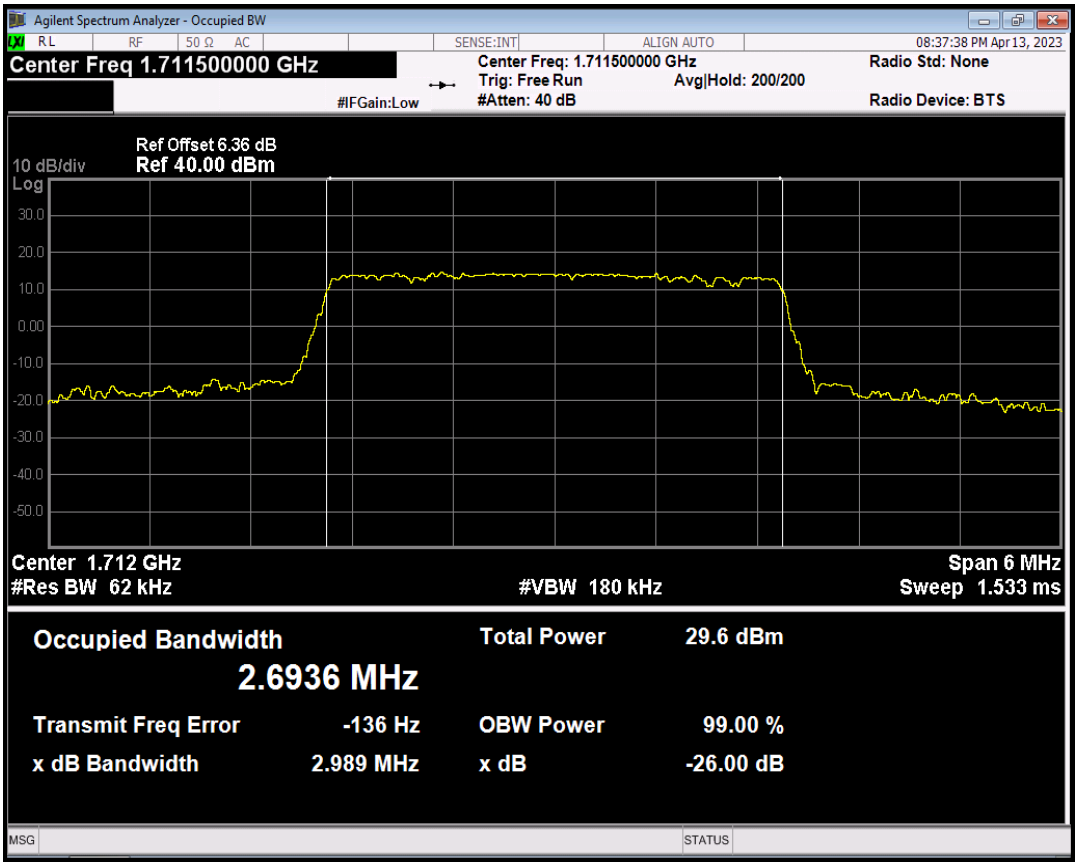
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



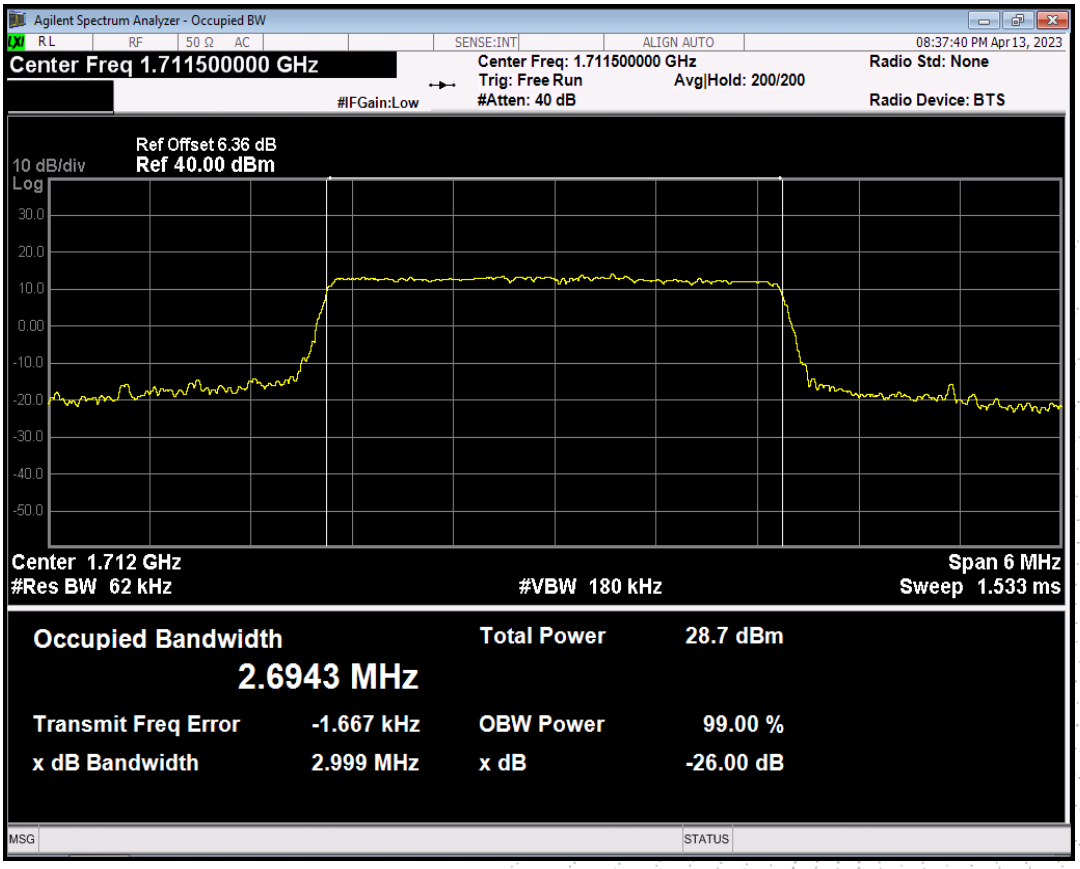
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



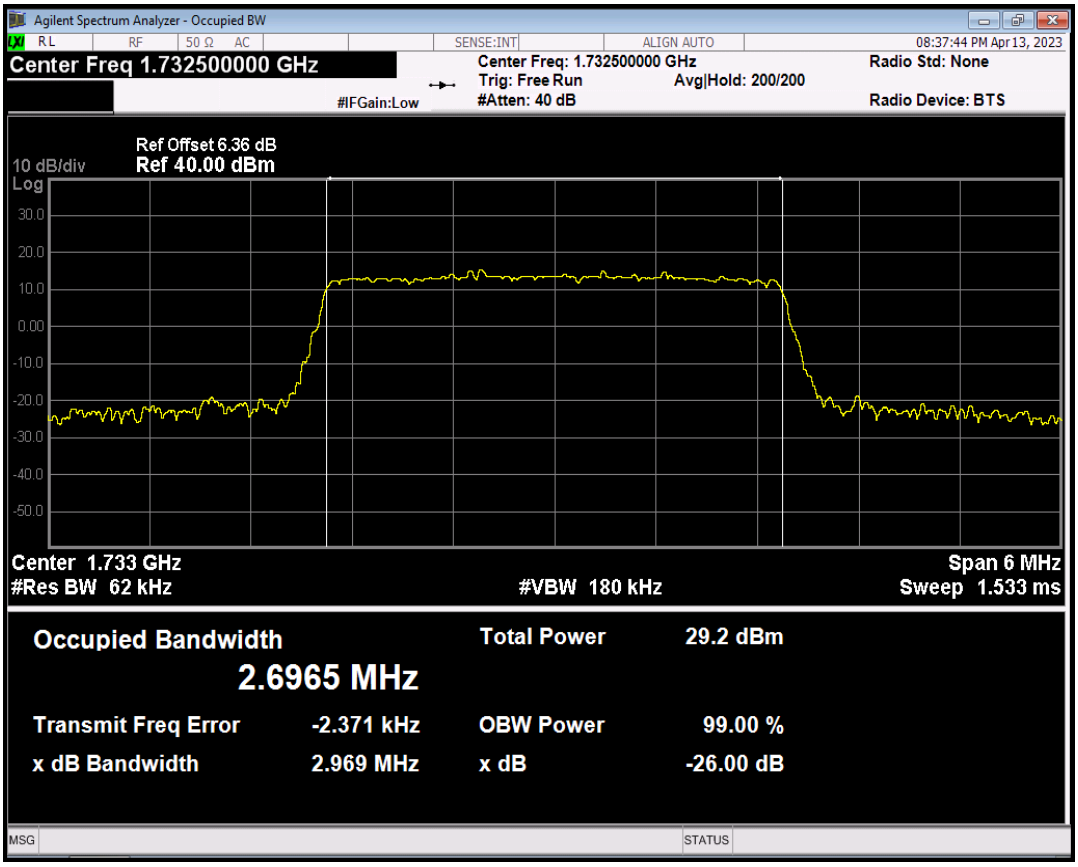
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



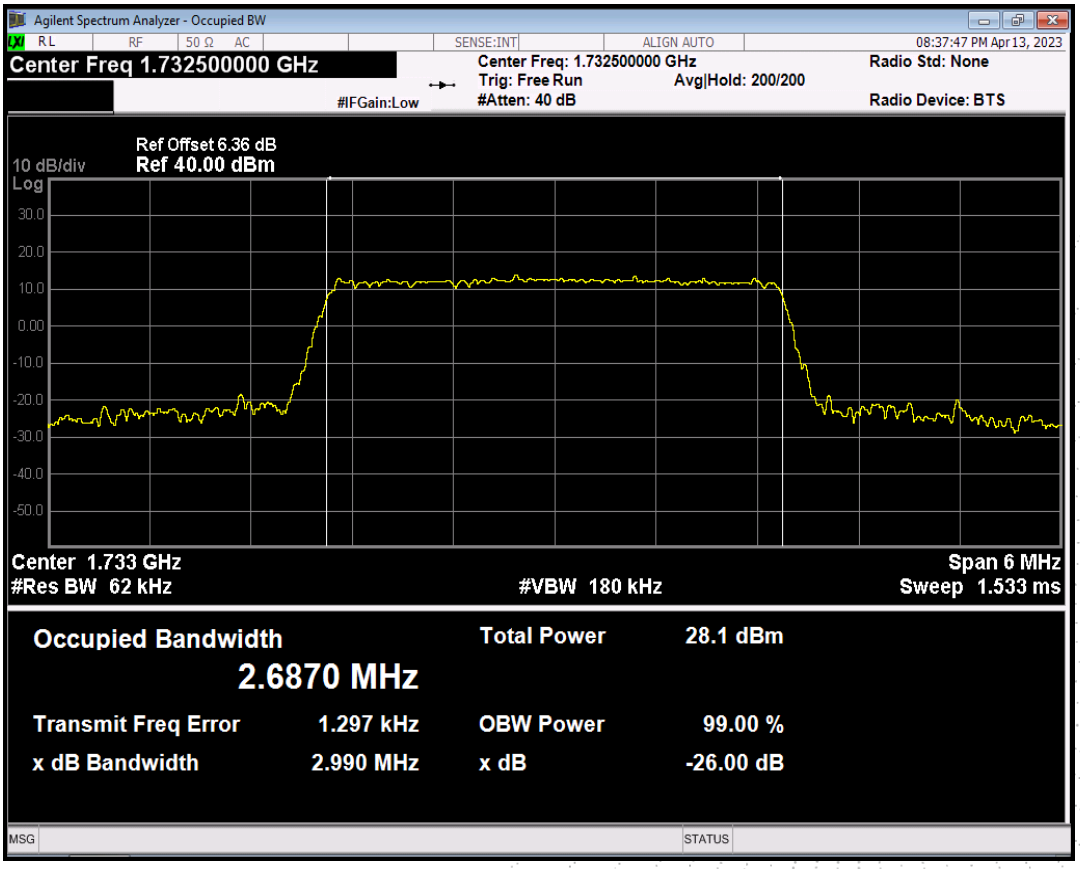
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



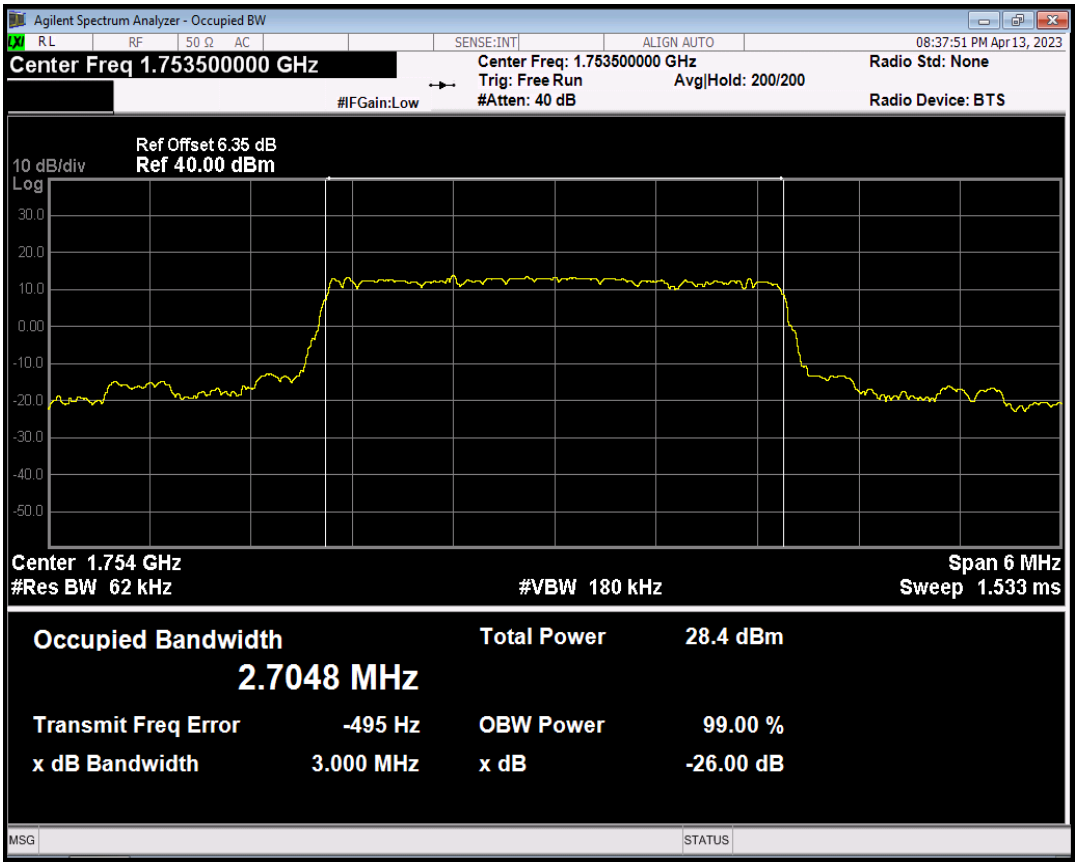
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



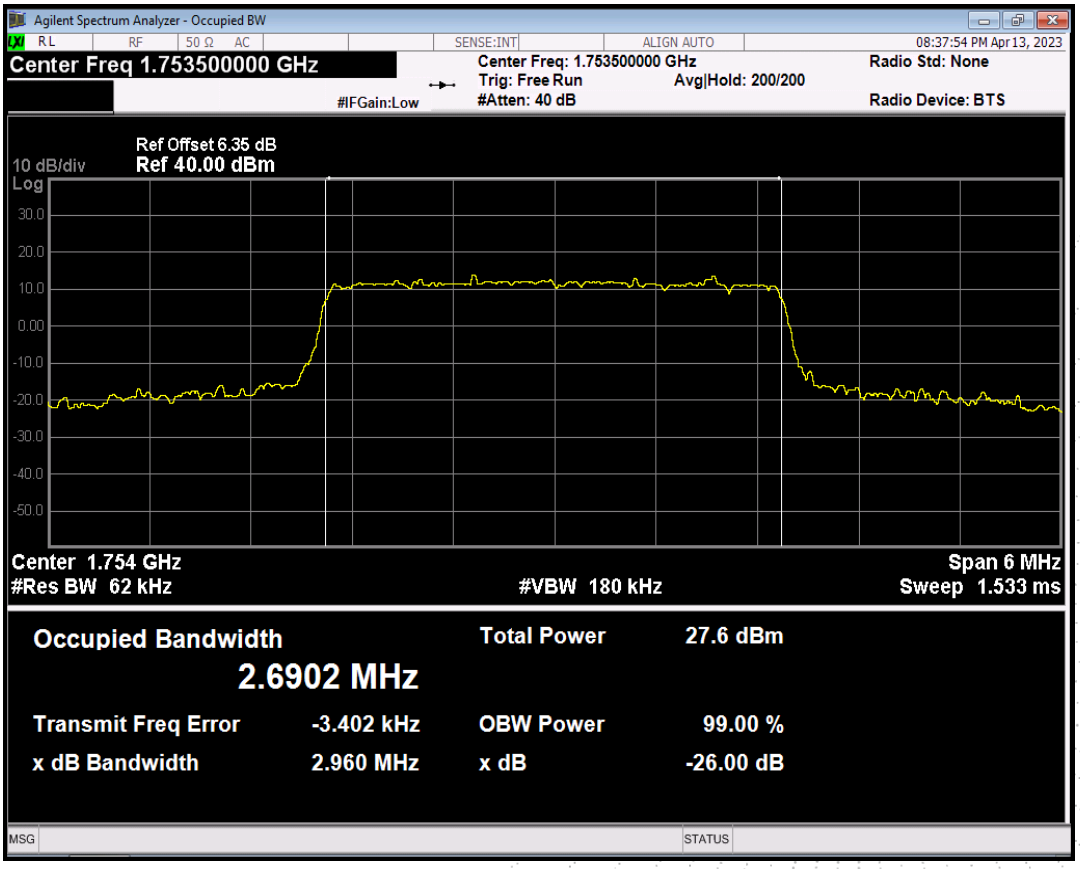
Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0



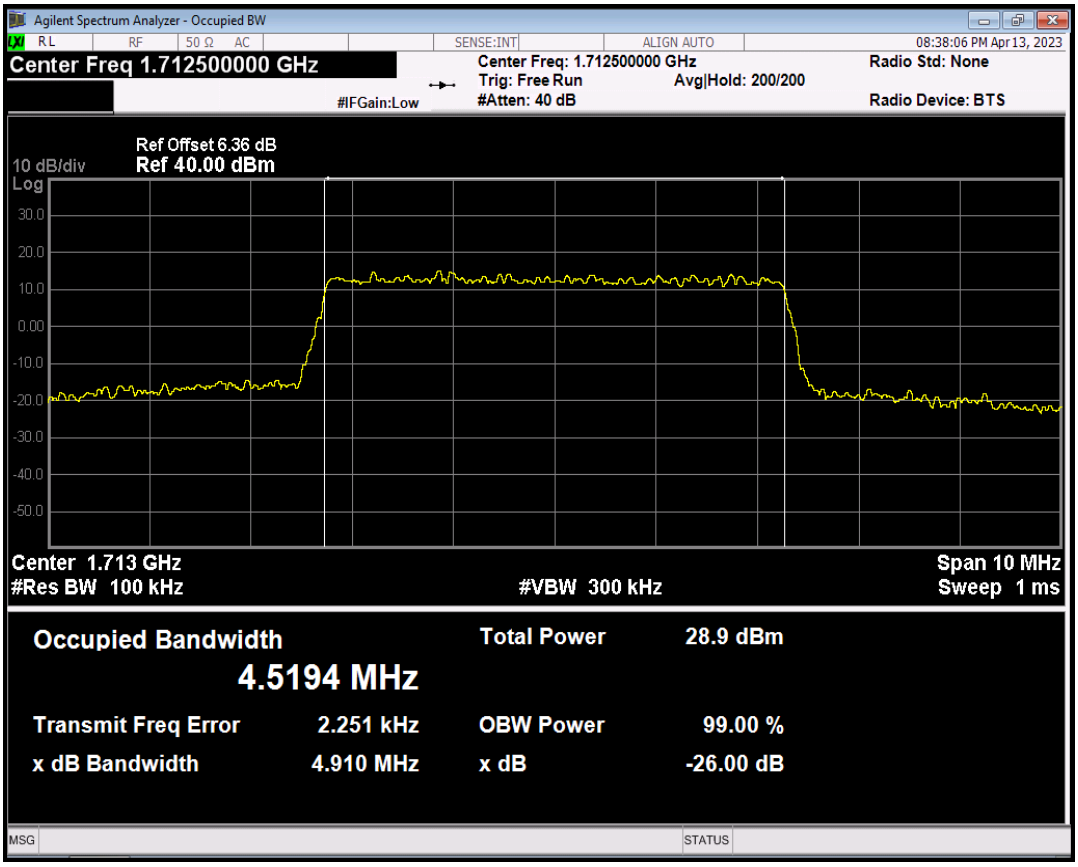
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



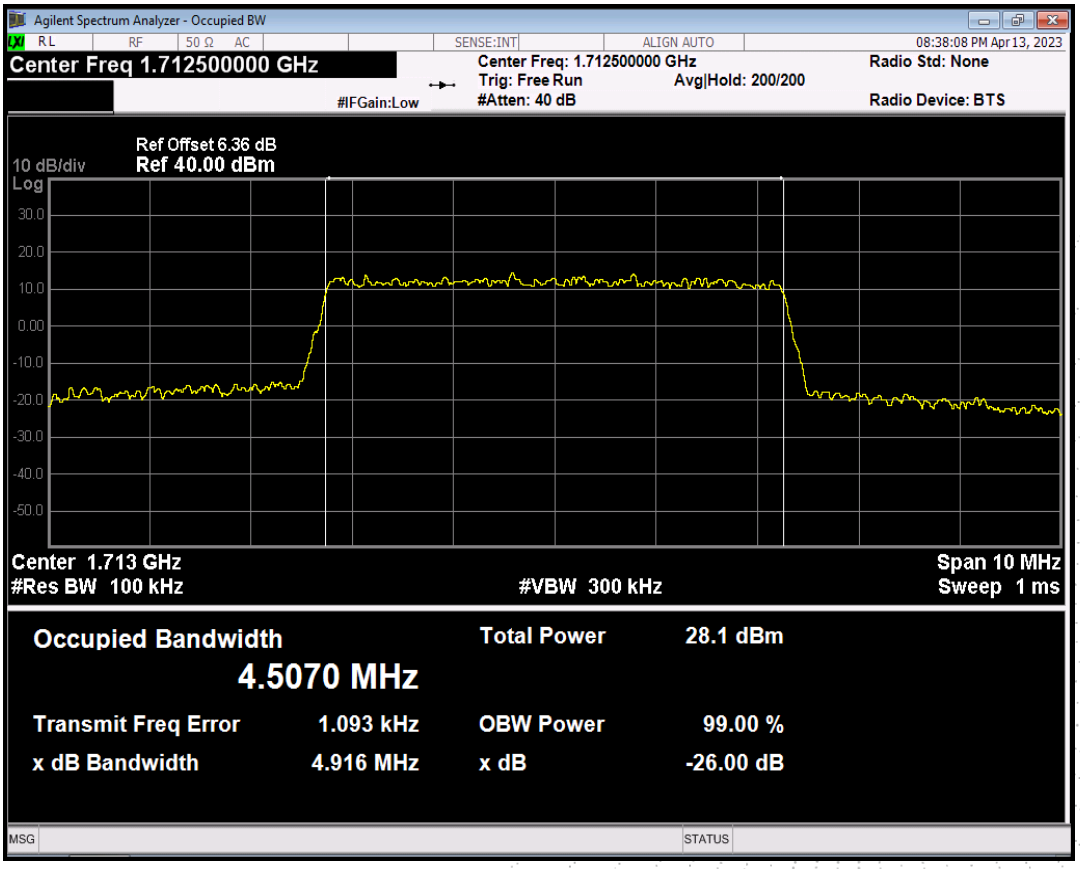
Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



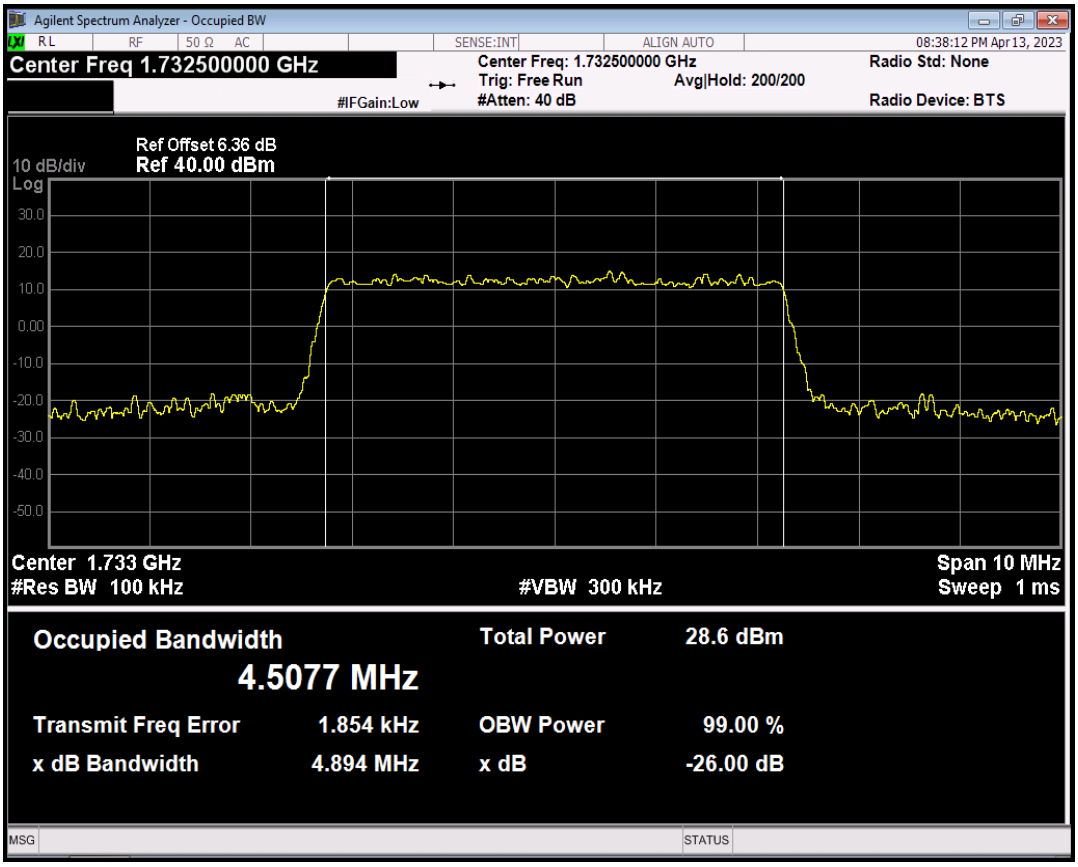
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



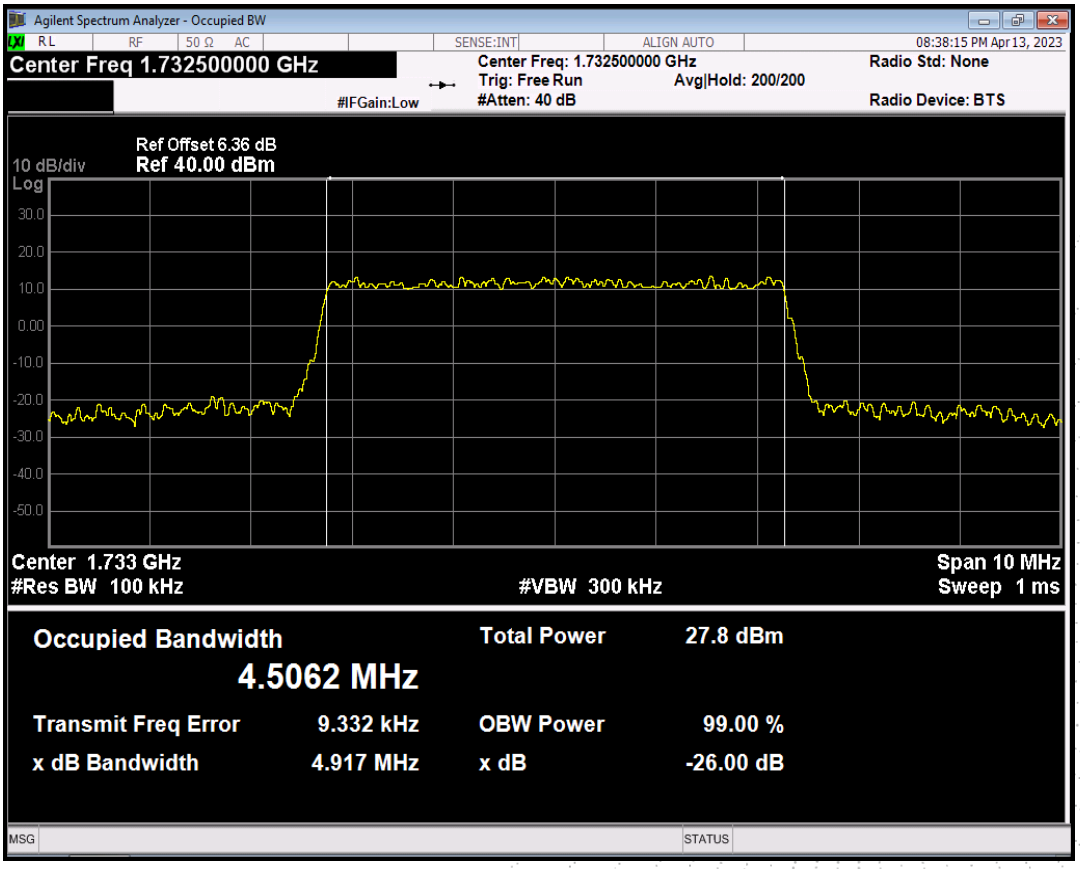
Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0



