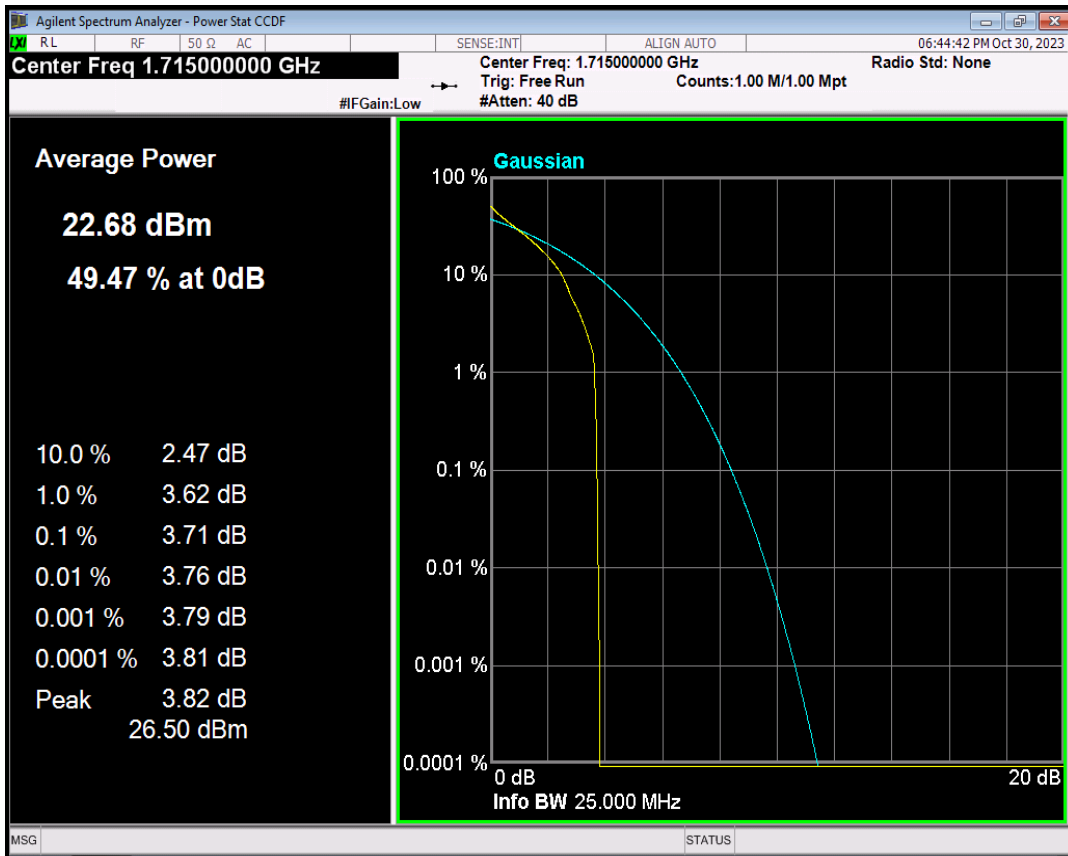
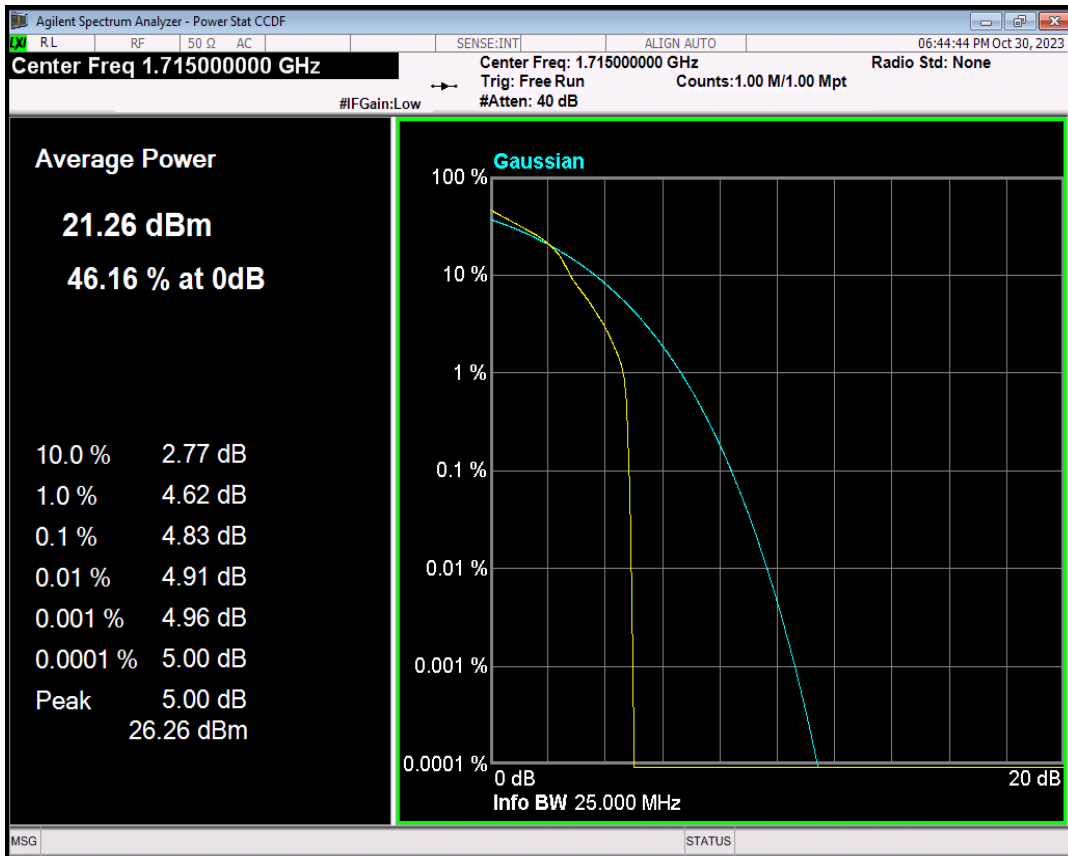


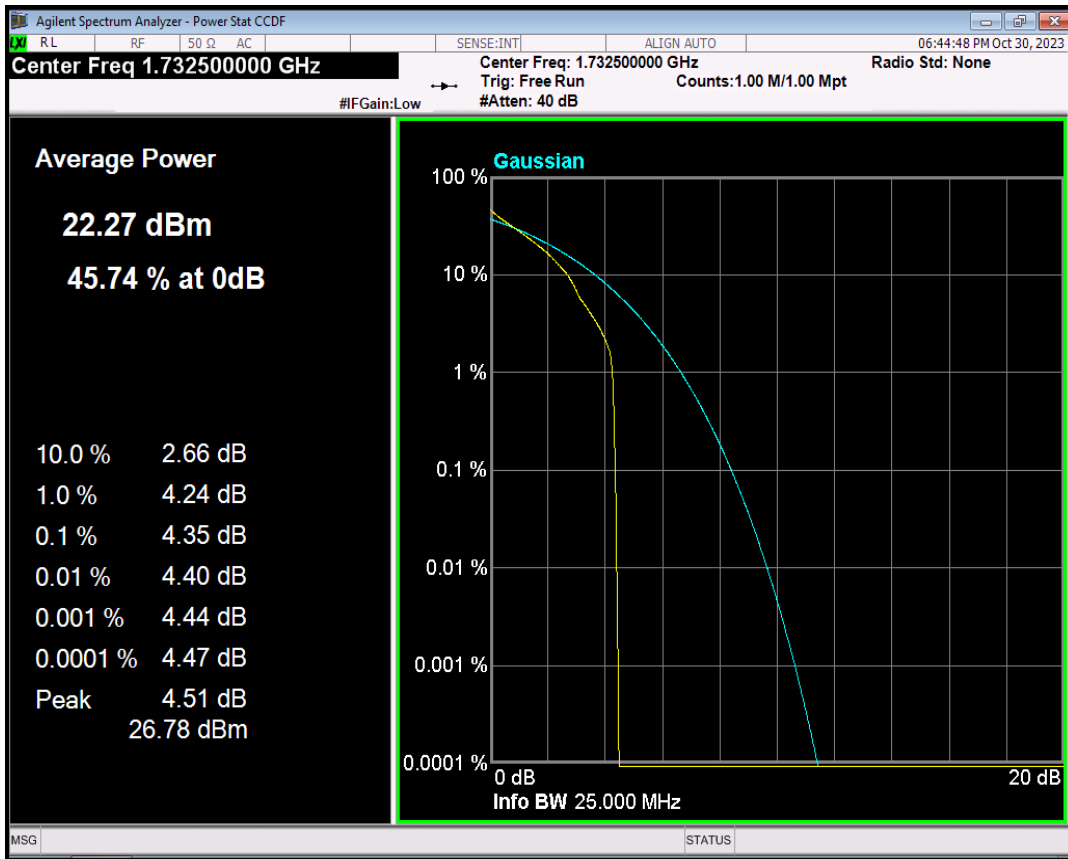
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



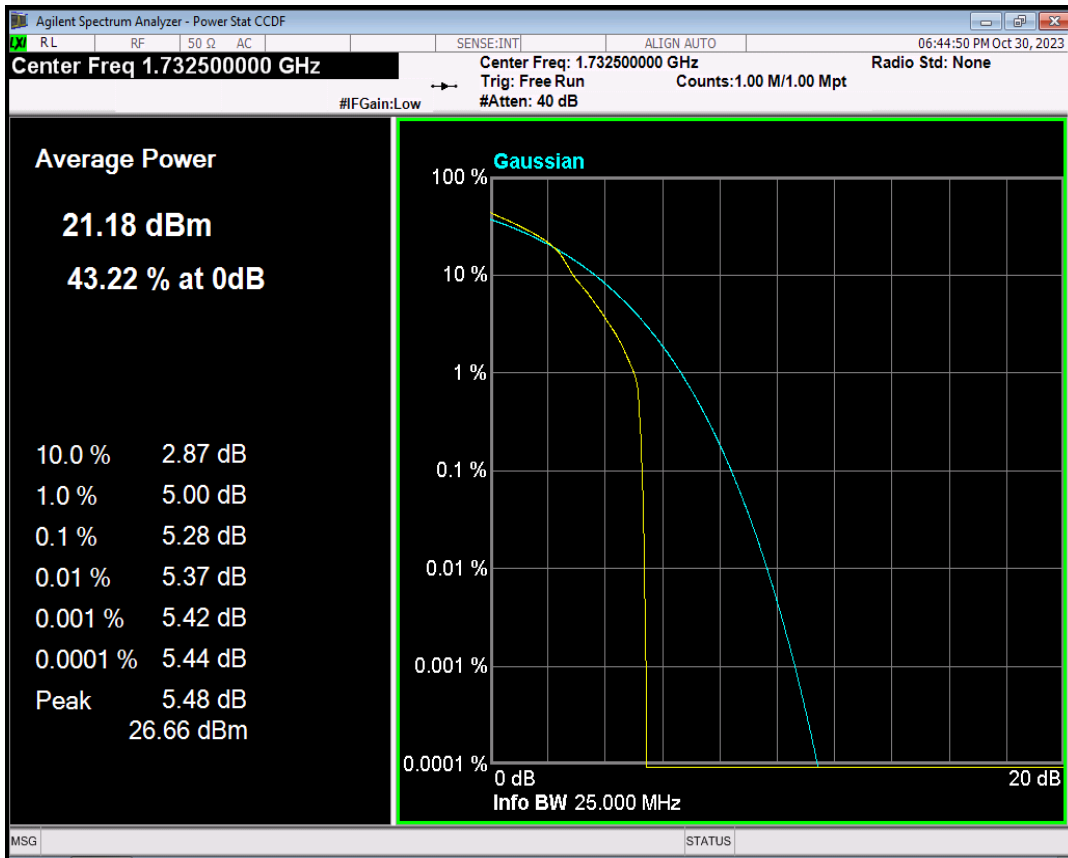
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



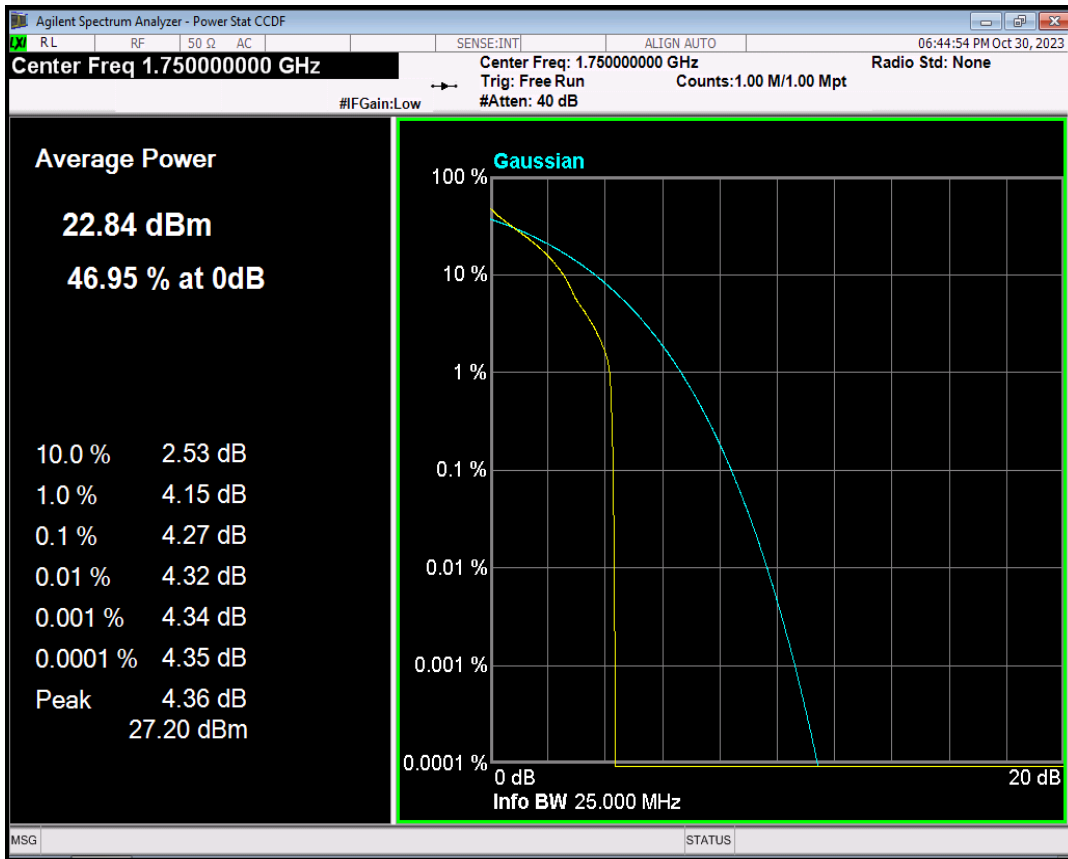
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



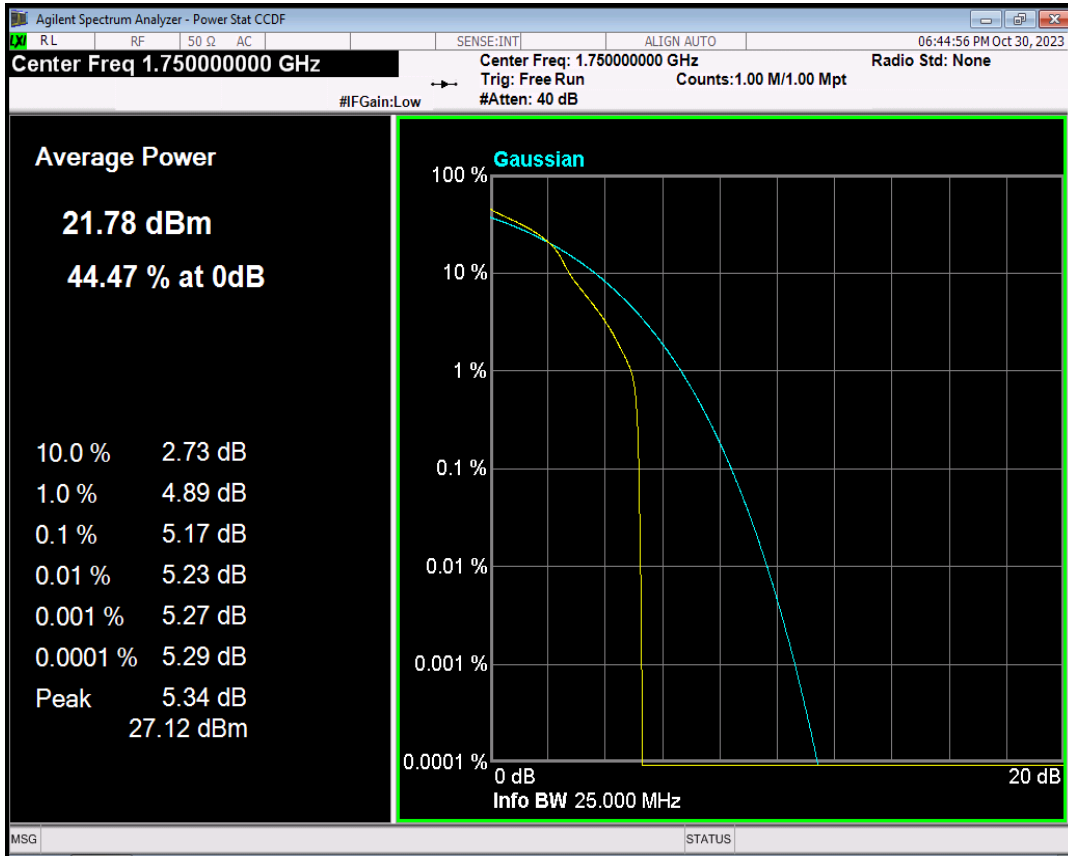
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



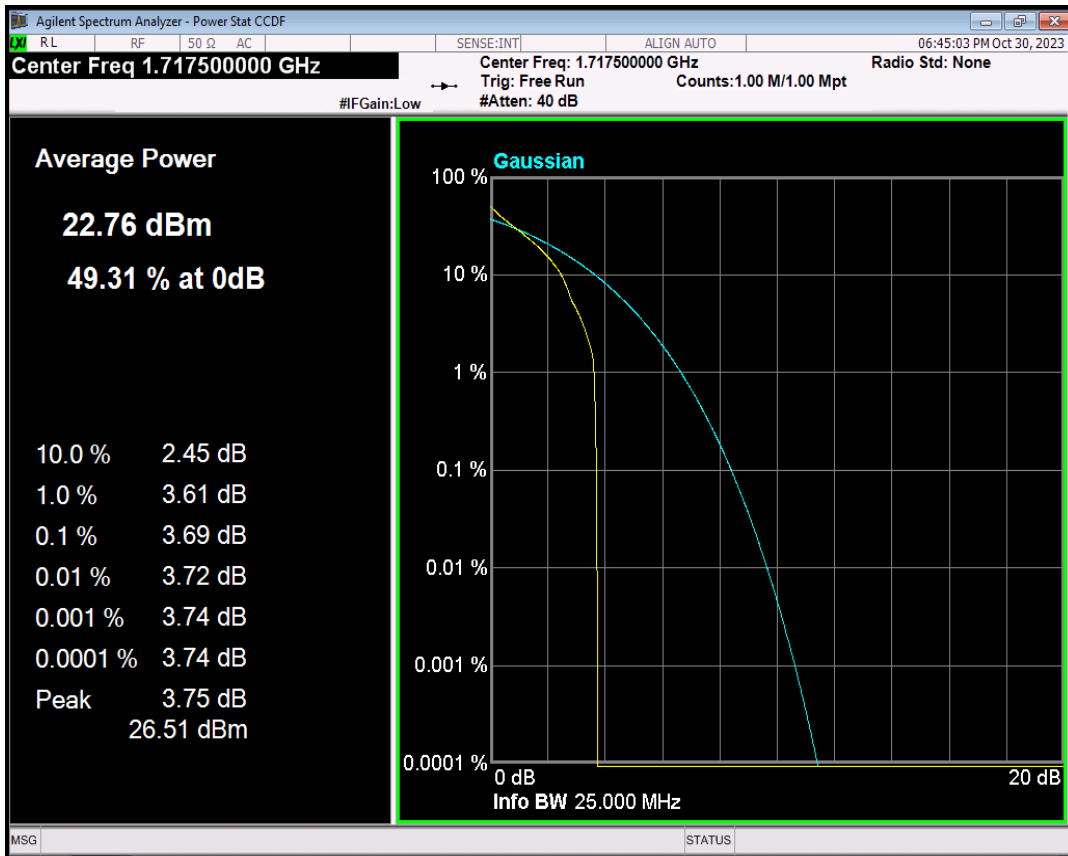
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



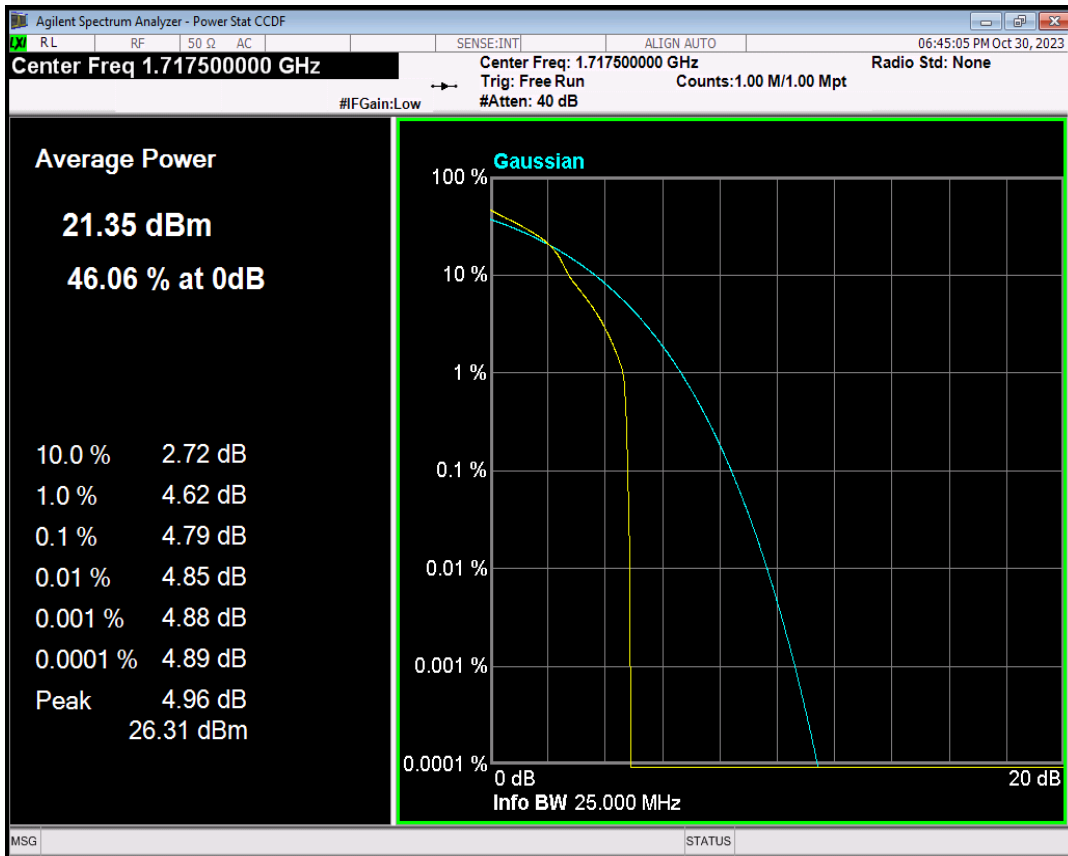
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



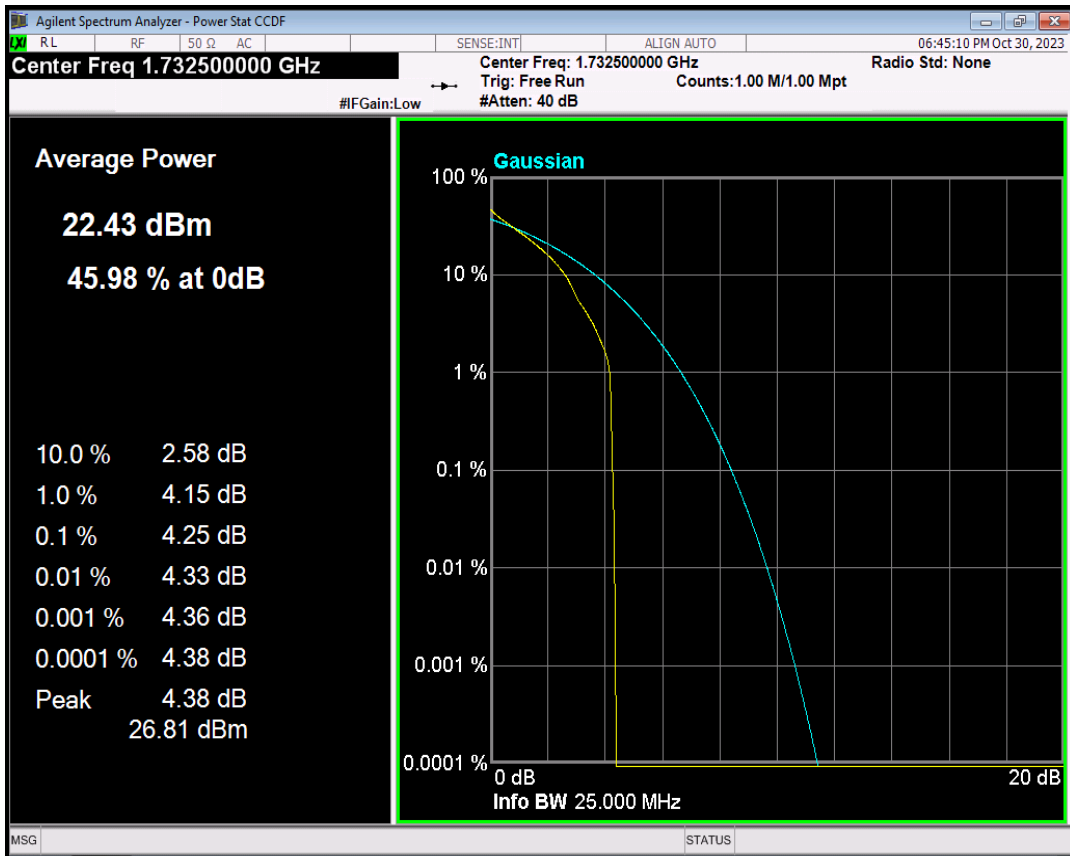
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