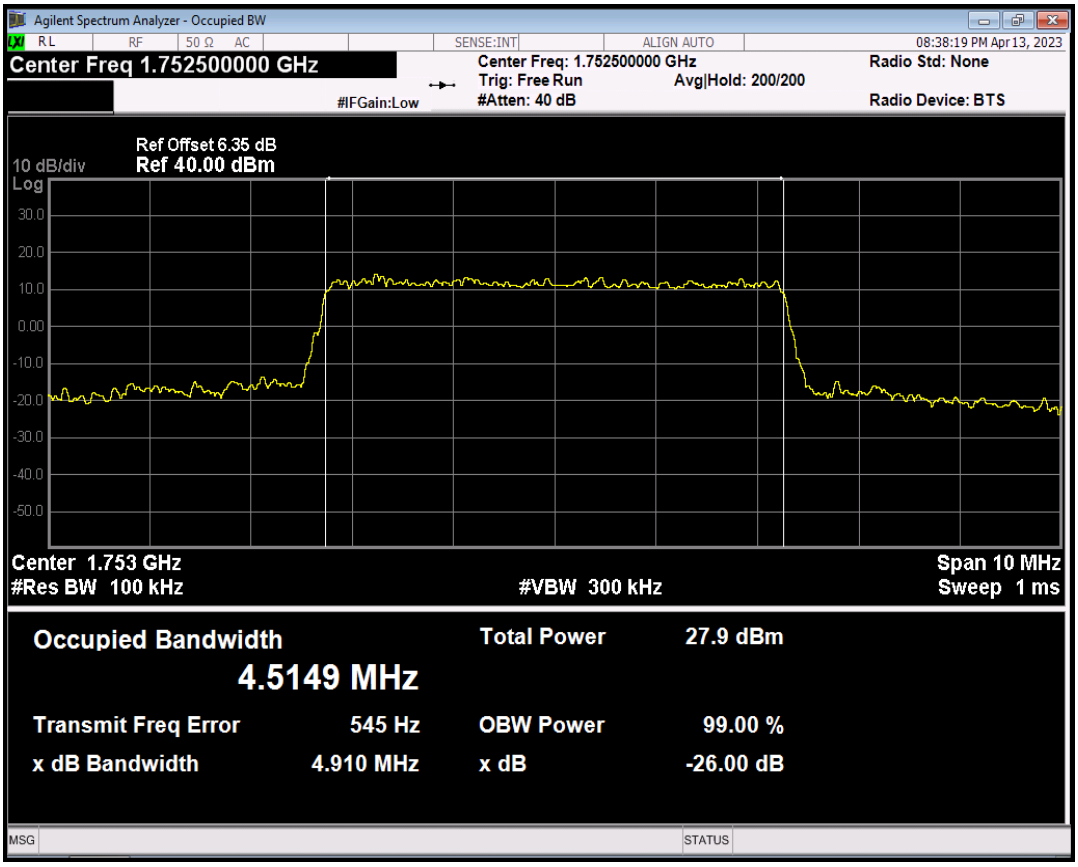
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



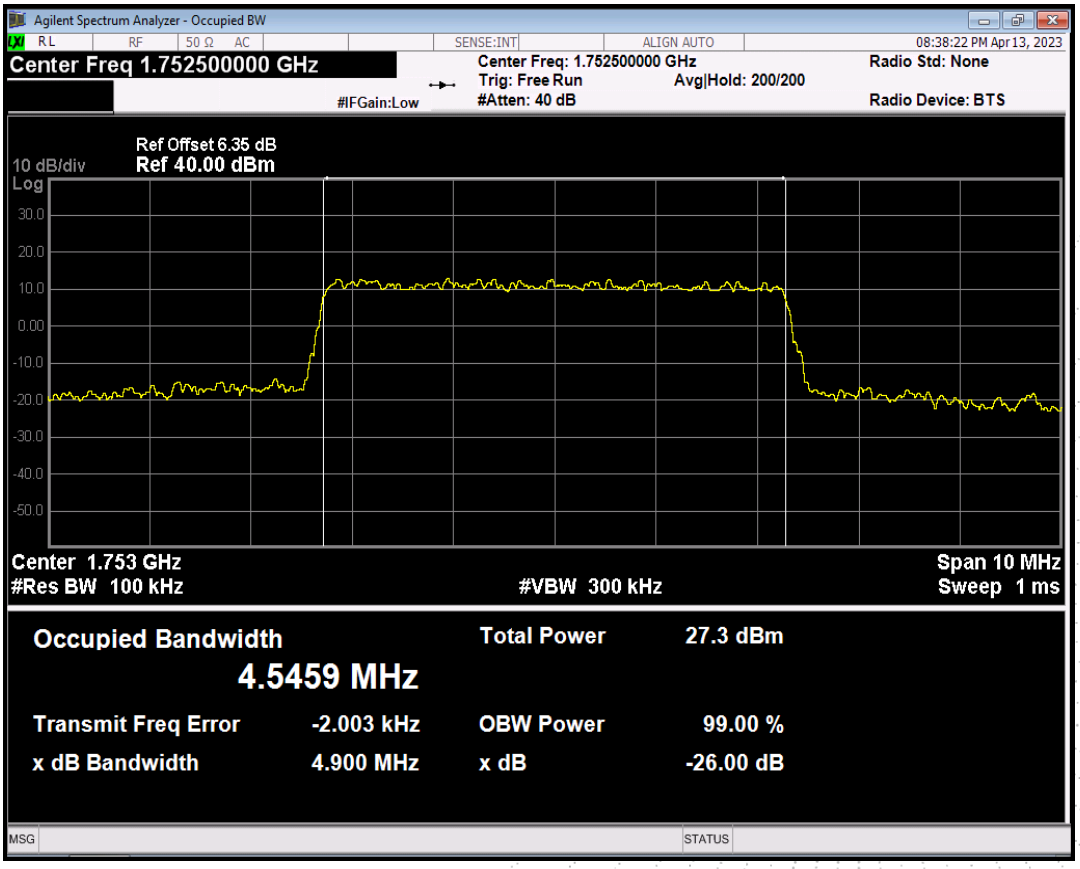
Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0



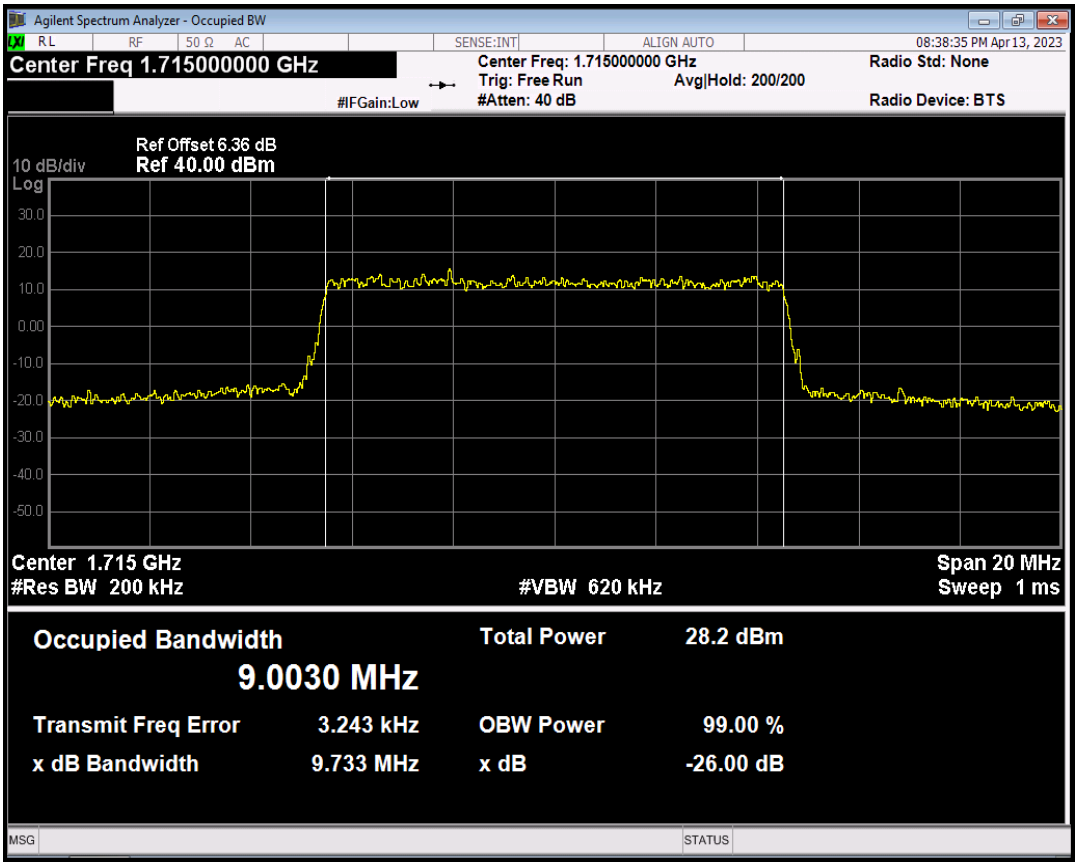
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



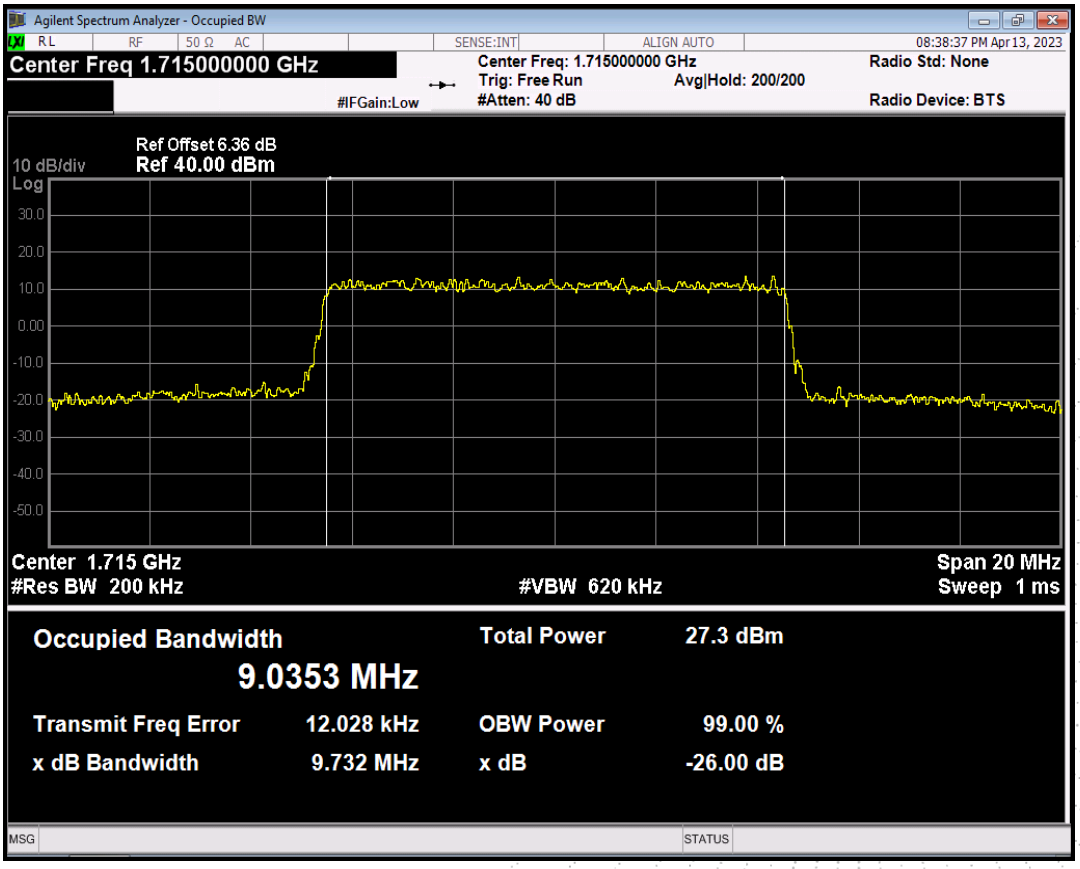
Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



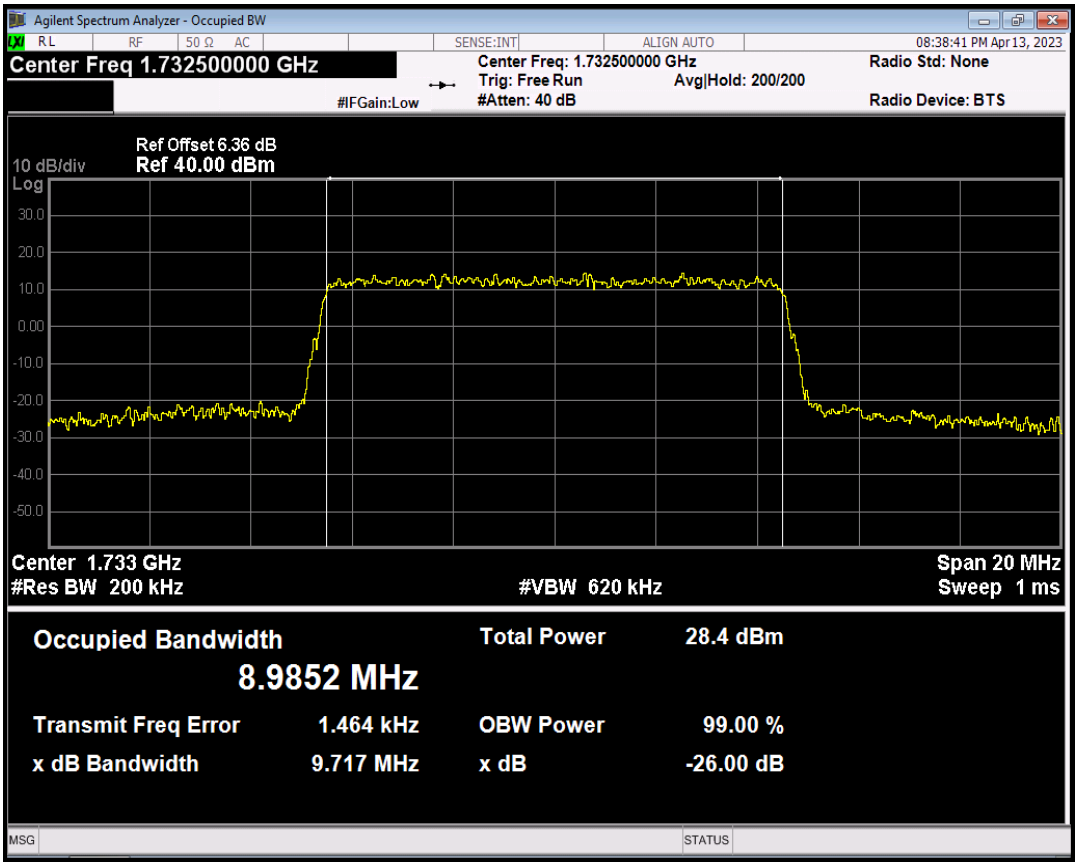
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



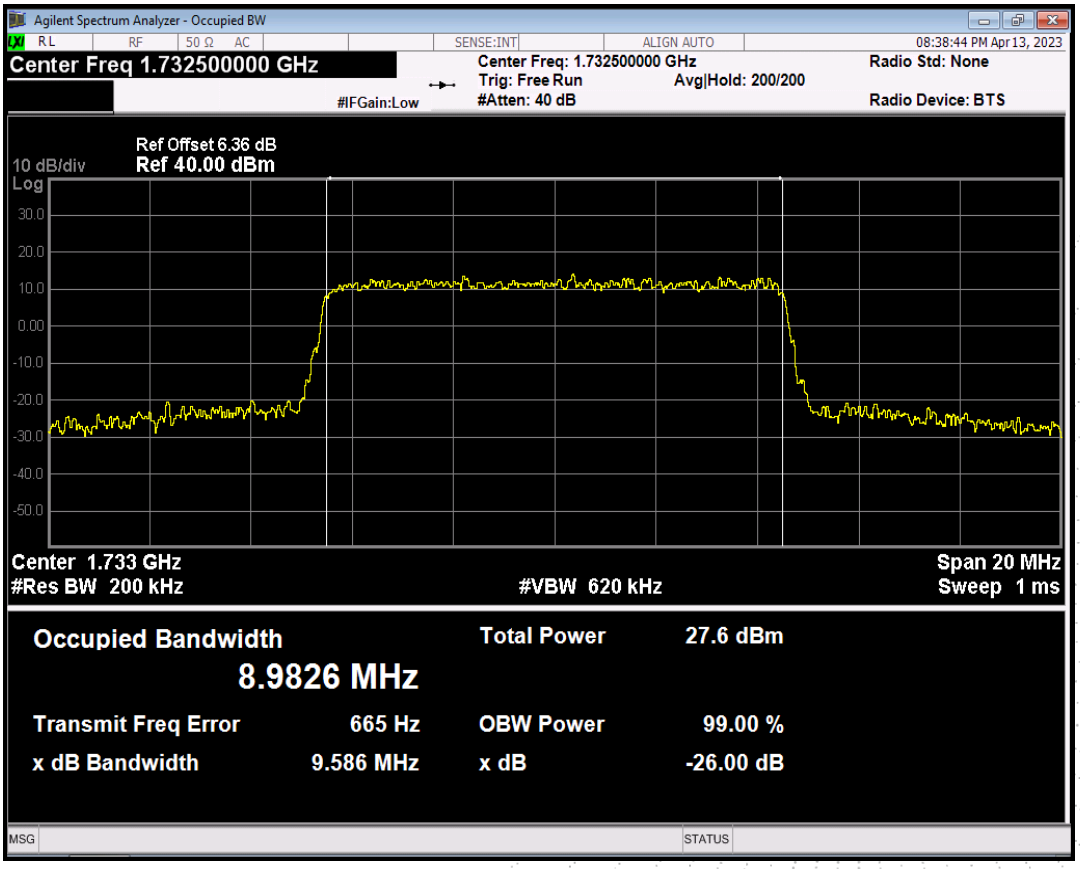
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



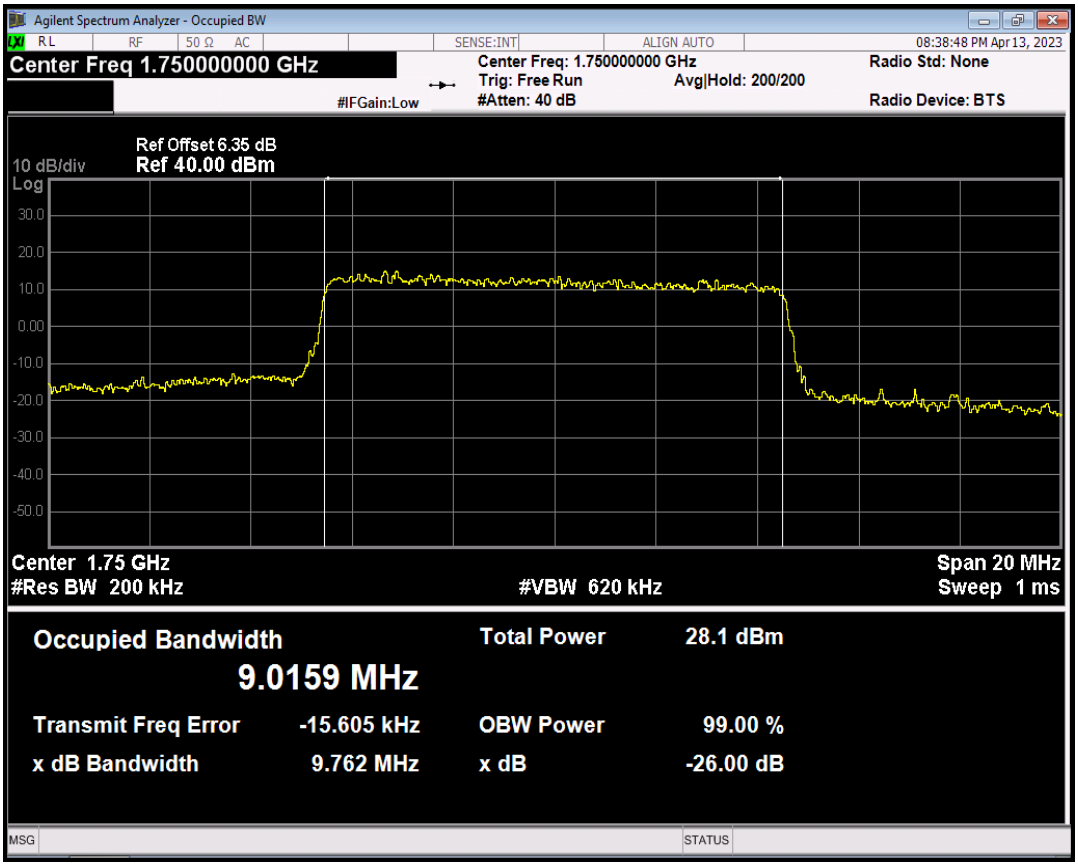
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



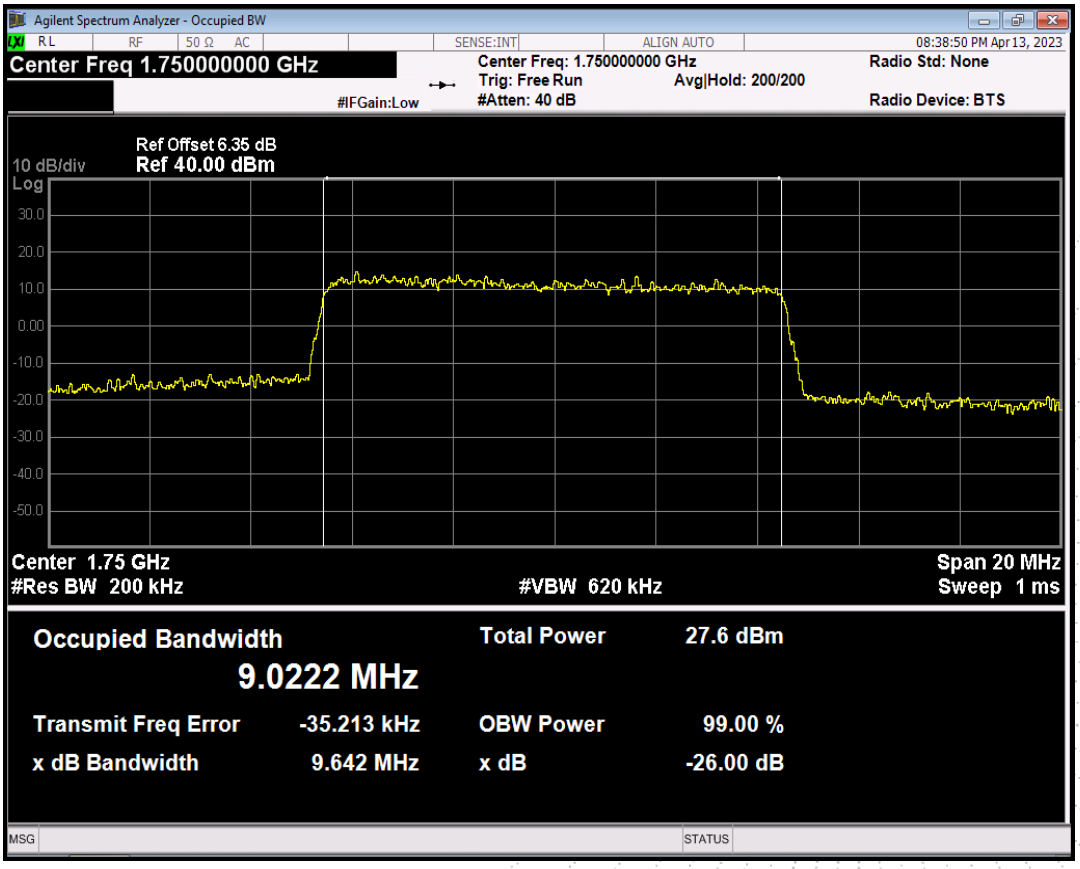
Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0



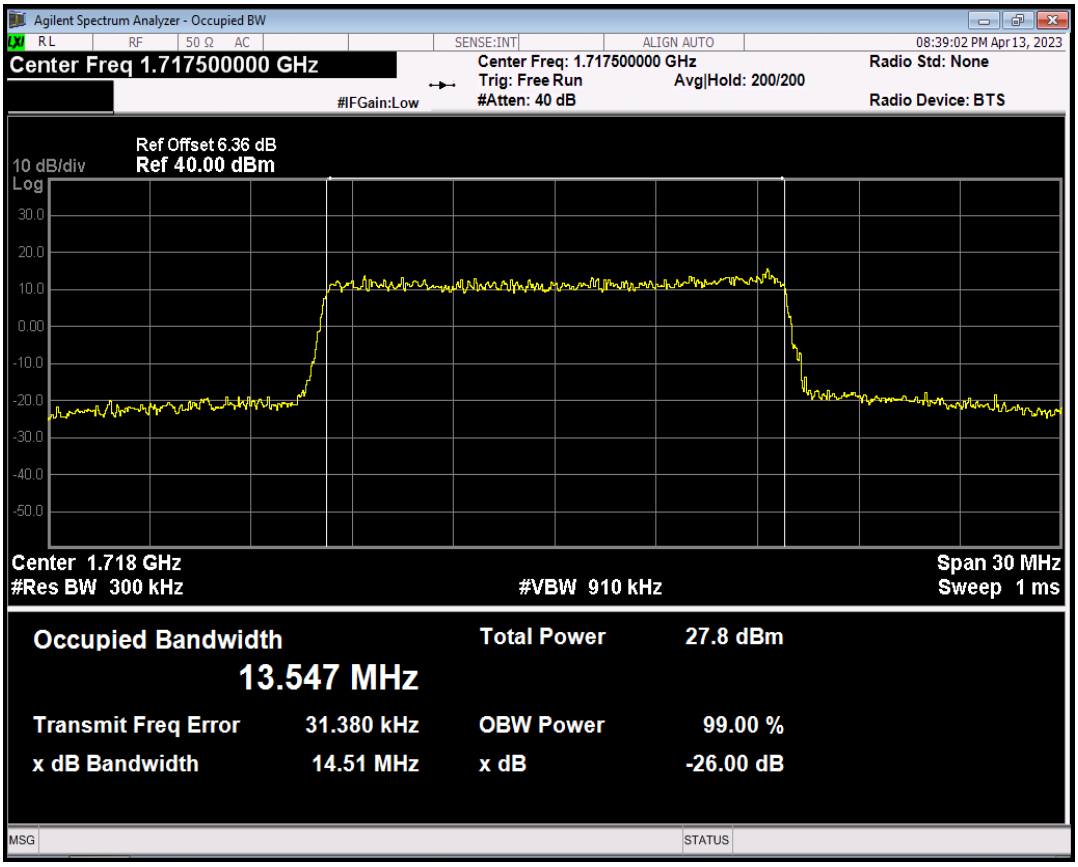
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



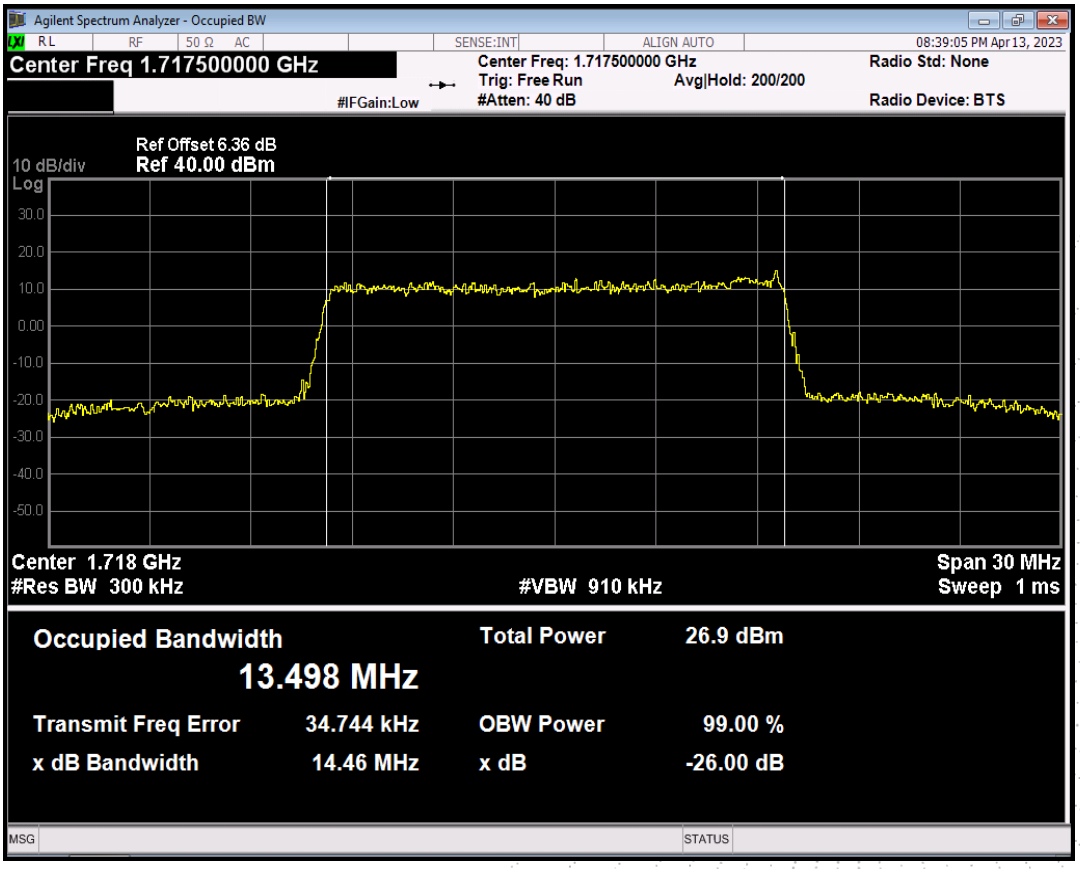
Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