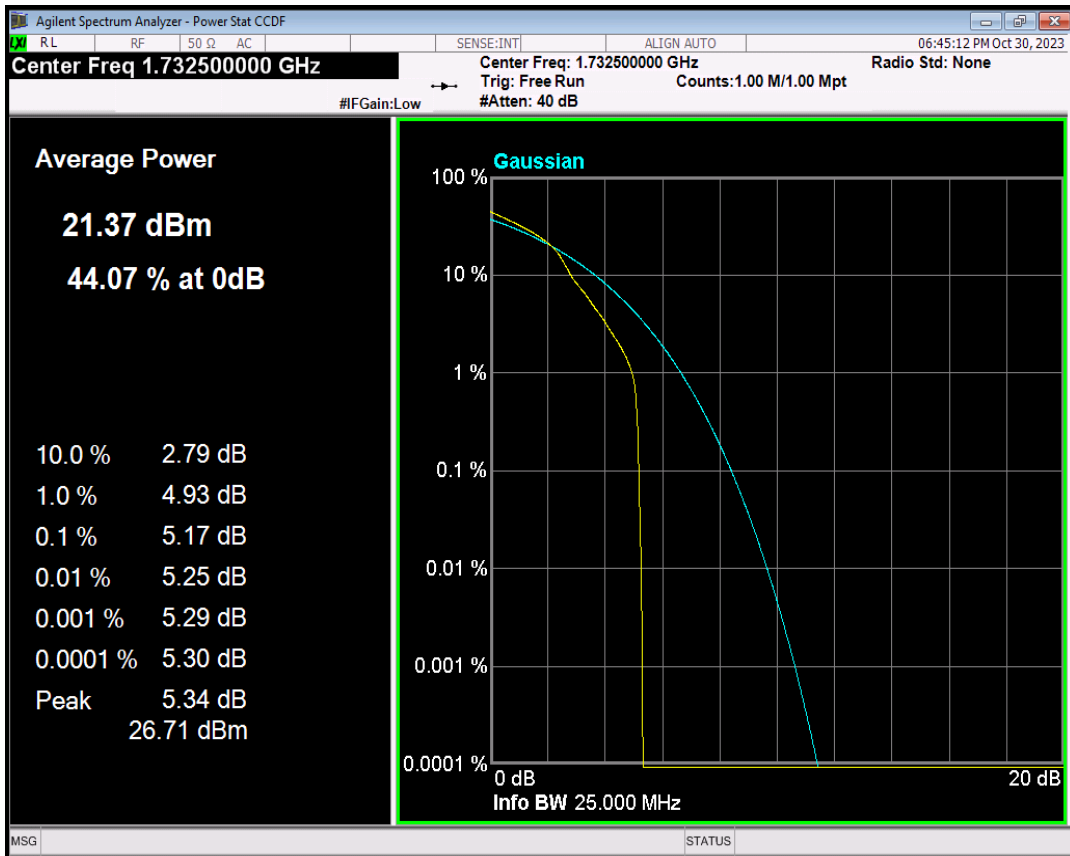
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



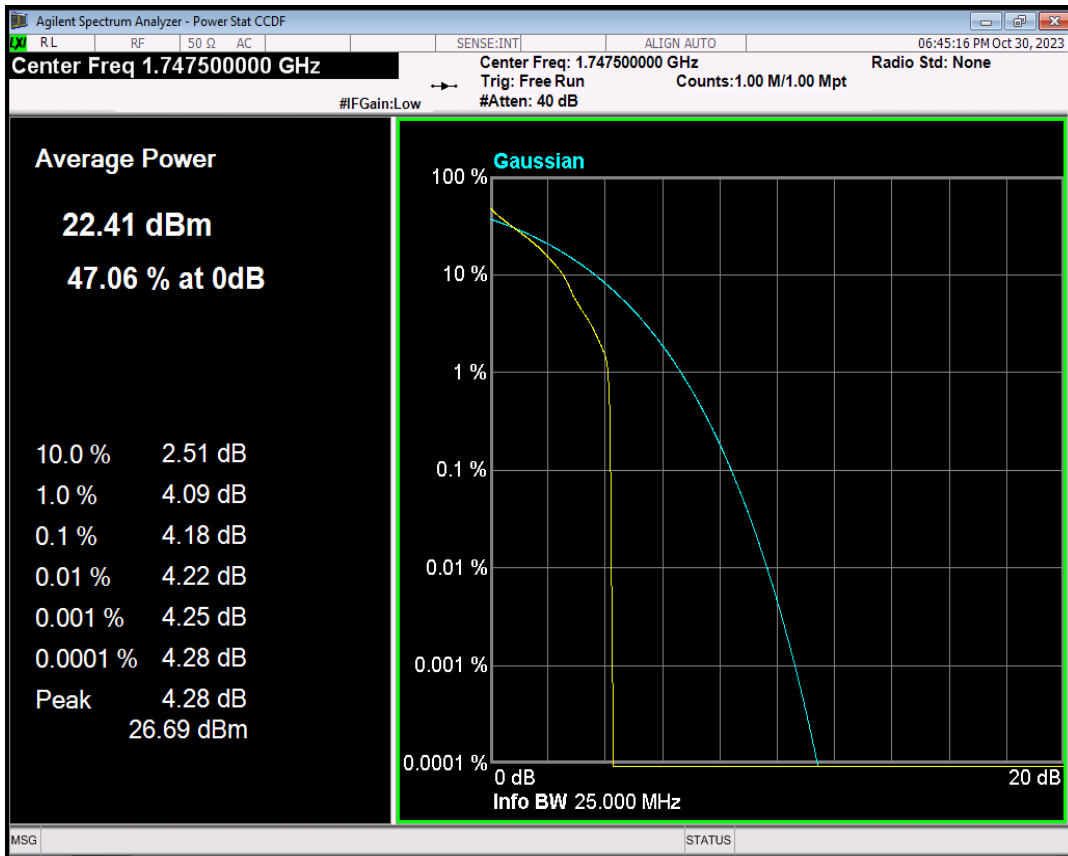
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



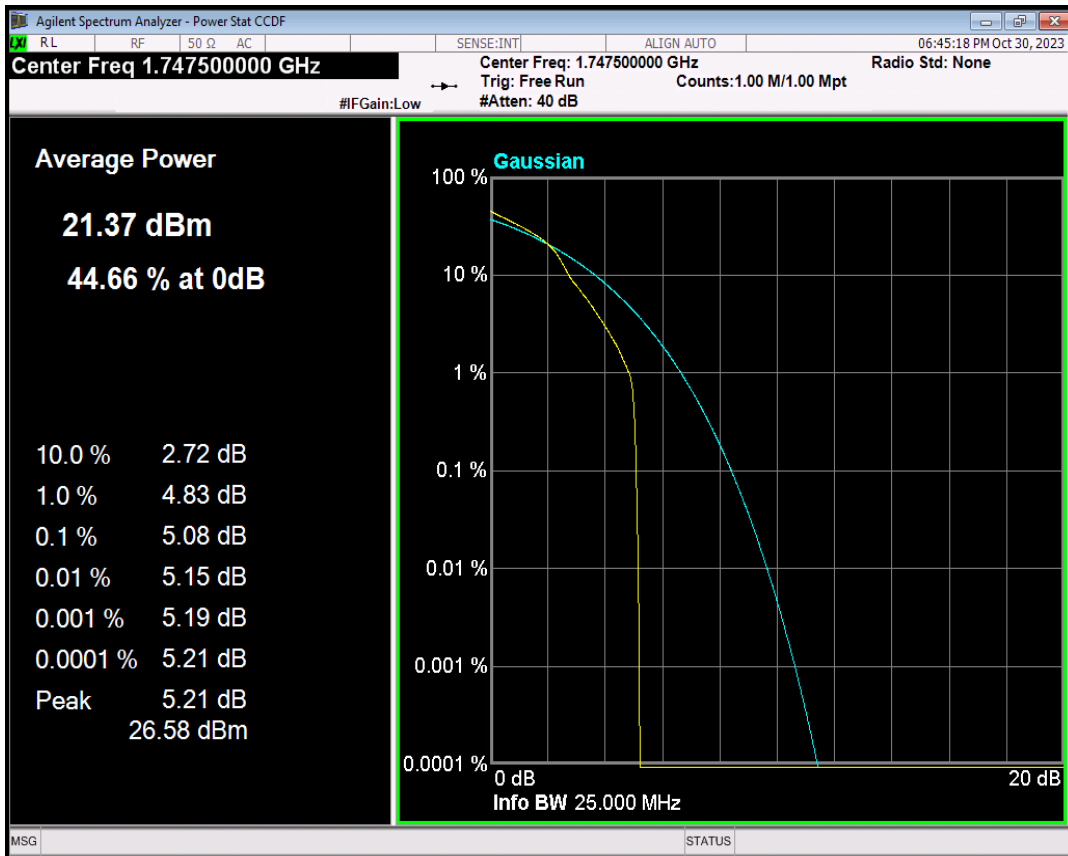
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



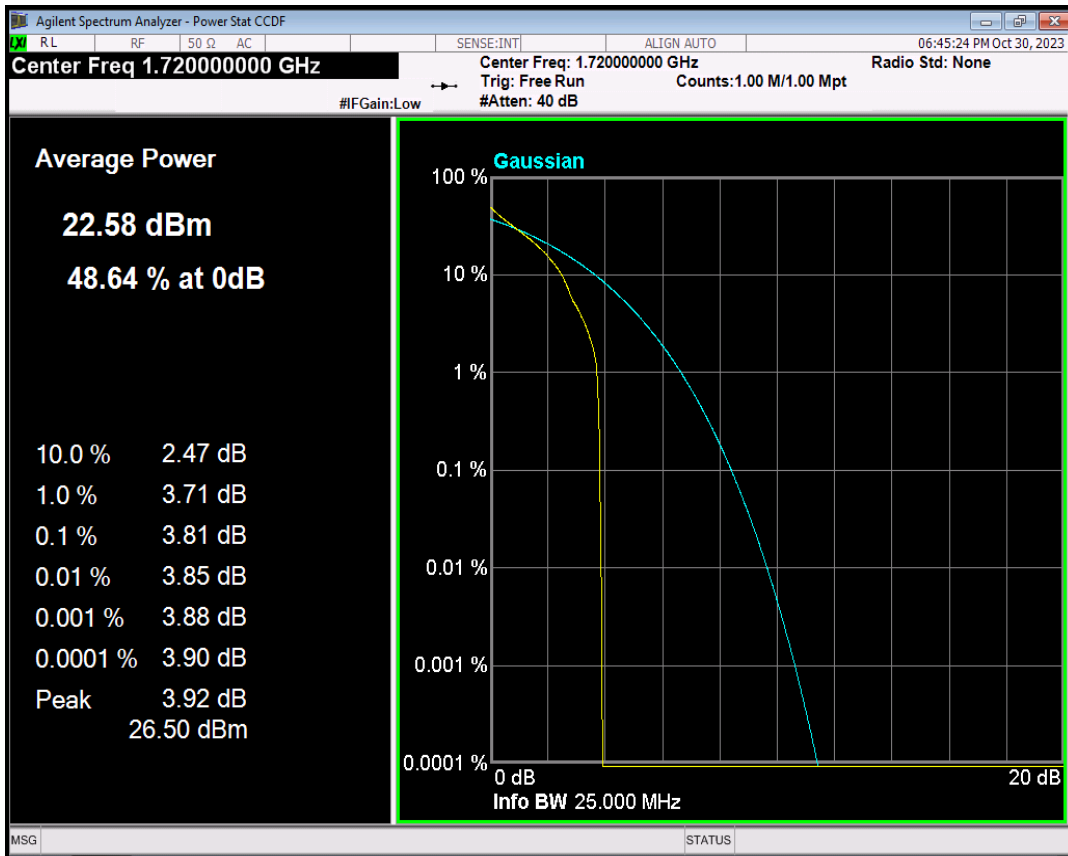
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



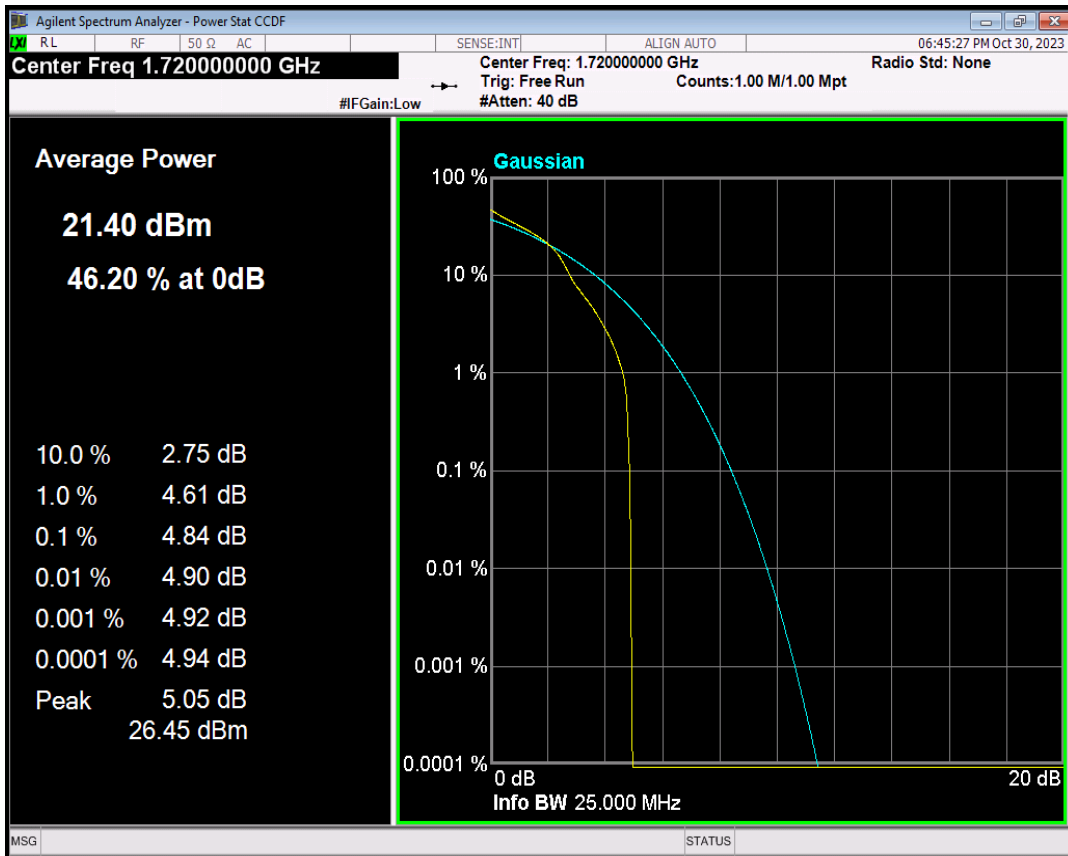
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



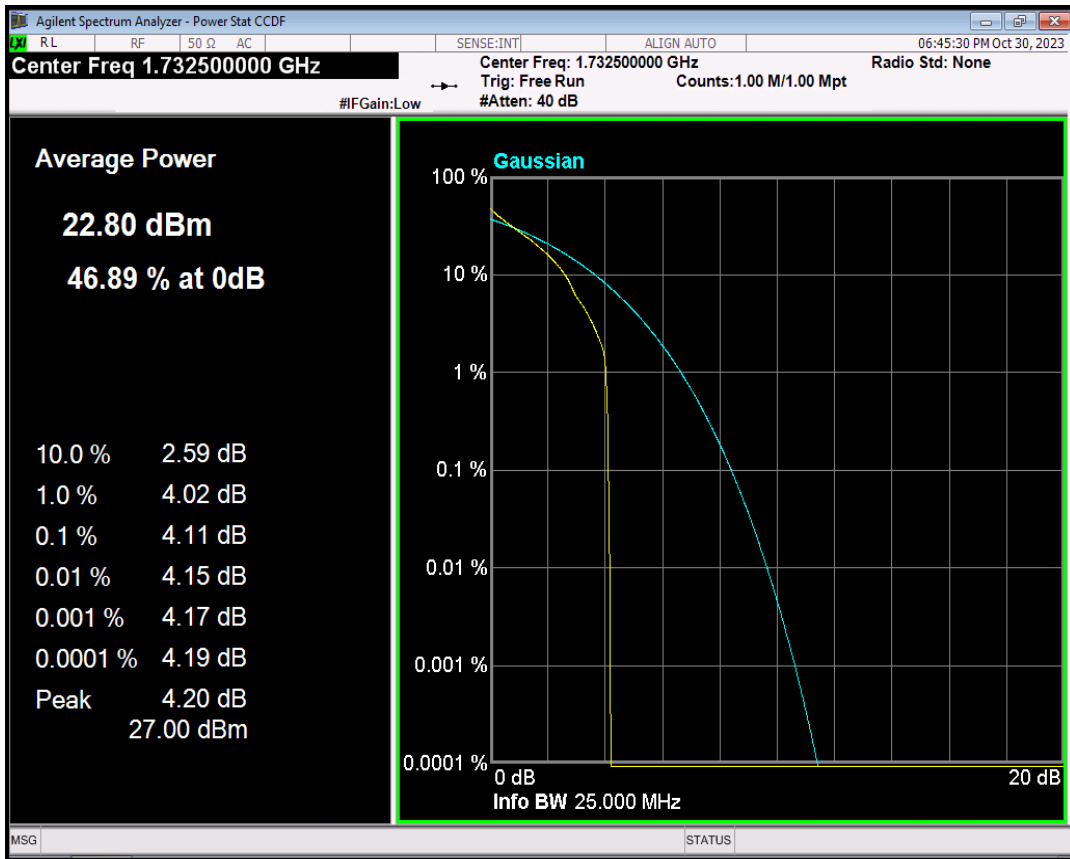
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



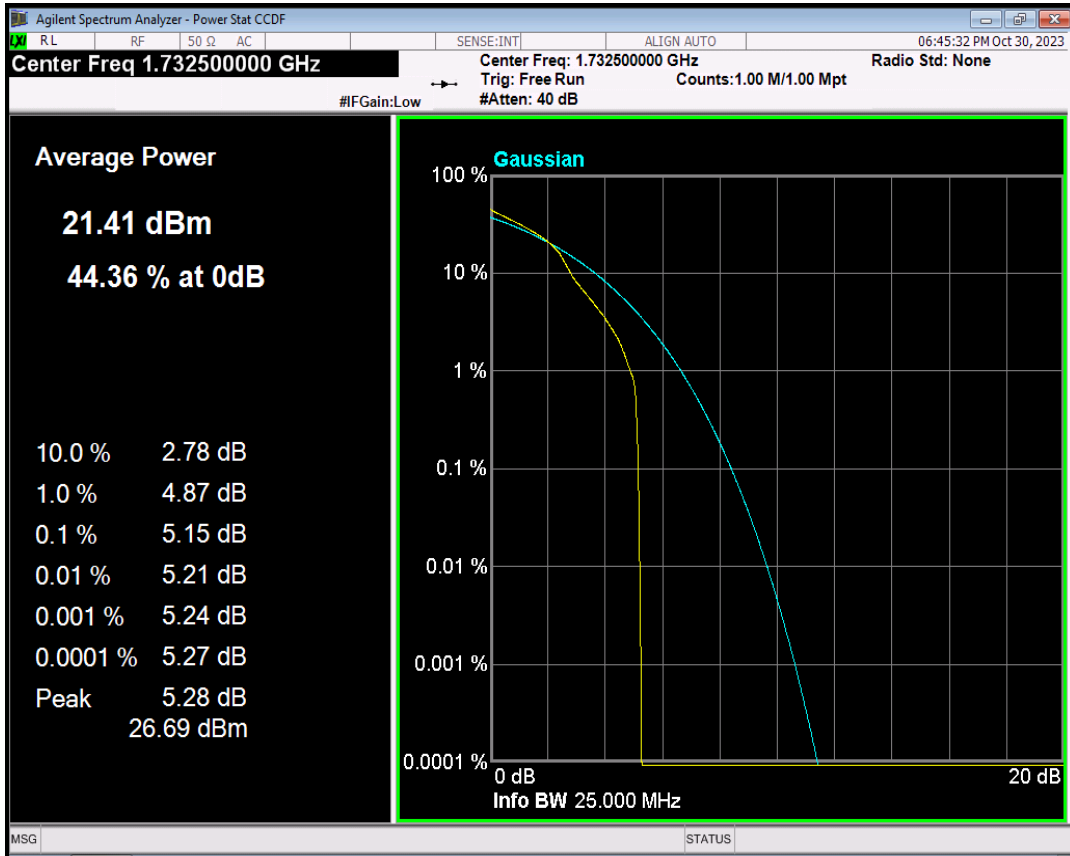
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



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

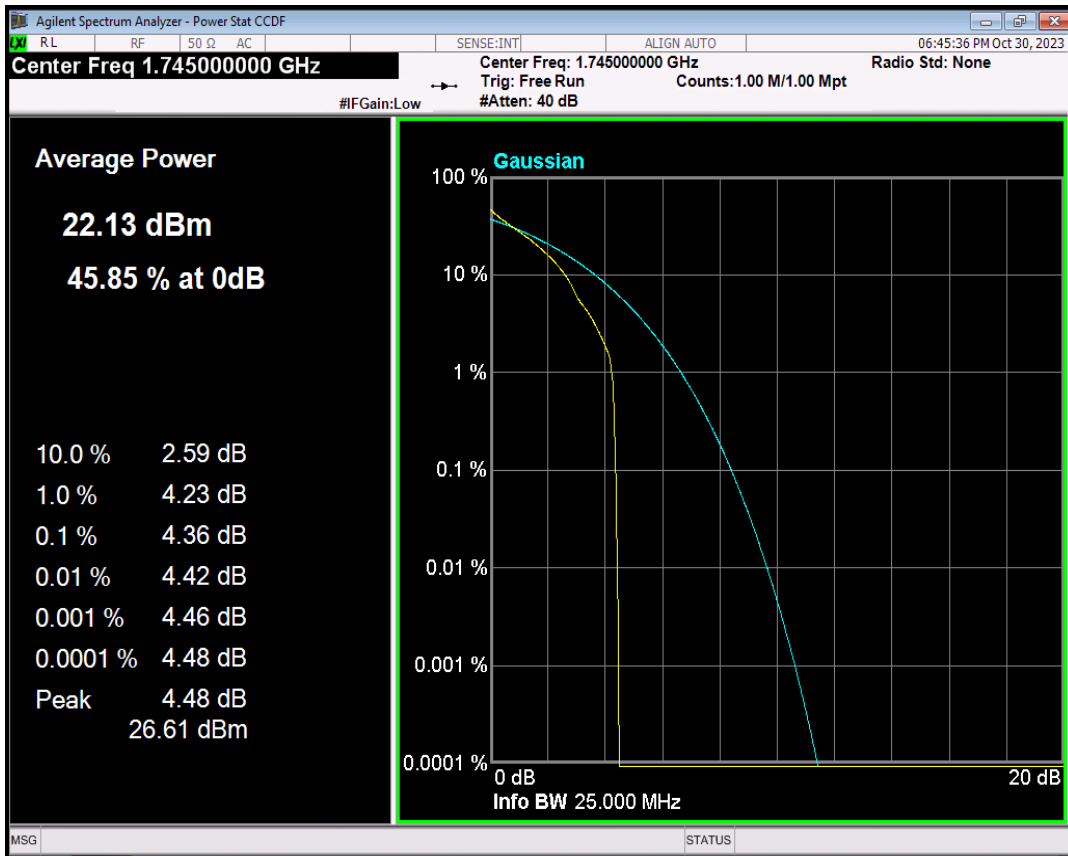


Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0

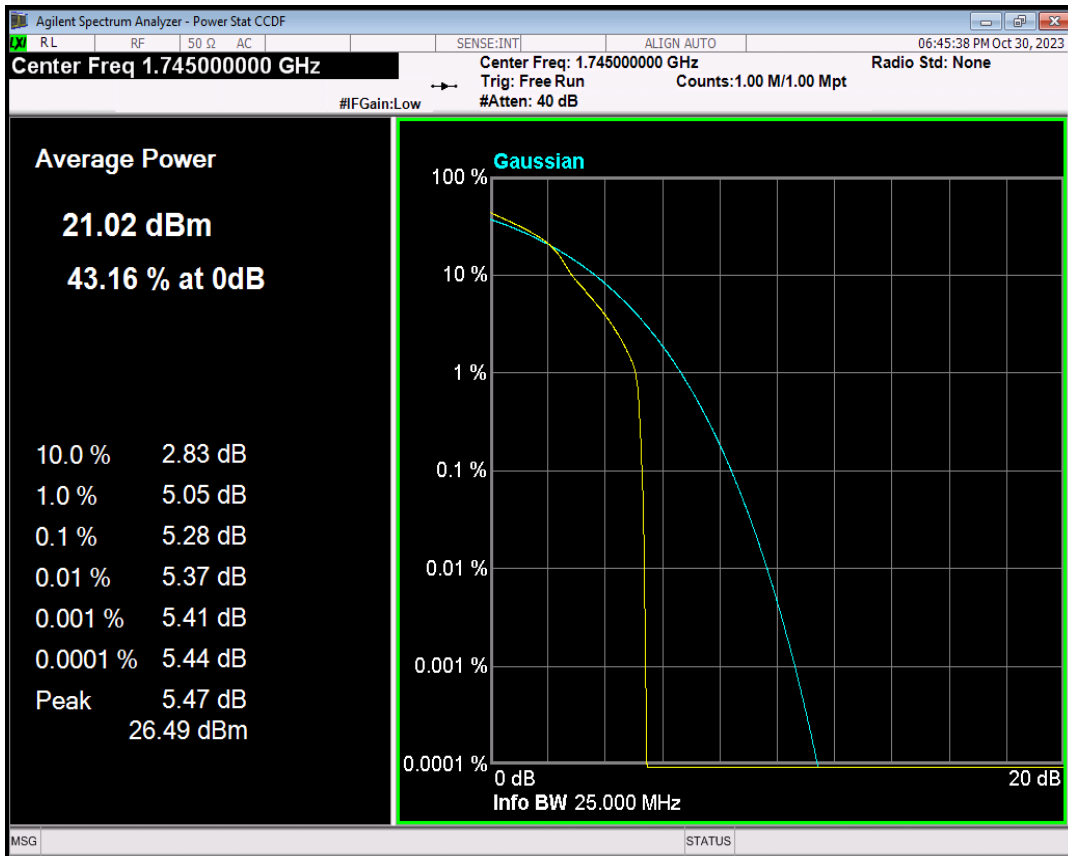




Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



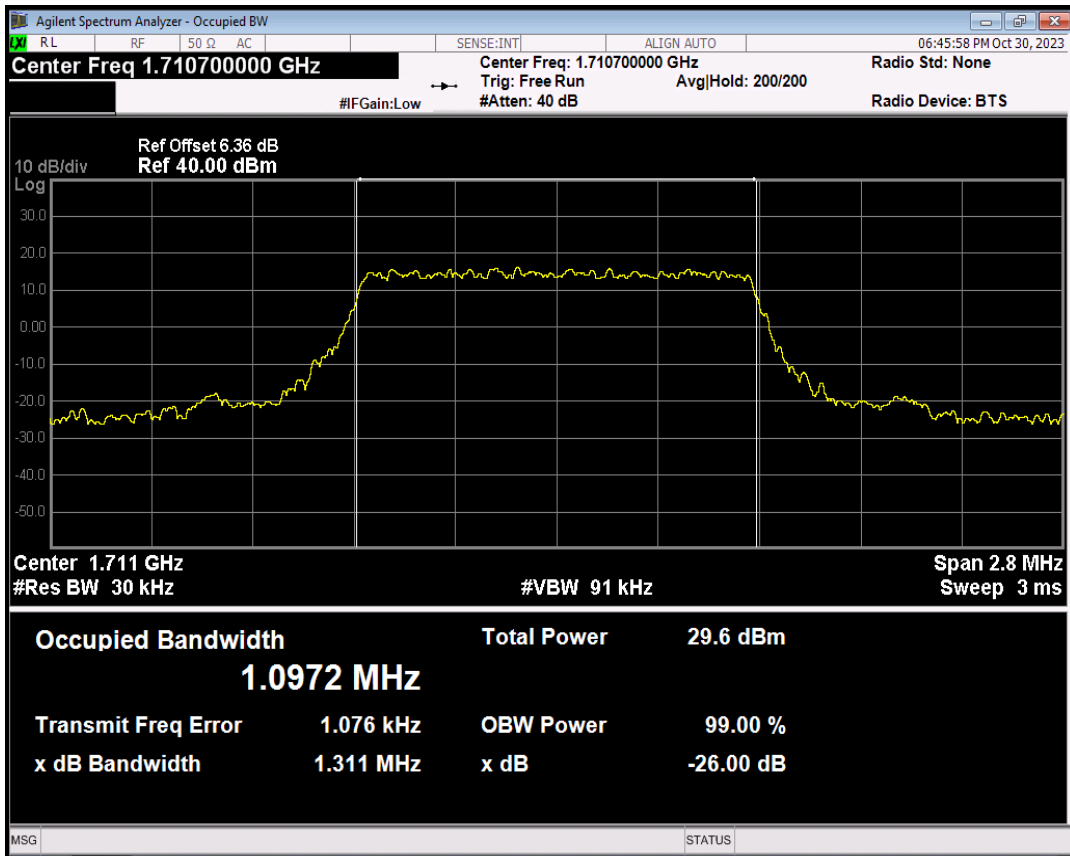
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