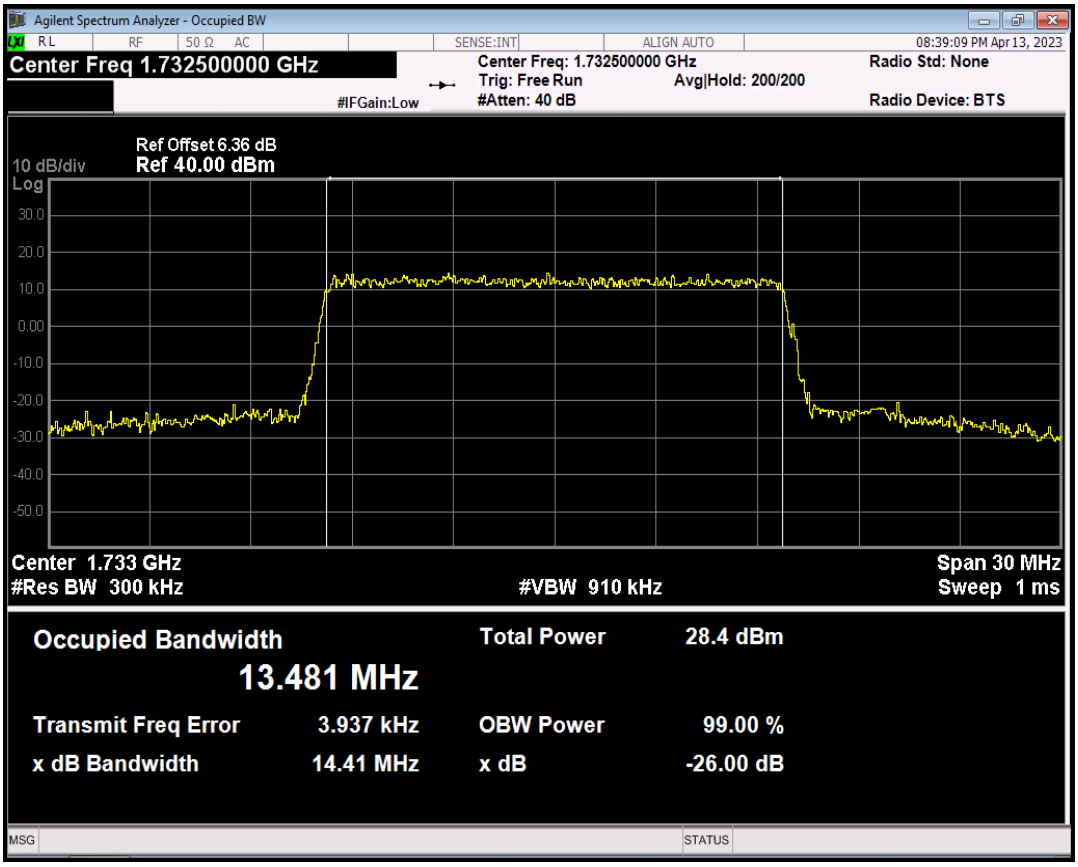
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



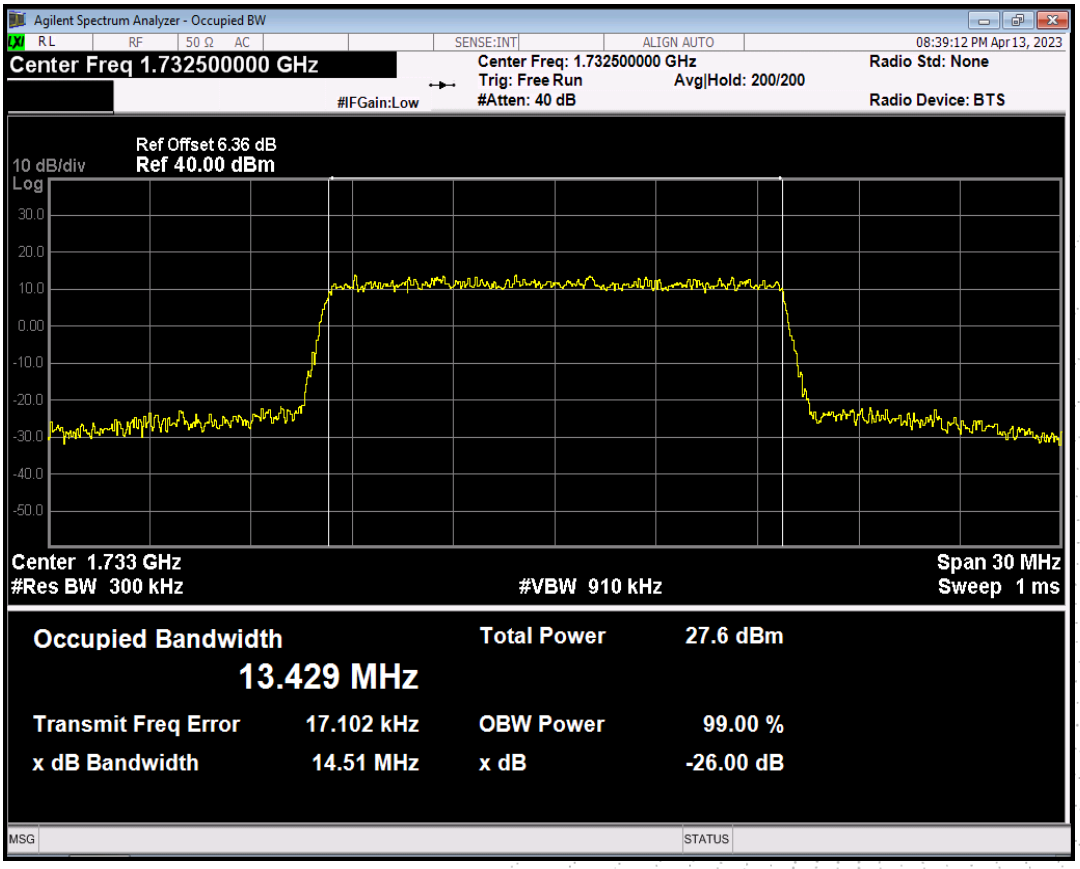
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



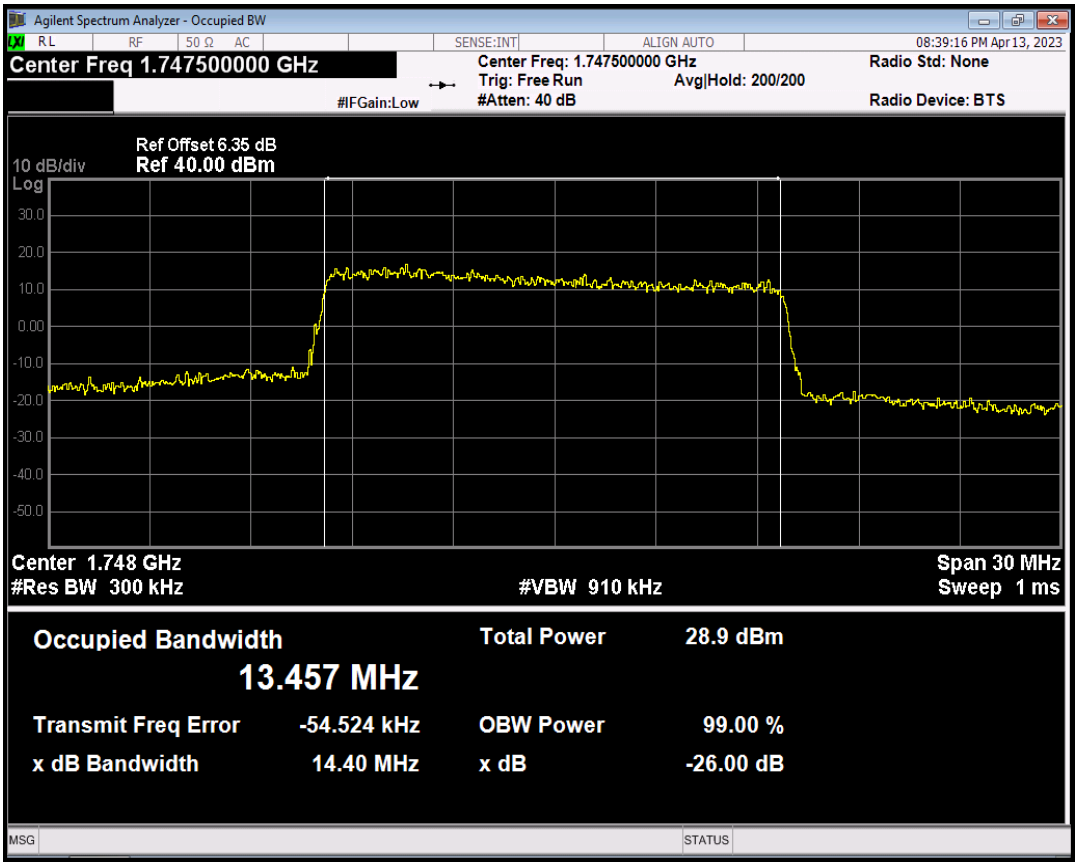
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



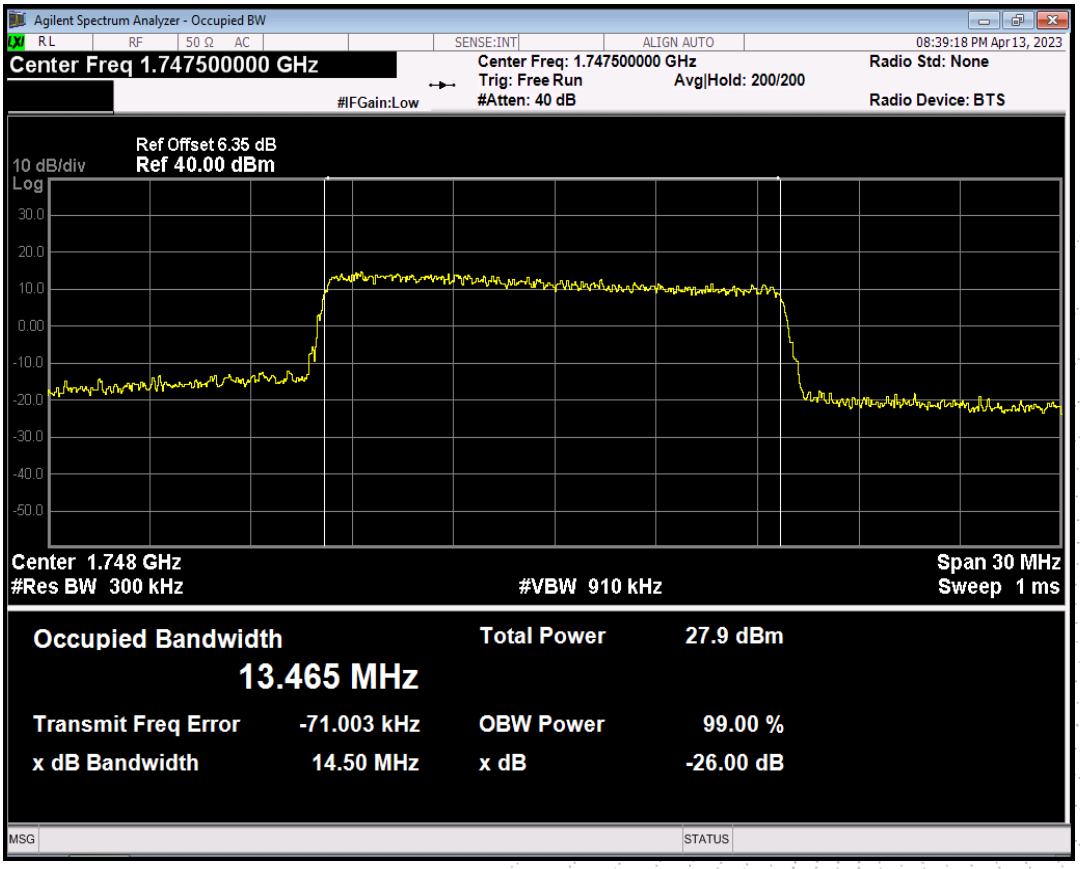
Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0



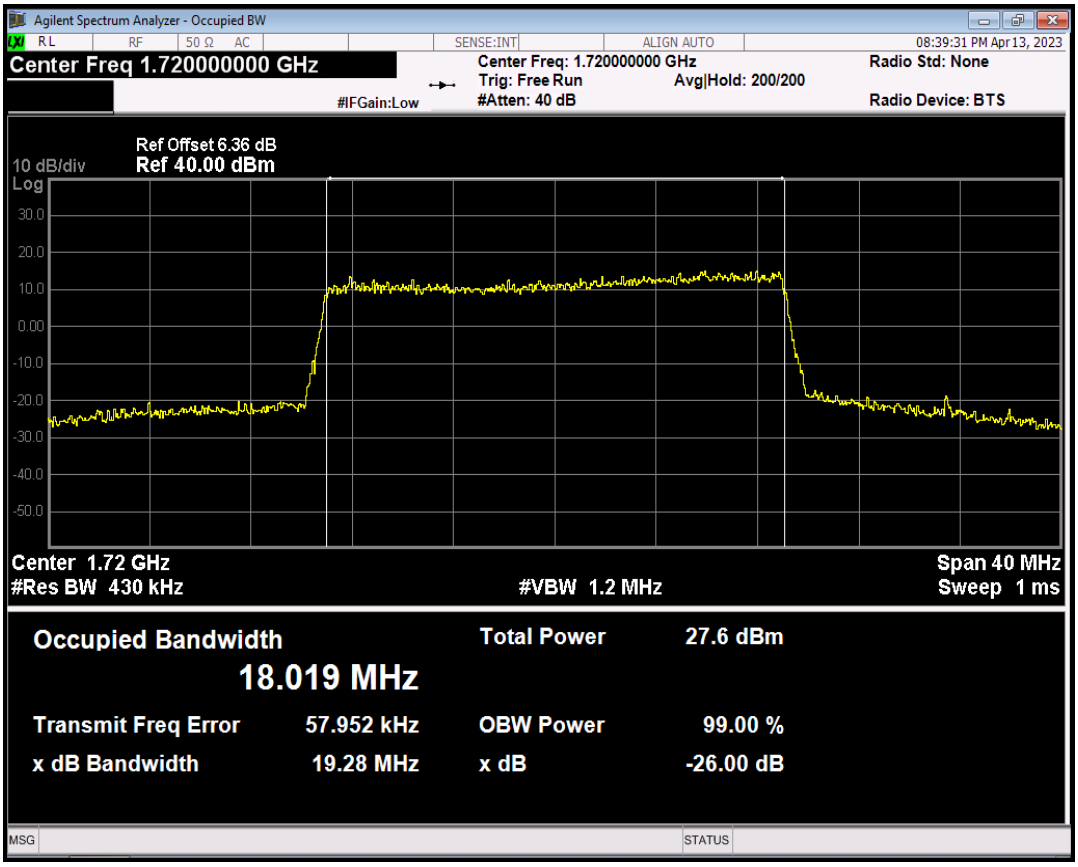
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



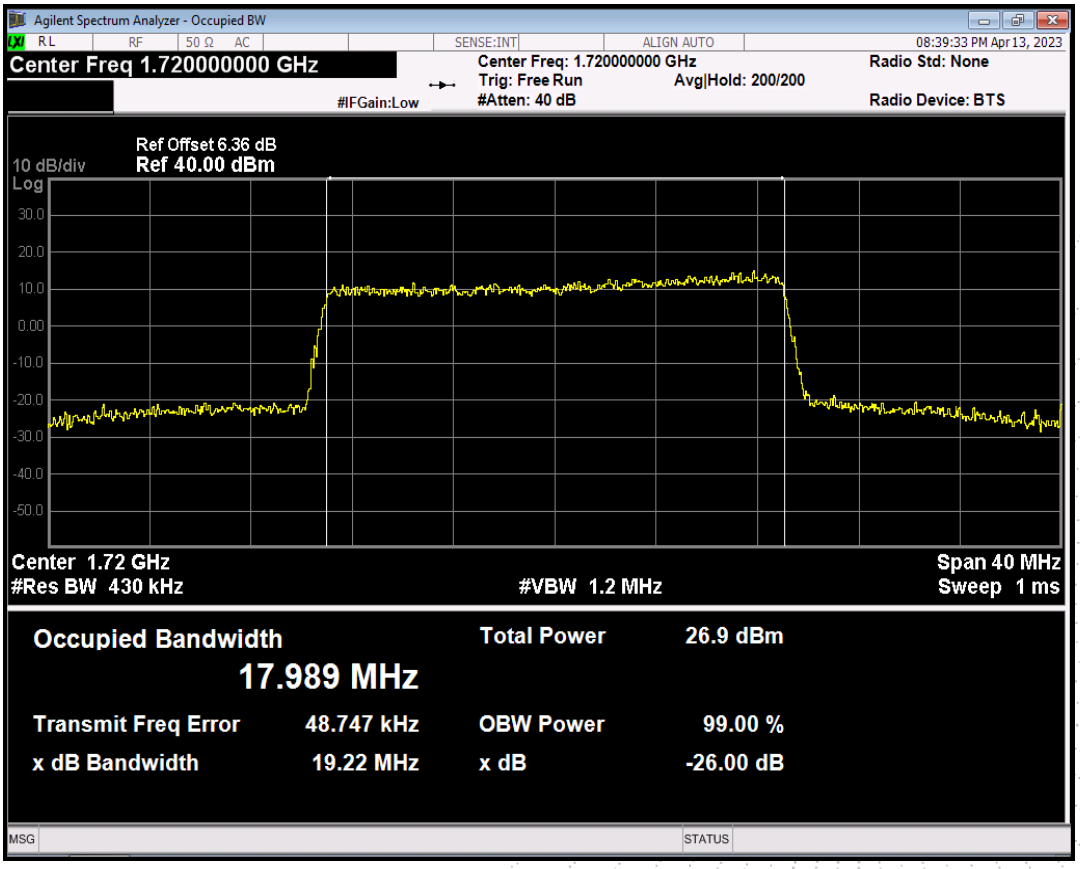
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



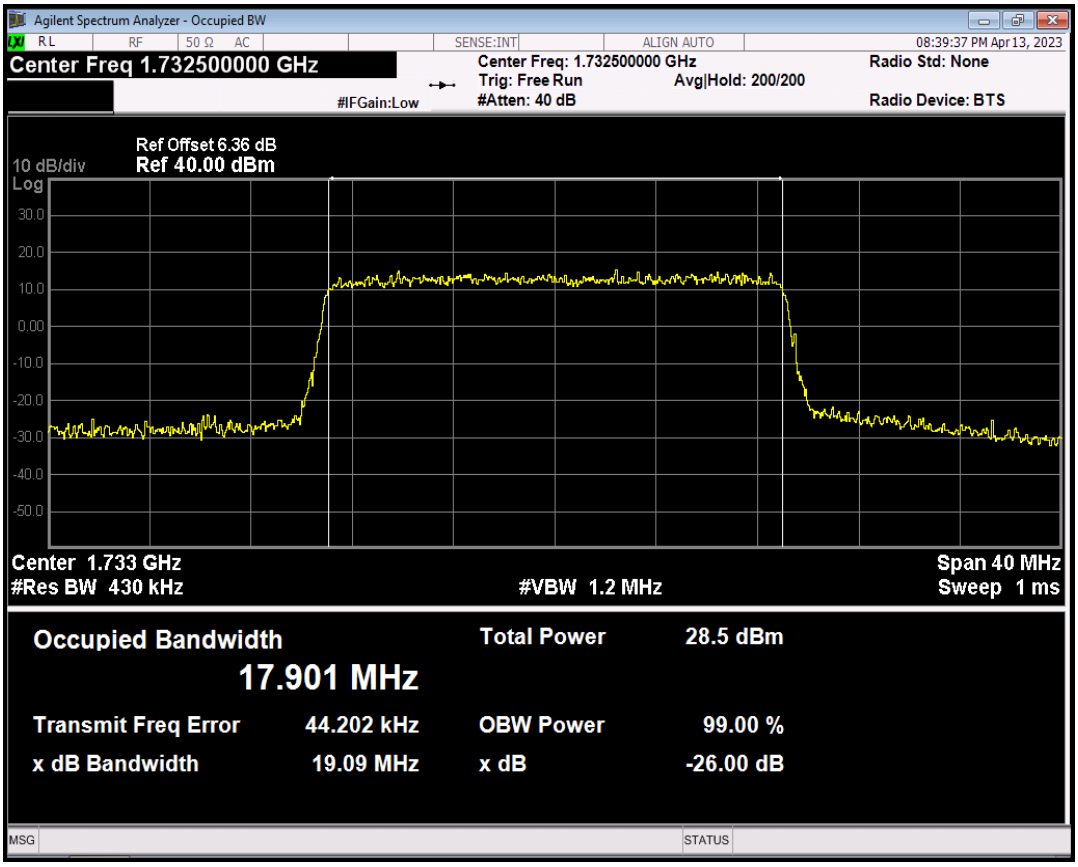
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



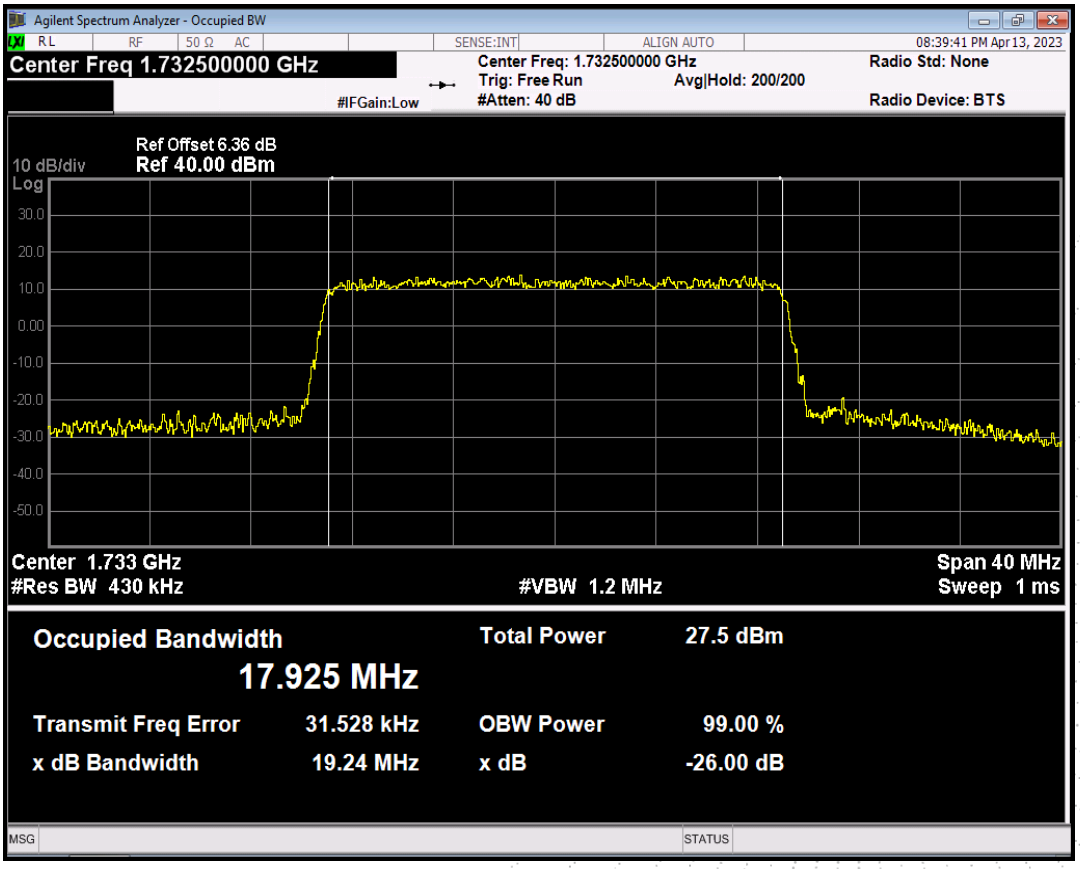
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



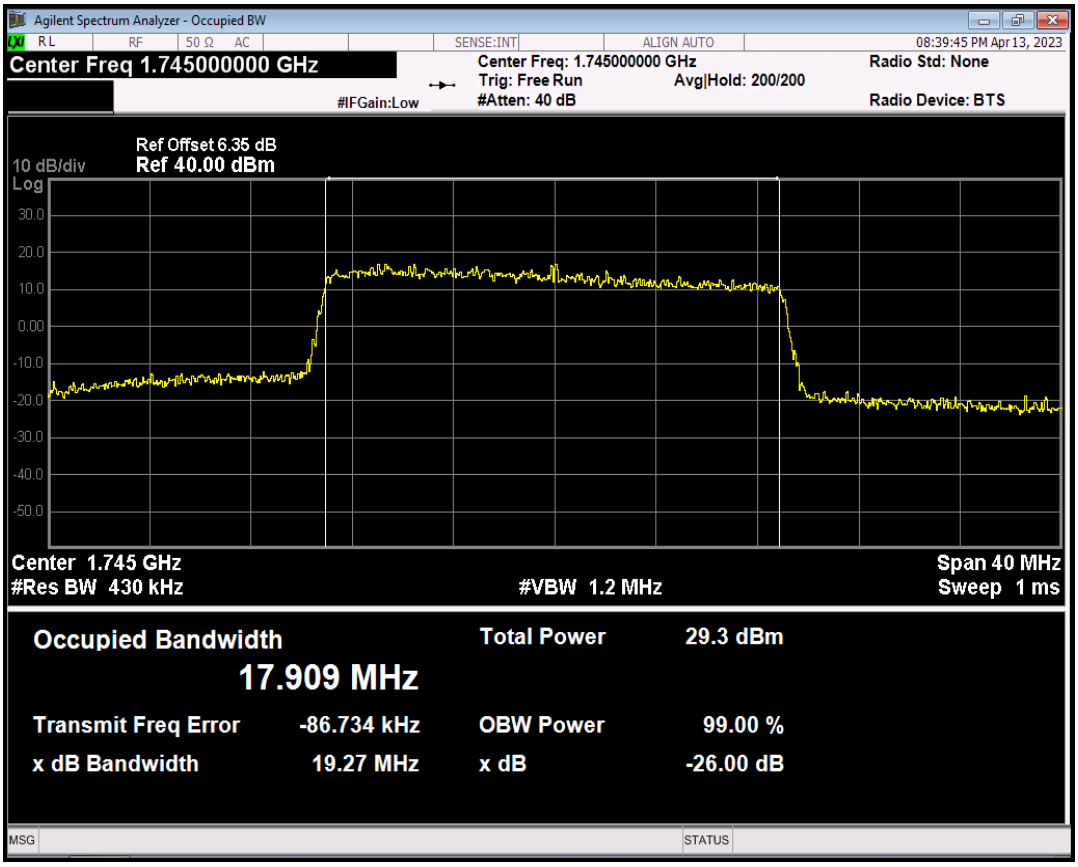
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



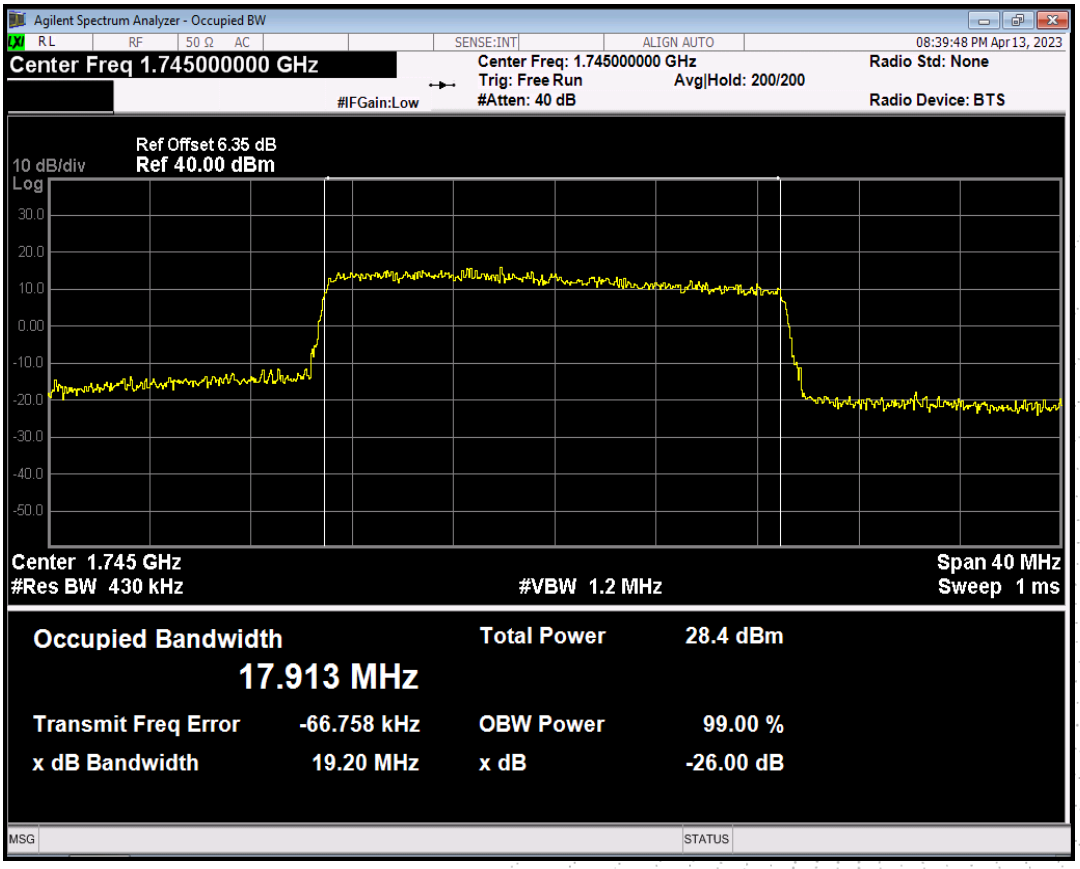
Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0



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



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



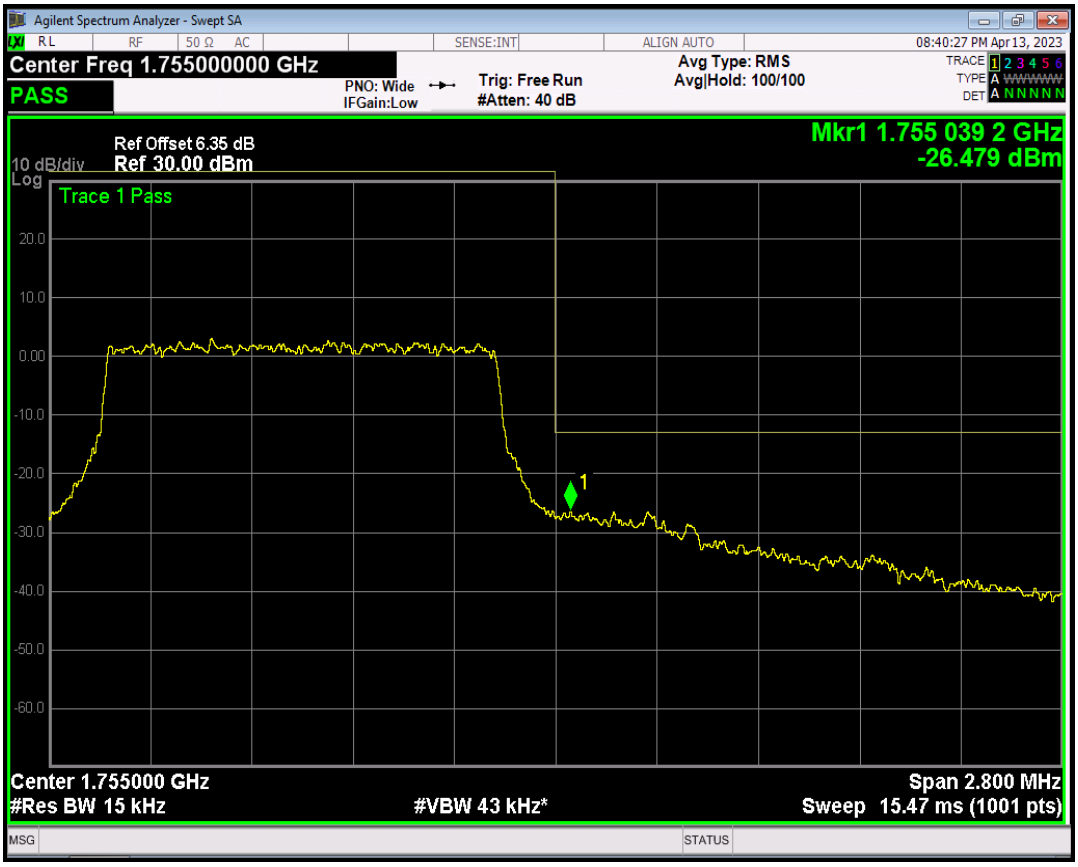
Appendix 5. Band edge

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	1709.92	-25.48	-13	PASS
Band4	1.4	19957	6	#0	QAM16	1709.74	-25.95	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.04	-26.47	-13	PASS
Band4	1.4	20393	6	#0	QAM16	1755.04	-26.82	-13	PASS
Band4	3	19965	15	#0	QPSK	1709.99	-25.31	-13	PASS
Band4	3	19965	15	#0	QAM16	1710.00	-25.68	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.08	-26.58	-13	PASS
Band4	3	20385	15	#0	QAM16	1755.04	-27.69	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.73	-26.16	-13	PASS
Band4	5	19975	25	#0	QAM16	1709.81	-27.13	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.04	-27.61	-13	PASS
Band4	5	20375	25	#0	QAM16	1755.04	-28.74	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.56	-27.48	-13	PASS
Band4	10	20000	50	#0	QAM16	1709.58	-28.45	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.38	-28.94	-13	PASS
Band4	10	20350	50	#0	QAM16	1755.00	-29.93	-13	PASS
Band4	15	20025	75	#0	QPSK	1705.98	-30.30	-13	PASS
Band4	15	20025	75	#0	QAM16	1707.09	-30.10	-13	PASS
Band4	15	20325	75	#0	QPSK	1756.89	-28.63	-13	PASS
Band4	15	20325	75	#0	QAM16	1757.31	-29.78	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.36	-32.11	-13	PASS
Band4	20	20050	100	#0	QAM16	1710.00	-33.00	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.08	-30.21	-13	PASS
Band4	20	20300	100	#0	QAM16	1755.04	-31.17	-13	PASS

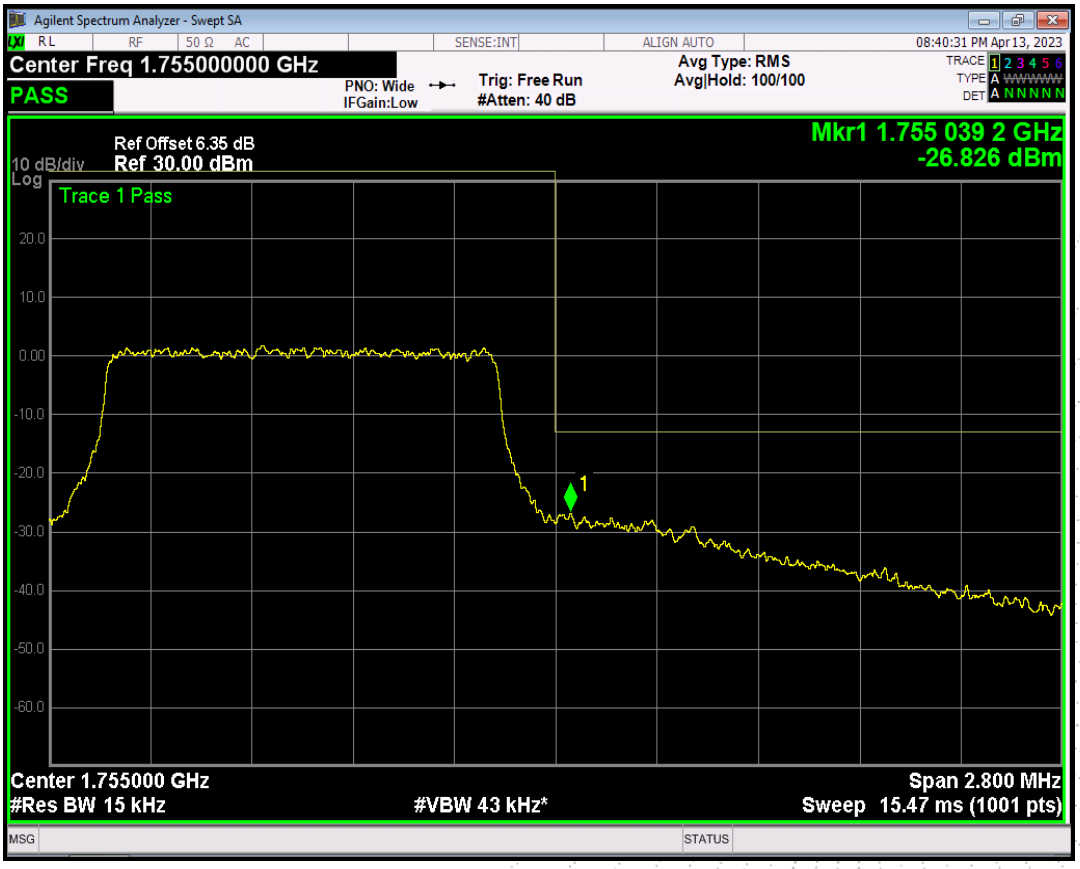
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0

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

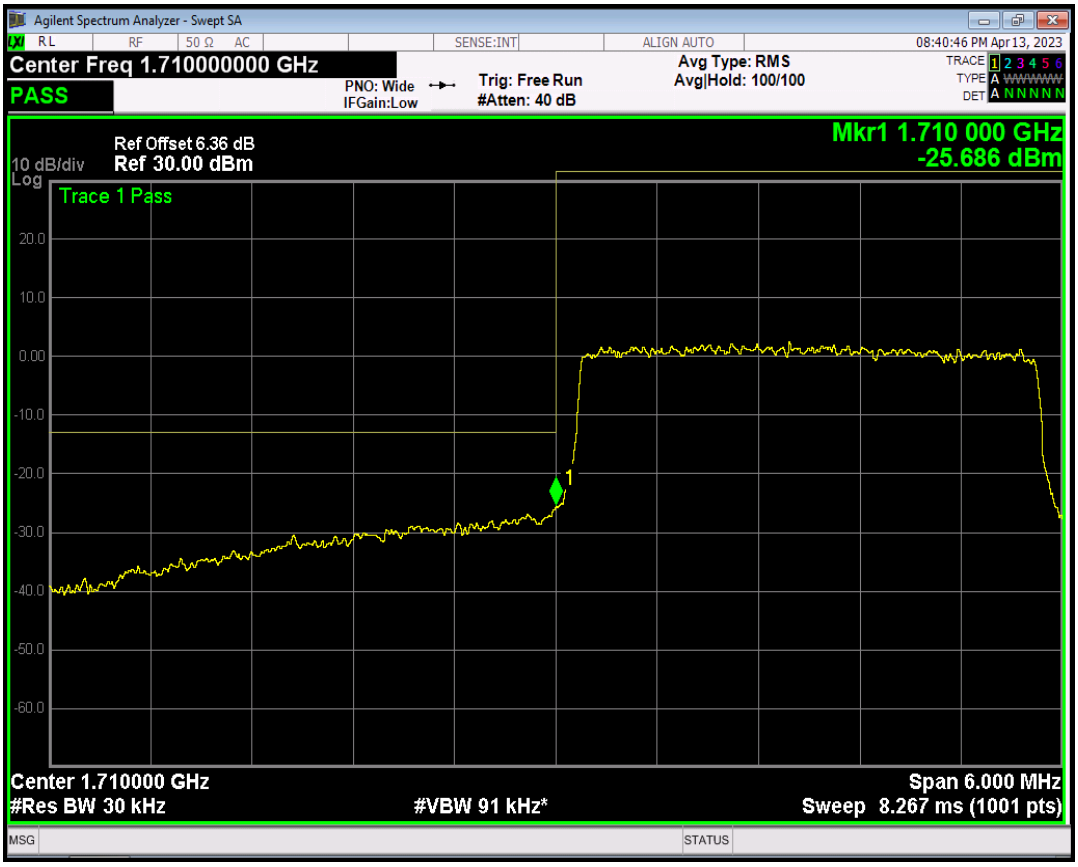
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



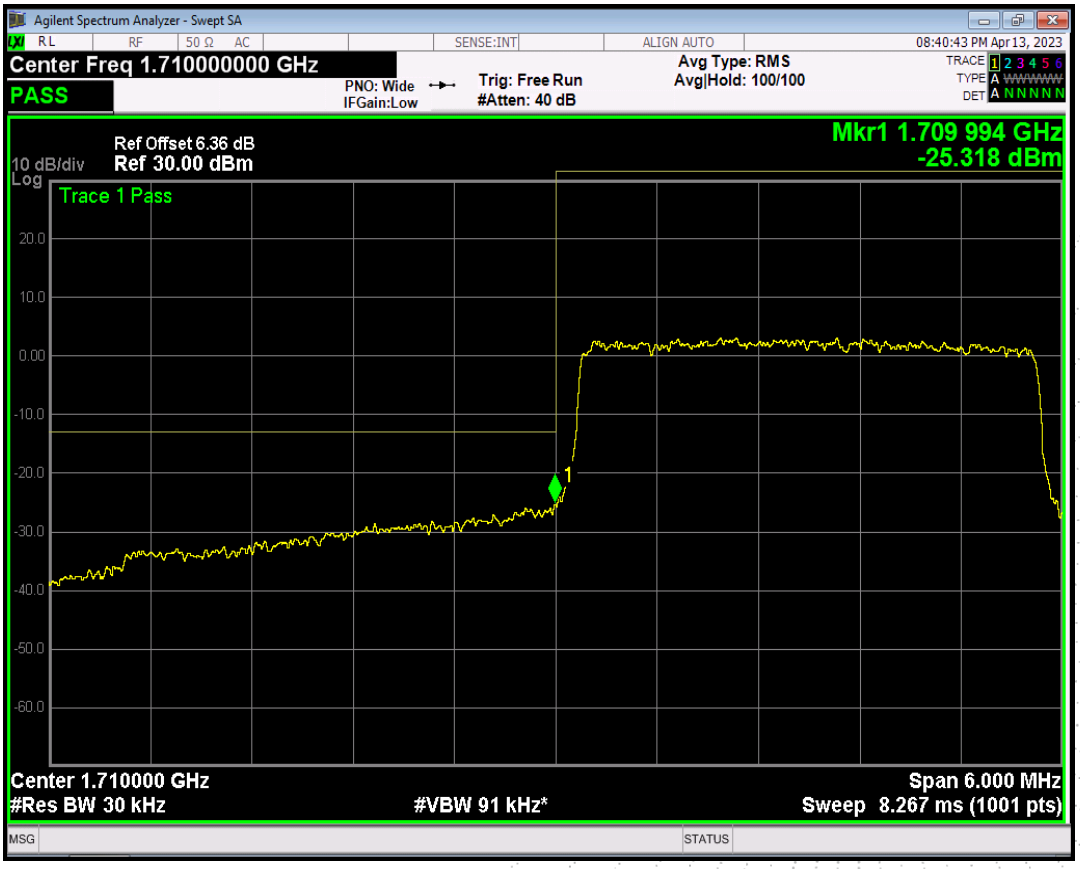
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



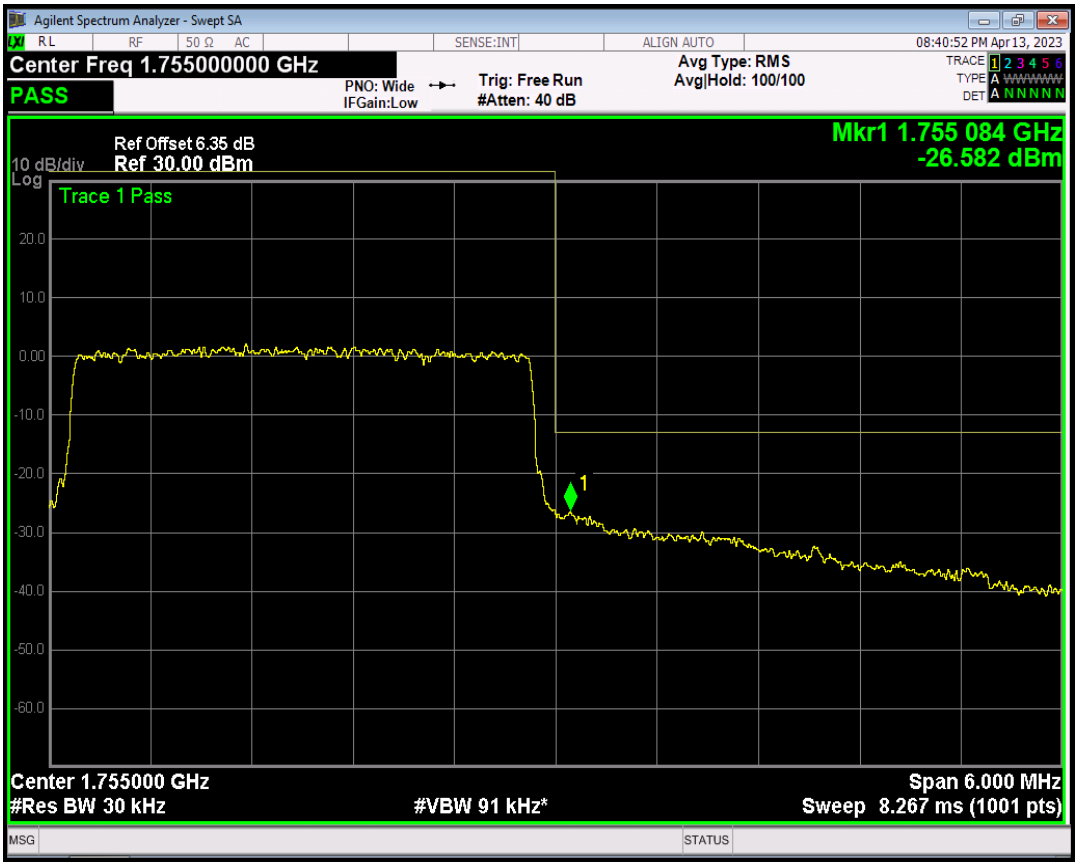
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



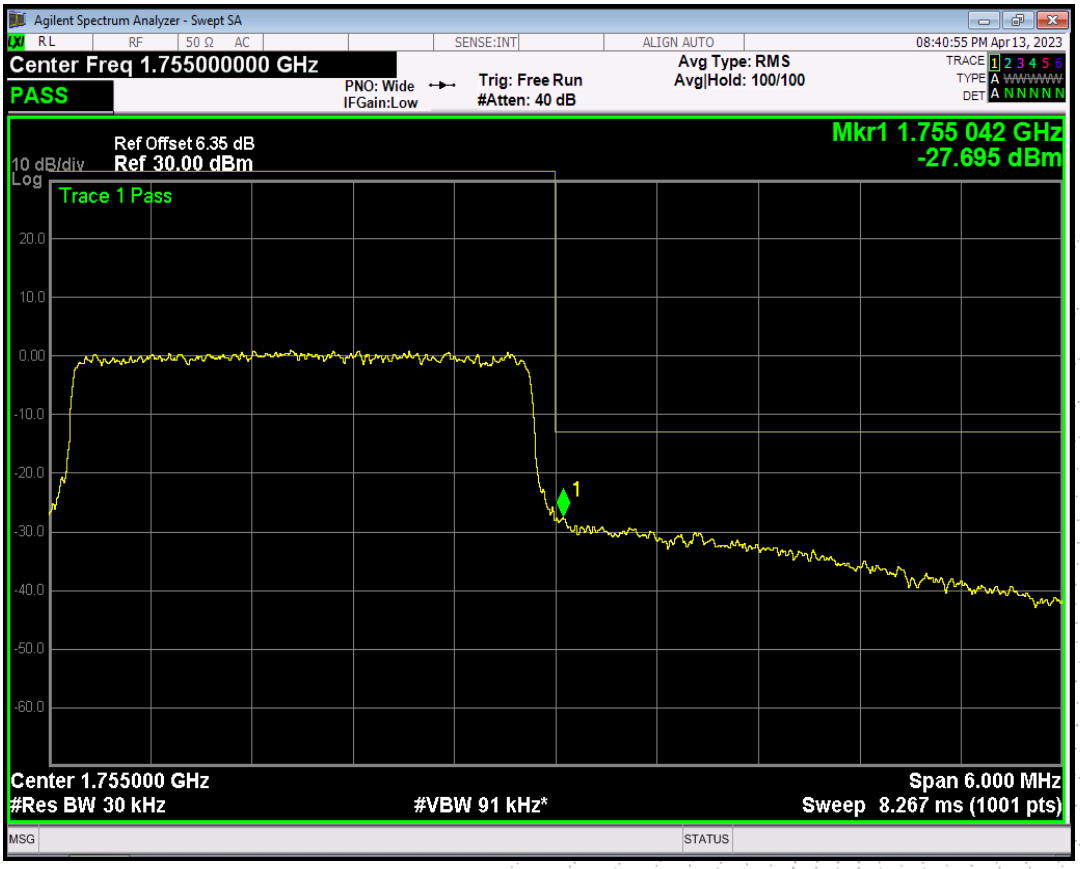
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



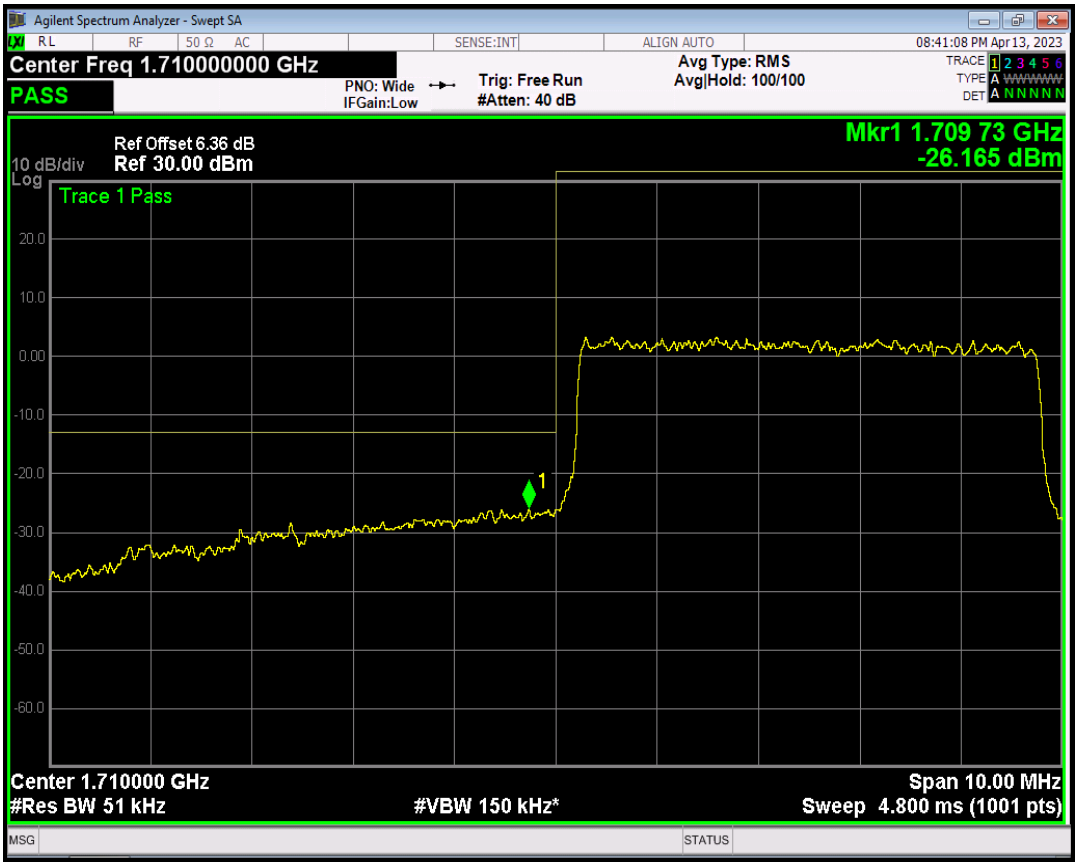
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



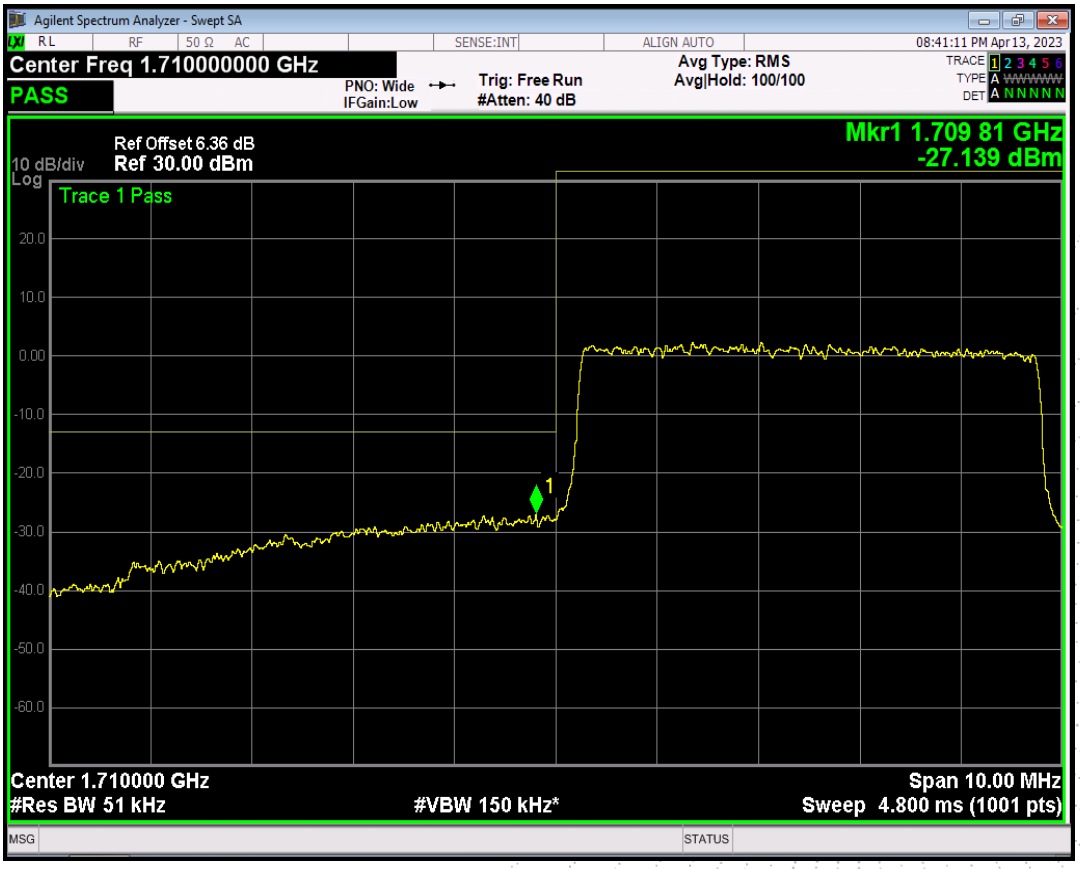
Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



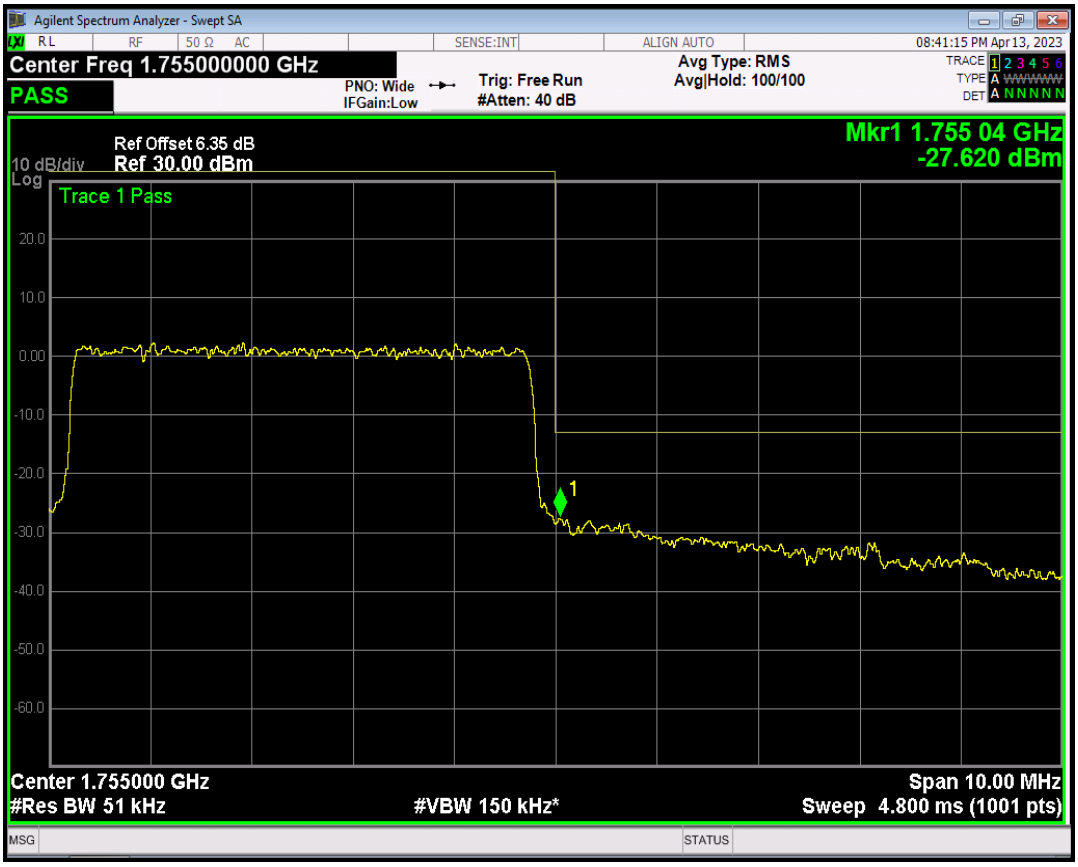
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