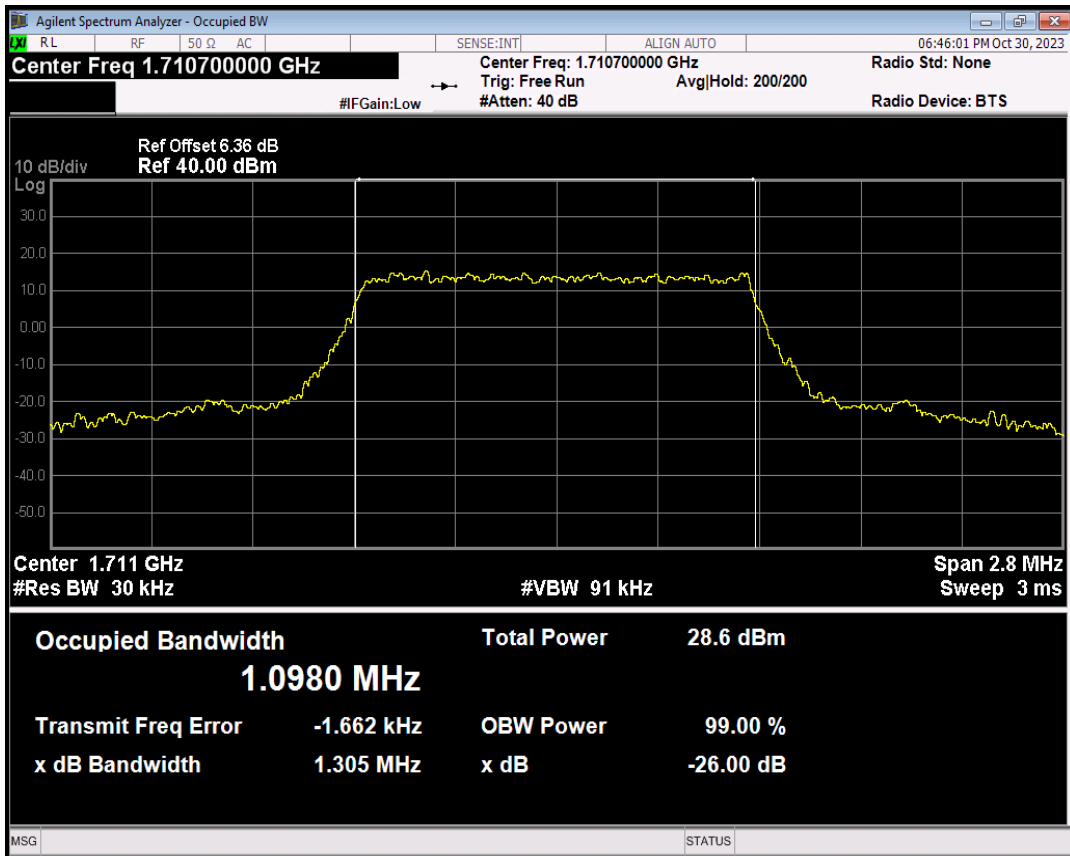
**Appendix 4. Occupied bandwidth**

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.097	1.311	PASS
Band4	1.4	19957	6	#0	16QAM	1.098	1.305	PASS
Band4	1.4	20175	6	#0	QPSK	1.097	1.280	PASS
Band4	1.4	20175	6	#0	16QAM	1.094	1.285	PASS
Band4	1.4	20393	6	#0	QPSK	1.095	1.283	PASS
Band4	1.4	20393	6	#0	16QAM	1.098	1.309	PASS
Band4	3	19965	15	#0	QPSK	2.699	2.998	PASS
Band4	3	19965	15	#0	16QAM	2.709	2.961	PASS
Band4	3	20175	15	#0	QPSK	2.700	2.974	PASS
Band4	3	20175	15	#0	16QAM	2.702	3.025	PASS
Band4	3	20385	15	#0	QPSK	2.714	2.986	PASS
Band4	3	20385	15	#0	16QAM	2.703	2.982	PASS
Band4	5	19975	25	#0	QPSK	4.512	4.964	PASS
Band4	5	19975	25	#0	16QAM	4.519	5.009	PASS
Band4	5	20175	25	#0	QPSK	4.520	4.938	PASS
Band4	5	20175	25	#0	16QAM	4.522	5.009	PASS
Band4	5	20375	25	#0	QPSK	4.500	5.005	PASS
Band4	5	20375	25	#0	16QAM	4.520	4.977	PASS
Band4	10	20000	50	#0	QPSK	8.964	9.876	PASS
Band4	10	20000	50	#0	16QAM	8.996	9.757	PASS
Band4	10	20175	50	#0	QPSK	8.991	9.851	PASS
Band4	10	20175	50	#0	16QAM	9.001	9.765	PASS
Band4	10	20350	50	#0	QPSK	8.991	9.732	PASS
Band4	10	20350	50	#0	16QAM	8.960	9.763	PASS
Band4	15	20025	75	#0	QPSK	13.440	14.721	PASS
Band4	15	20025	75	#0	16QAM	13.415	14.666	PASS
Band4	15	20175	75	#0	QPSK	13.517	14.779	PASS
Band4	15	20175	75	#0	16QAM	13.505	14.551	PASS
Band4	15	20325	75	#0	QPSK	13.384	14.641	PASS
Band4	15	20325	75	#0	16QAM	13.420	14.612	PASS
Band4	20	20050	100	#0	QPSK	17.800	19.118	PASS
Band4	20	20050	100	#0	16QAM	17.839	19.176	PASS
Band4	20	20175	100	#0	QPSK	18.049	19.613	PASS
Band4	20	20175	100	#0	16QAM	18.027	19.394	PASS
Band4	20	20300	100	#0	QPSK	17.792	19.246	PASS
Band4	20	20300	100	#0	16QAM	17.831	19.310	PASS

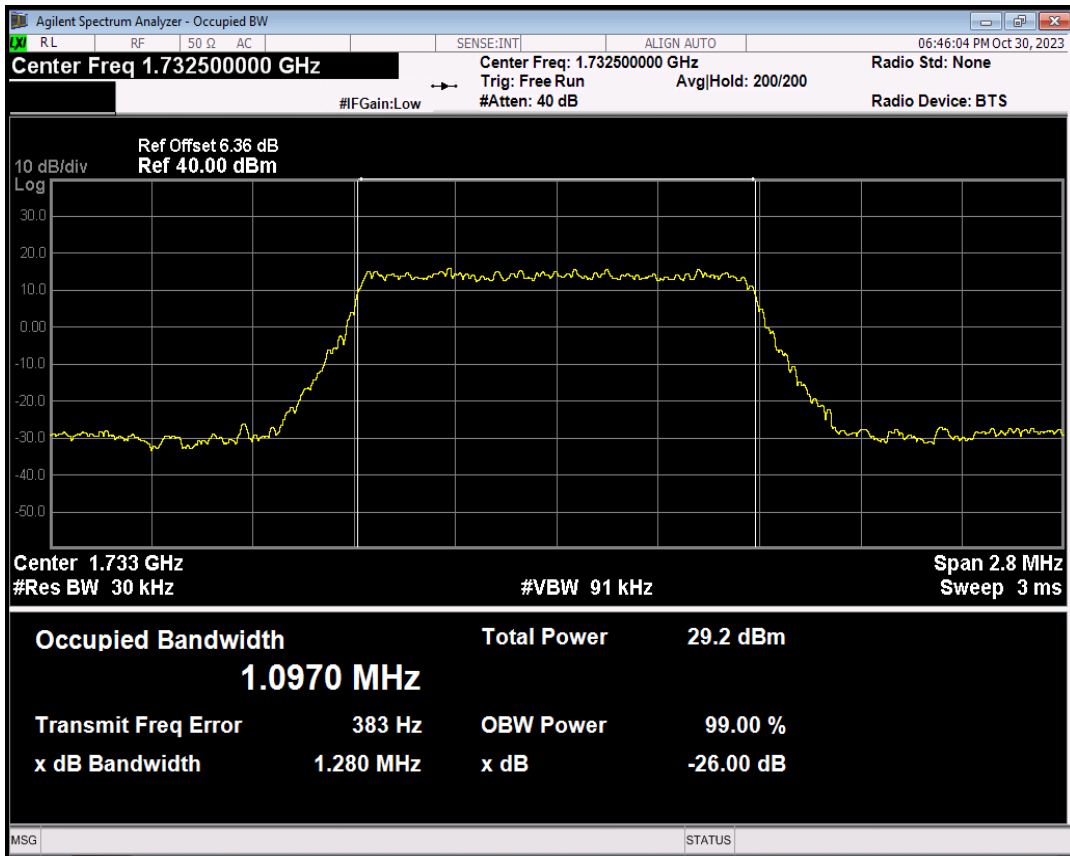
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



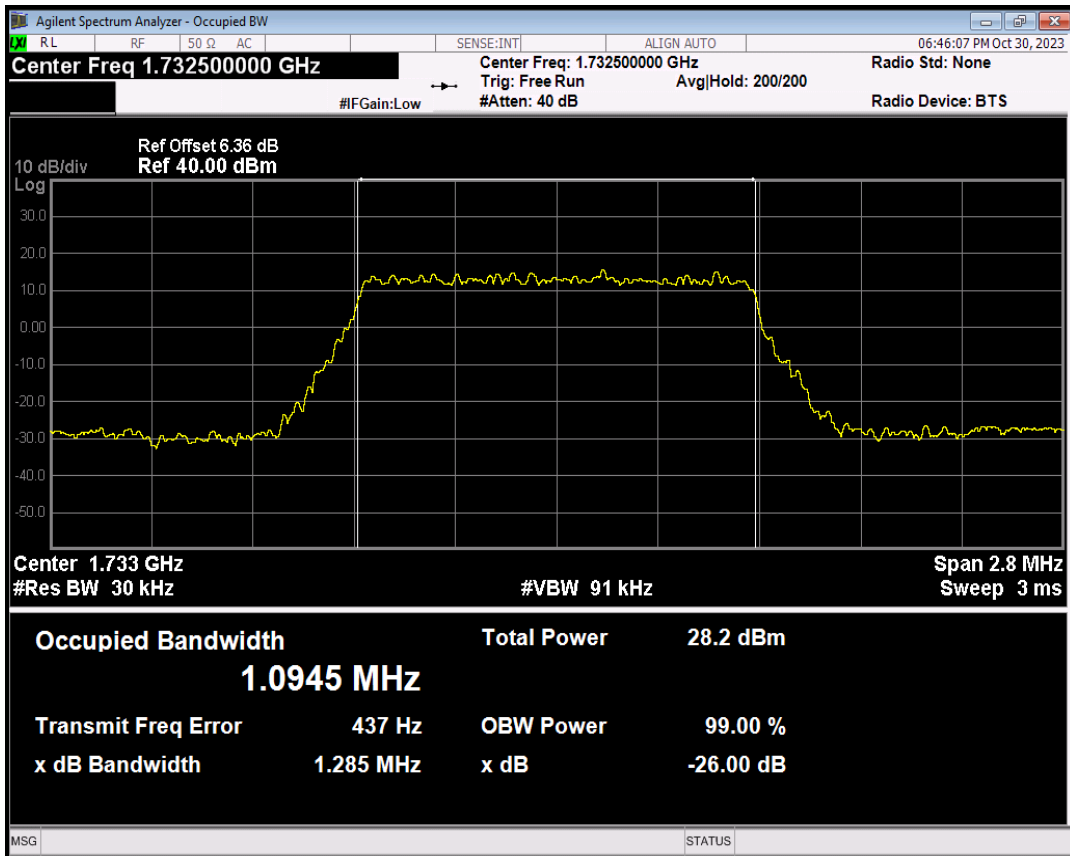
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



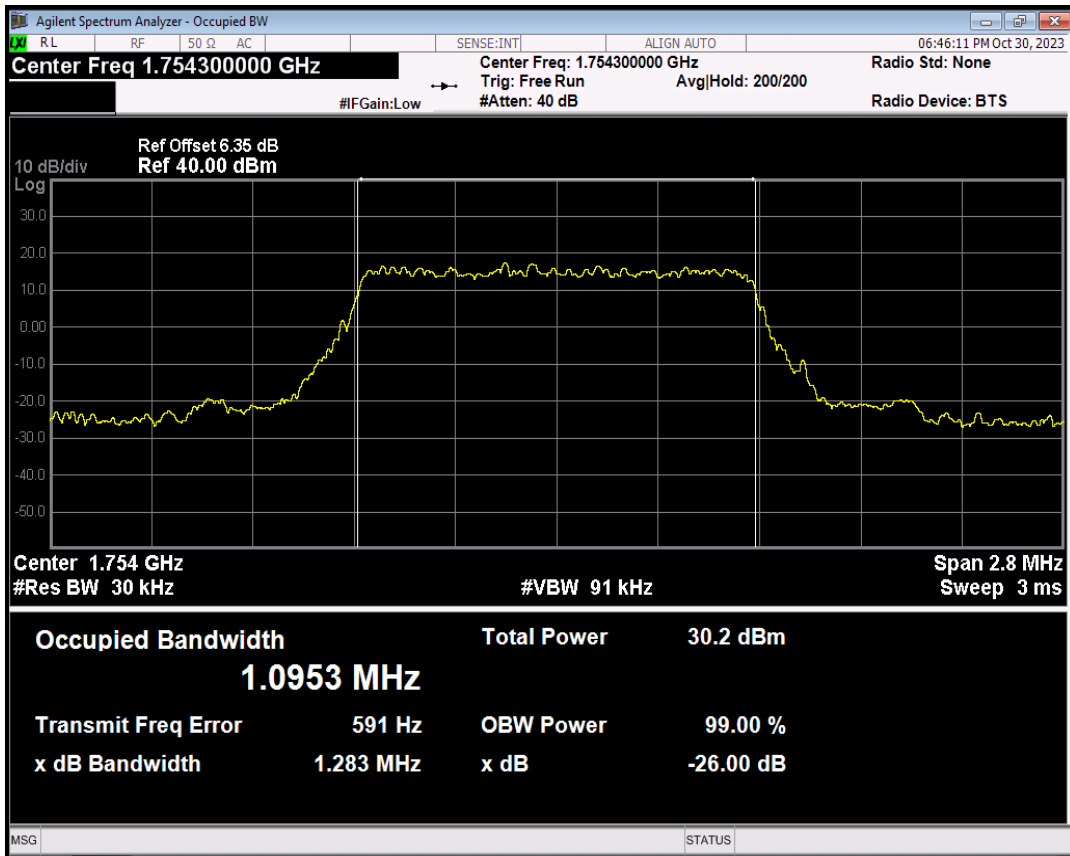
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



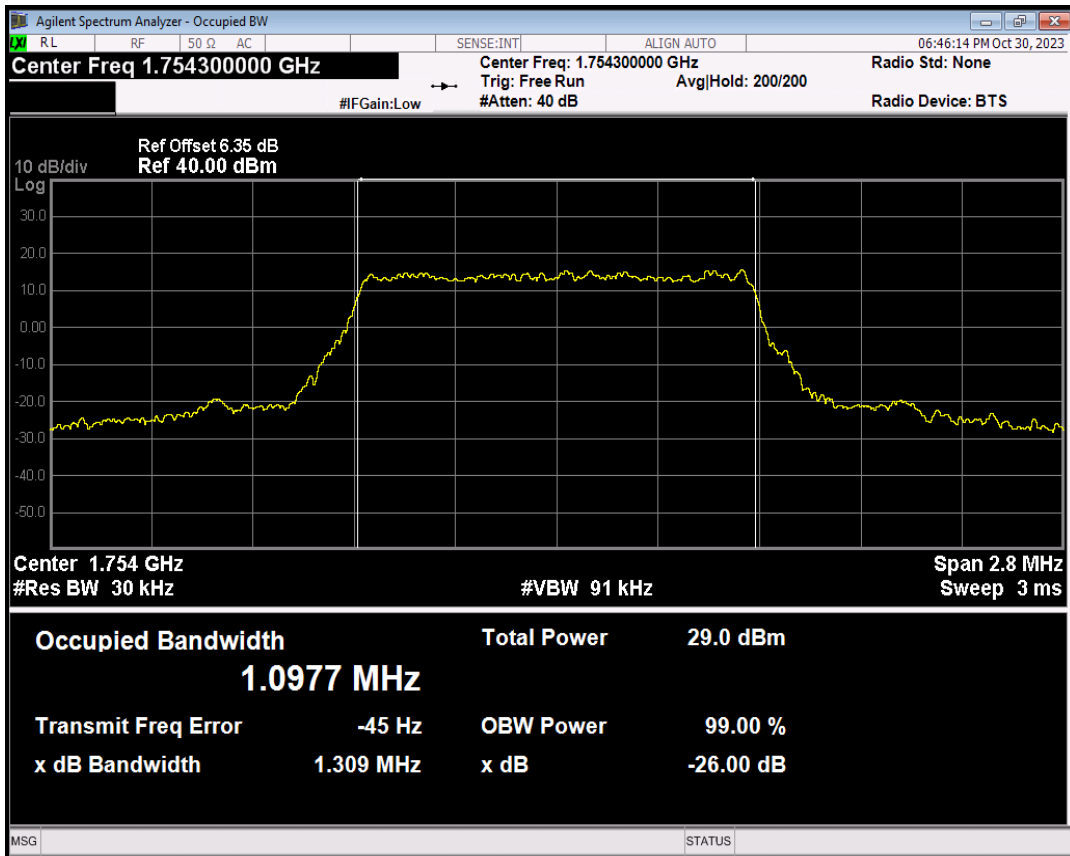
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



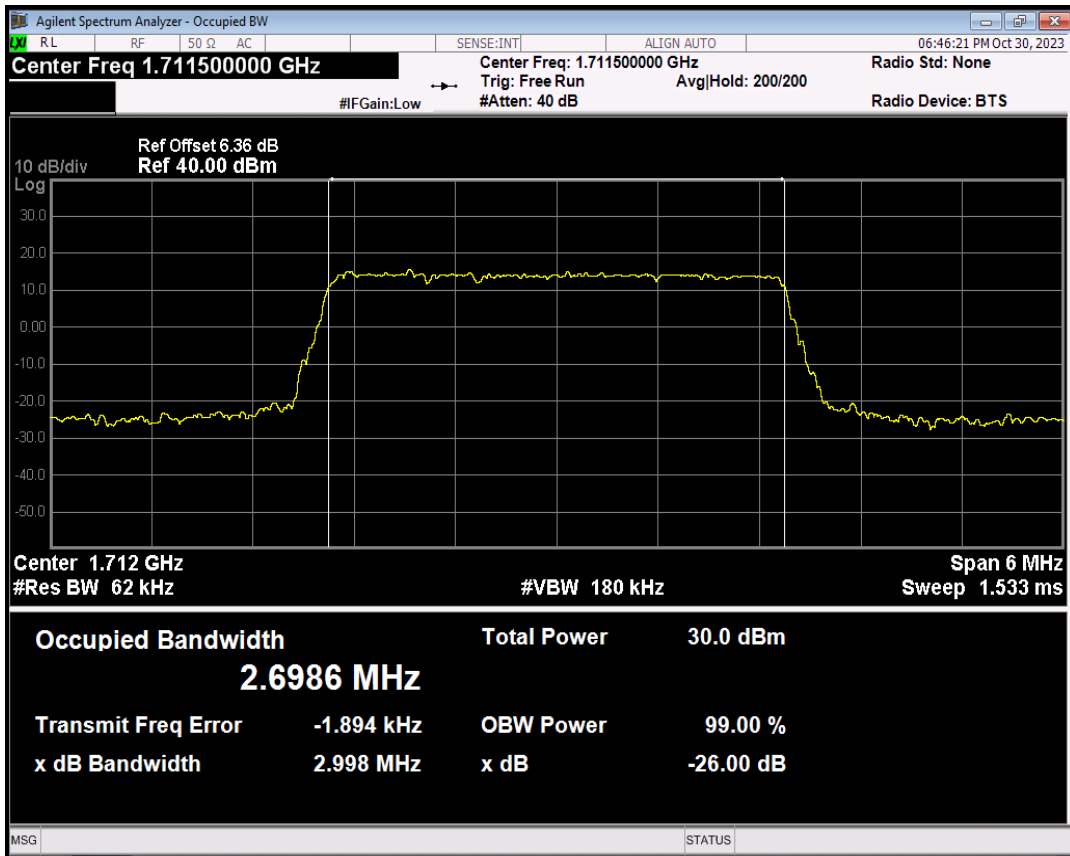
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



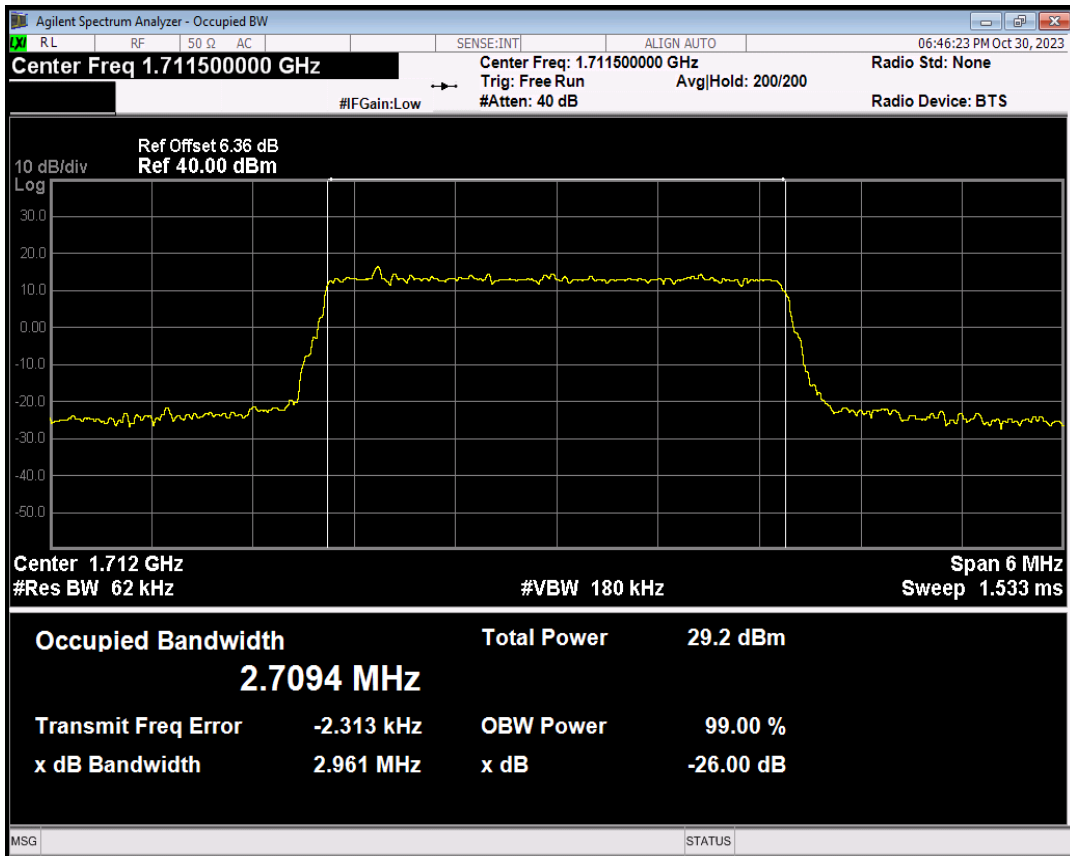
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



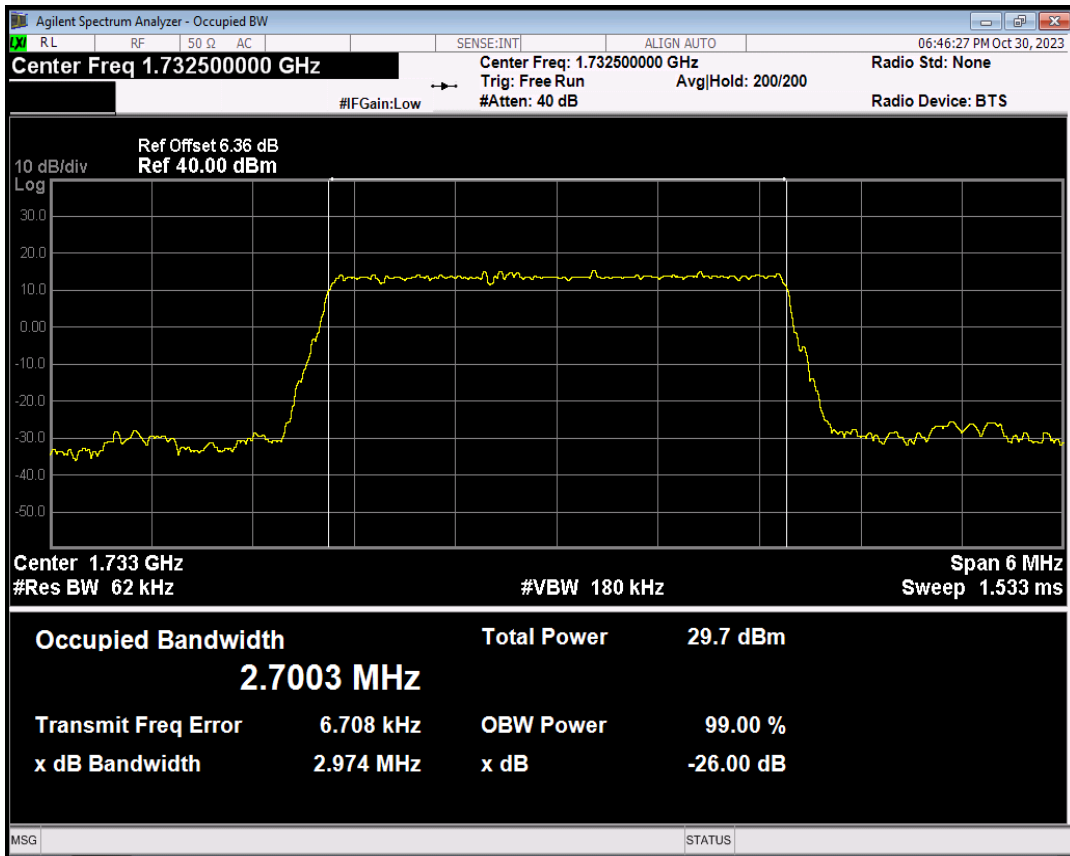
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