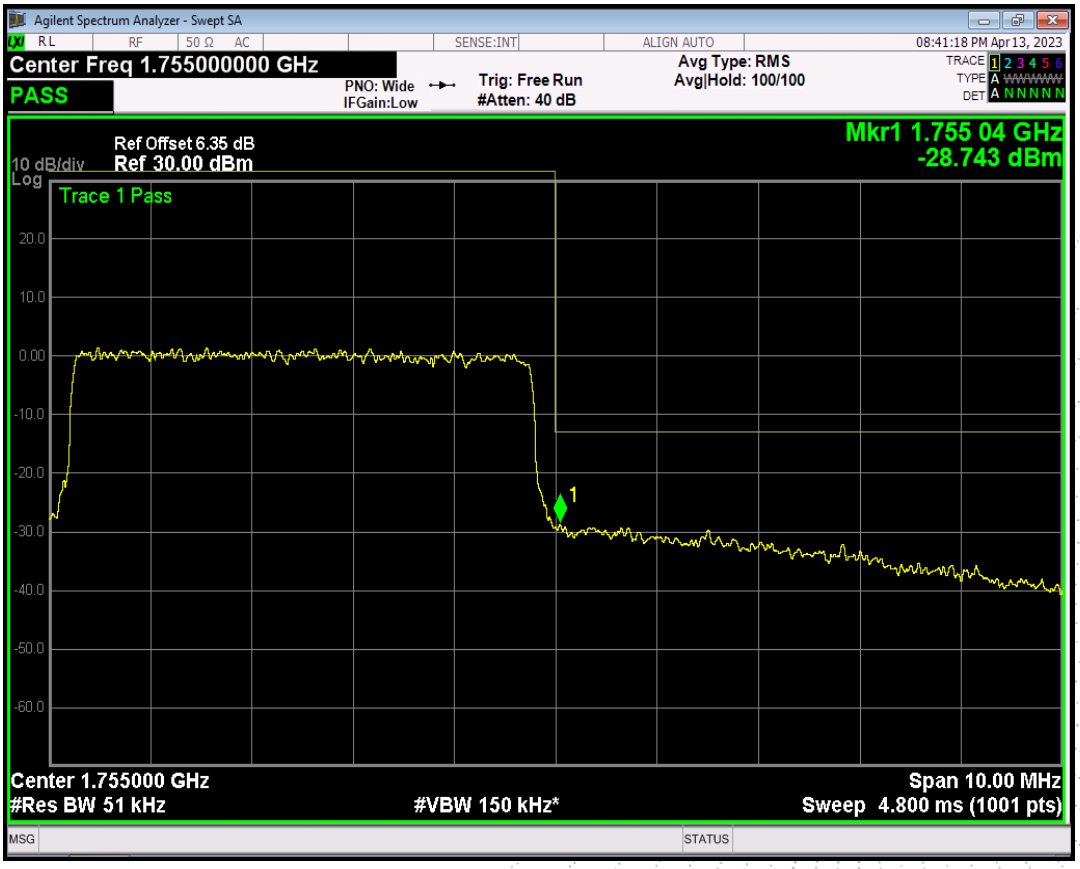
Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0



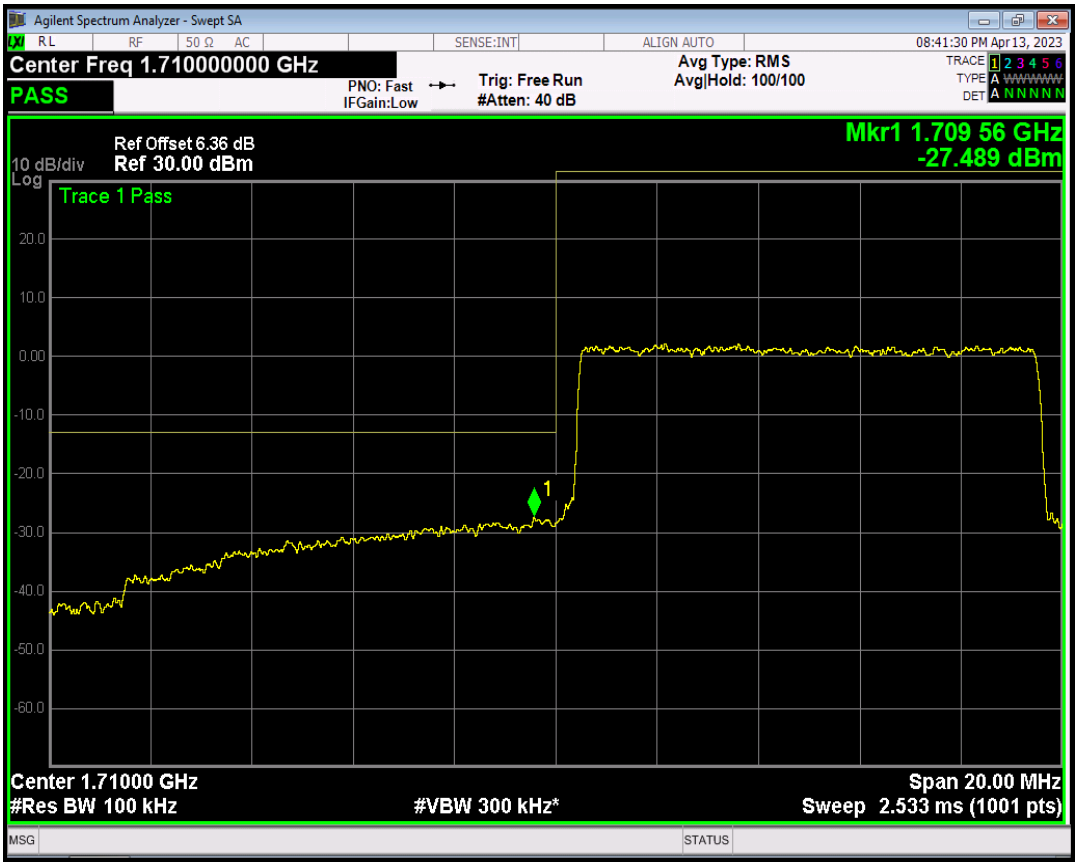
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



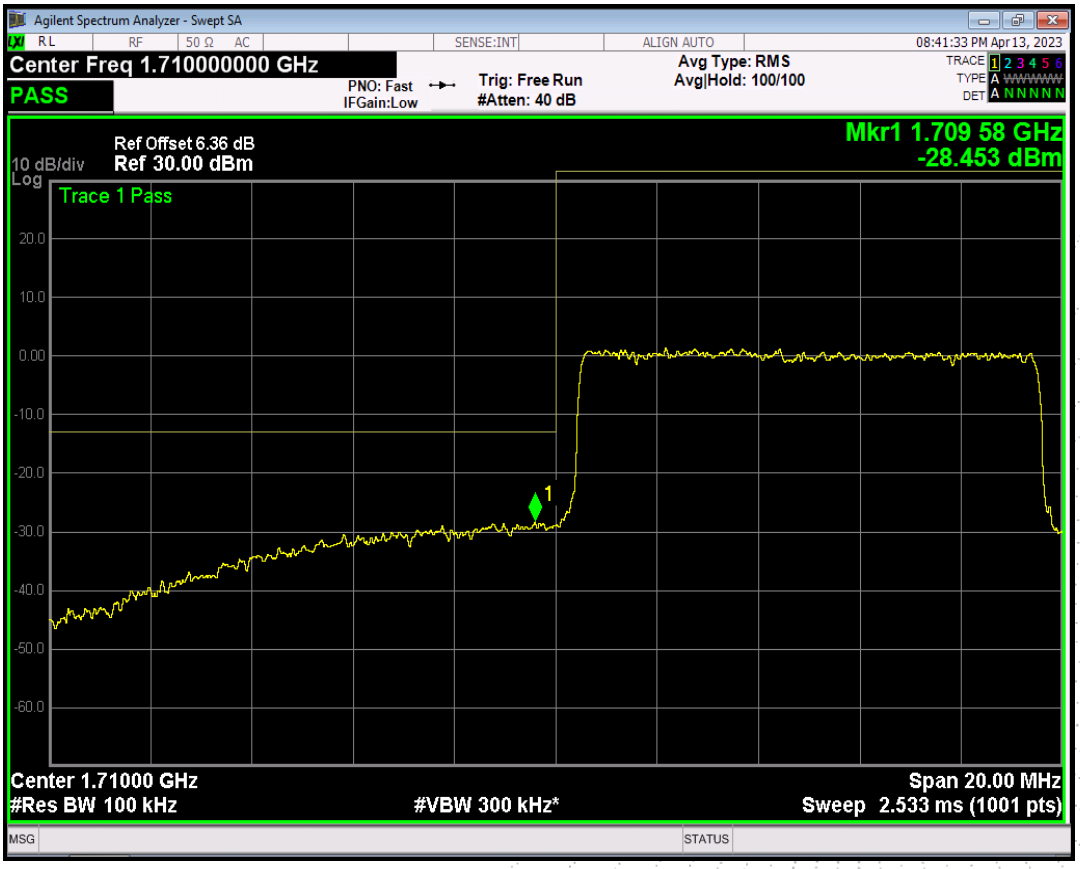
Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



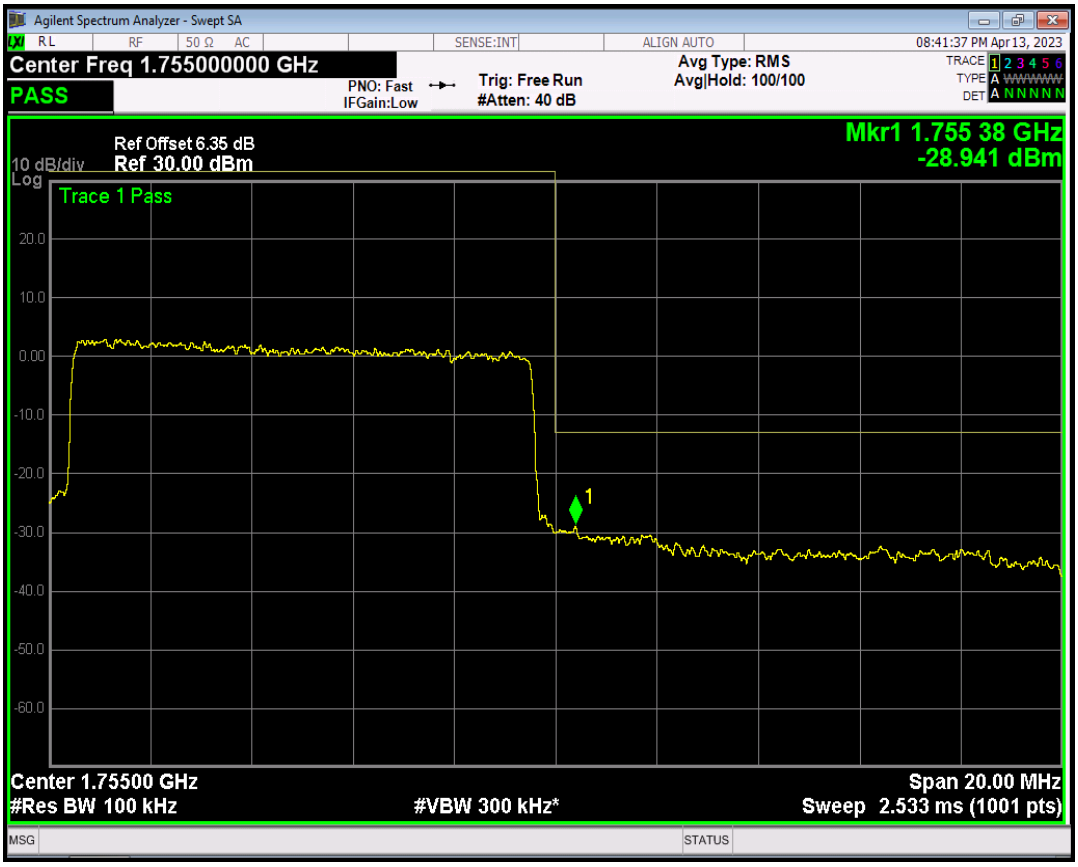
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



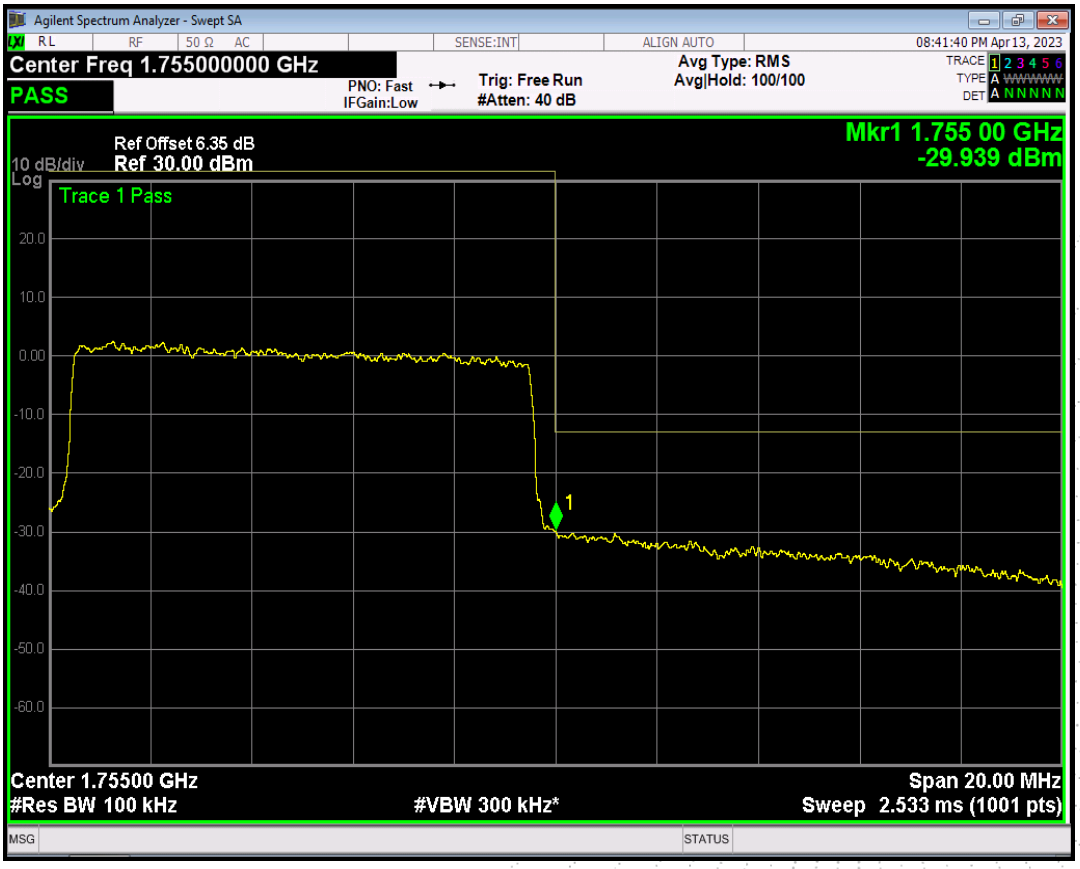
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



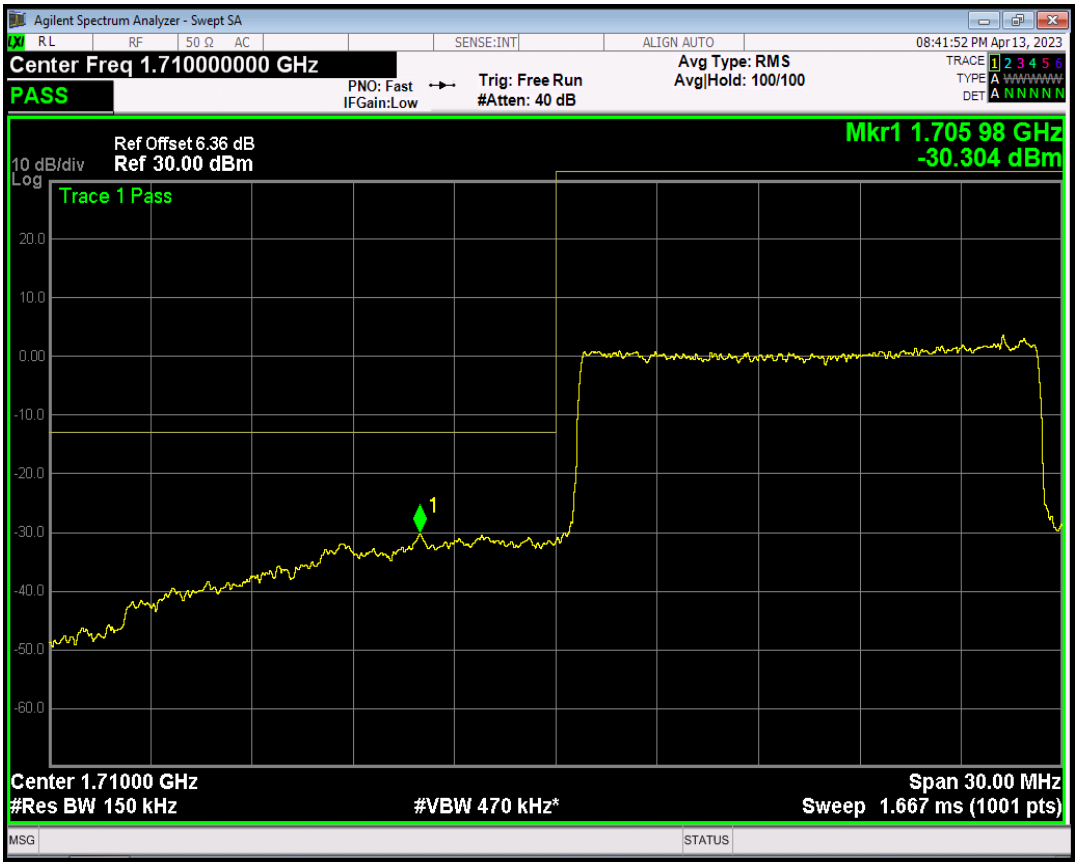
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



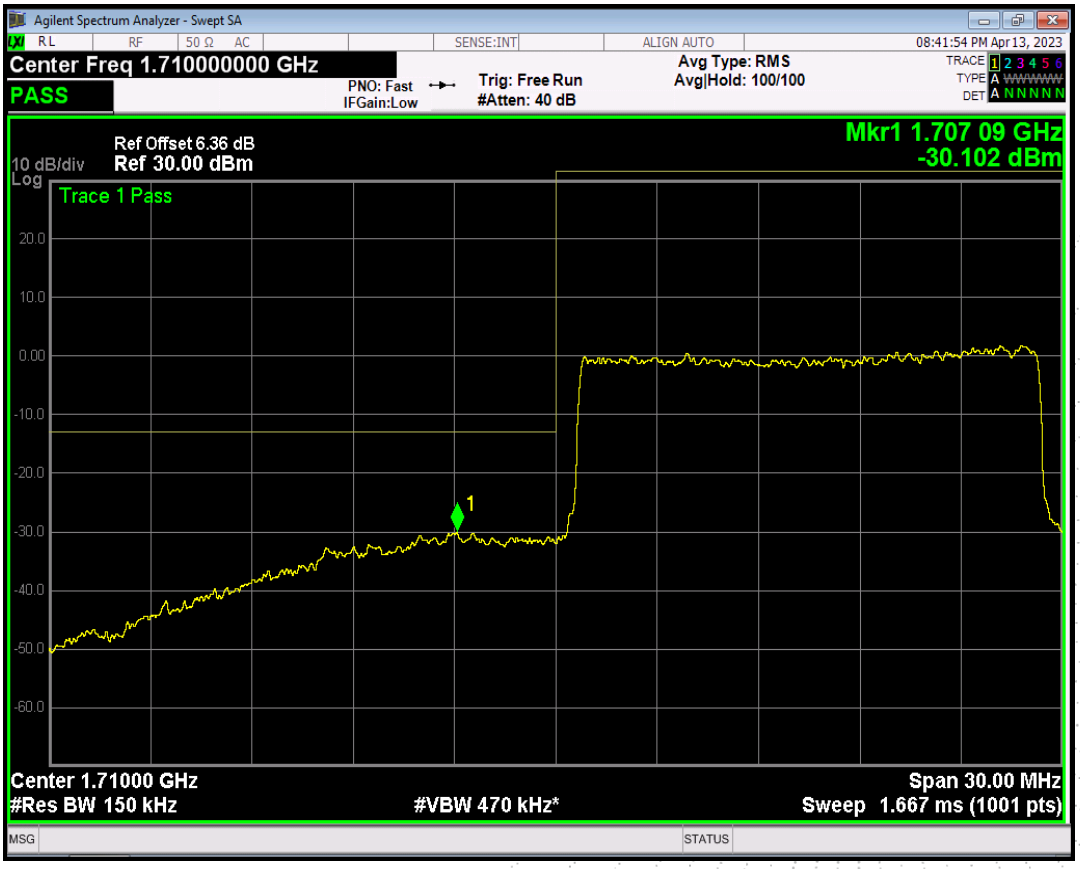
Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



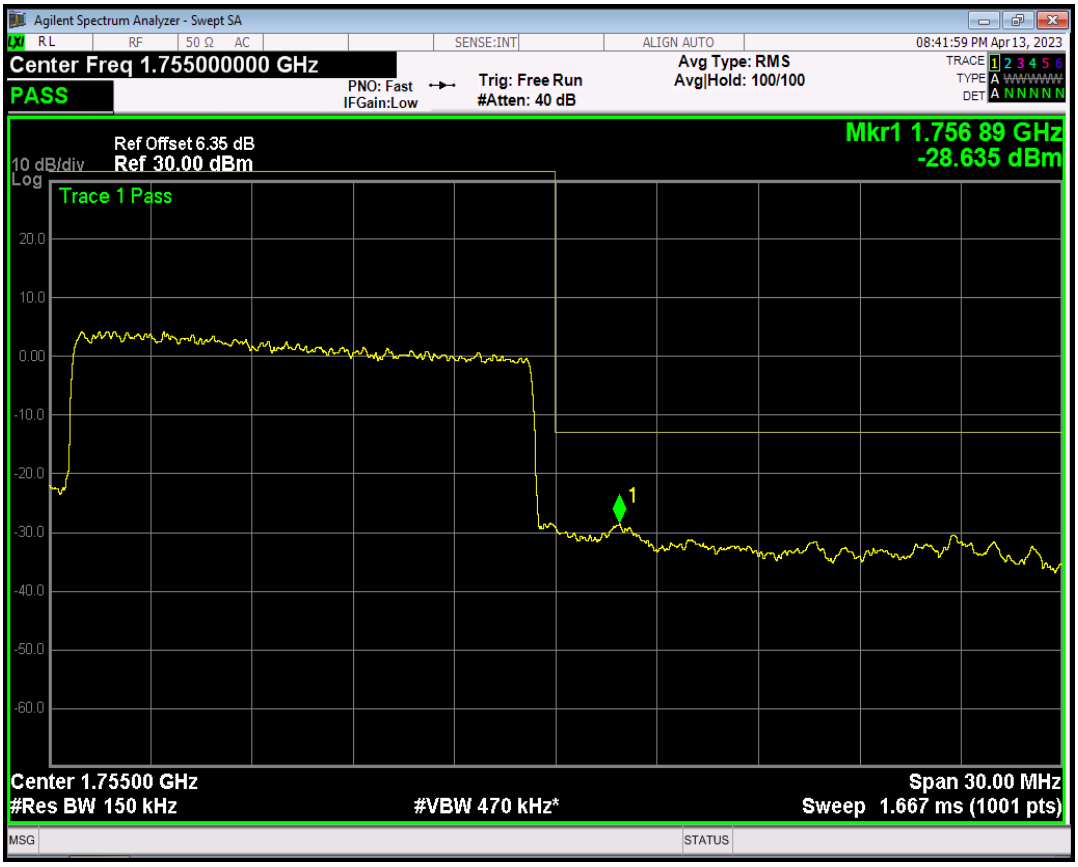
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



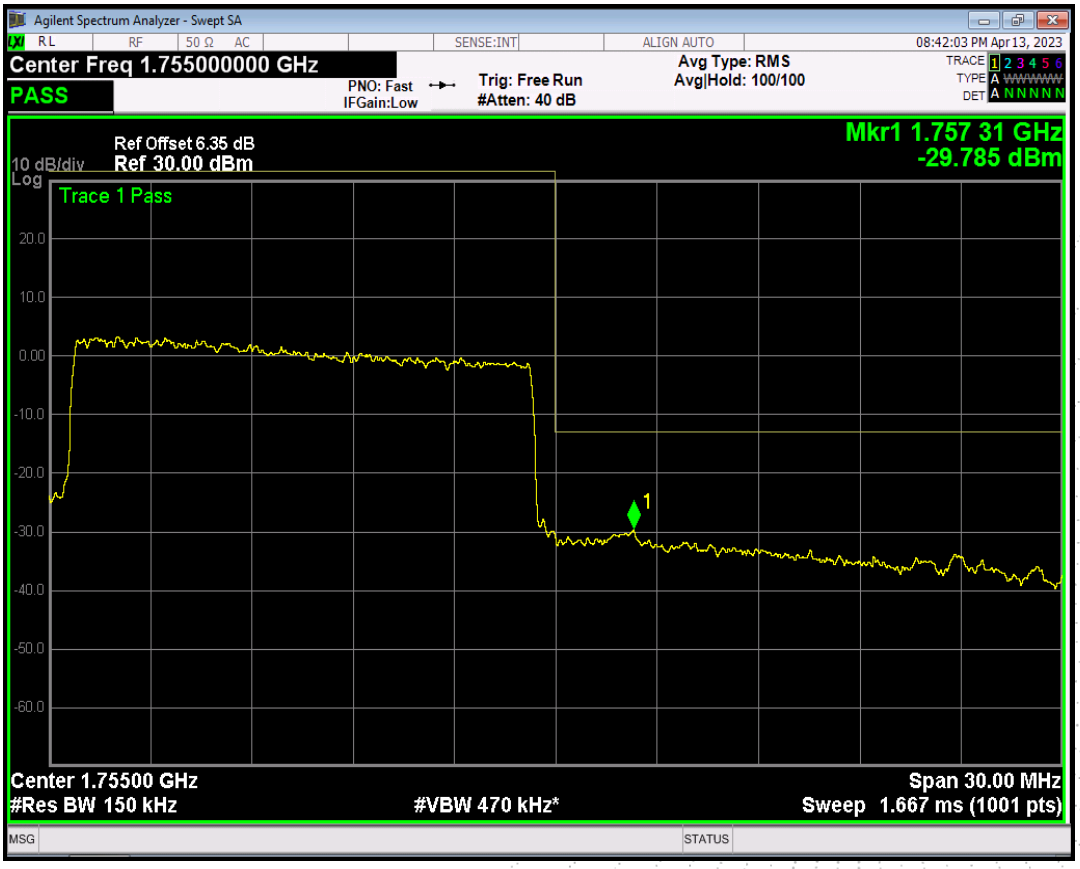
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



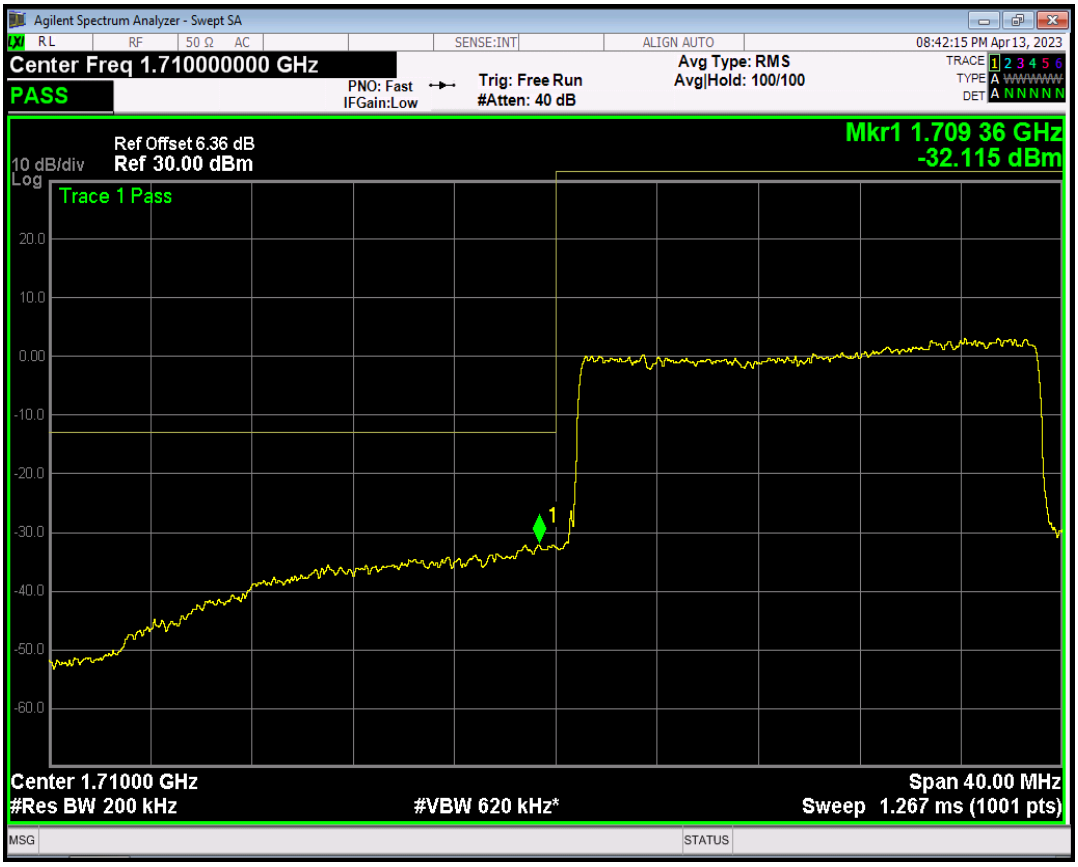
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