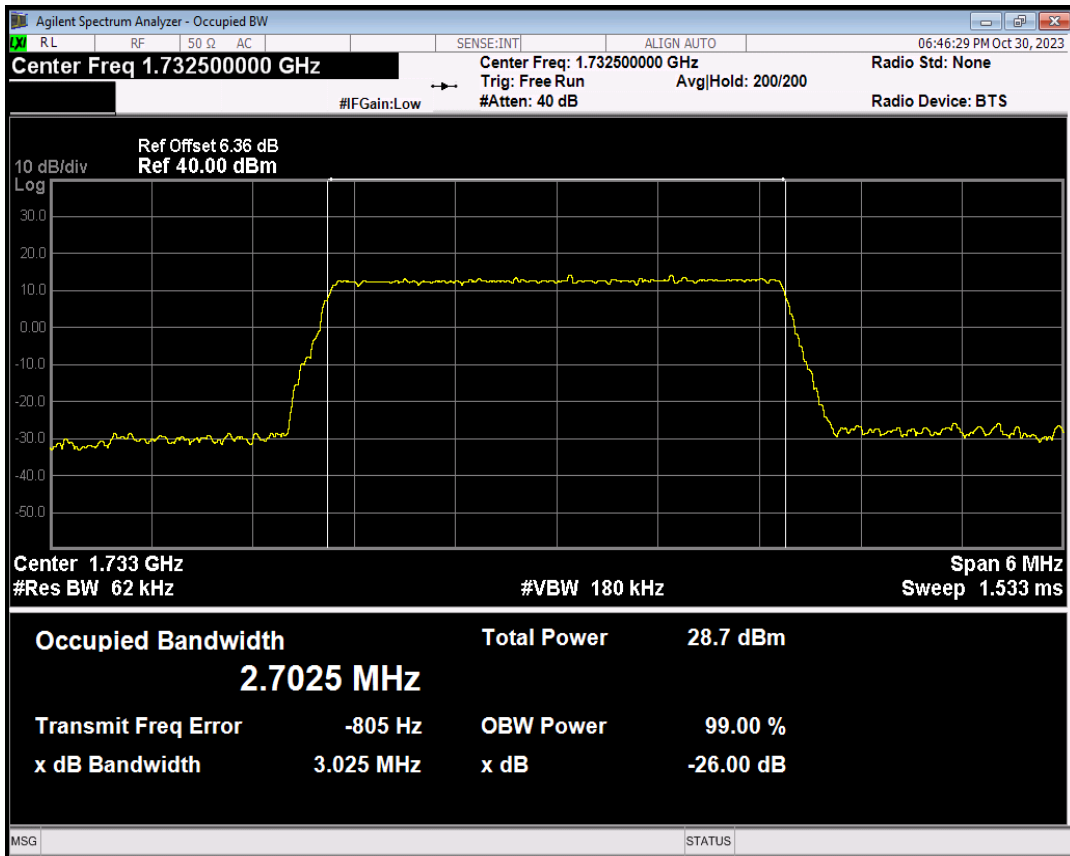
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



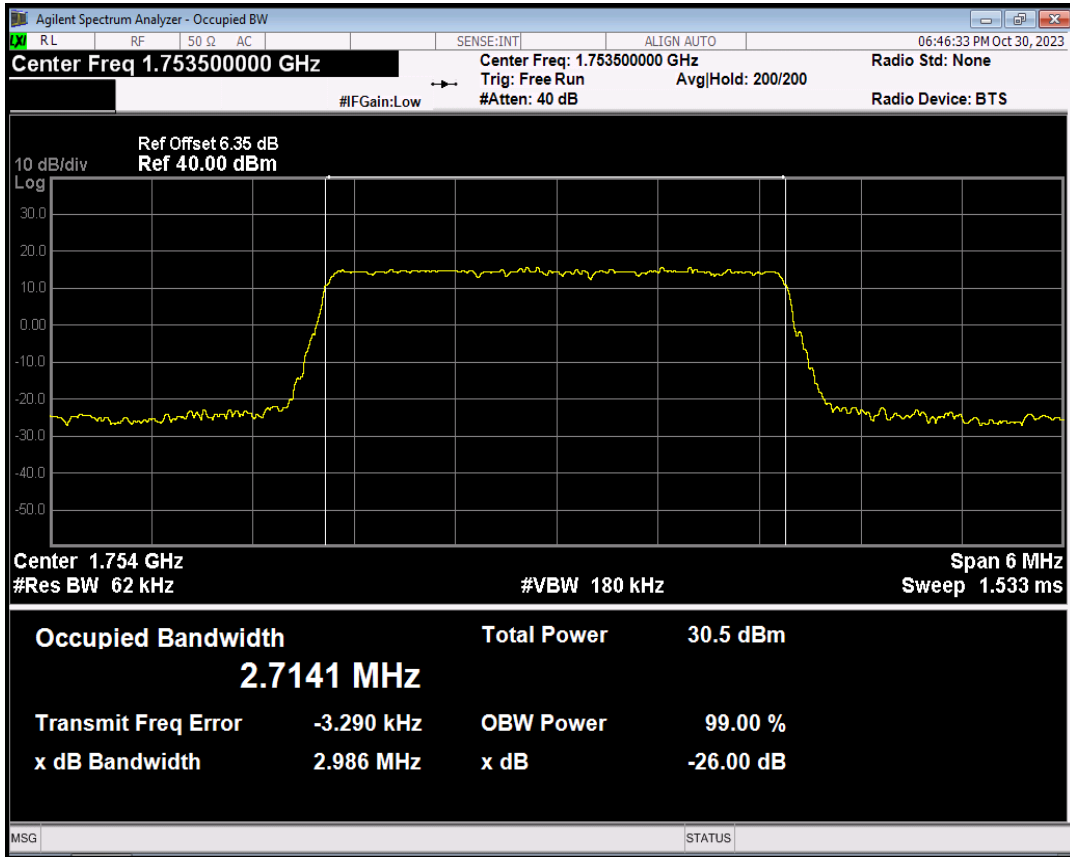
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



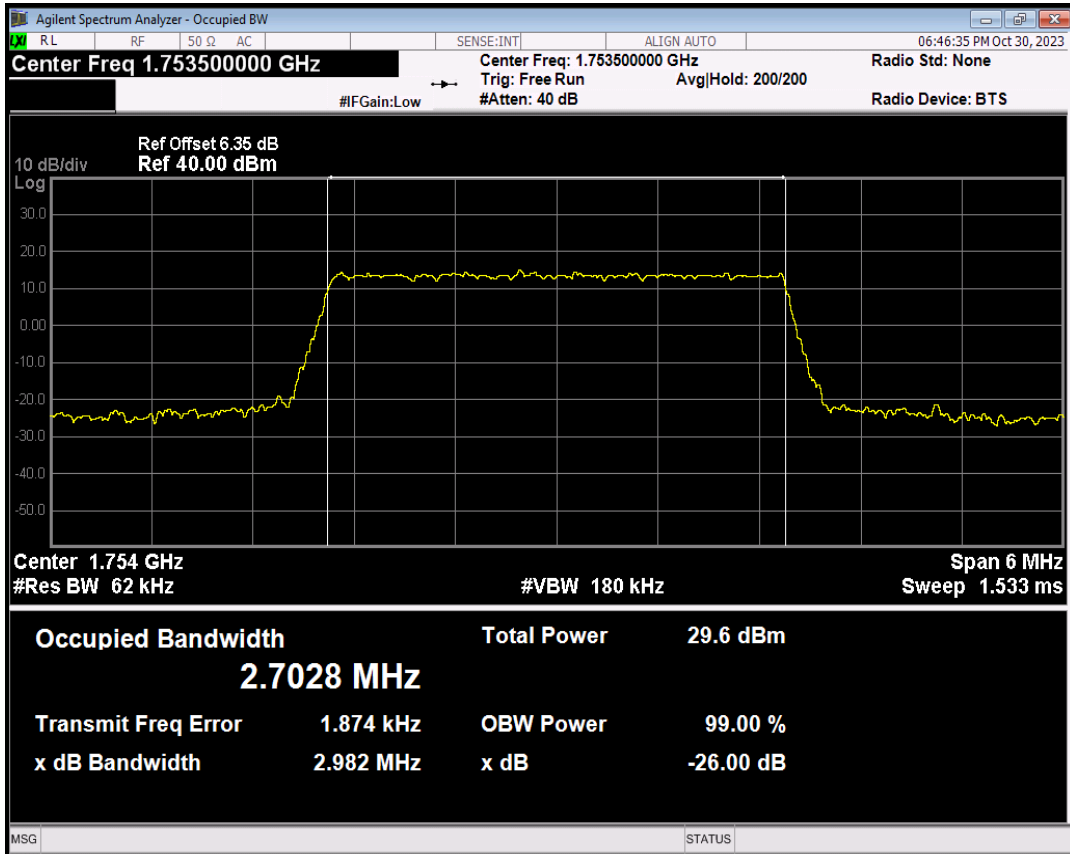
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



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

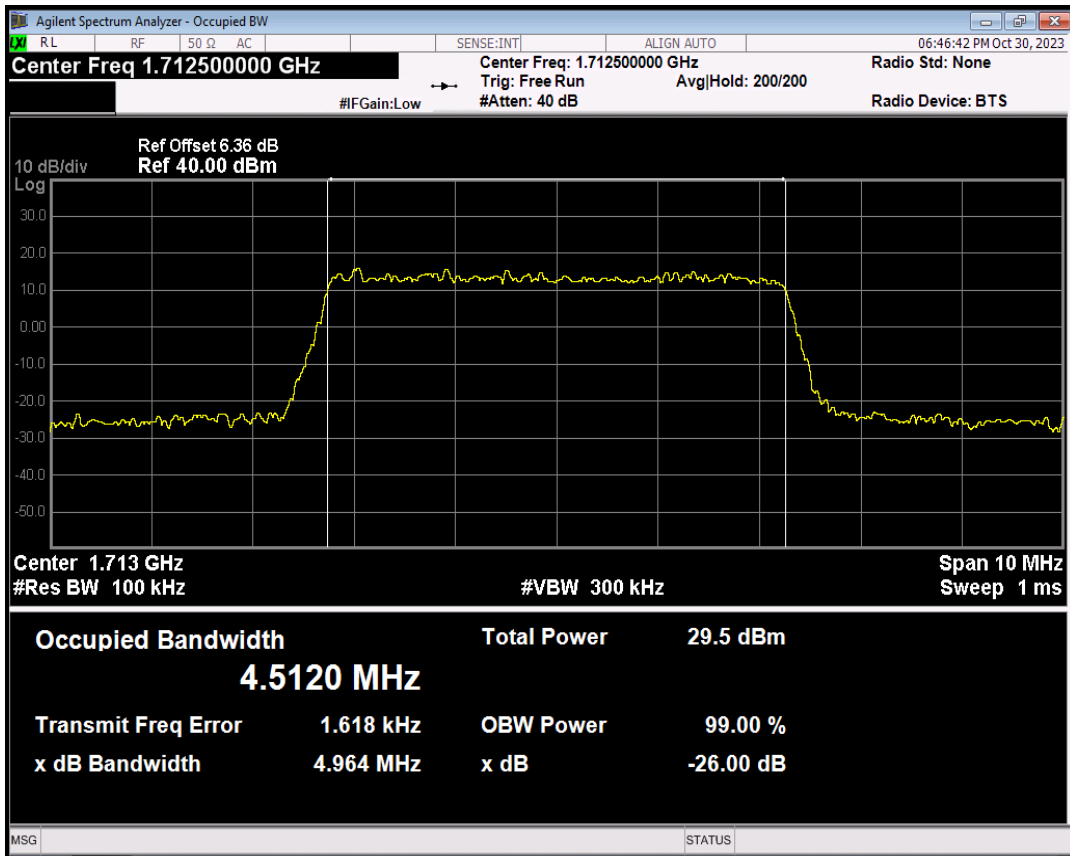


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

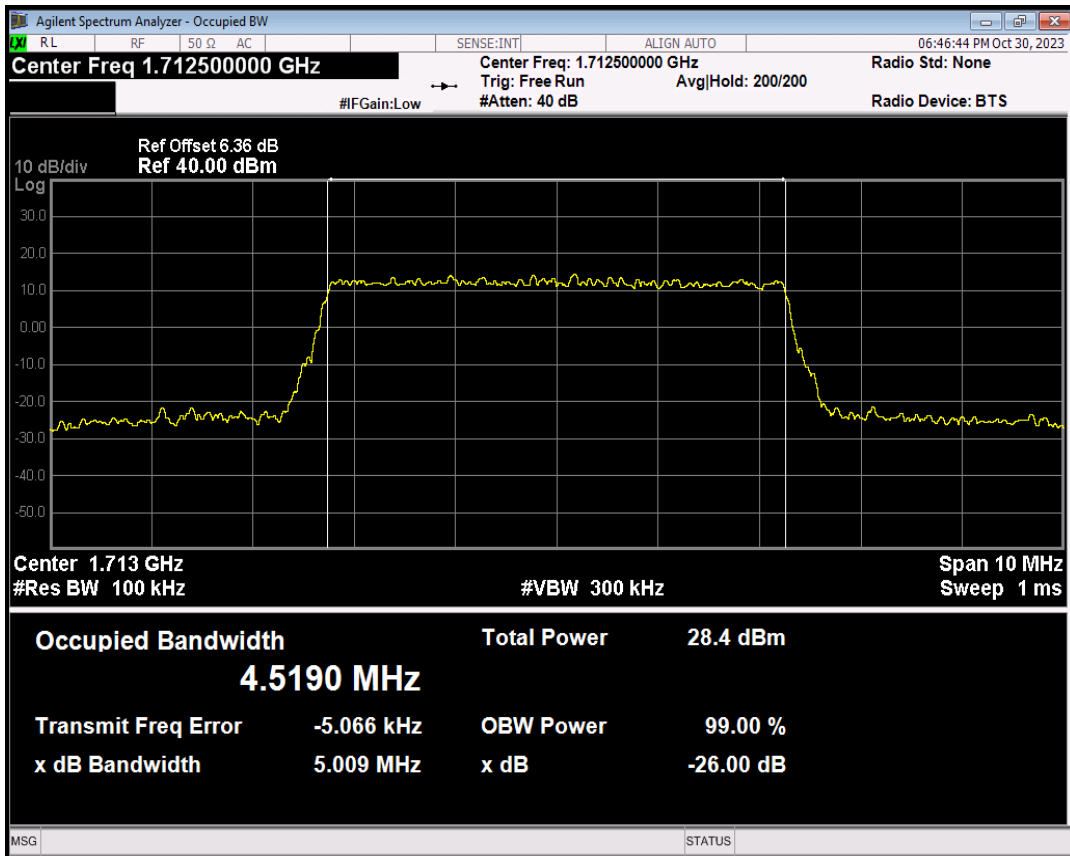




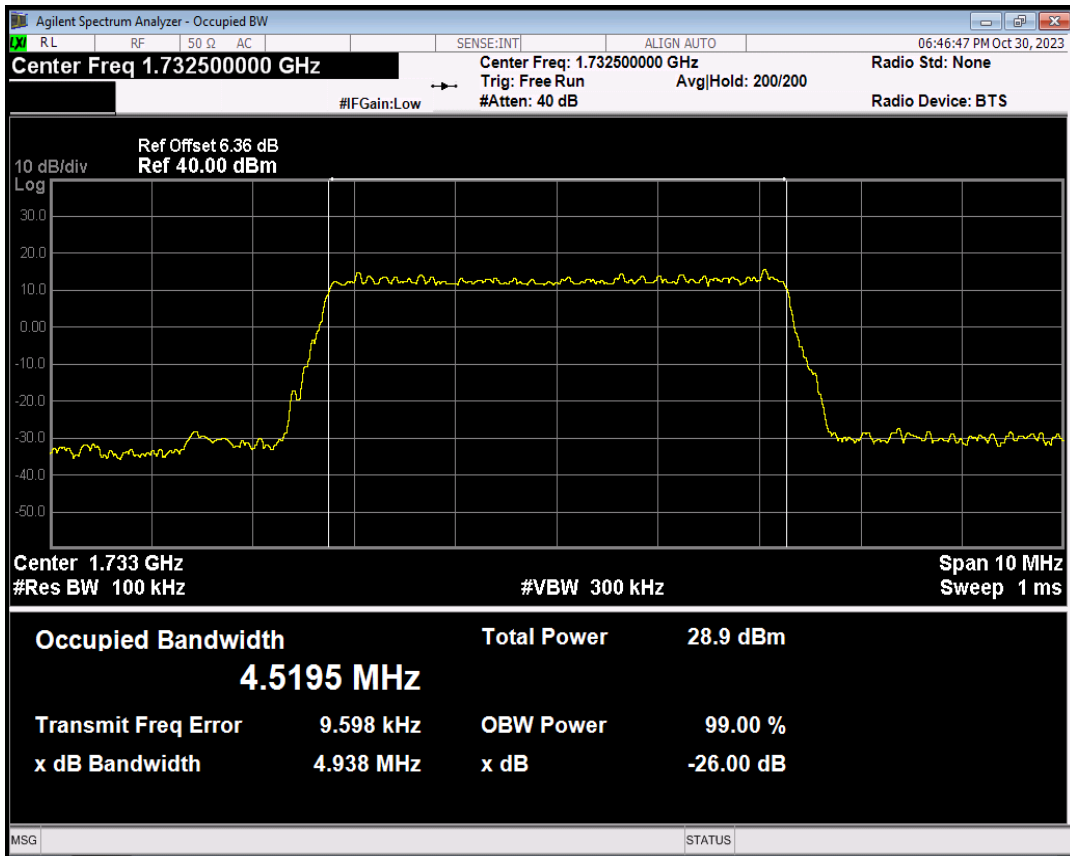
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



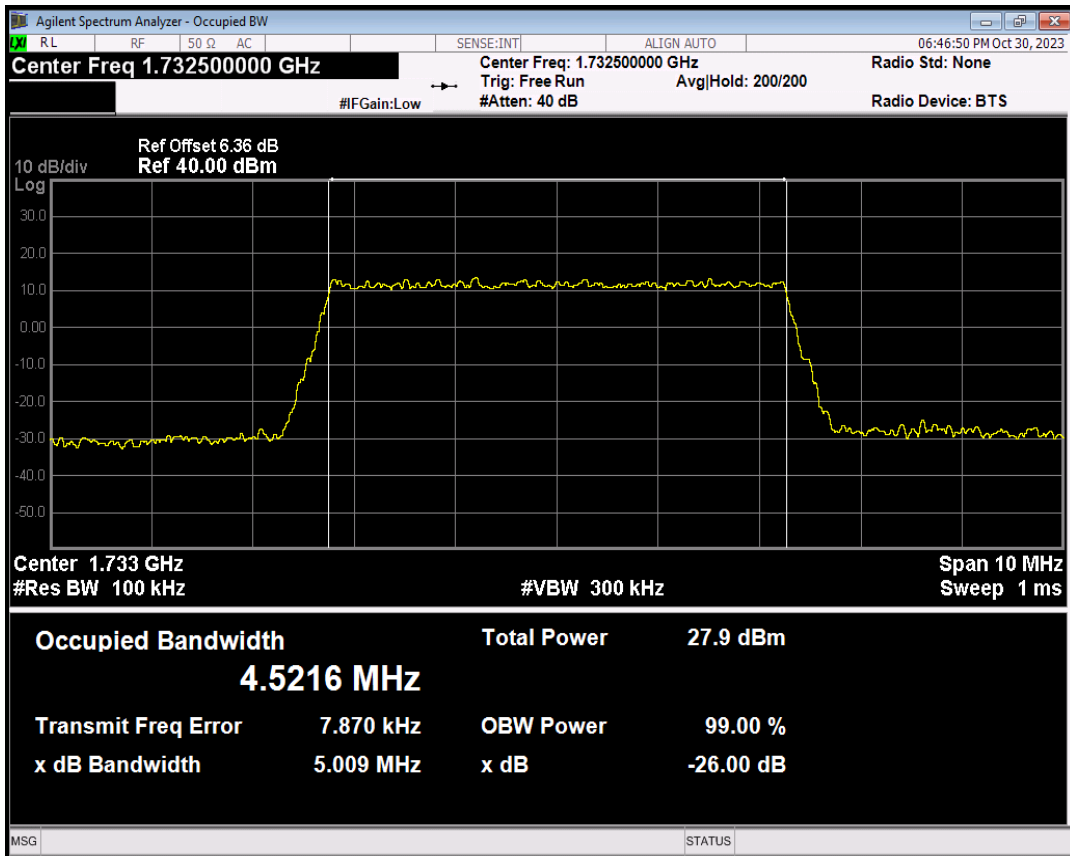
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



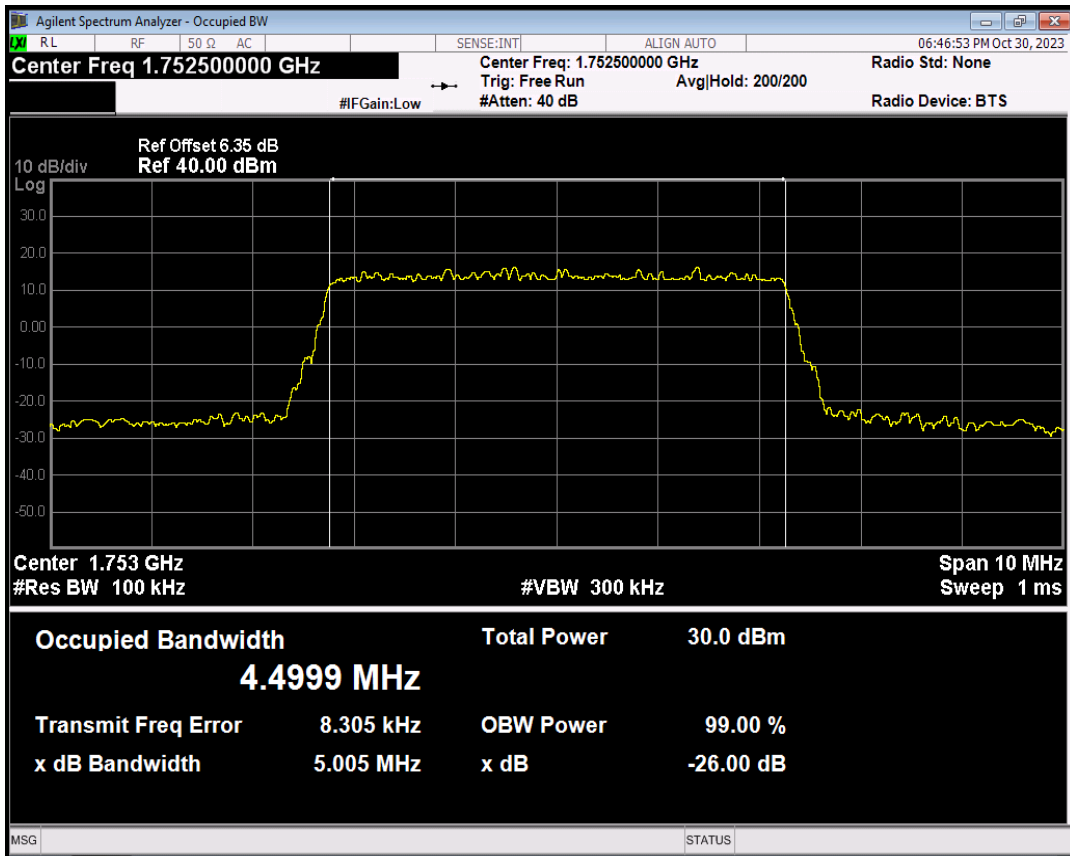
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



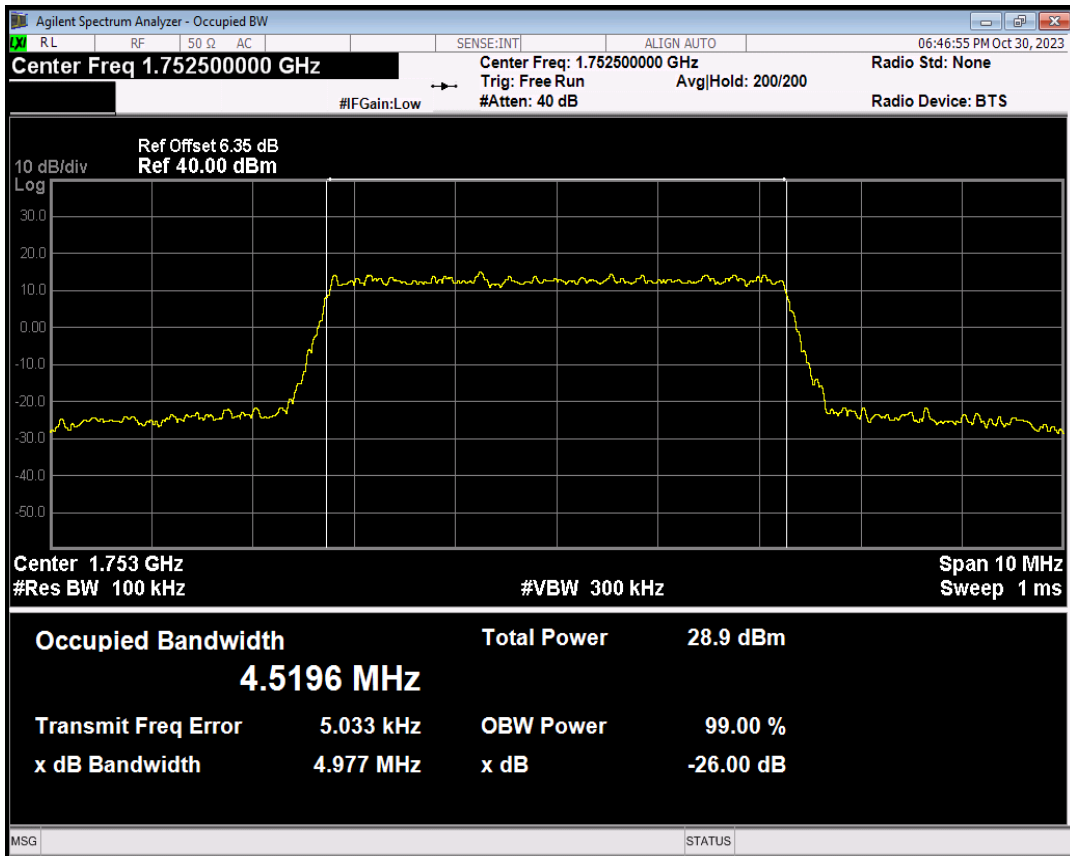
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



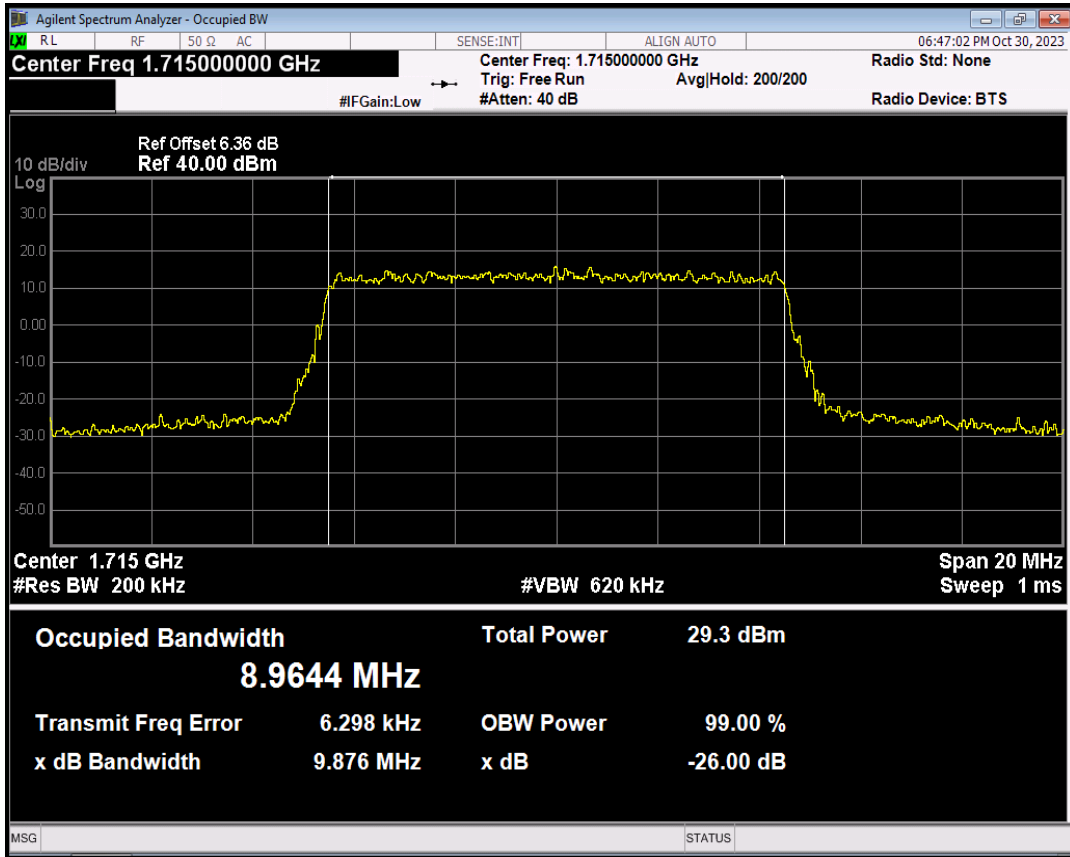
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