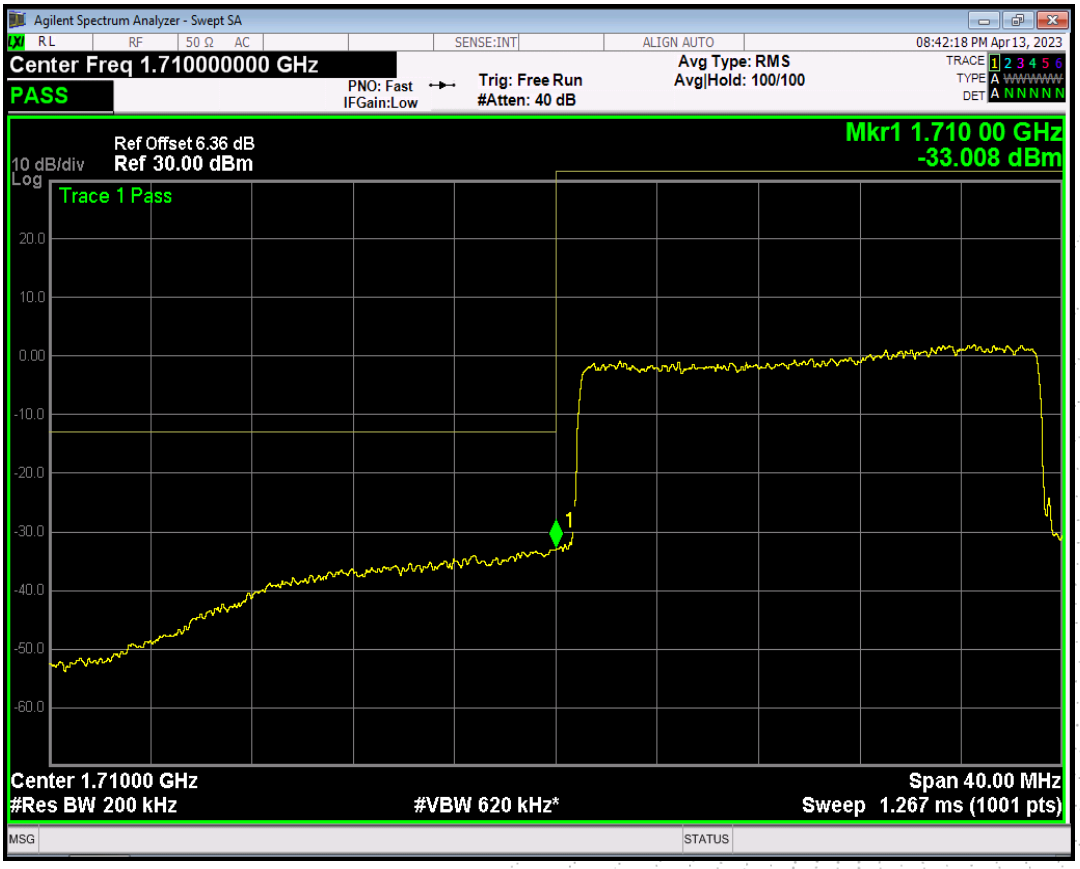
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



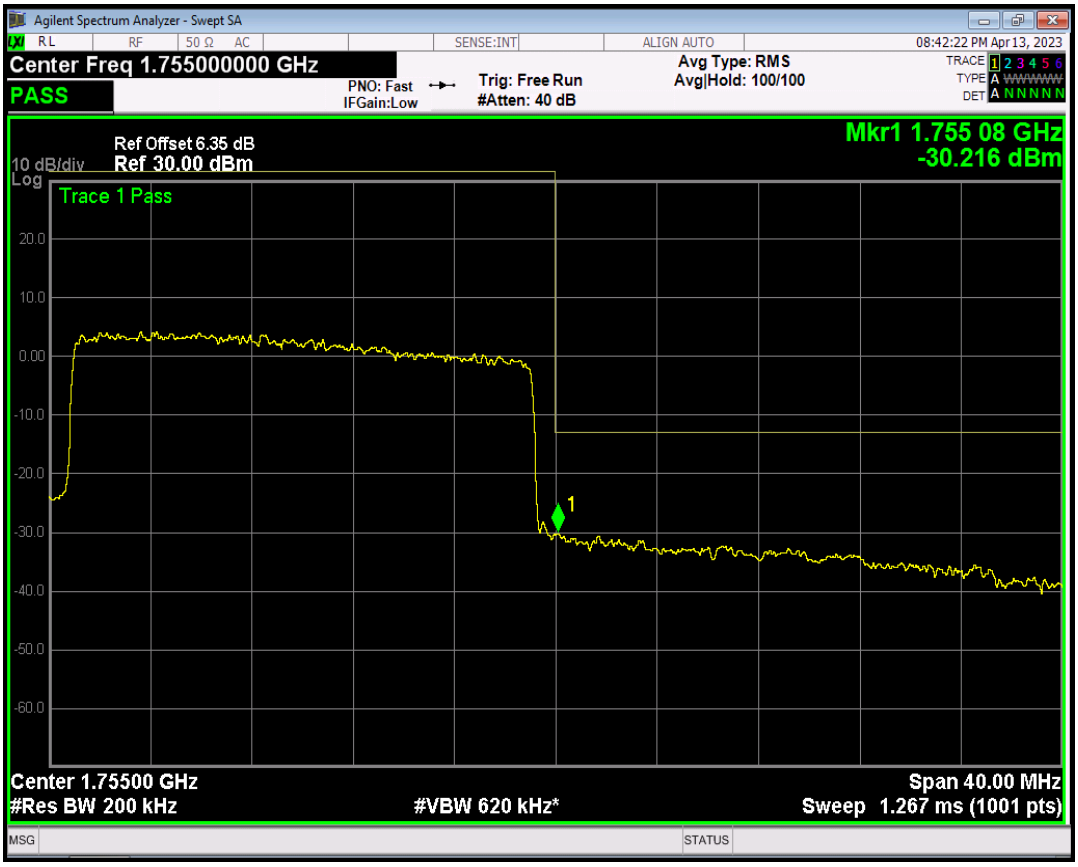
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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



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

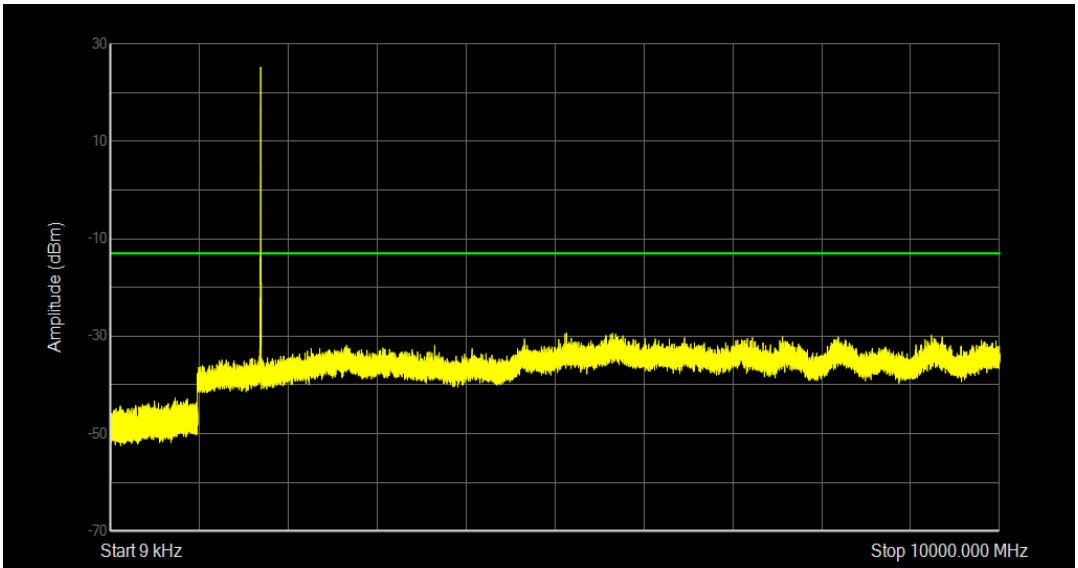


Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0

Appendix 6. Out-of-band emissions

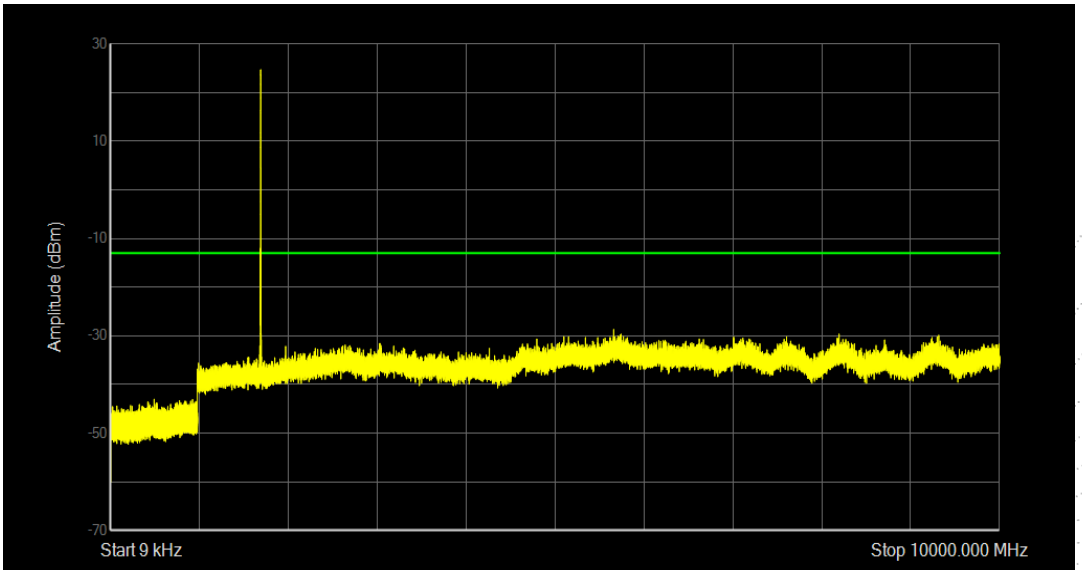
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	5142.93	-29.34	-13	PASS
Band4	1.4	19957	6	#0	QAM16	5670.78	-28.70	-13	PASS
Band4	1.4	20175	6	#0	QPSK	5612.95	-28.70	-13	PASS
Band4	1.4	20175	6	#0	QAM16	5752.68	-29.15	-13	PASS
Band4	1.4	20393	6	#0	QPSK	8218.00	-28.70	-13	PASS
Band4	1.4	20393	6	#0	QAM16	5700.70	-29.19	-13	PASS
Band4	3	19965	15	#0	QPSK	5636.35	-29.42	-13	PASS
Band4	3	19965	15	#0	QAM16	5739.63	-28.69	-13	PASS
Band4	3	20175	15	#0	QPSK	5717.58	-29.16	-13	PASS
Band4	3	20175	15	#0	QAM16	8210.35	-28.84	-13	PASS
Band4	3	20385	15	#0	QPSK	1767.48	-28.47	-13	PASS
Band4	3	20385	15	#0	QAM16	1767.03	-27.34	-13	PASS
Band4	5	19975	25	#0	QPSK	5708.35	-28.76	-13	PASS
Band4	5	19975	25	#0	QAM16	5598.10	-29.32	-13	PASS
Band4	5	20175	25	#0	QPSK	5689.23	-29.06	-13	PASS
Band4	5	20175	25	#0	QAM16	5677.30	-29.28	-13	PASS
Band4	5	20375	25	#0	QPSK	1775.80	-27.79	-13	PASS
Band4	5	20375	25	#0	QAM16	5721.63	-28.76	-13	PASS
Band4	10	20000	50	#0	QPSK	9276.85	-29.51	-13	PASS
Band4	10	20000	50	#0	QAM16	5220.78	-29.26	-13	PASS
Band4	10	20175	50	#0	QPSK	5672.80	-29.00	-13	PASS
Band4	10	20175	50	#0	QAM16	5645.58	-28.88	-13	PASS
Band4	10	20350	50	#0	QPSK	5728.15	-28.21	-13	PASS
Band4	10	20350	50	#0	QAM16	8227.45	-29.09	-13	PASS
Band4	15	20025	75	#0	QPSK	5671.45	-28.87	-13	PASS
Band4	15	20025	75	#0	QAM16	5677.98	-29.02	-13	PASS
Band4	15	20175	75	#0	QPSK	9280.90	-29.35	-13	PASS
Band4	15	20175	75	#0	QAM16	5719.38	-29.72	-13	PASS
Band4	15	20325	75	#0	QPSK	5643.10	-28.75	-13	PASS
Band4	15	20325	75	#0	QAM16	5668.53	-29.32	-13	PASS
Band4	20	20050	100	#0	QPSK	7190.65	-29.18	-13	PASS
Band4	20	20050	100	#0	QAM16	8213.28	-29.11	-13	PASS
Band4	20	20175	100	#0	QPSK	4971.70	-29.13	-13	PASS
Band4	20	20175	100	#0	QAM16	5673.93	-28.37	-13	PASS
Band4	20	20300	100	#0	QPSK	5585.50	-28.97	-13	PASS
Band4	20	20300	100	#0	QAM16	5668.30	-28.84	-13	PASS

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



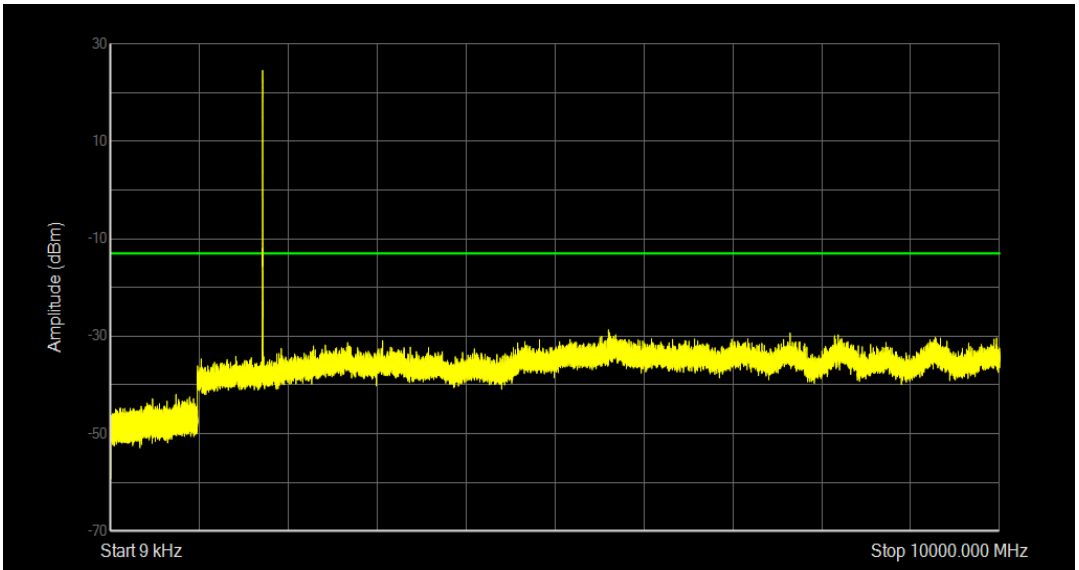
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010737825	-39.21	-13
2	0.15	30	10	0.15	-39.94	-13
3	30	1000	100	752.4075	-42.69	-13
4	1000	10000	1000	5142.925	-29.34	-13

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



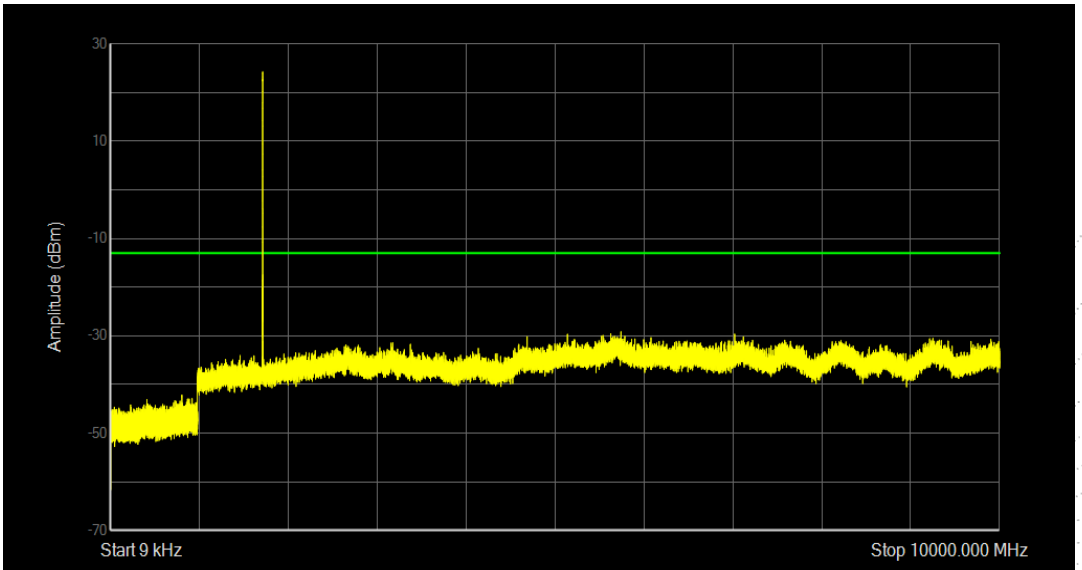
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009659175	-39.39	-13
2	0.15	30	10	0.15373125	-39.91	-13
3	30	1000	100	515.84875	-43.03	-13
4	1000	10000	1000	5670.775	-28.7	-13

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



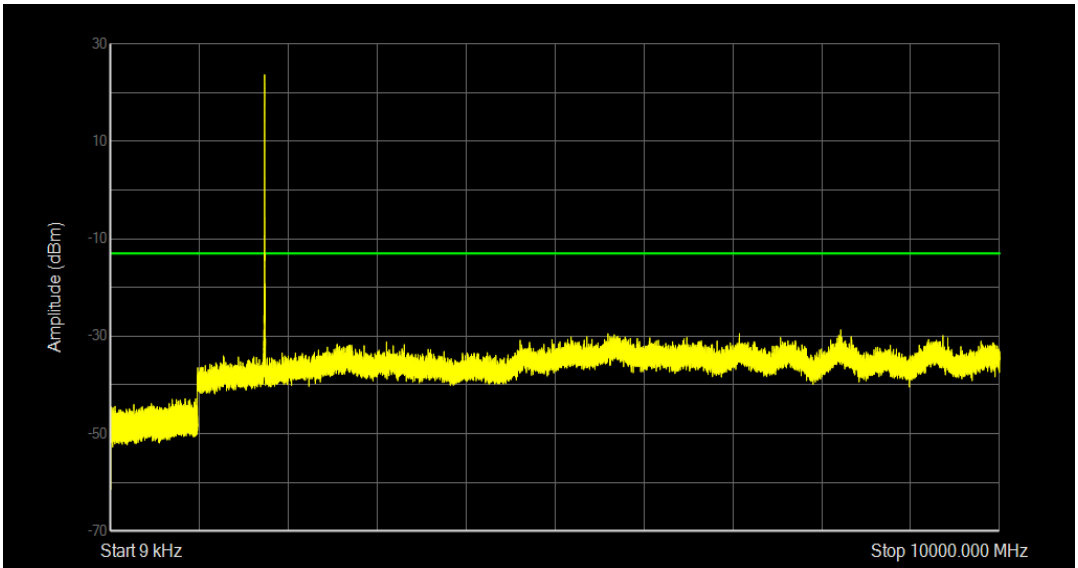
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012422775	-39.08	-13
2	0.15	30	10	0.164925	-41.95	-13
3	30	1000	100	760.992	-41.99	-13
4	1000	10000	1000	5612.95	-28.7	-13

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



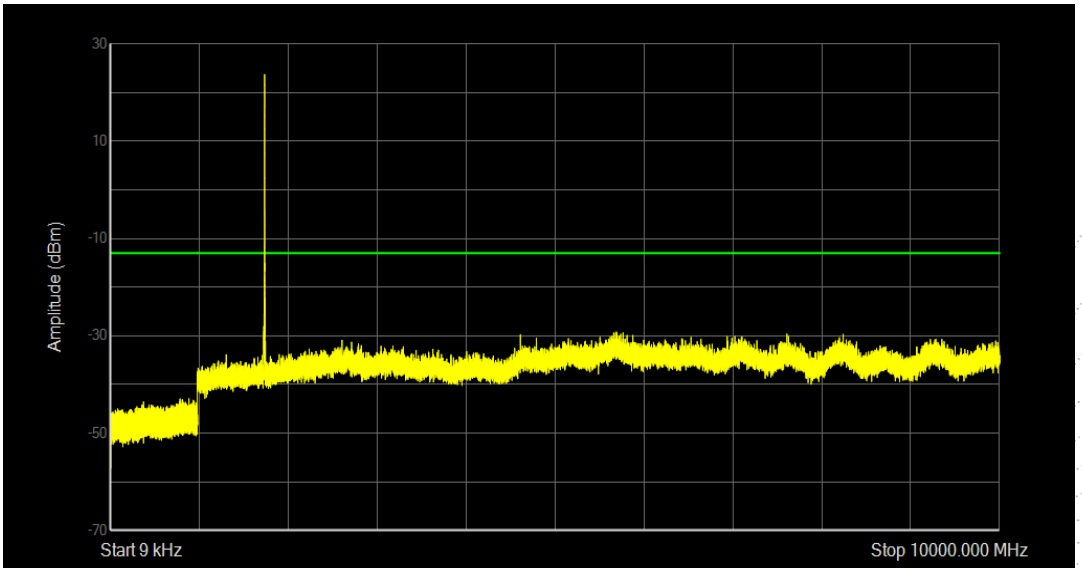
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009031725	-38.35	-13
2	0.15	30	10	0.152985	-39.77	-13
3	30	1000	100	826.564	-42.16	-13
4	1000	10000	1000	5752.675	-29.15	-13

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



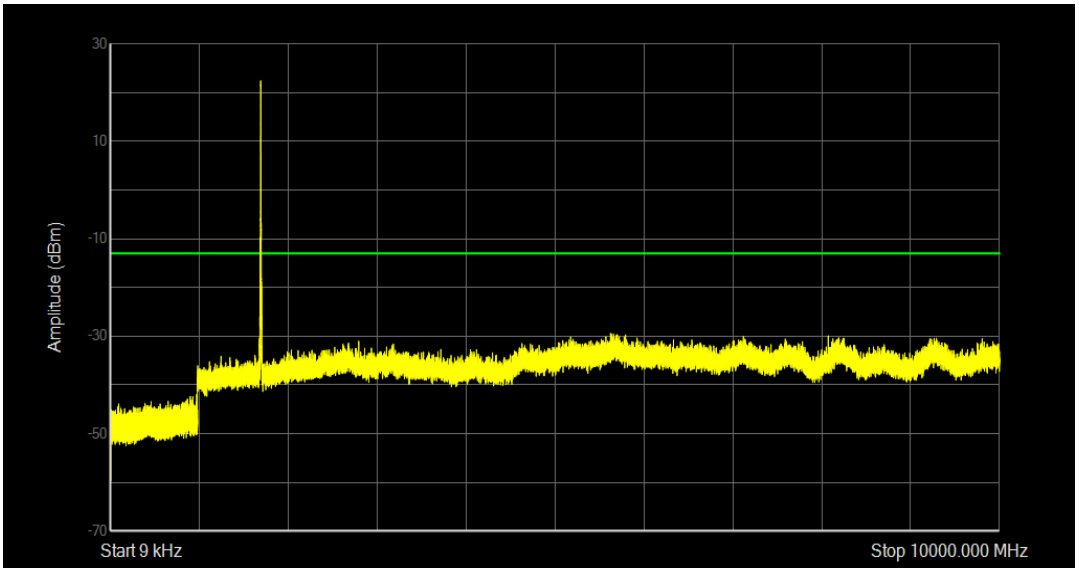
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009052875	-38.38	-13
2	0.15	30	10	0.15	-39.49	-13
3	30	1000	100	863.01175	-42.84	-13
4	1000	10000	1000	8218	-28.7	-13

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



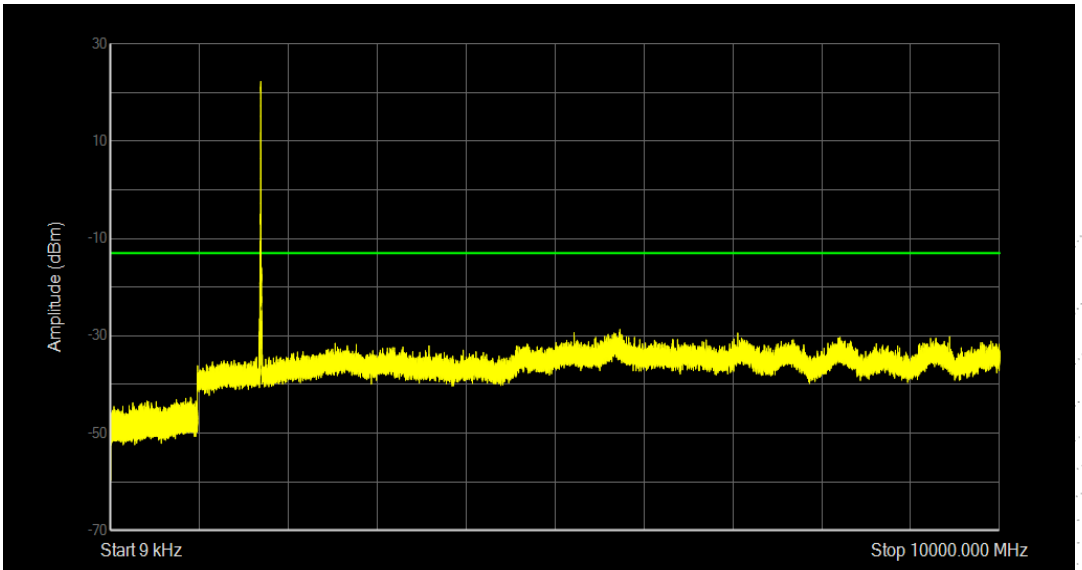
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011252475	-39.78	-13
2	0.15	30	10	0.15373125	-40.19	-13
3	30	1000	100	905.9585	-42.94	-13
4	1000	10000	1000	5700.7	-29.19	-13

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



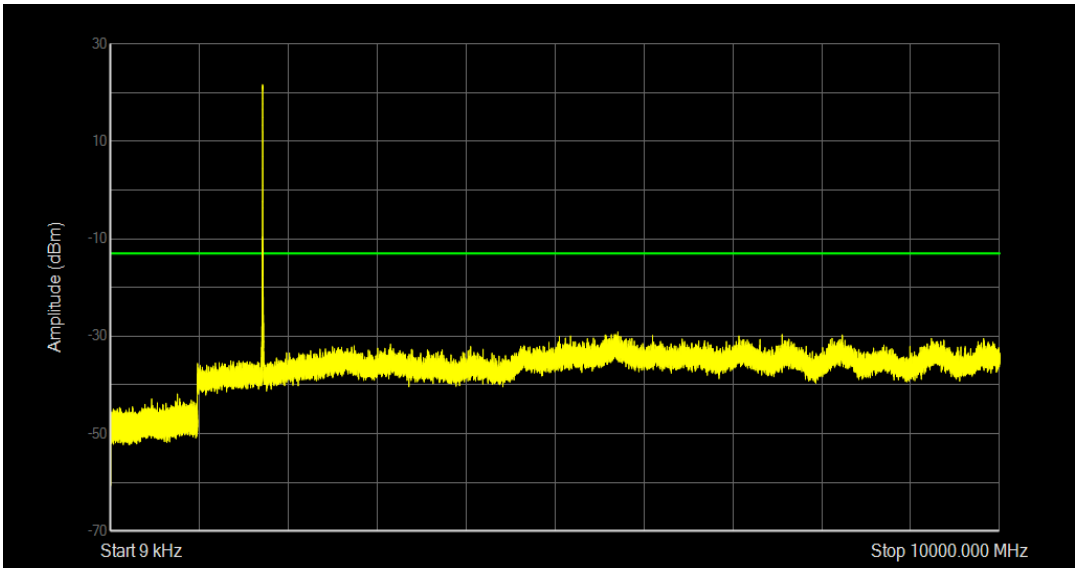
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009771975	-38.71	-13
2	0.15	30	10	0.15373125	-39.62	-13
3	30	1000	100	992.84625	-41.99	-13
4	1000	10000	1000	5636.35	-29.42	-13

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



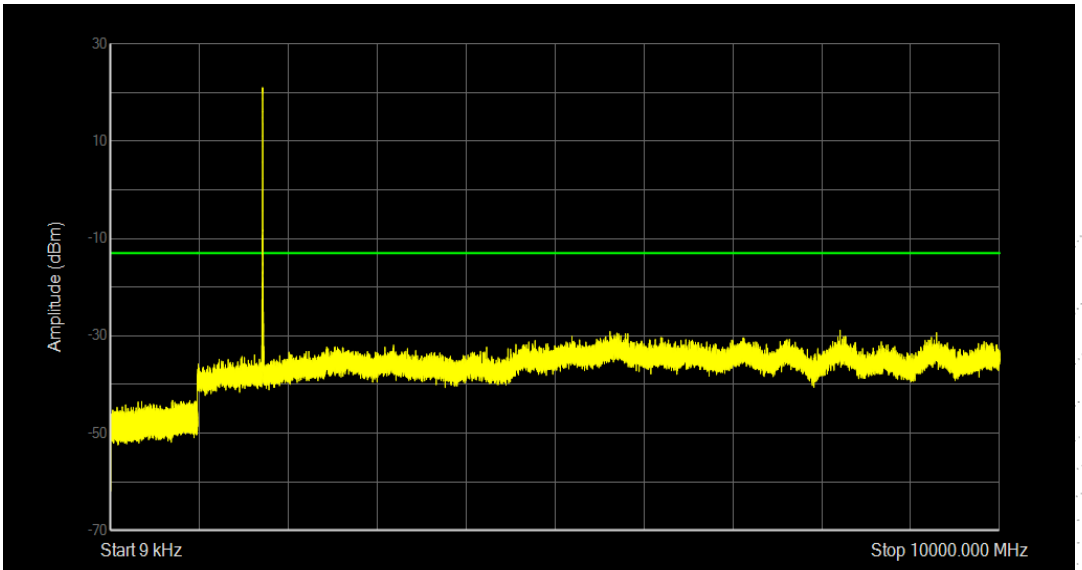
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01007865	-37.23	-13
2	0.15	30	10	0.15074625	-40.83	-13
3	30	1000	100	925.6495	-42.65	-13
4	1000	10000	1000	5739.625	-28.69	-13