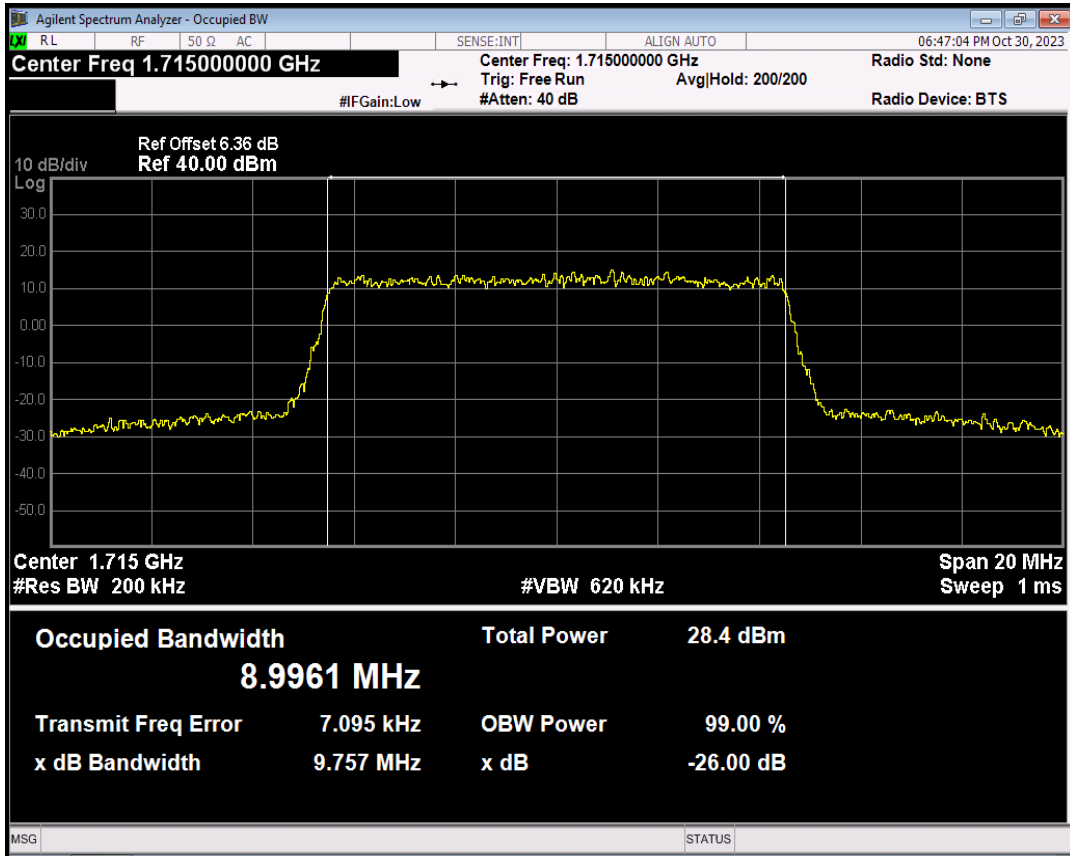
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



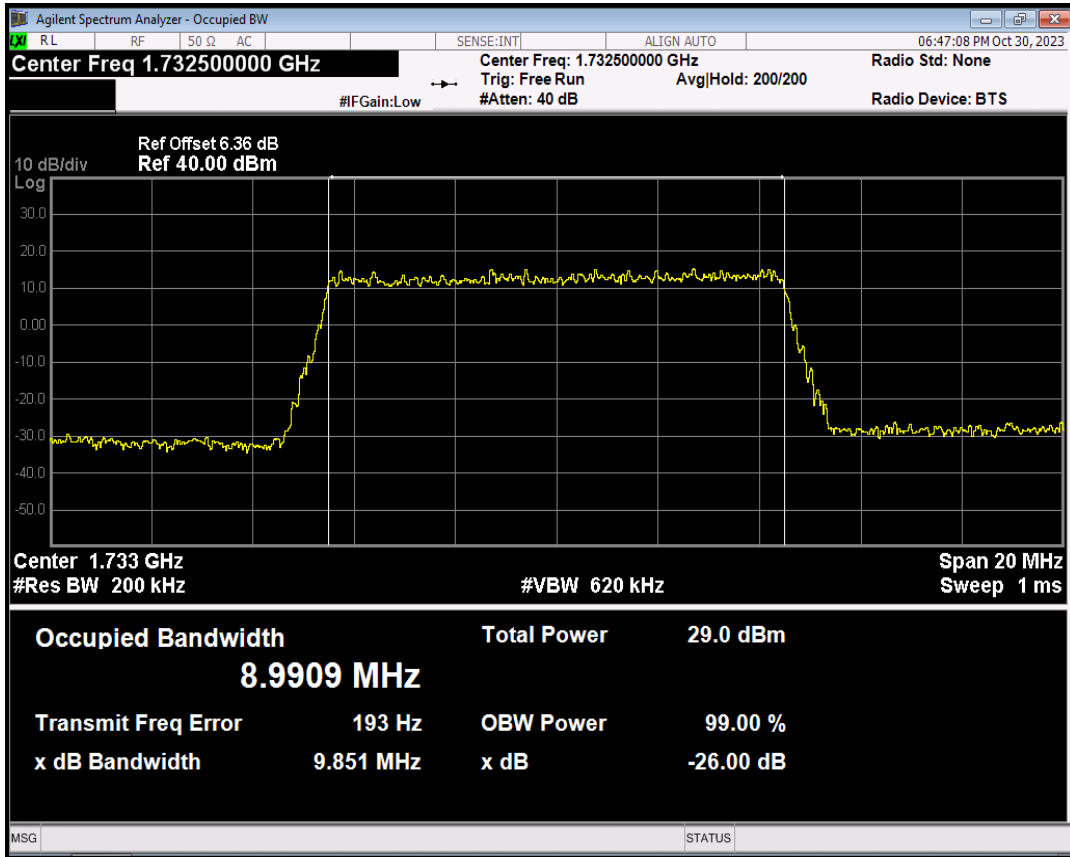
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



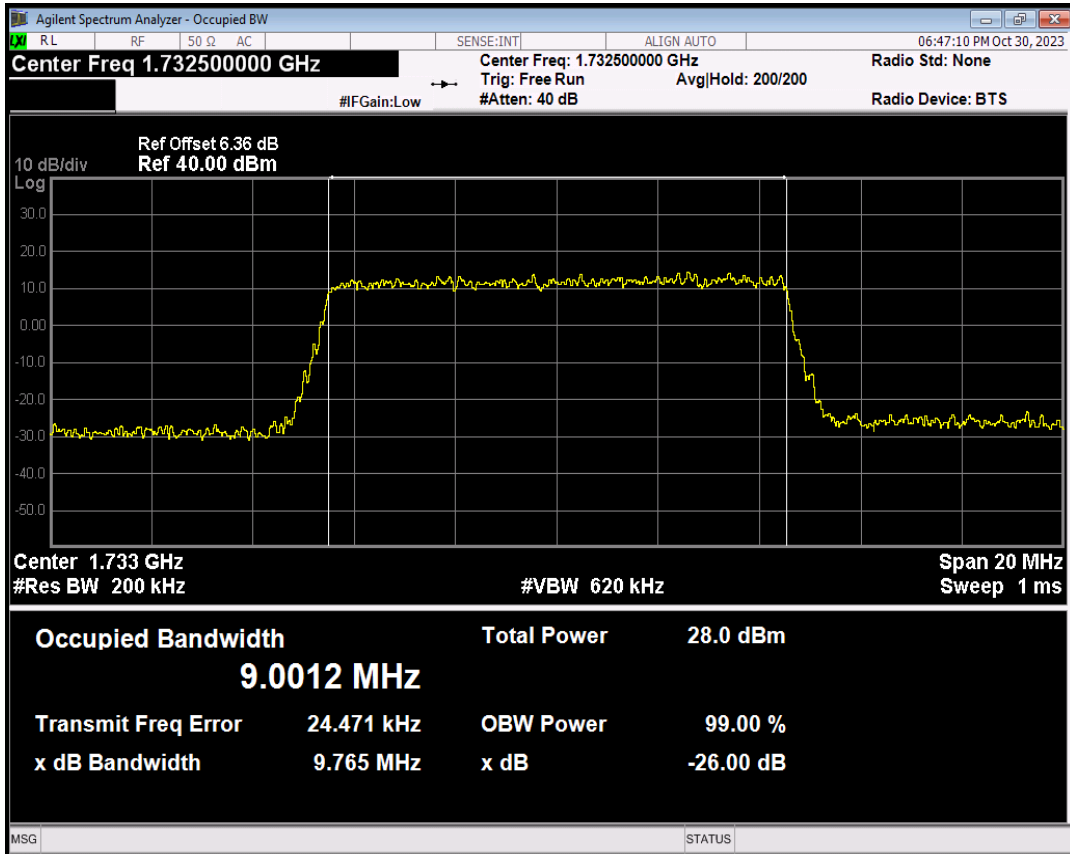
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



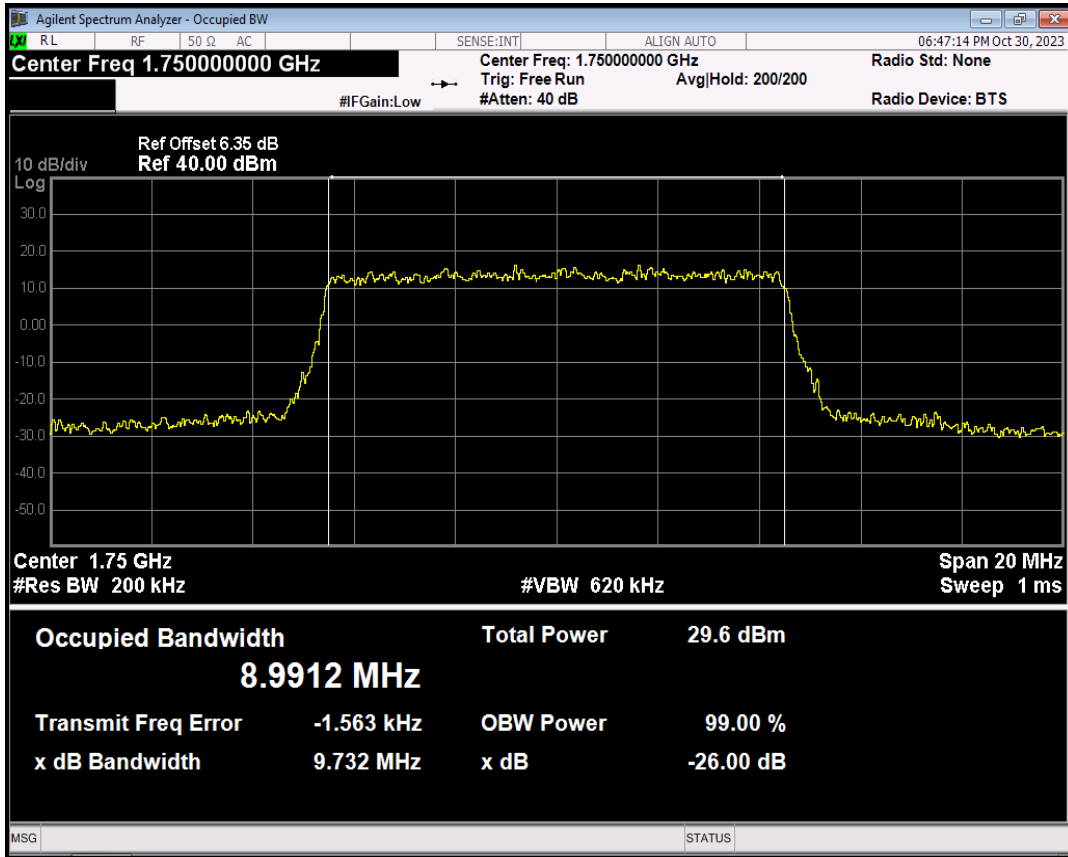
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



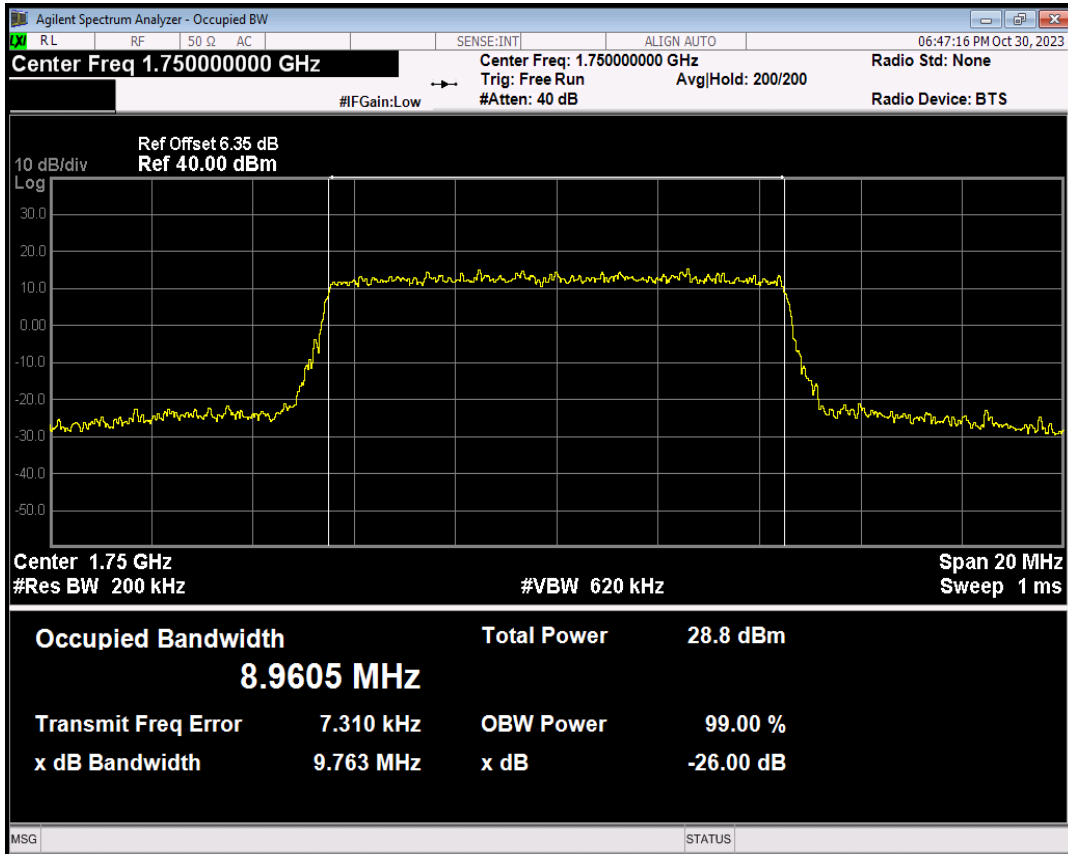
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



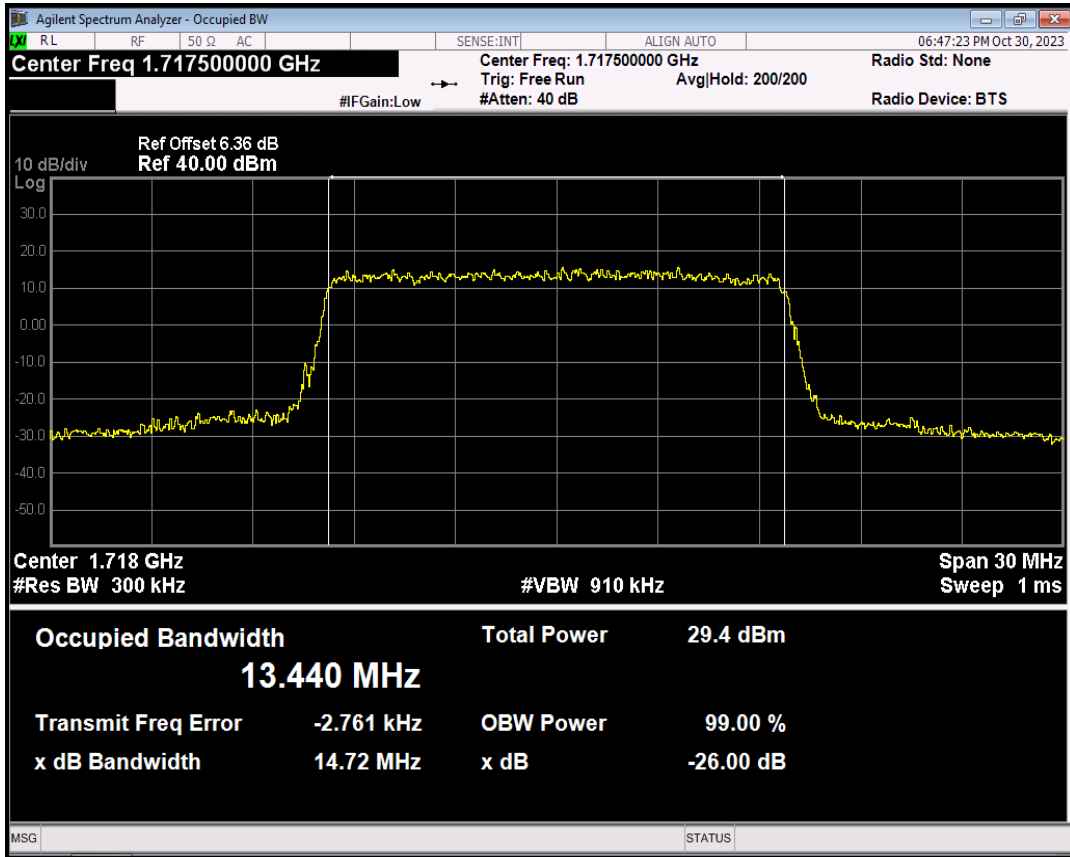
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



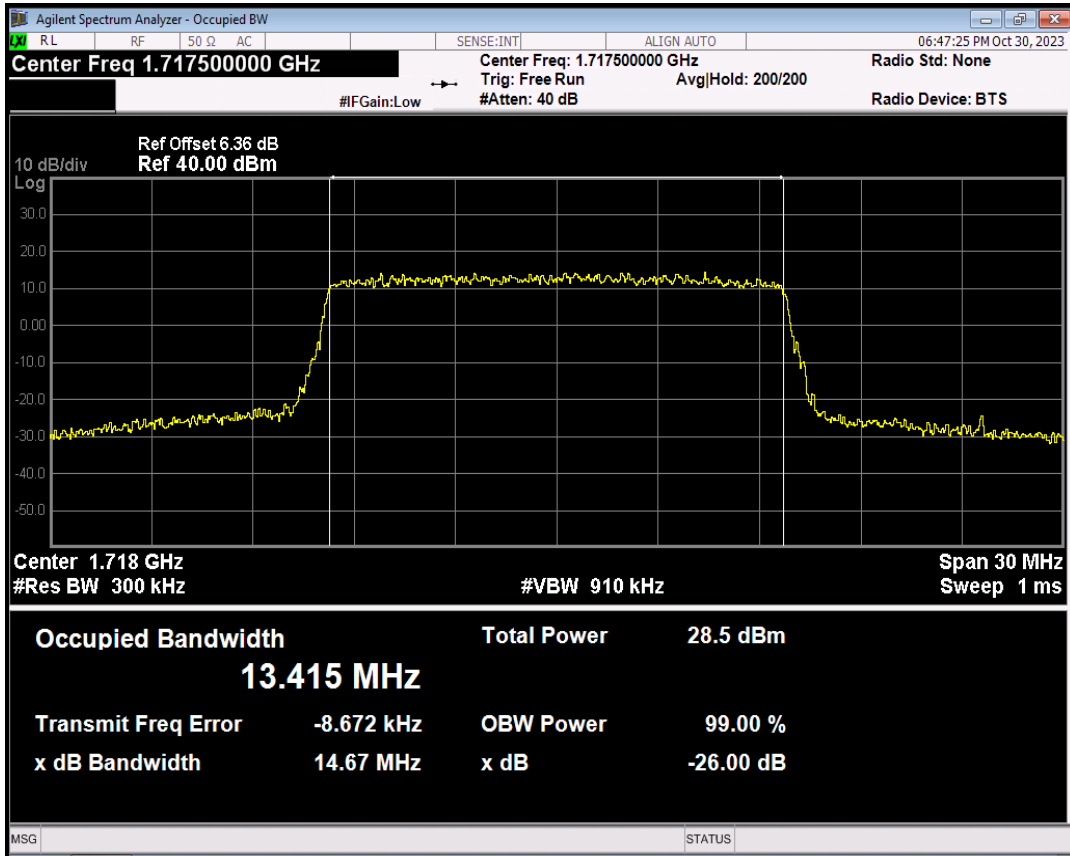
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



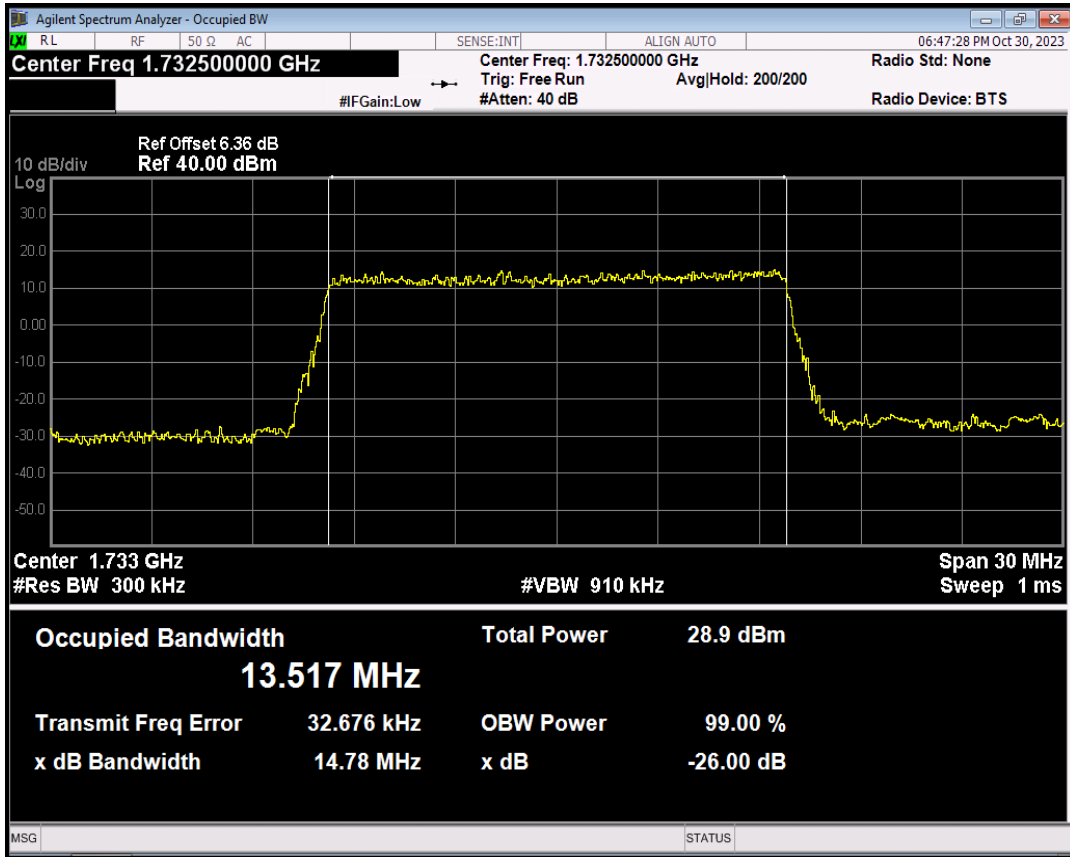
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



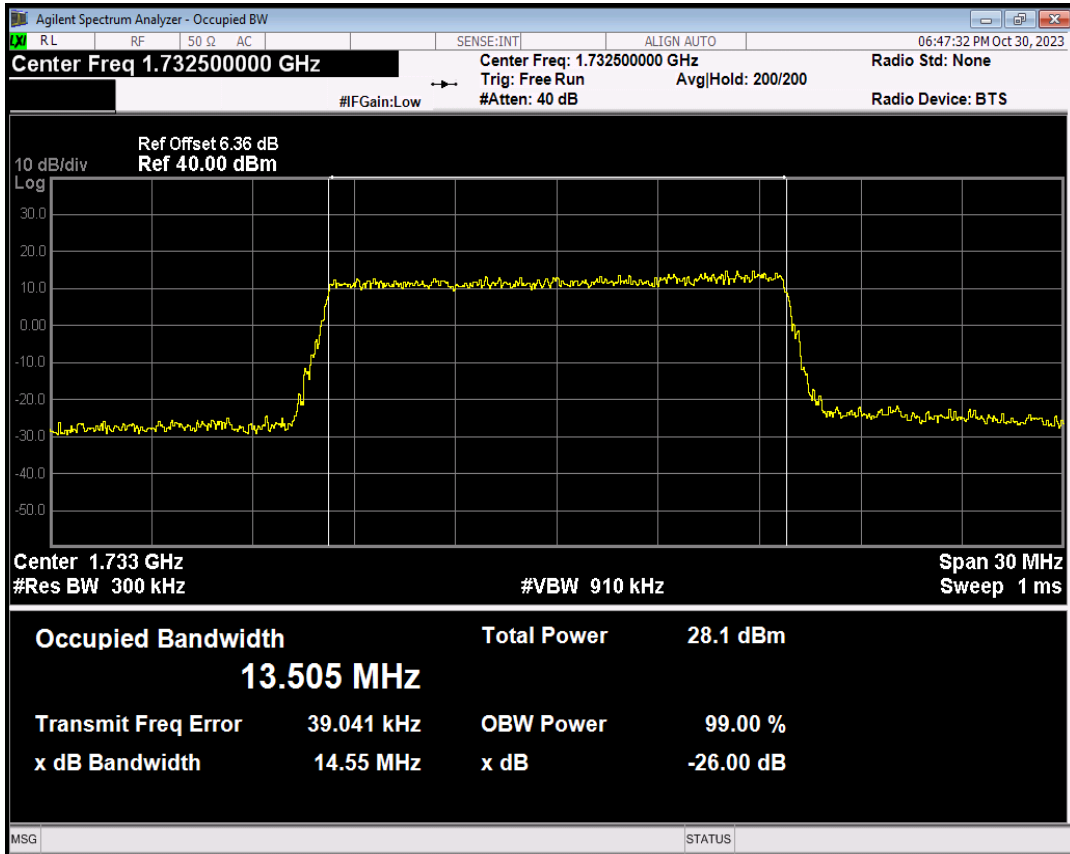
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