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



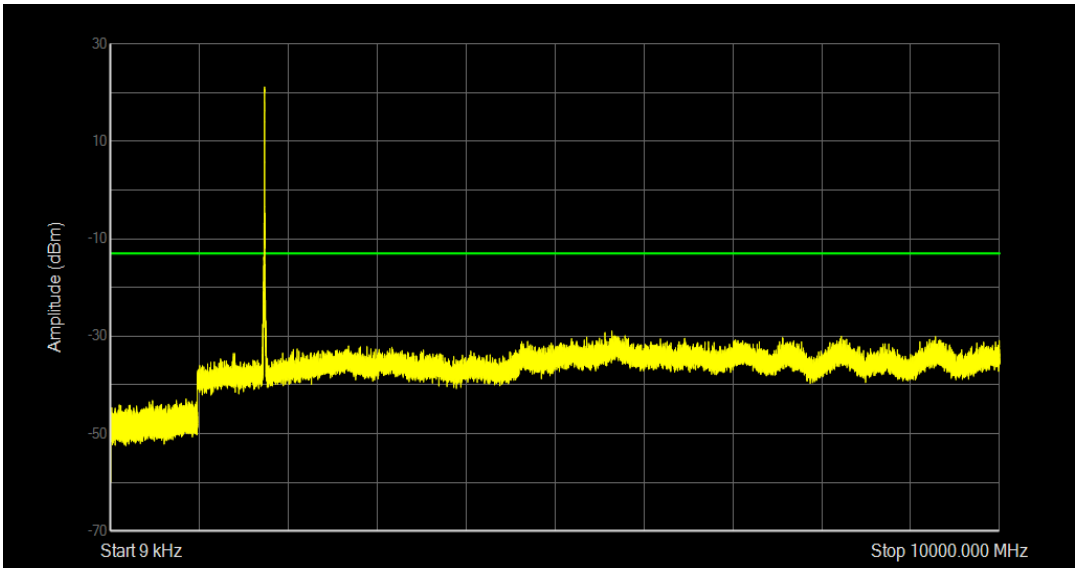
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011583825	-39.65	-13
2	0.15	30	10	0.16119375	-39.7	-13
3	30	1000	100	776.48775	-41.86	-13
4	1000	10000	1000	5717.575	-29.16	-13

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



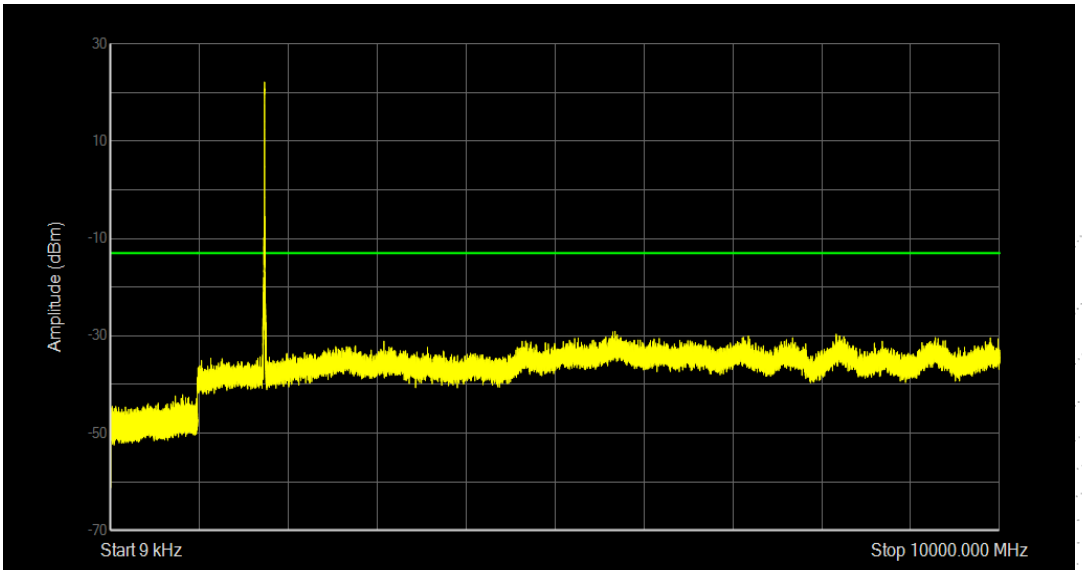
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01012095	-39.89	-13
2	0.15	30	10	0.15	-40.77	-13
3	30	1000	100	722.36175	-43.26	-13
4	1000	10000	1000	8210.35	-28.84	-13

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



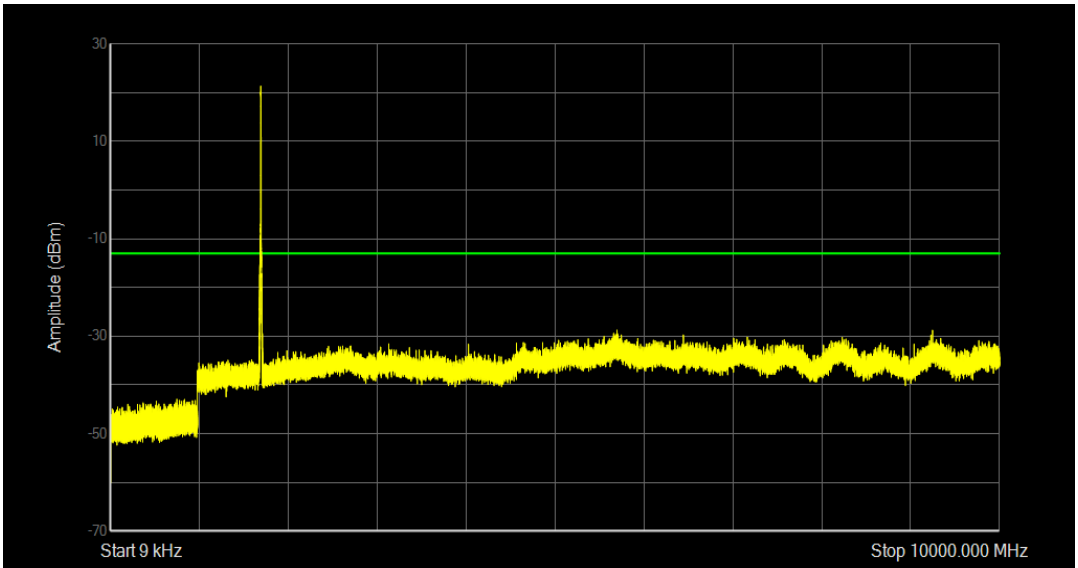
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011224275	-38.95	-13
2	0.15	30	10	0.158955	-40.6	-13
3	30	1000	100	873.68175	-42.89	-13
4	1000	10000	1000	1767.475	-28.47	-13

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



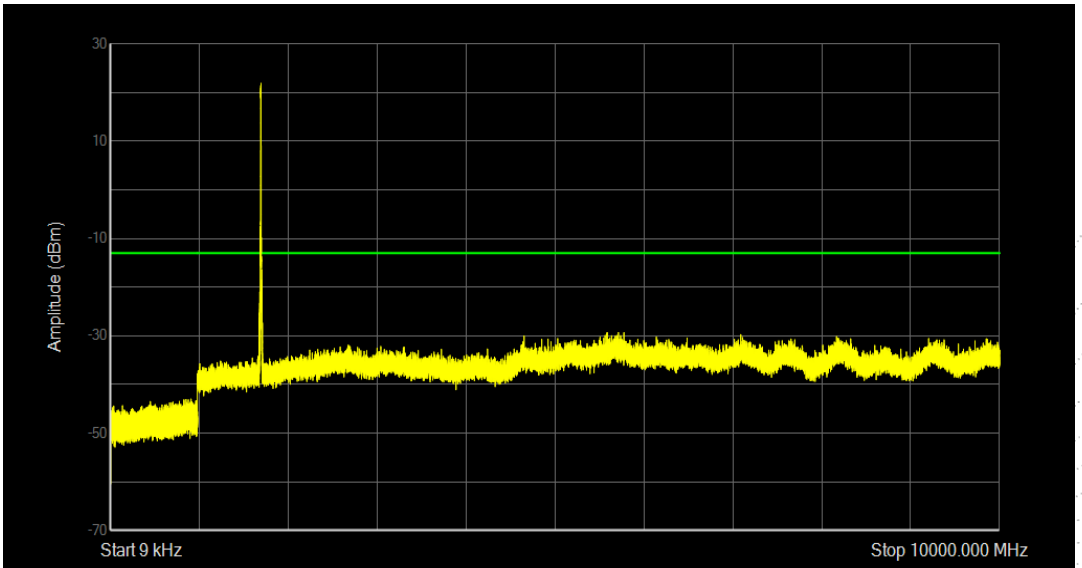
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-40	-13
2	0.15	30	10	0.15522375	-40.31	-13
3	30	1000	100	835.22125	-42.12	-13
4	1000	10000	1000	1767.025	-27.34	-13

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



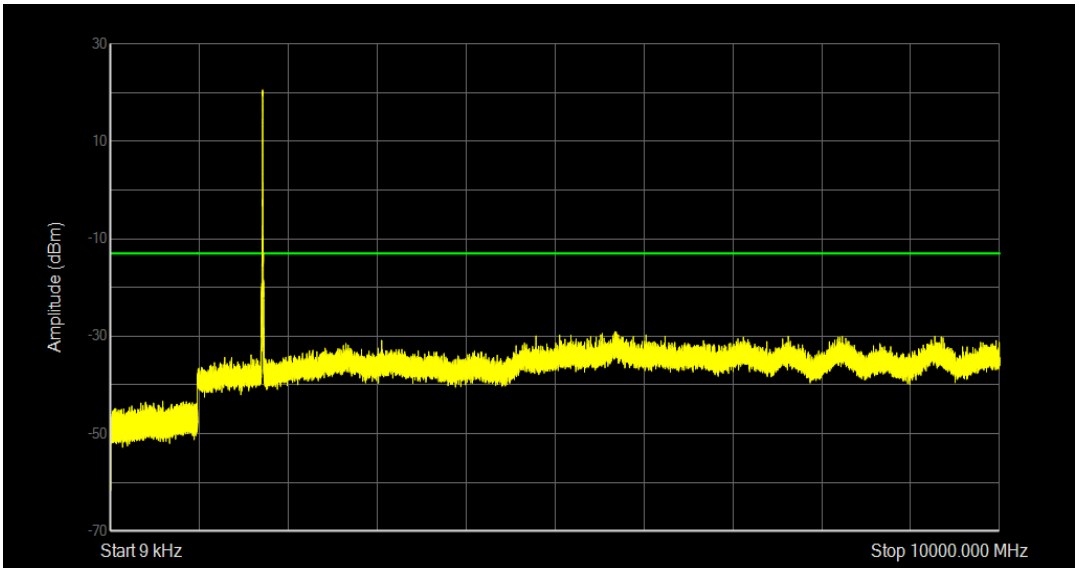
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00900705	-39.87	-13
2	0.15	30	10	0.15	-39.03	-13
3	30	1000	100	770.5465	-42.97	-13
4	1000	10000	1000	5708.35	-28.76	-13

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



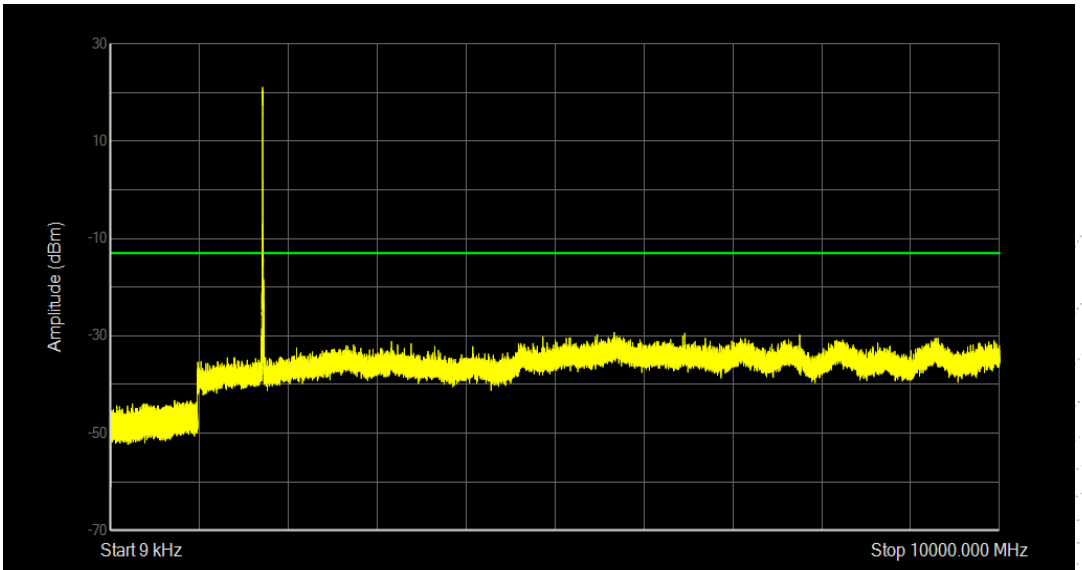
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009222075	-37.99	-13
2	0.15	30	10	0.1604475	-41	-13
3	30	1000	100	928.9475	-42.99	-13
4	1000	10000	1000	5598.1	-29.32	-13

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



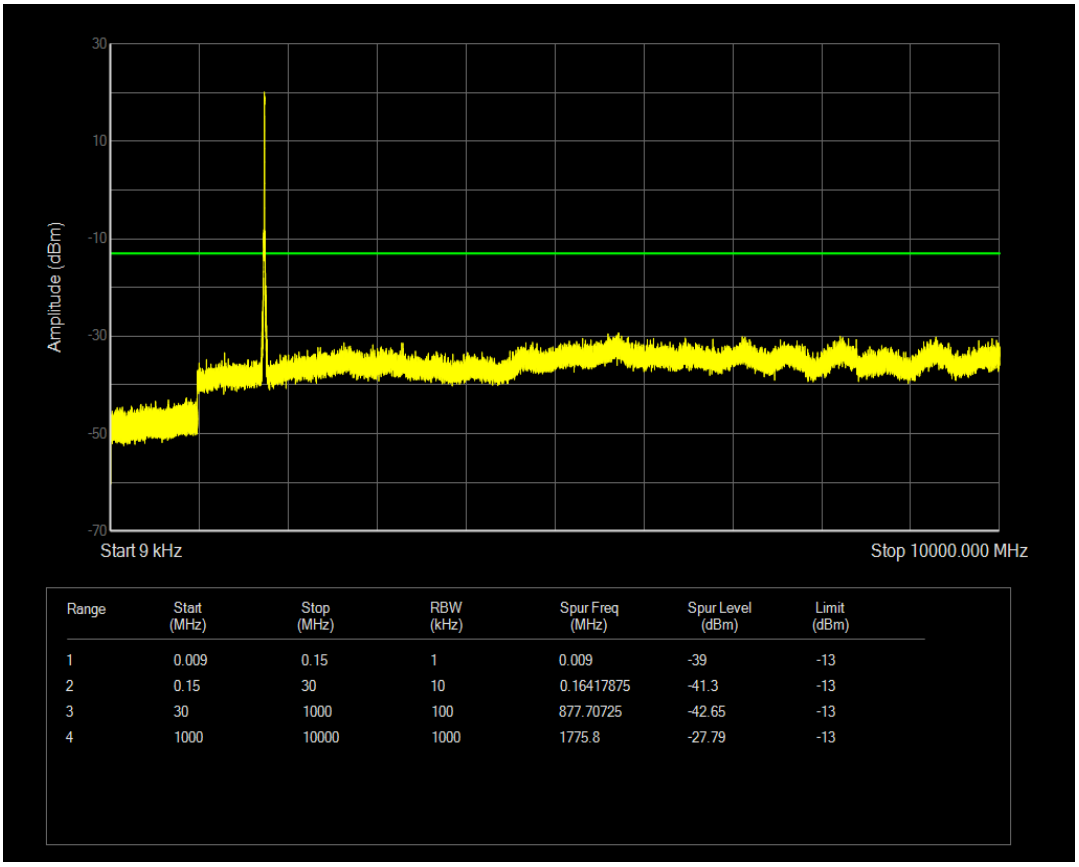
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010082175	-37.57	-13
2	0.15	30	10	0.15671625	-40.54	-13
3	30	1000	100	611.9515	-43.36	-13
4	1000	10000	1000	5689.225	-29.06	-13

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



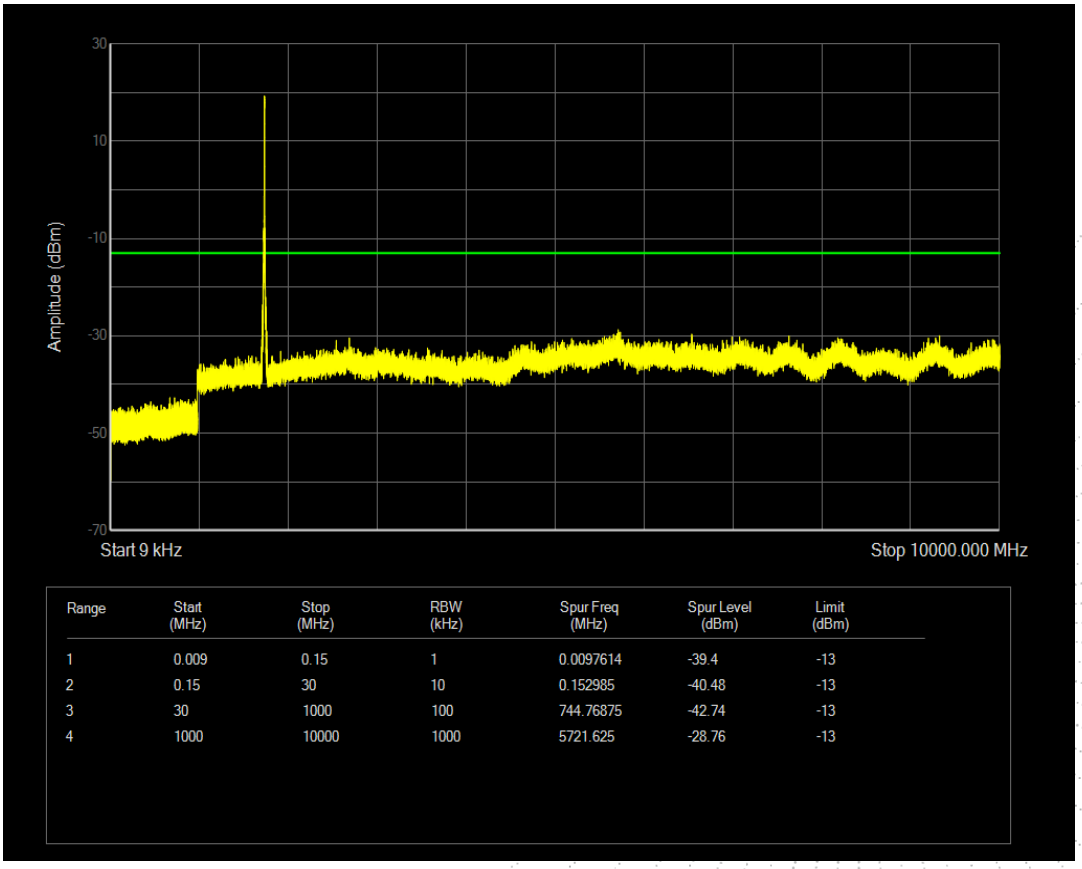
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009341925	-38.9	-13
2	0.15	30	10	0.15373125	-38.48	-13
3	30	1000	100	744.08975	-43.27	-13
4	1000	10000	1000	5677.3	-29.28	-13

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



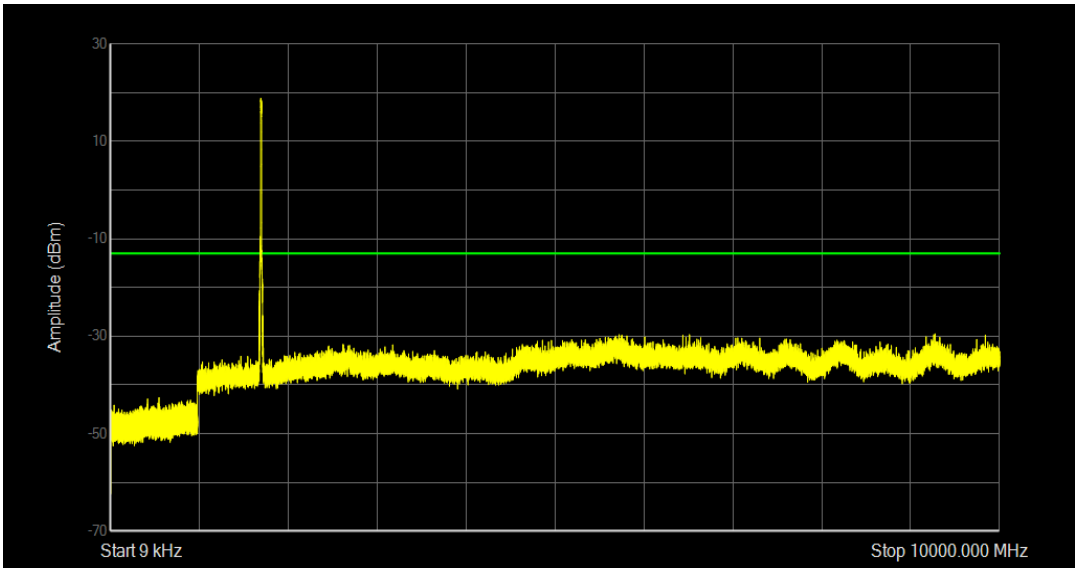
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-39	-13
2	0.15	30	10	0.16417875	-41.3	-13
3	30	1000	100	877.70725	-42.65	-13
4	1000	10000	1000	1775.8	-27.79	-13

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



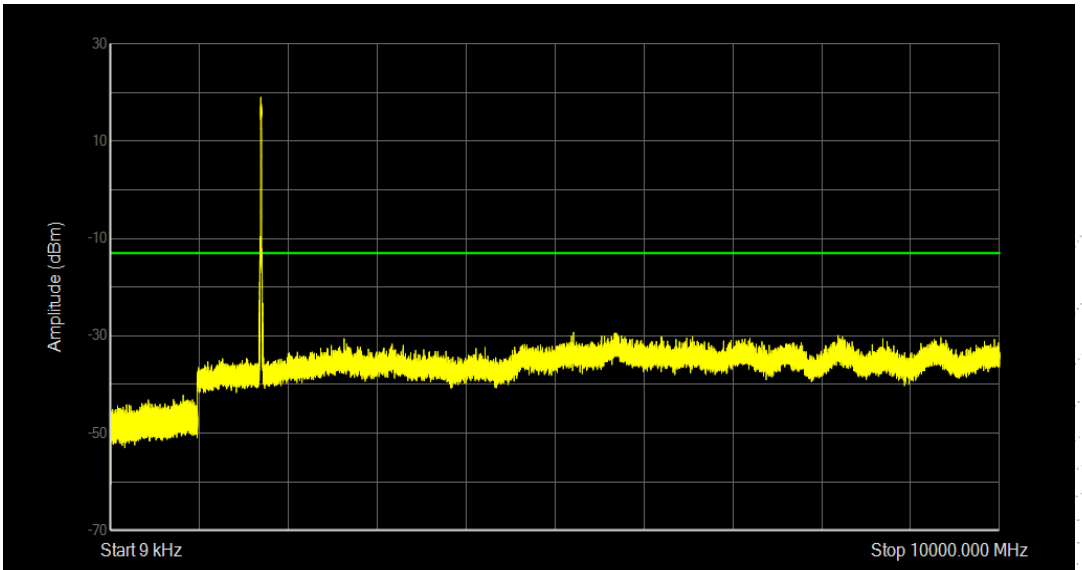
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0097614	-39.4	-13
2	0.15	30	10	0.152985	-40.48	-13
3	30	1000	100	744.76875	-42.74	-13
4	1000	10000	1000	5721.625	-28.76	-13

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



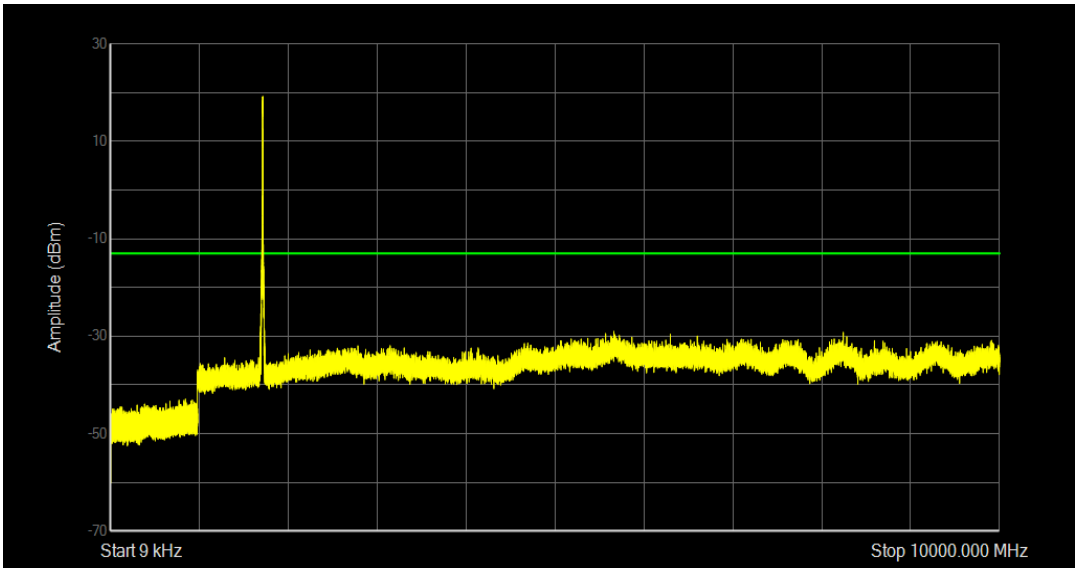
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009518175	-37.08	-13
2	0.15	30	10	0.16194	-40.53	-13
3	30	1000	100	570.0475	-42.63	-13
4	1000	10000	1000	9276.85	-29.51	-13

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



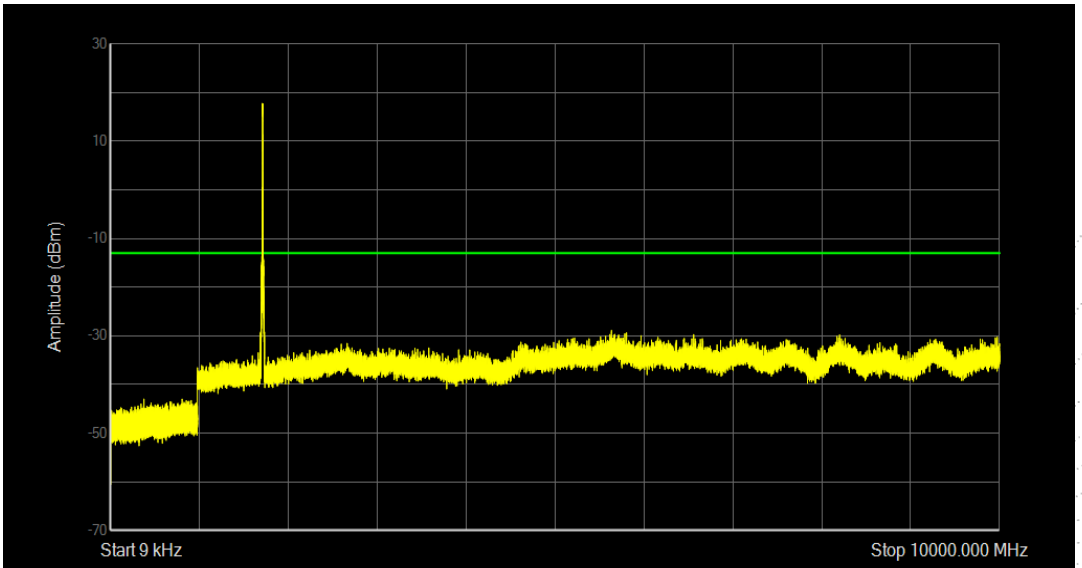
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00999405	-39.55	-13
2	0.15	30	10	0.15223875	-40.77	-13
3	30	1000	100	841.7445	-42.2	-13
4	1000	10000	1000	5220.775	-29.26	-13

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



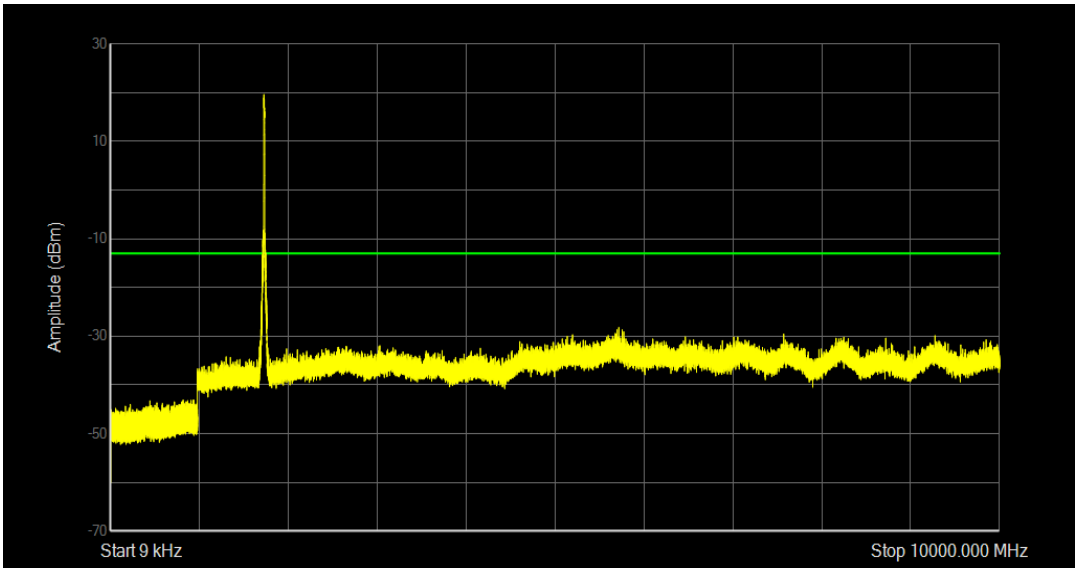
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009912975	-37.88	-13
2	0.15	30	10	0.15223875	-41.56	-13
3	30	1000	100	866.30975	-42.95	-13
4	1000	10000	1000	5672.8	-29	-13