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

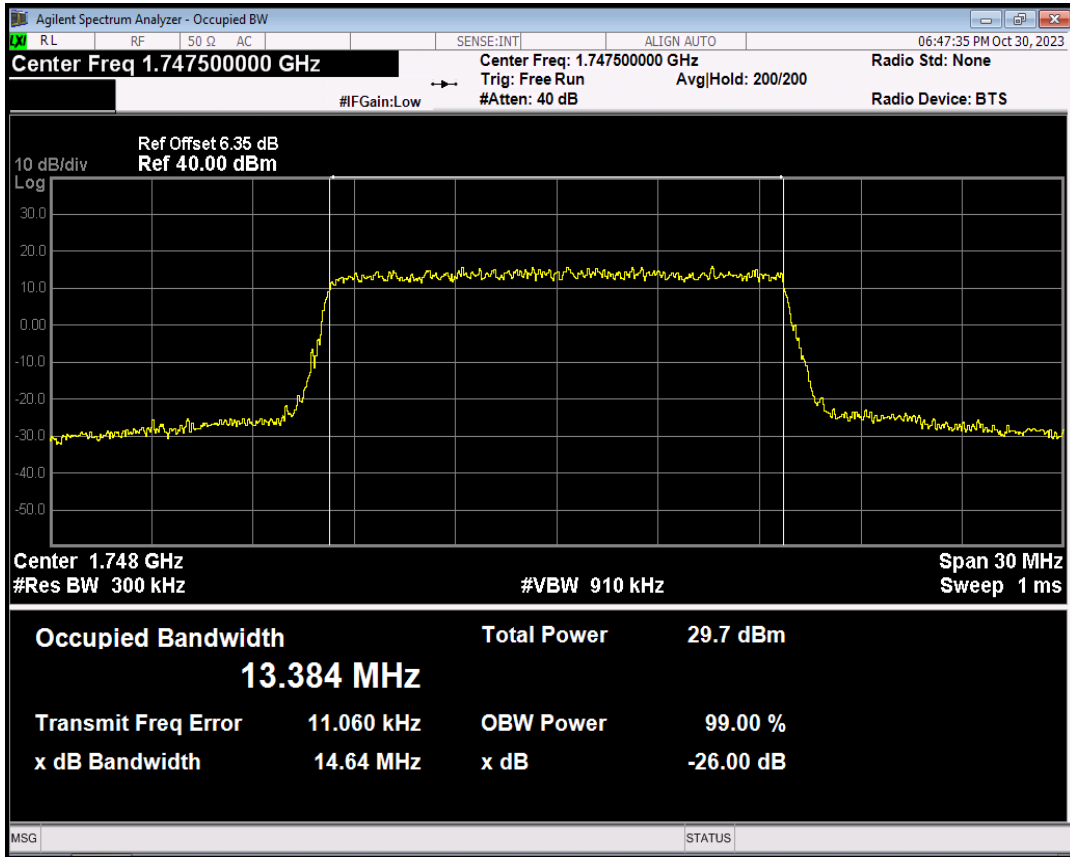


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0

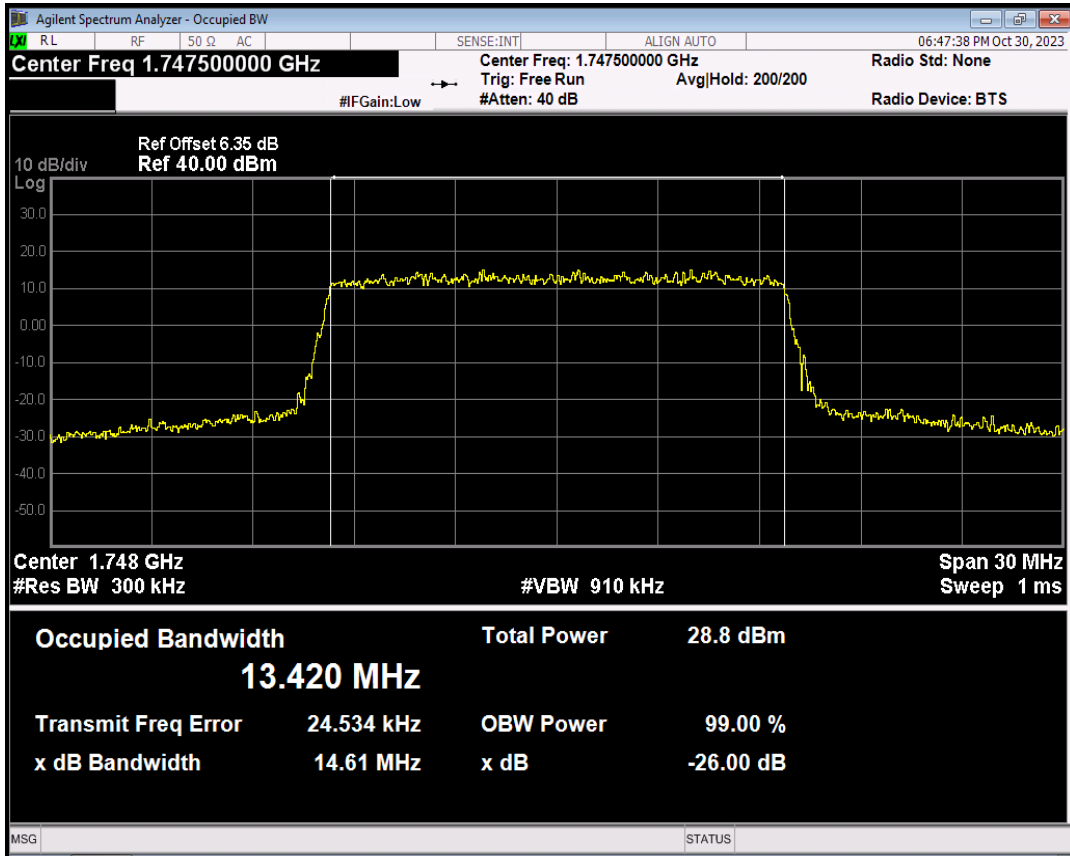




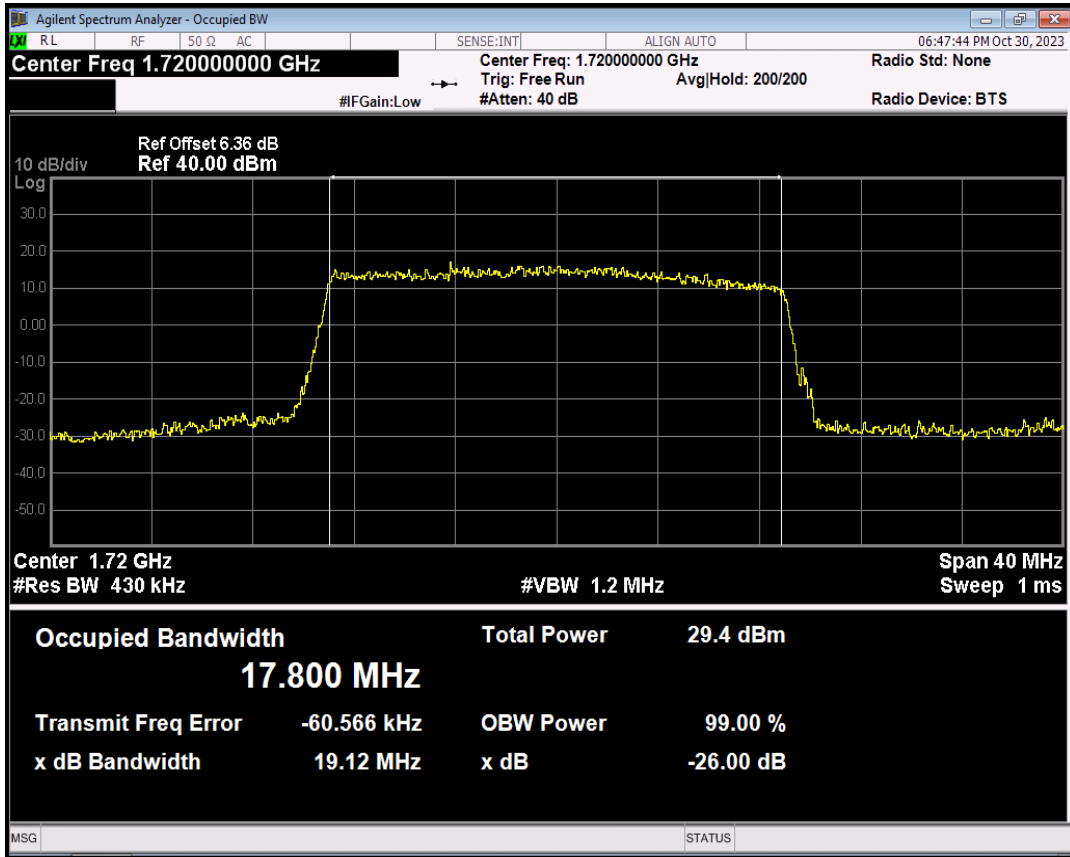
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



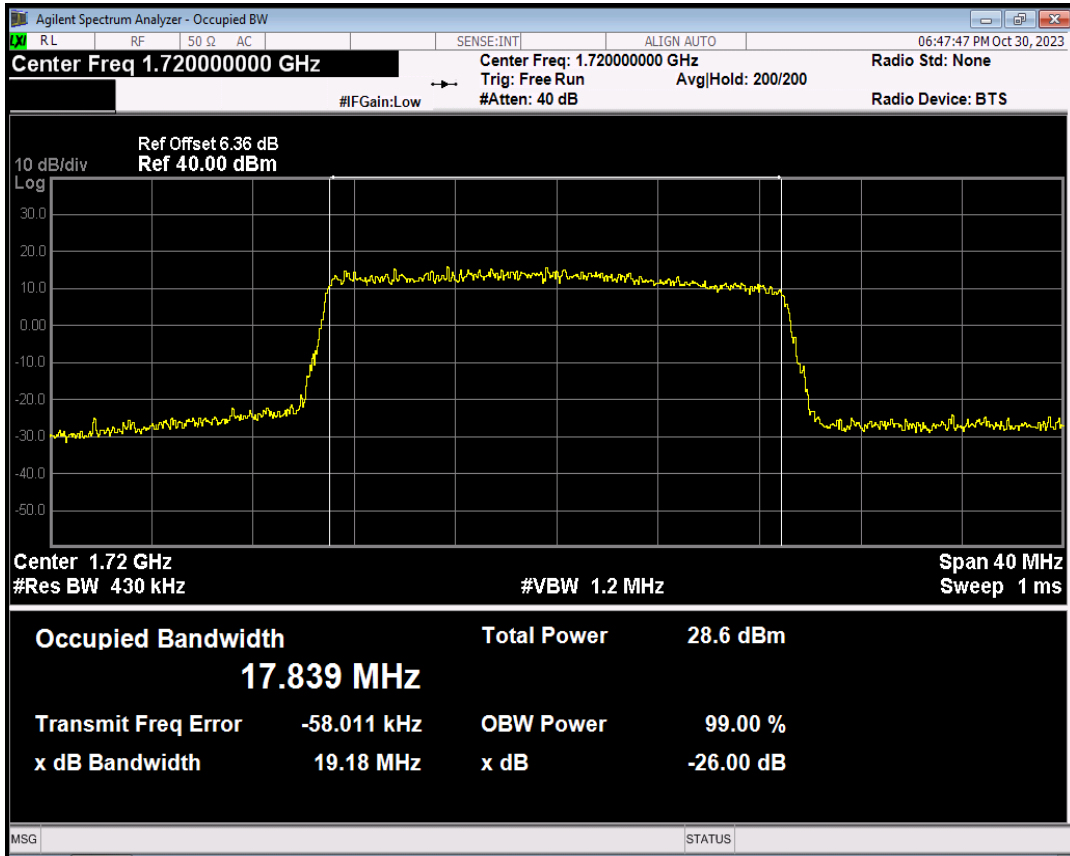
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



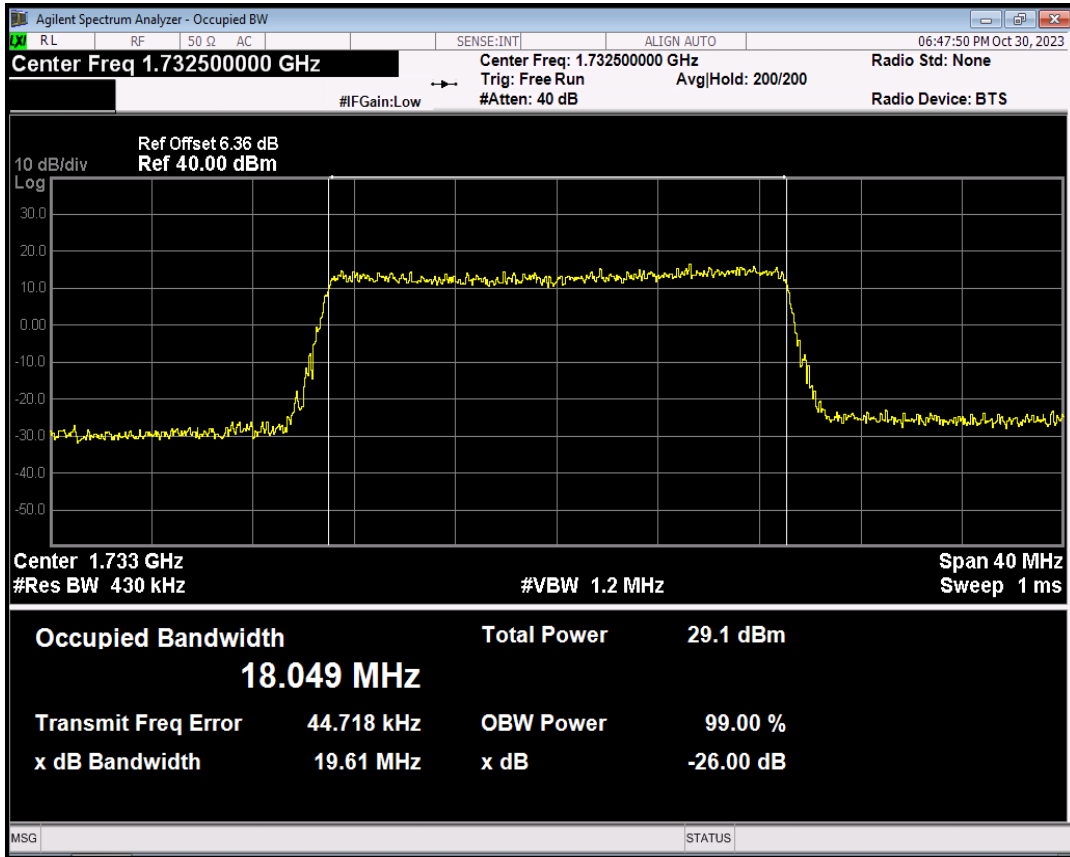
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



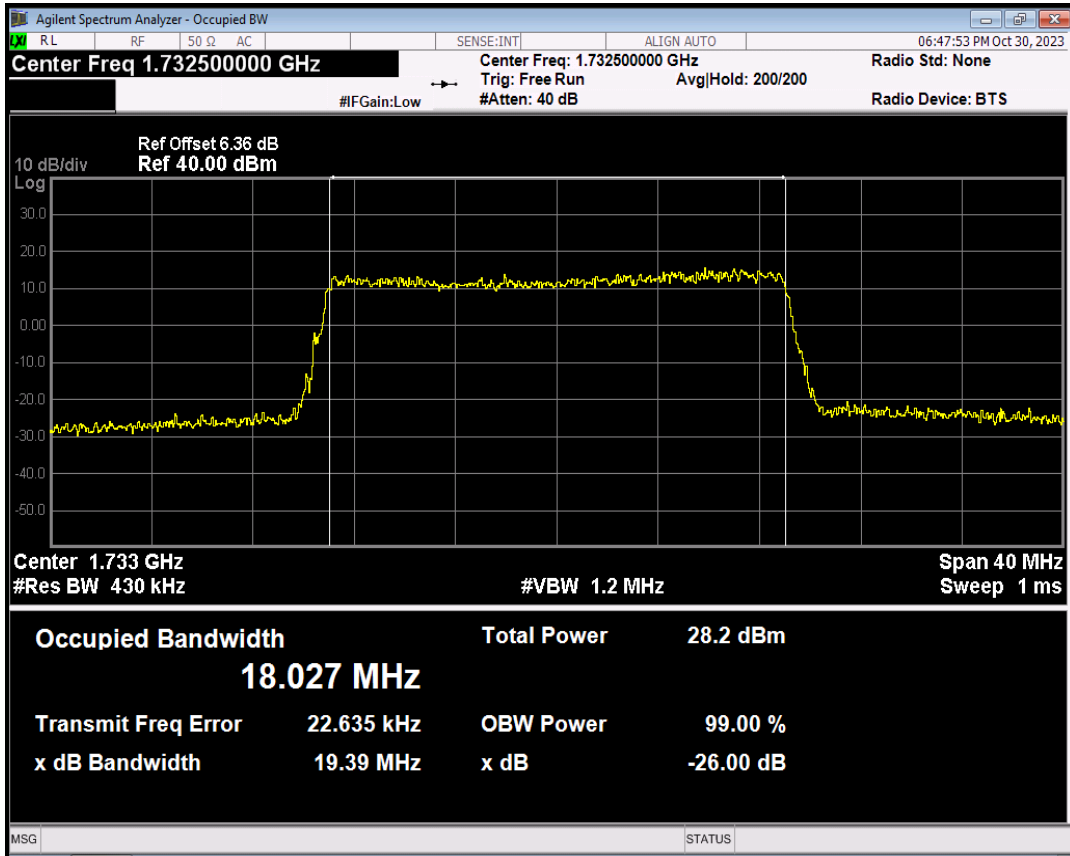
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



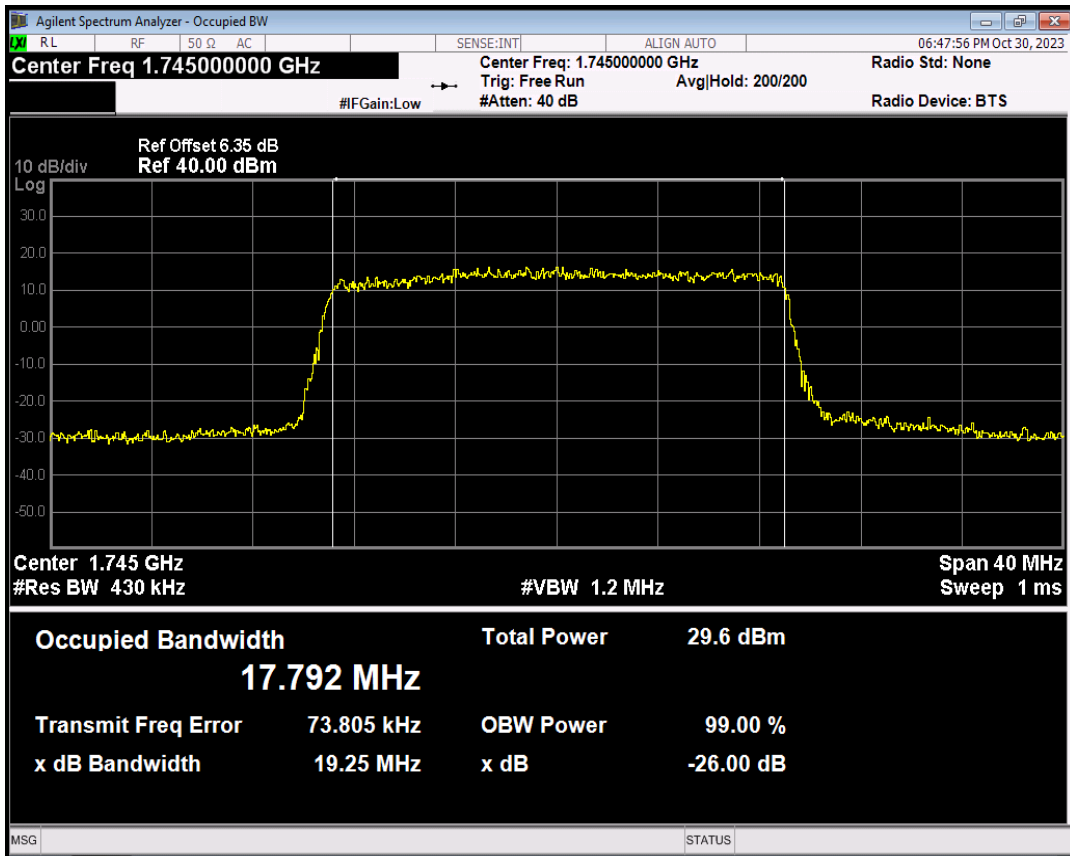
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



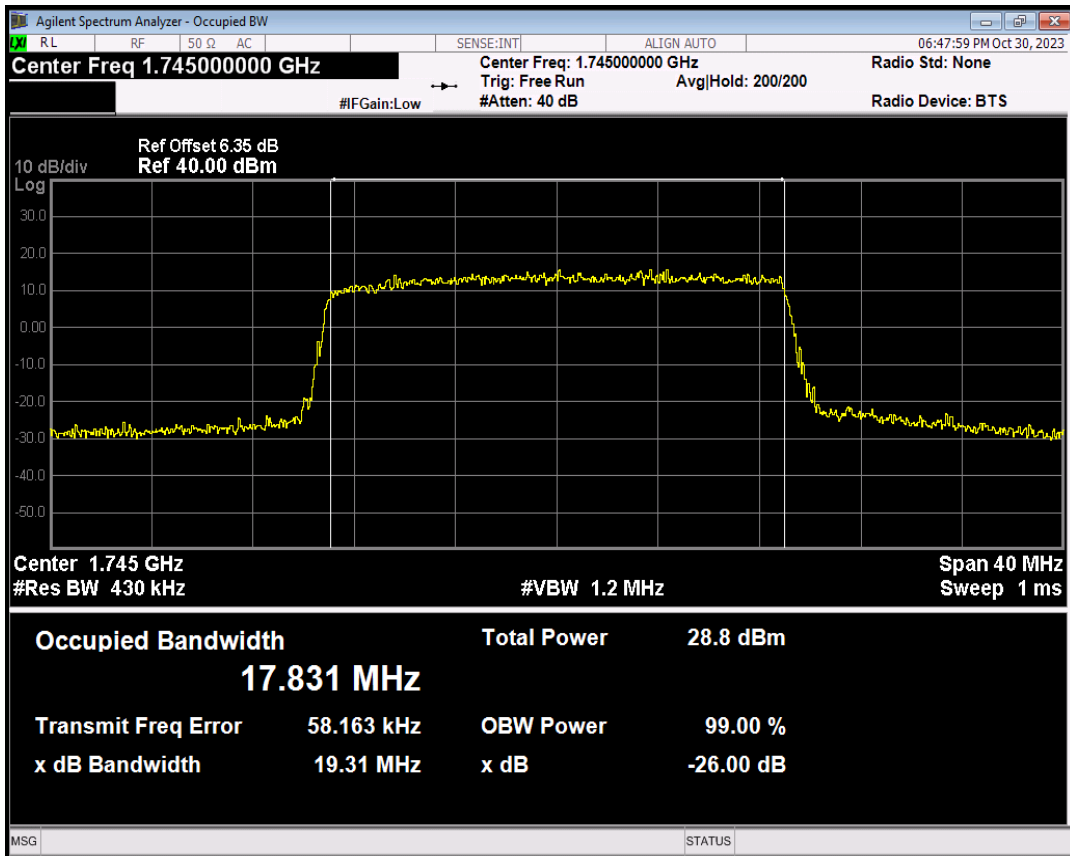
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



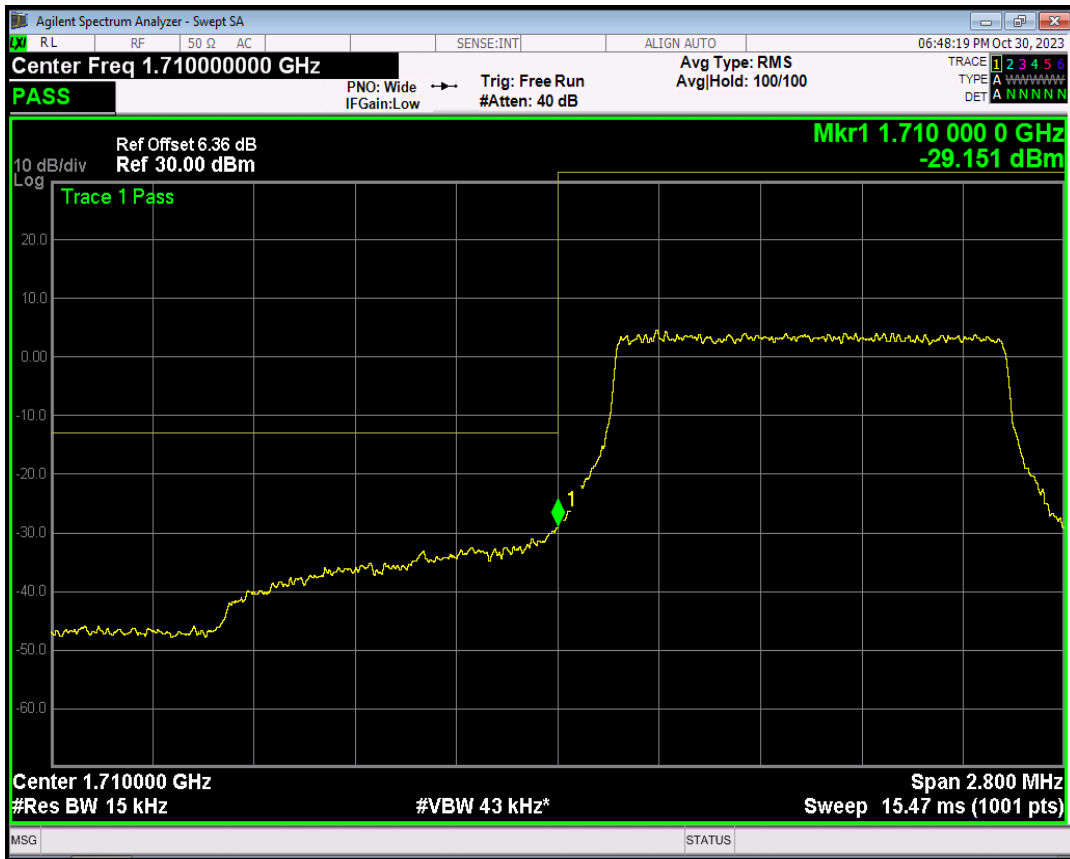
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



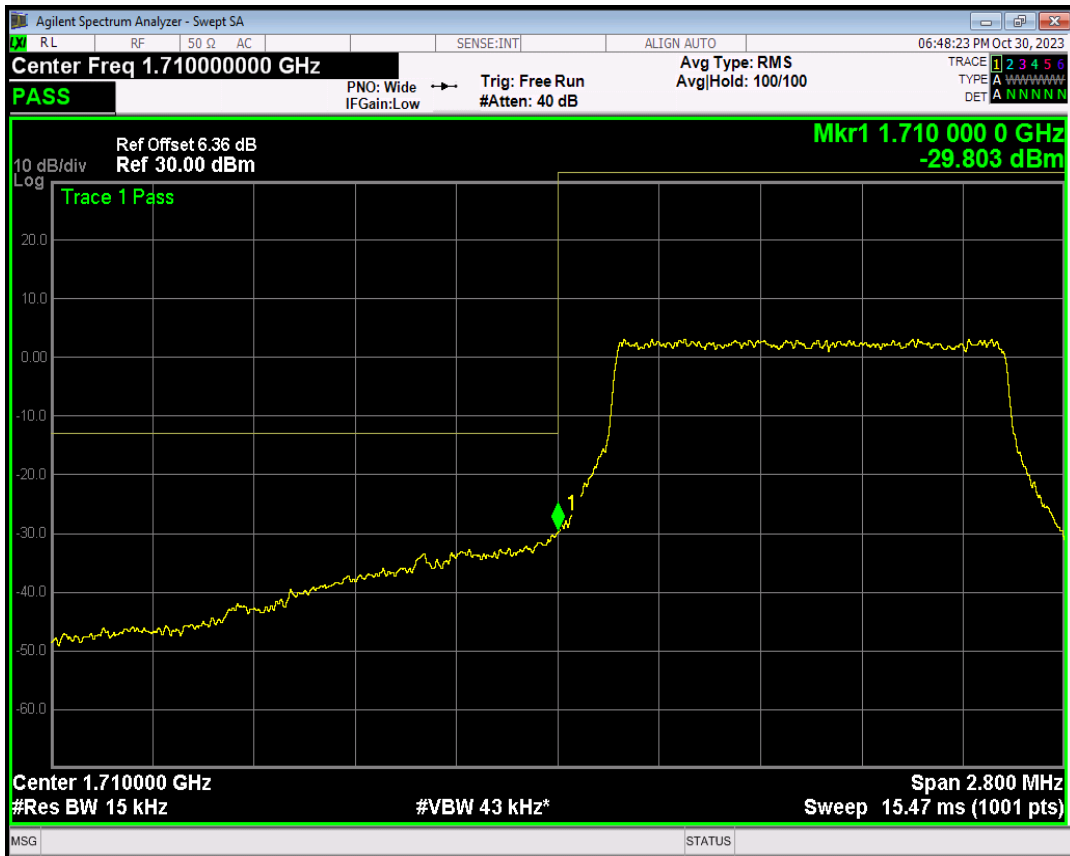
**Appendix 5. Band edge**

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	1710.00	-29.15	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-29.80	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-31.29	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.95	-62.76	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-27.95	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-27.81	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-28.12	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-29.61	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-27.61	-13	PASS
Band4	5	19975	25	#0	16QAM	1709.98	-29.92	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.01	-28.93	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-29.31	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-32.20	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-31.65	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.04	-31.96	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.04	-31.11	-13	PASS
Band4	15	20025	75	#0	QPSK	1710.00	-31.78	-13	PASS
Band4	15	20025	75	#0	16QAM	1710.00	-33.43	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-32.16	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.03	-32.08	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-35.50	-13	PASS
Band4	20	20050	100	#0	16QAM	1710.00	-33.99	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.08	-33.88	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.04	-32.59	-13	PASS

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



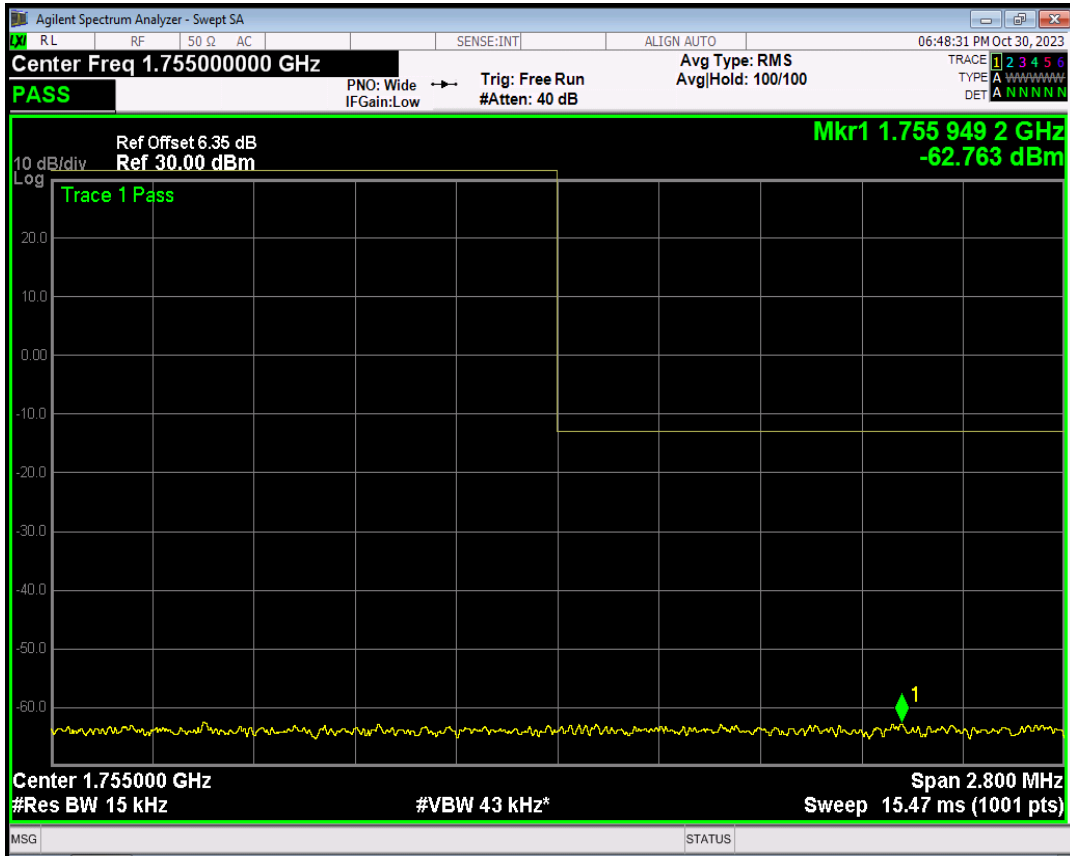
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



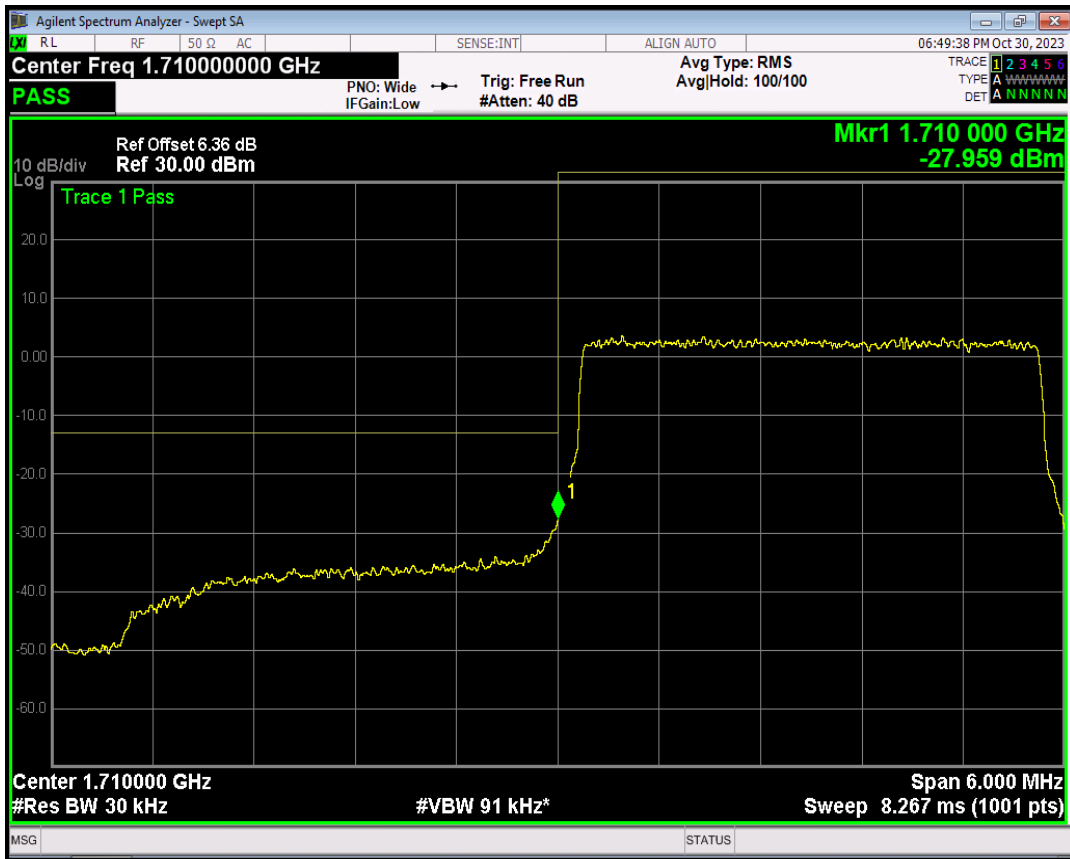
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



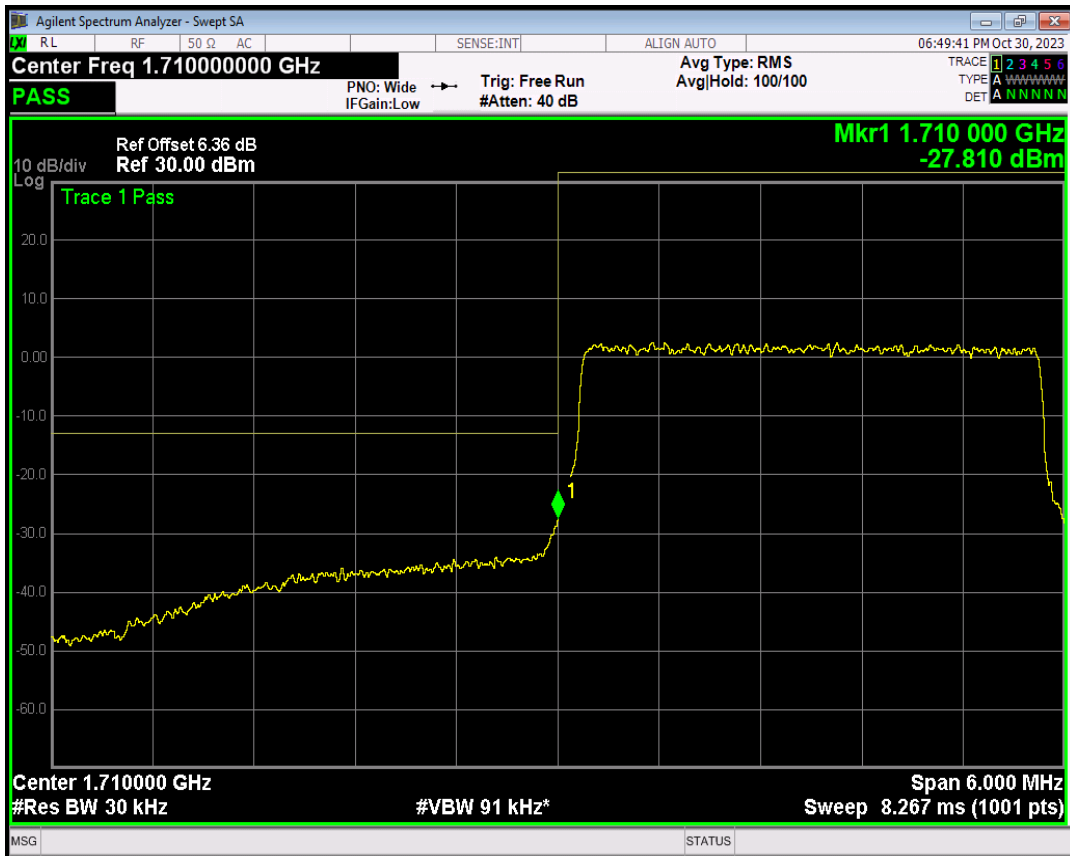
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



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

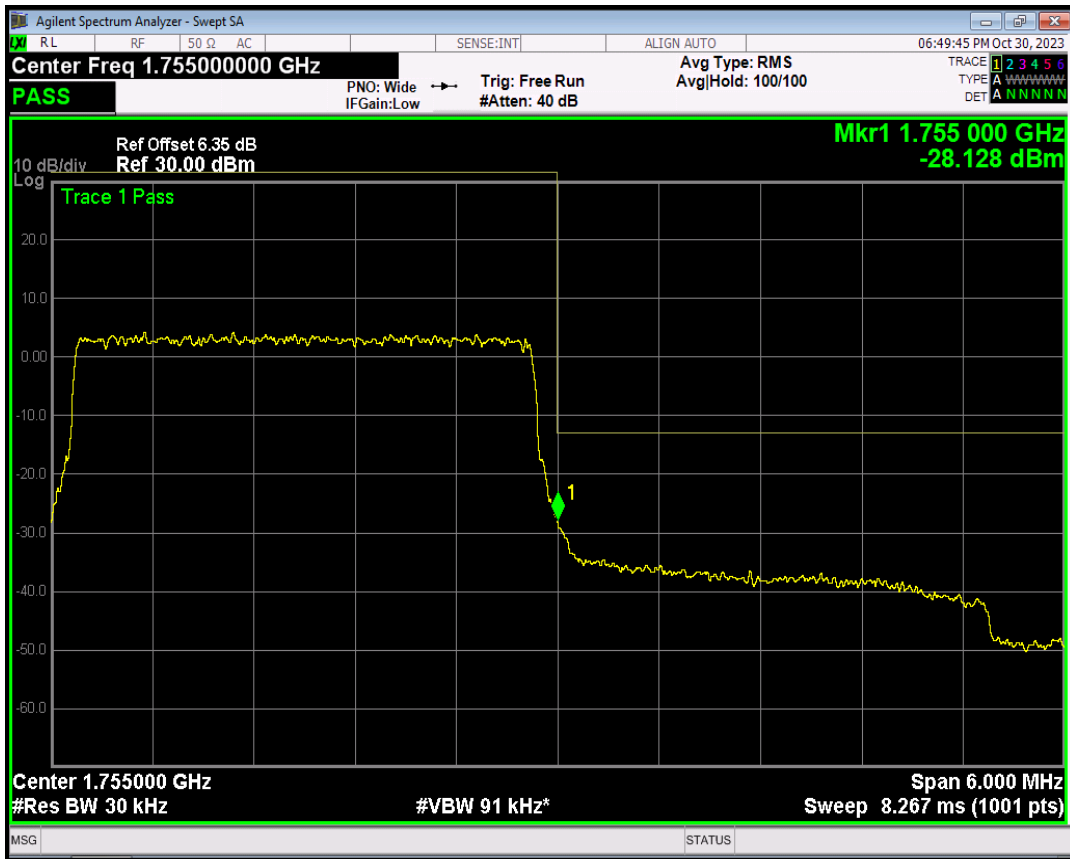


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

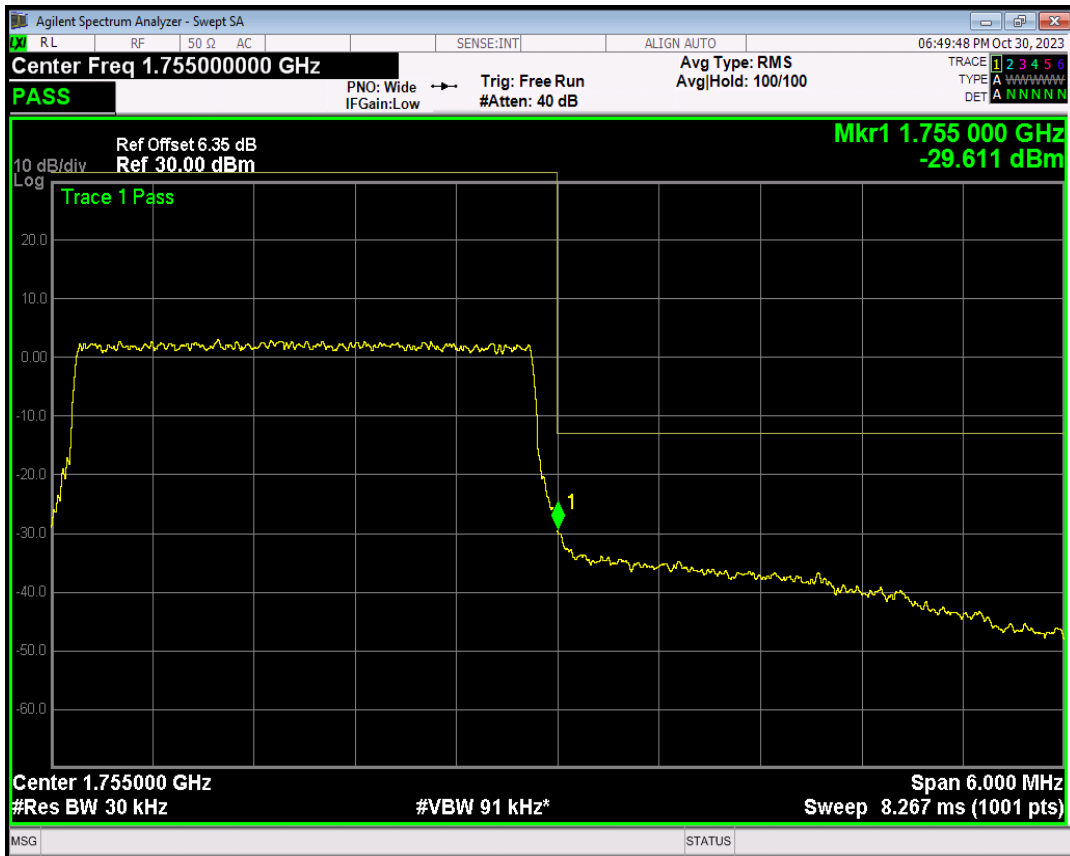




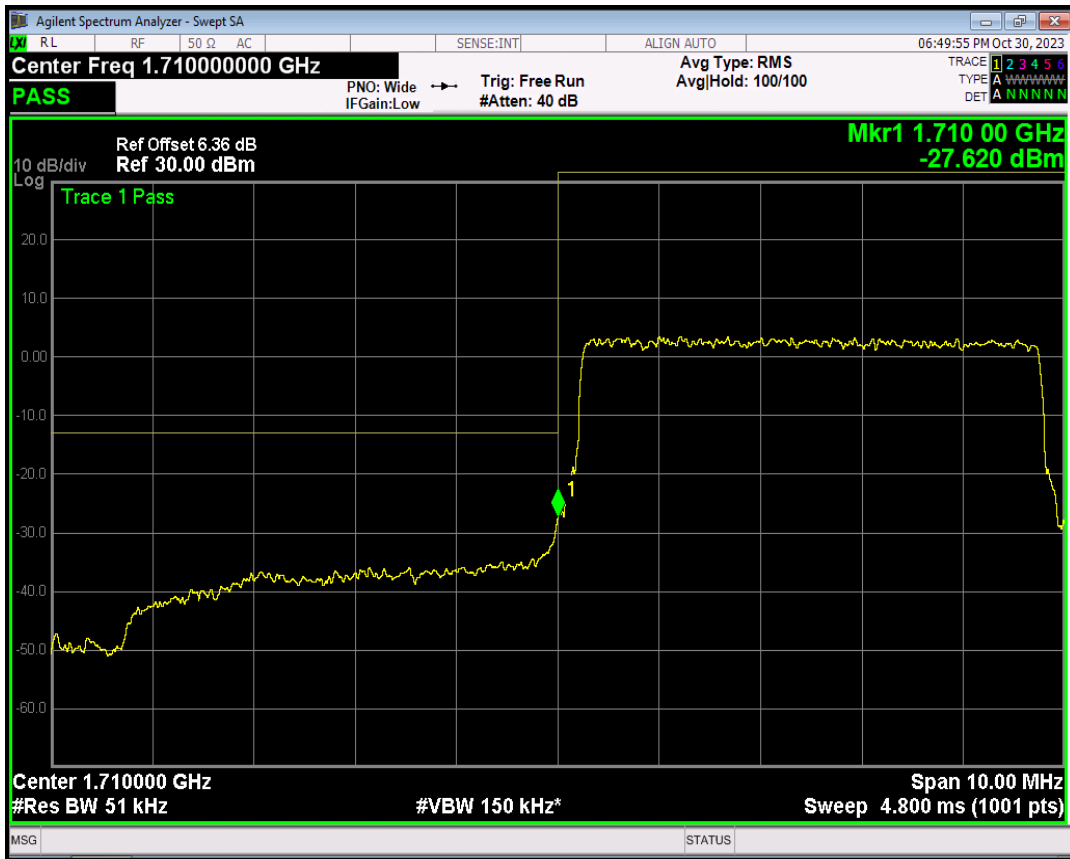
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



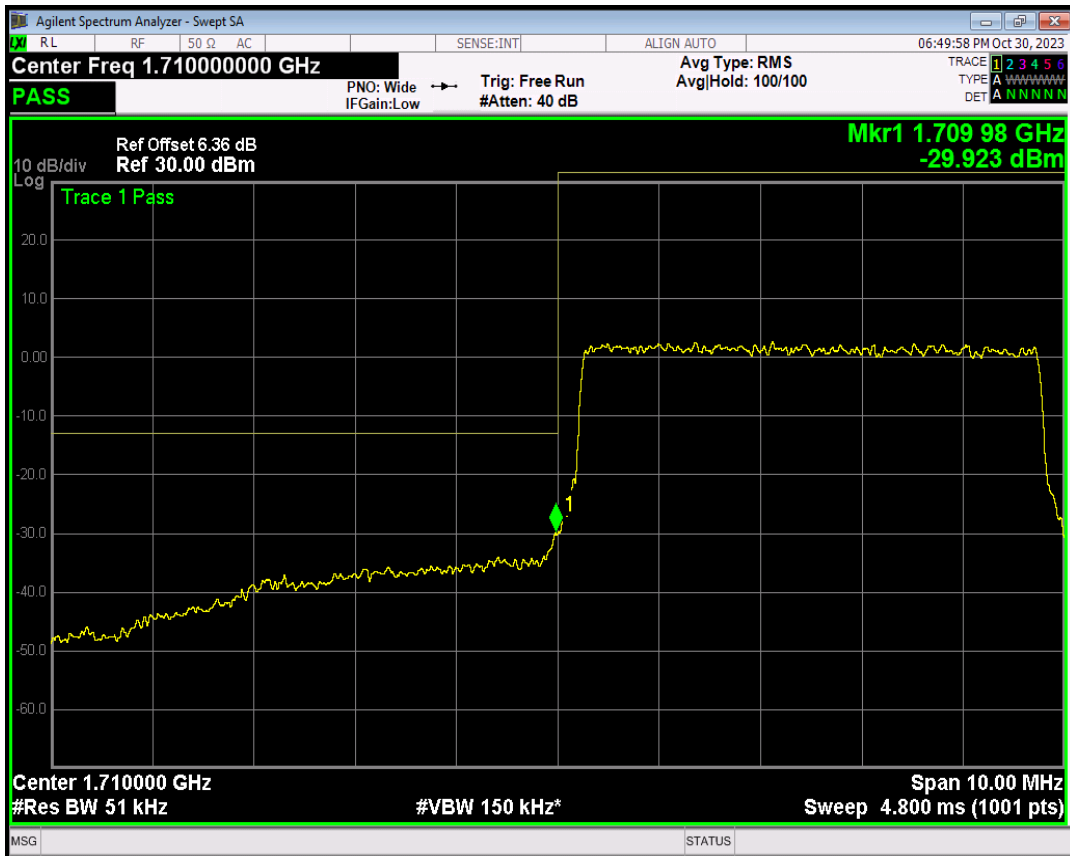
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



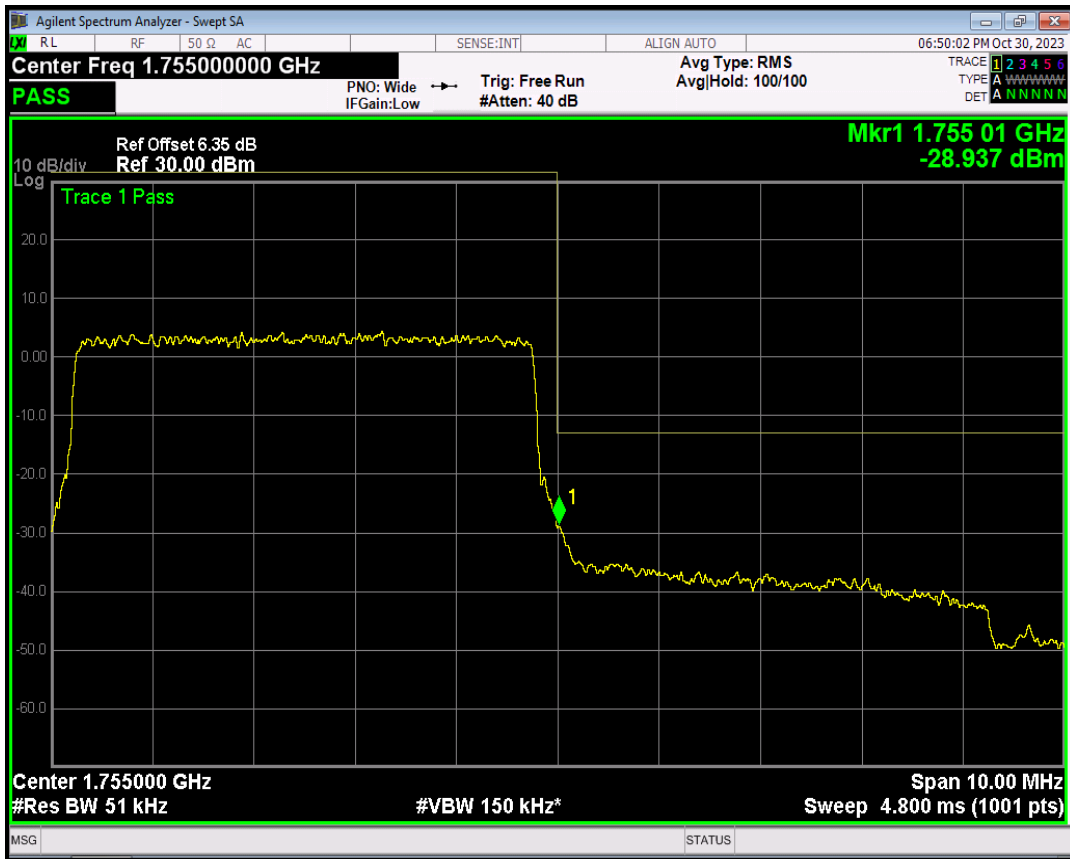
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



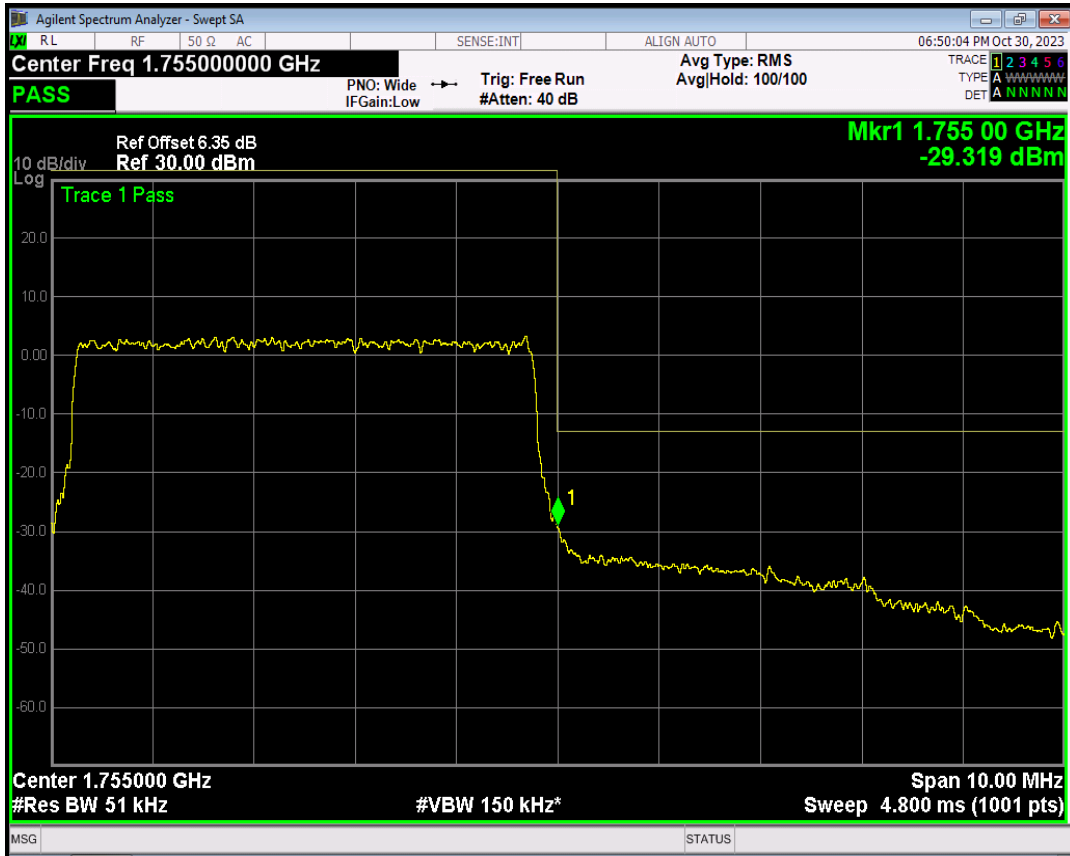
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