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



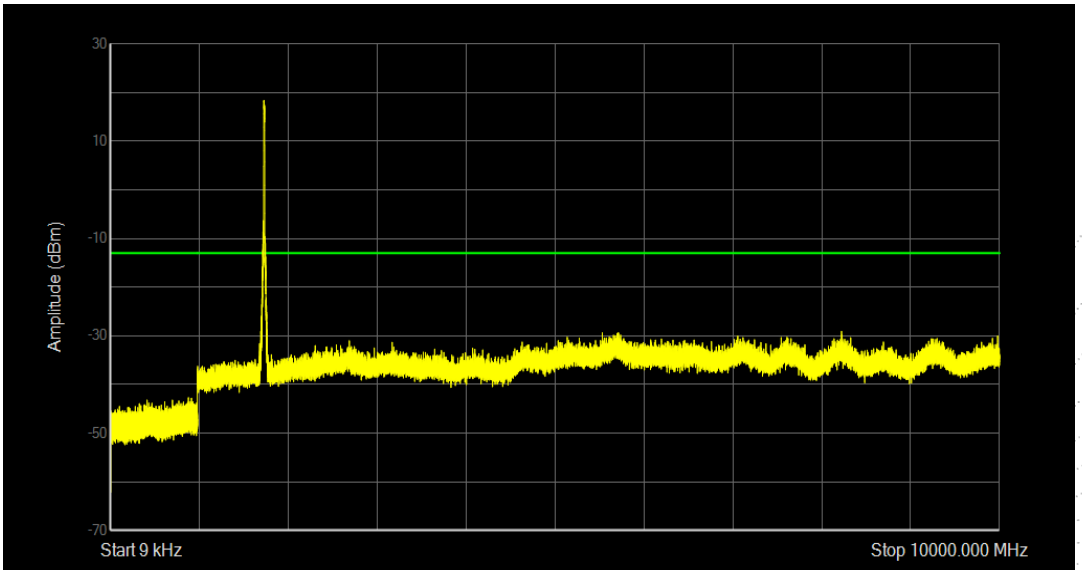
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009468825	-39.89	-13
2	0.15	30	10	0.15	-40.22	-13
3	30	1000	100	401.2675	-43.01	-13
4	1000	10000	1000	5645.575	-28.88	-13

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



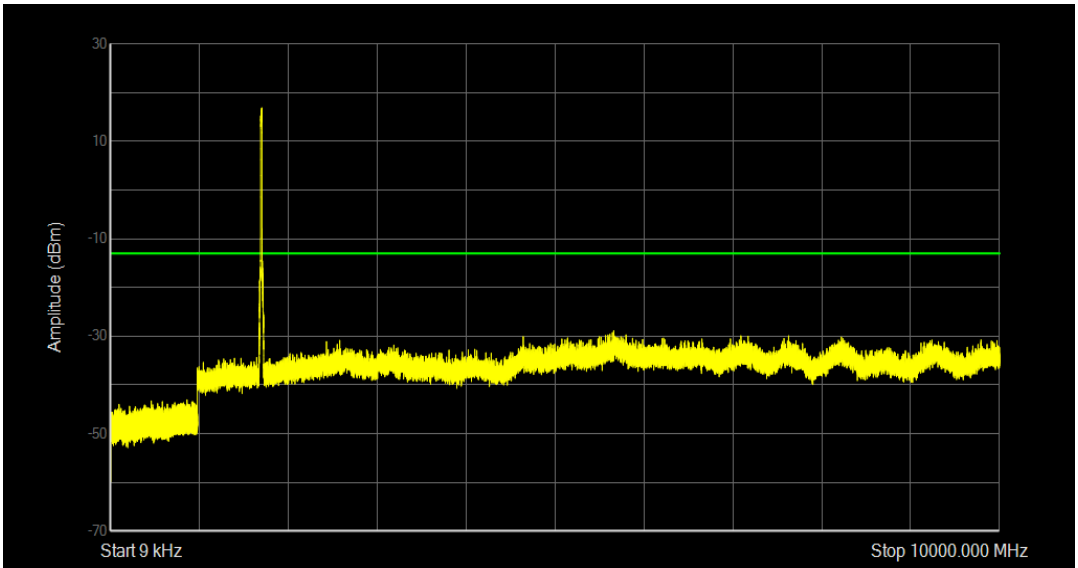
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009264375	-38.36	-13
2	0.15	30	10	0.16119375	-39.3	-13
3	30	1000	100	957.514	-43.08	-13
4	1000	10000	1000	5728.15	-28.21	-13

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



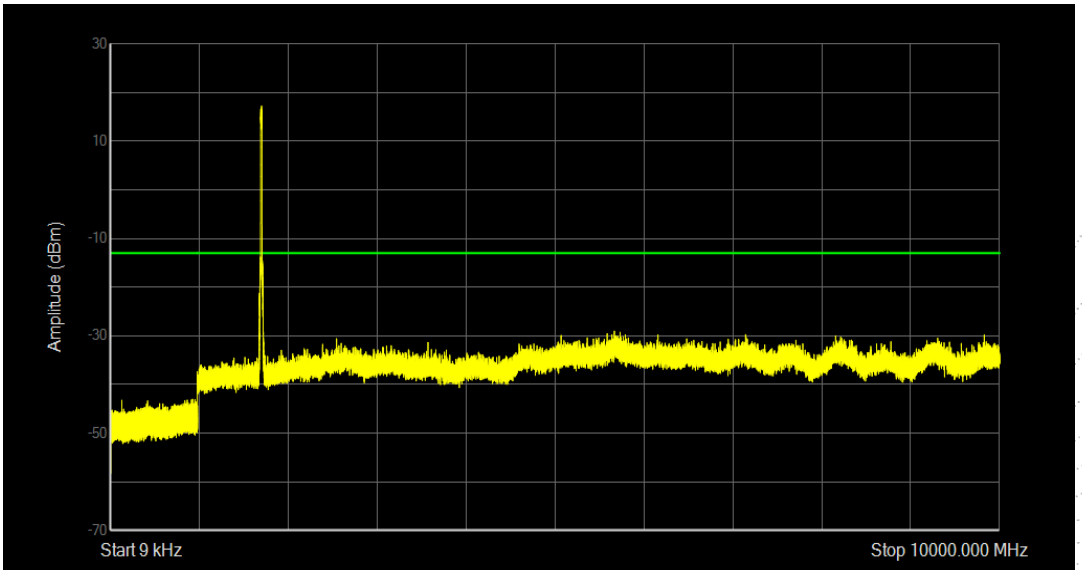
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009574575	-38.15	-13
2	0.15	30	10	0.1544775	-41.3	-13
3	30	1000	100	900.01725	-42.75	-13
4	1000	10000	1000	8227.45	-29.09	-13

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



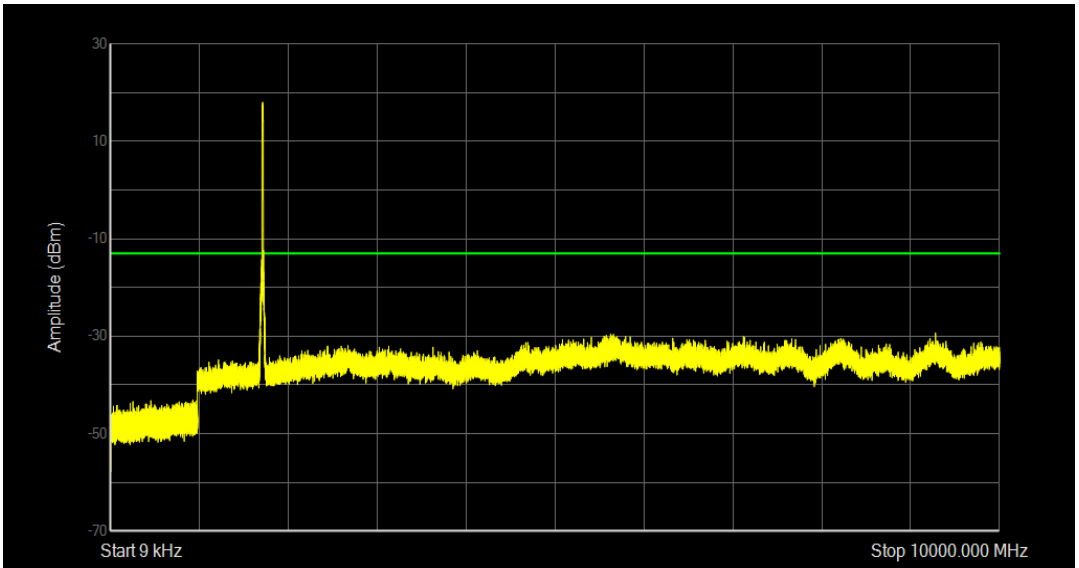
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009179775	-39.89	-13
2	0.15	30	10	0.15970125	-41.2	-13
3	30	1000	100	884.376	-43.06	-13
4	1000	10000	1000	5671.45	-28.87	-13

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



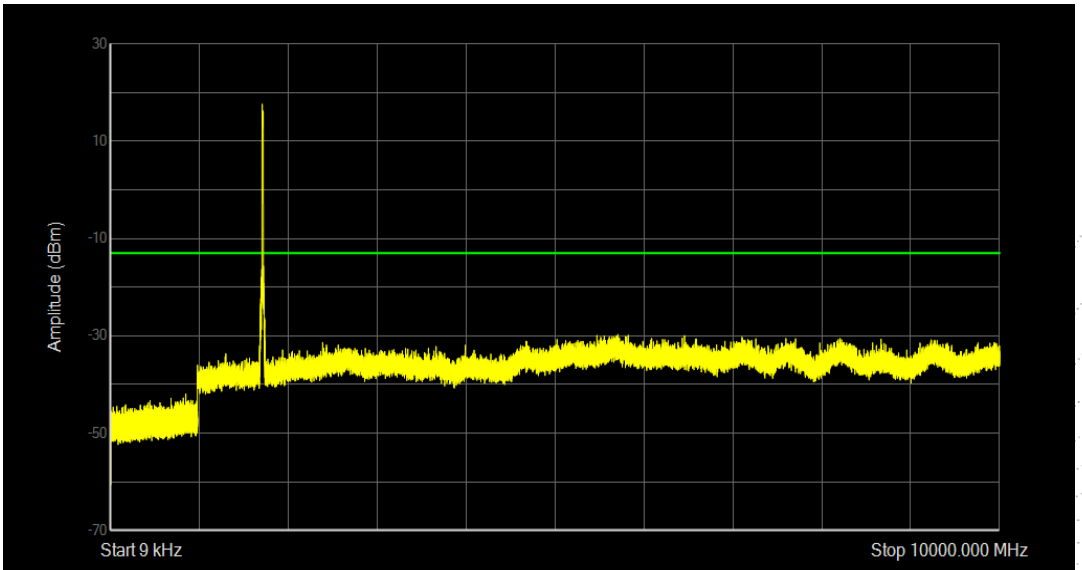
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009511125	-39.35	-13
2	0.15	30	10	0.15	-41.26	-13
3	30	1000	100	947.135	-43.01	-13
4	1000	10000	1000	5677.975	-29.02	-13

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



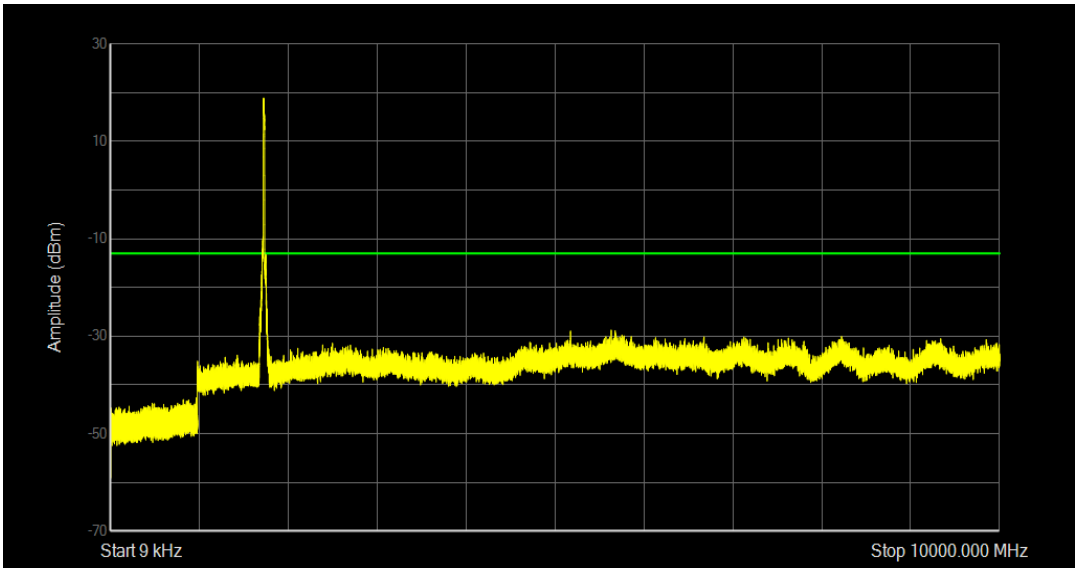
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010096275	-36.93	-13
2	0.15	30	10	0.15597	-40.59	-13
3	30	1000	100	951.403	-43.12	-13
4	1000	10000	1000	9280.9	-29.35	-13

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



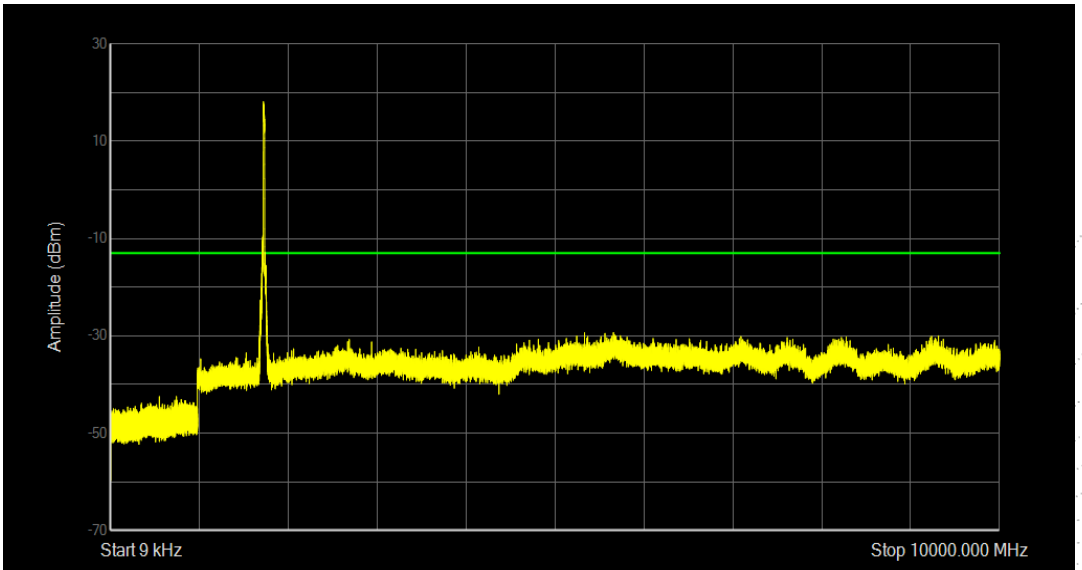
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009891825	-39.42	-13
2	0.15	30	10	0.170895	-39.93	-13
3	30	1000	100	870.18975	-41.92	-13
4	1000	10000	1000	5719.375	-29.72	-13

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



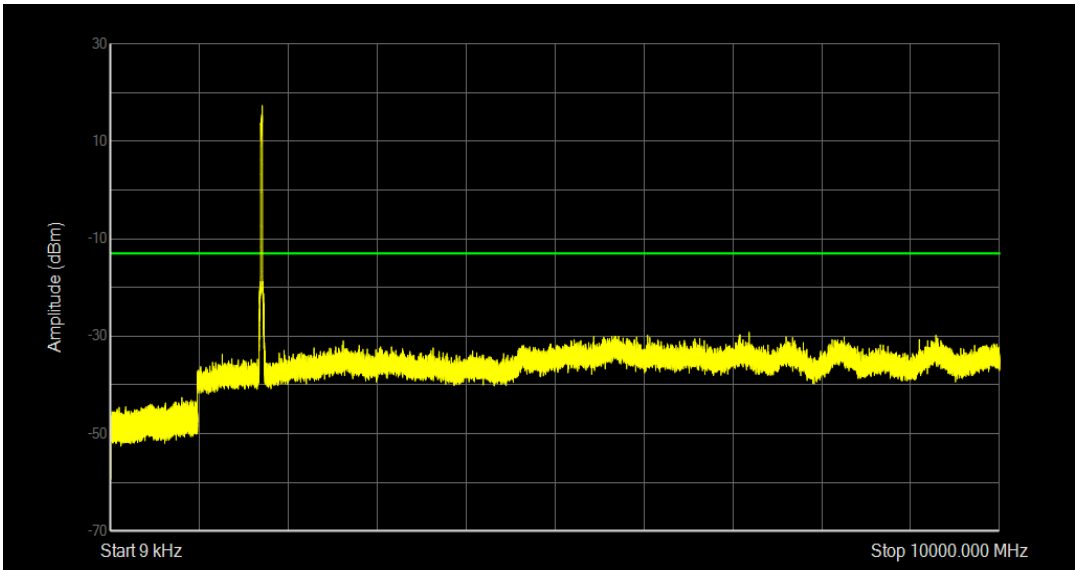
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009920025	-38.84	-13
2	0.15	30	10	0.1604475	-39.72	-13
3	30	1000	100	987.778	-42.65	-13
4	1000	10000	1000	5643.1	-28.75	-13

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



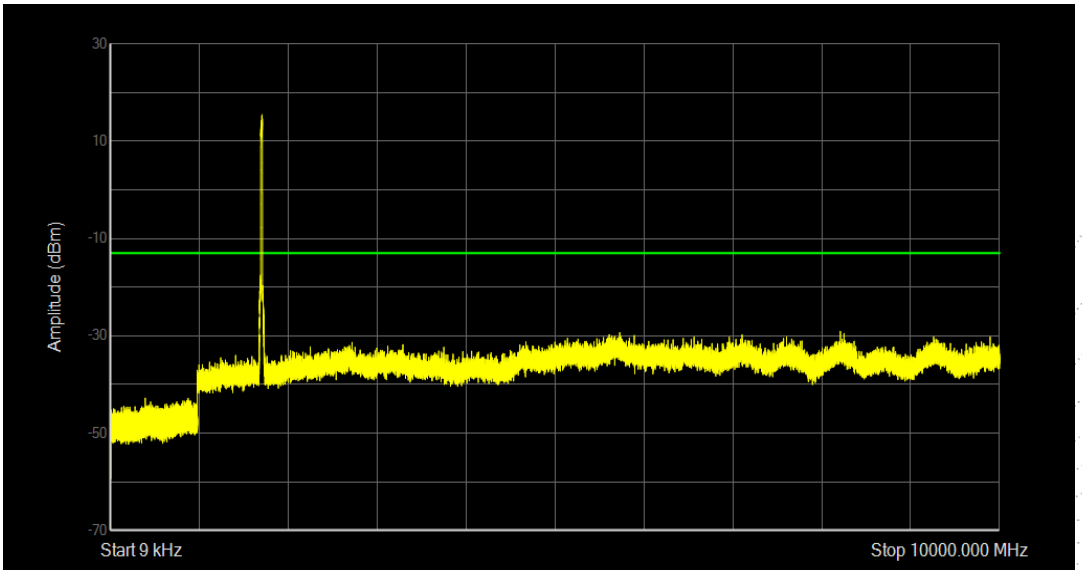
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009179775	-39.78	-13
2	0.15	30	10	0.17388	-40.94	-13
3	30	1000	100	764.4355	-42.47	-13
4	1000	10000	1000	5668.525	-29.32	-13

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



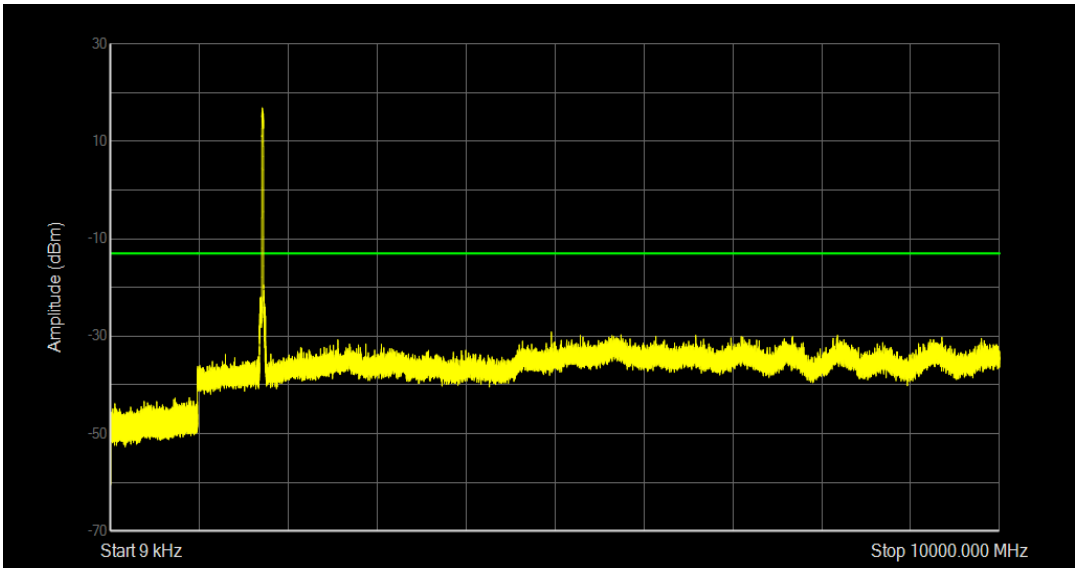
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093525	-38.54	-13
2	0.15	30	10	0.15	-40.17	-13
3	30	1000	100	827.049	-42.58	-13
4	1000	10000	1000	7190.65	-29.18	-13

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



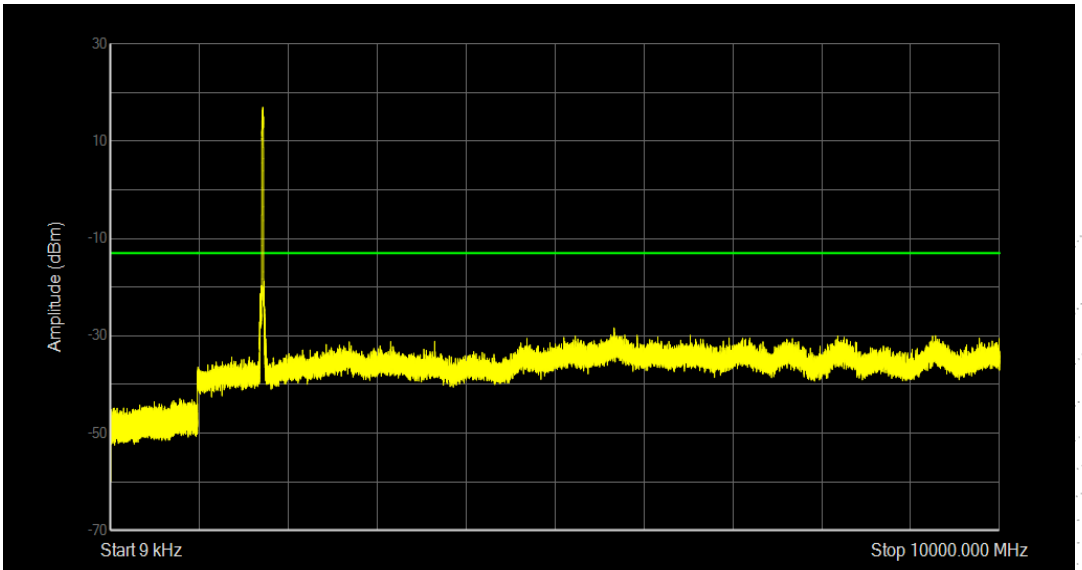
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00943005	-38.83	-13
2	0.15	30	10	0.15	-41.33	-13
3	30	1000	100	415.11425	-42.82	-13
4	1000	10000	1000	8213.275	-29.11	-13

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



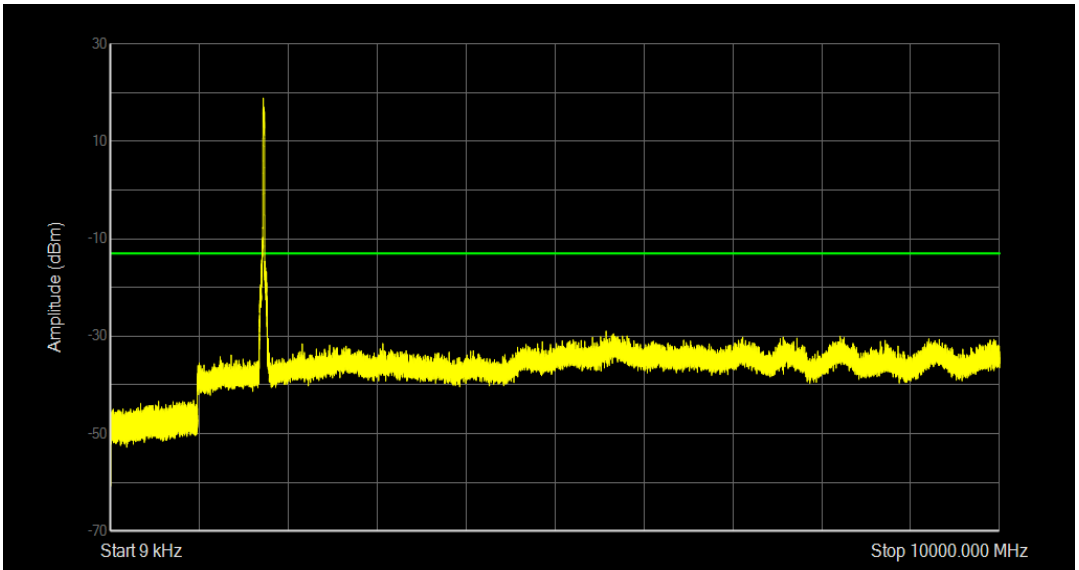
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009912975	-38.71	-13
2	0.15	30	10	0.15	-39.76	-13
3	30	1000	100	910.9055	-42.63	-13
4	1000	10000	1000	4971.7	-29.13	-13

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



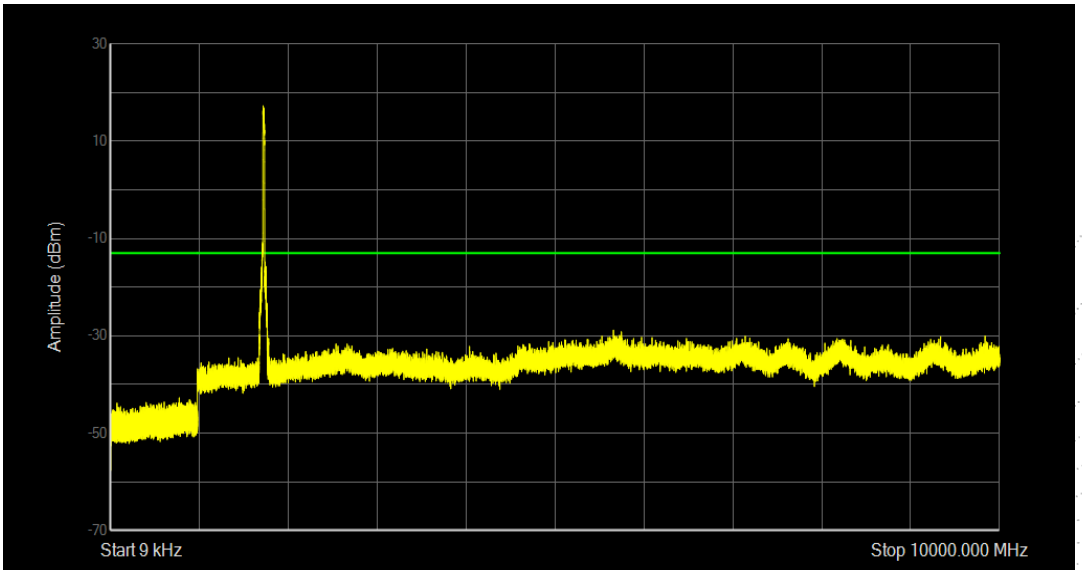
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009898875	-40.03	-13
2	0.15	30	10	0.1514925	-39.79	-13
3	30	1000	100	805.00575	-42.93	-13
4	1000	10000	1000	5673.925	-28.37	-13

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	0.0093243	-40.07	-13
2	0.15	30	10	0.15820875	-39.54	-13
3	30	1000	100	957.53825	-43.19	-13
4	1000	10000	1000	5585.5	-28.97	-13

Band4 QAM16 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	0.0094512	-37.14	-13
2	0.15	30	10	0.152985	-40.92	-13
3	30	1000	100	797.9005	-42.75	-13
4	1000	10000	1000	5668.3	-28.84	-13