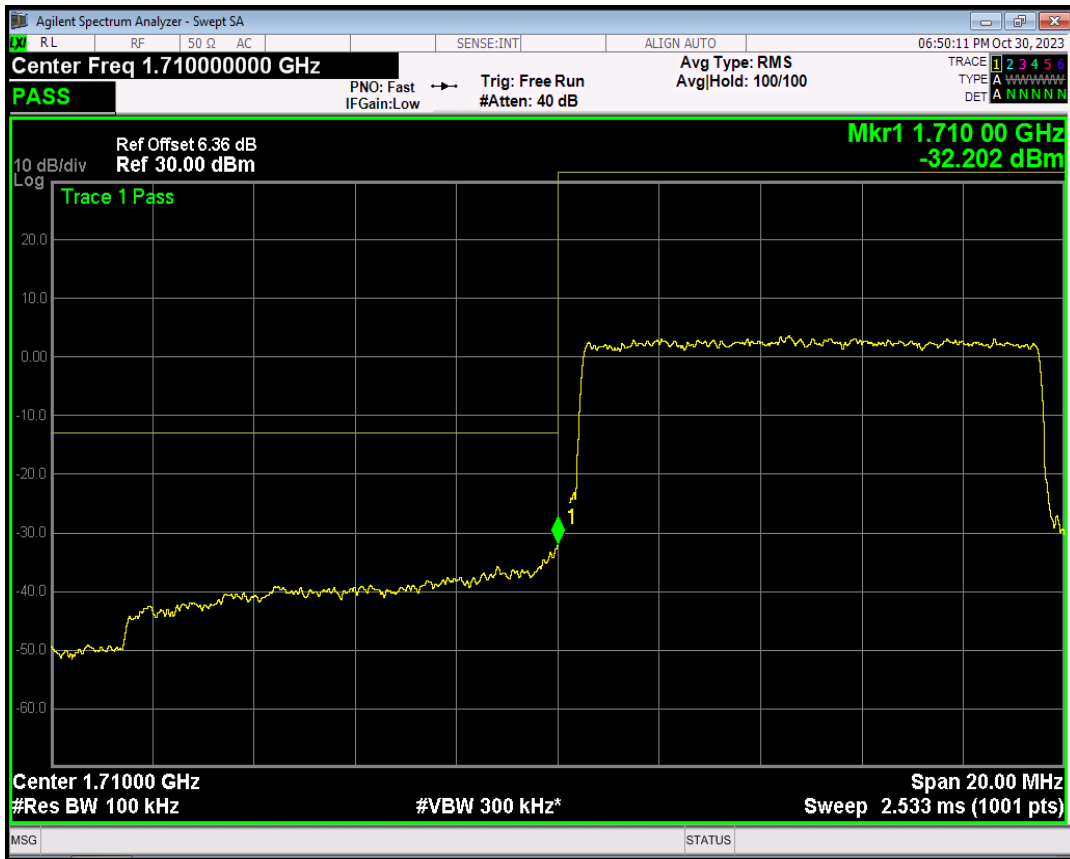
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



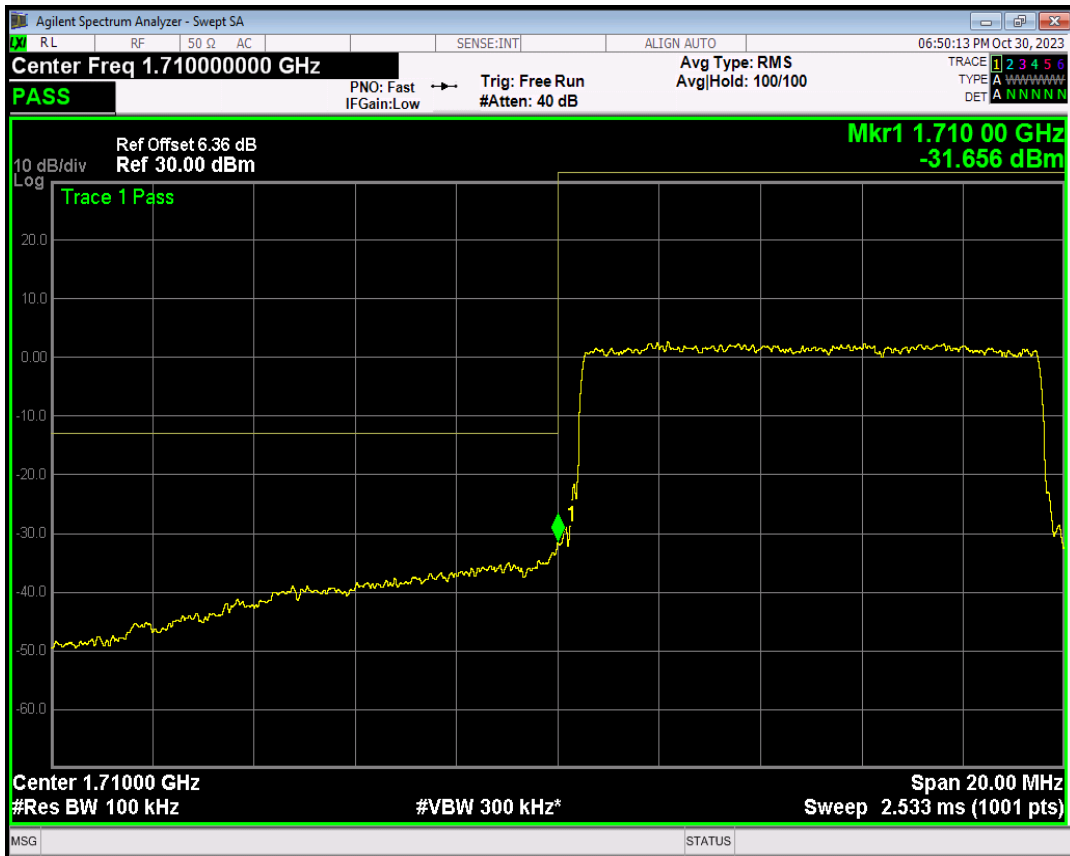
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



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



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



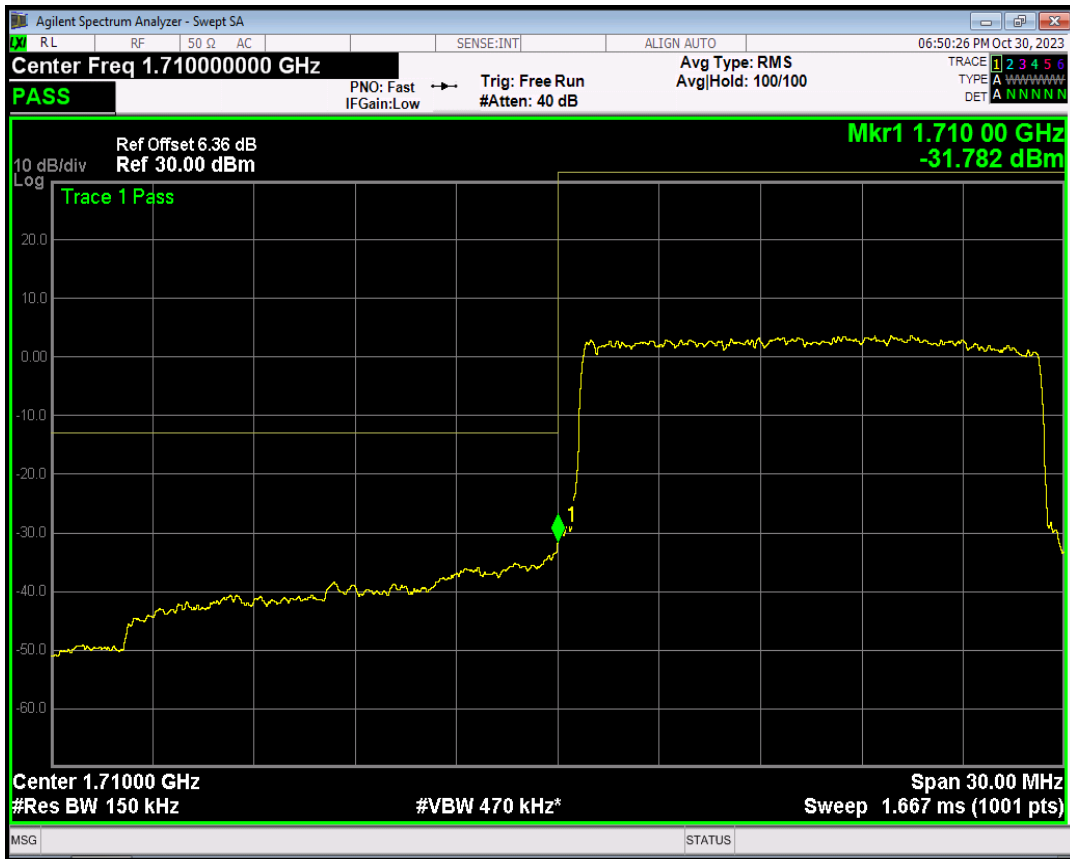
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



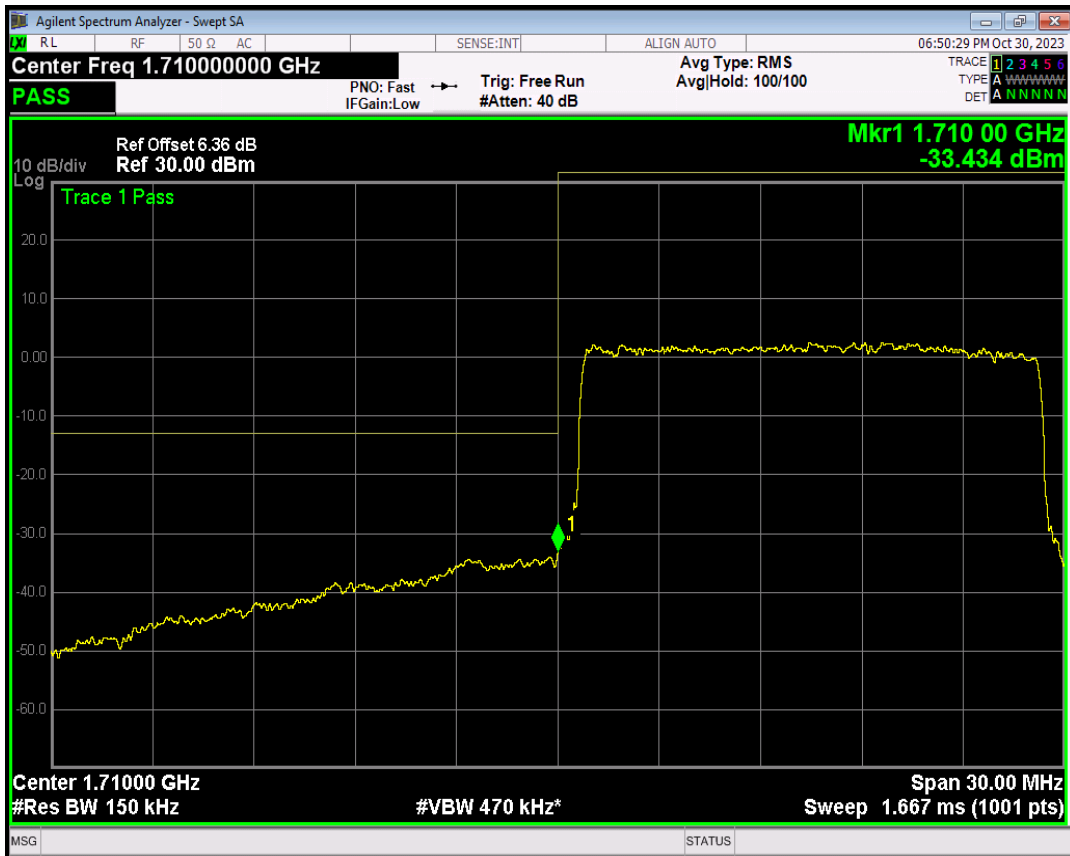
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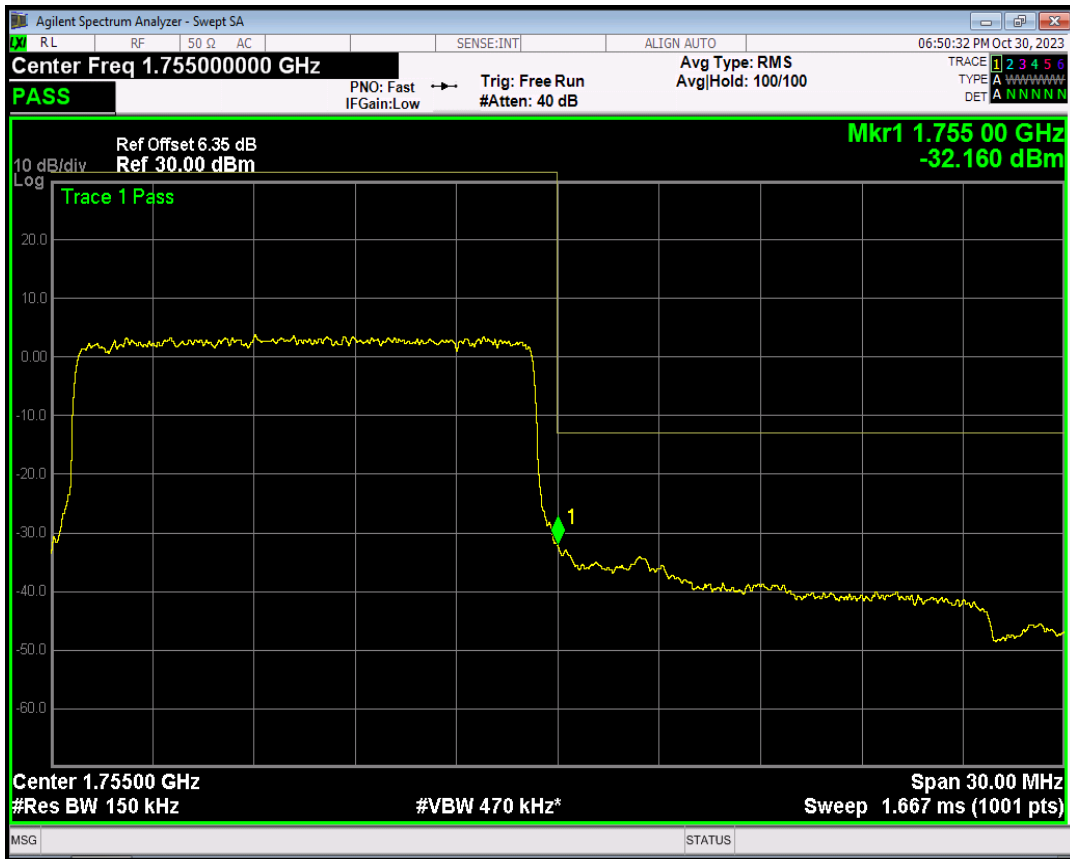
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



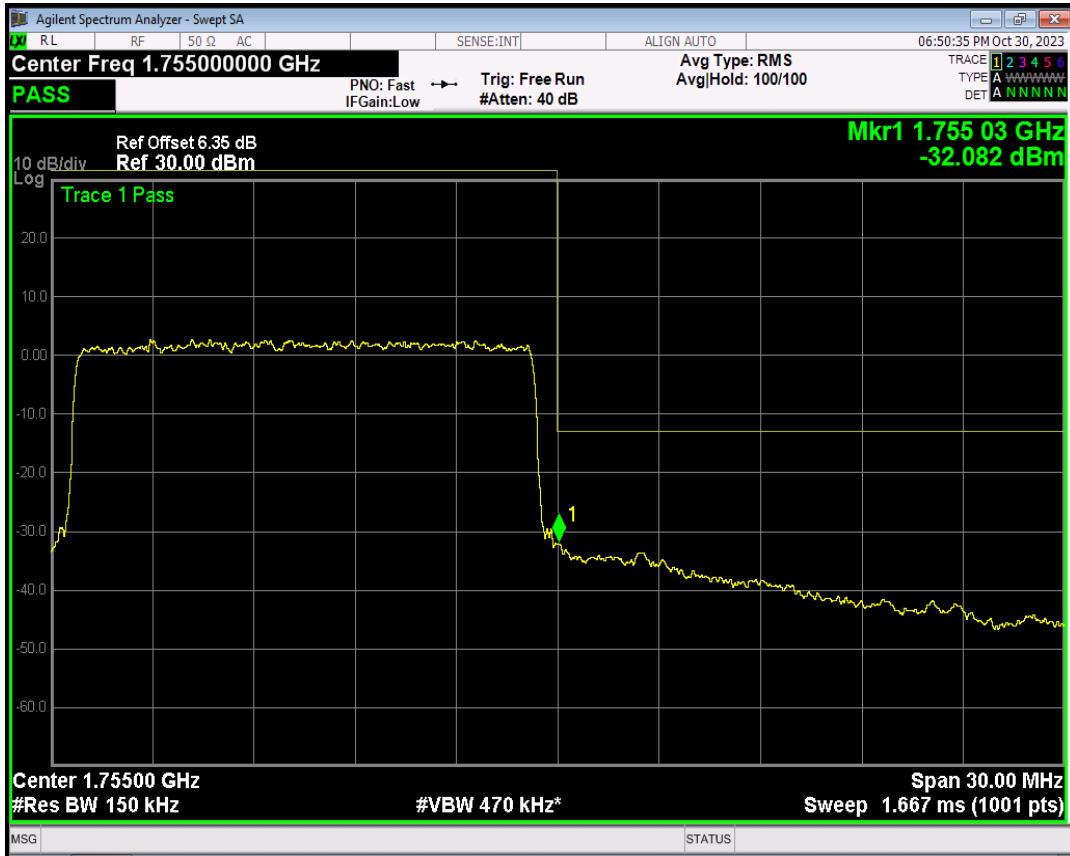
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



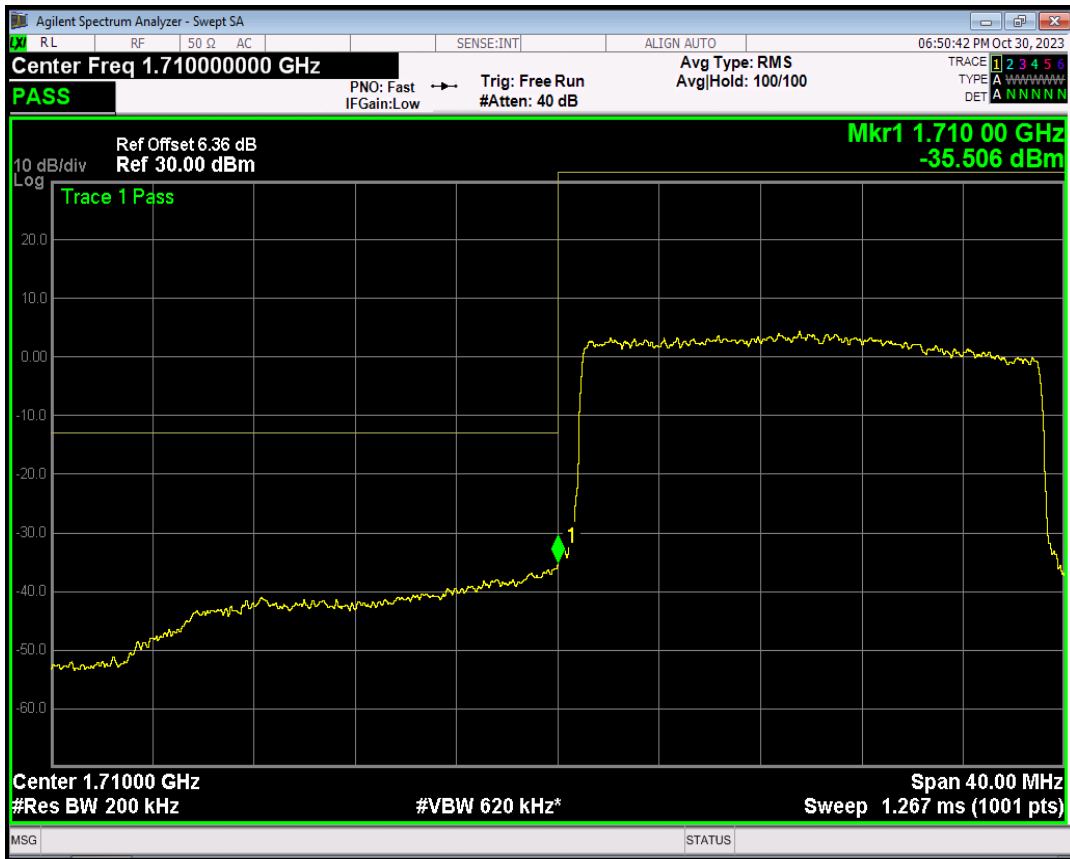
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



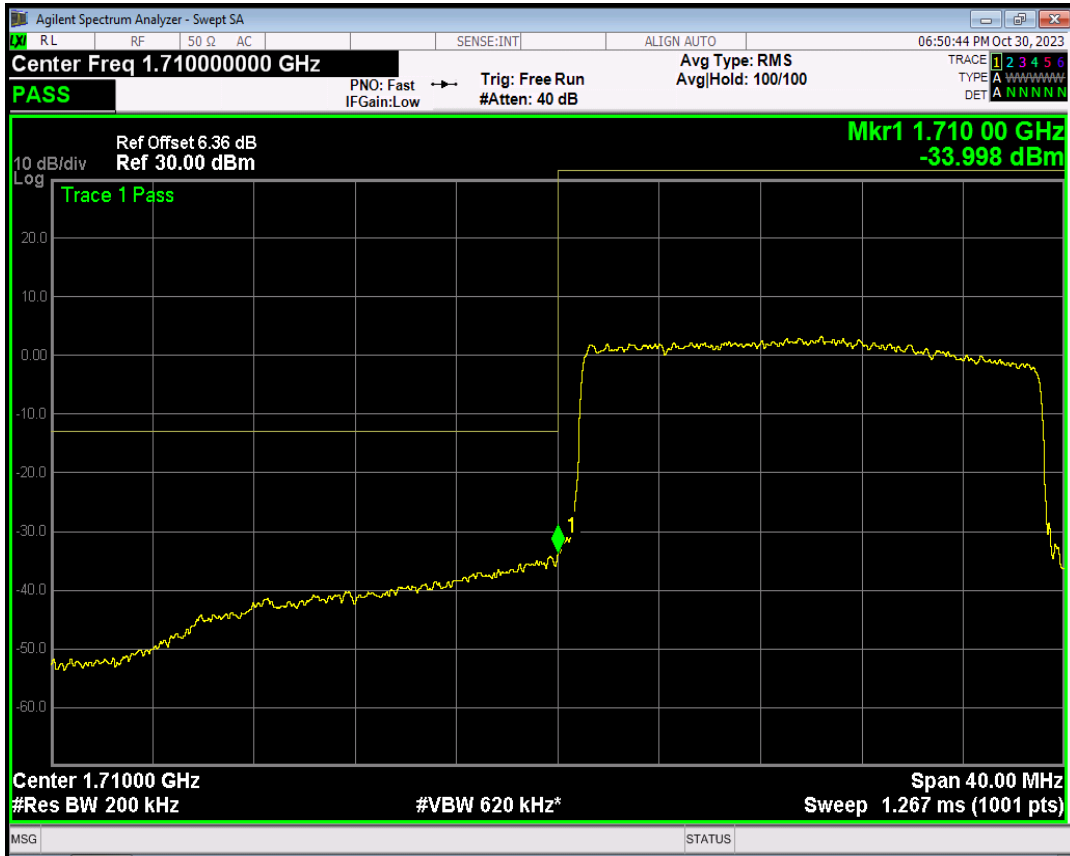
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



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

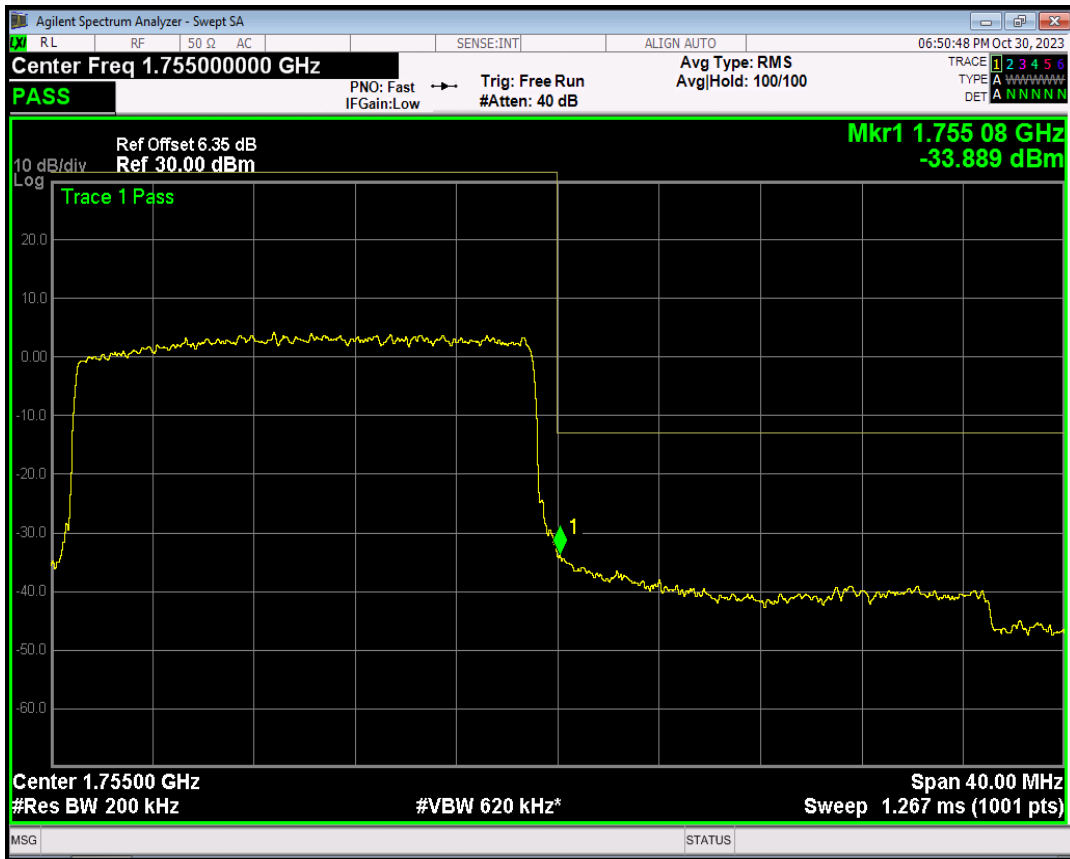


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

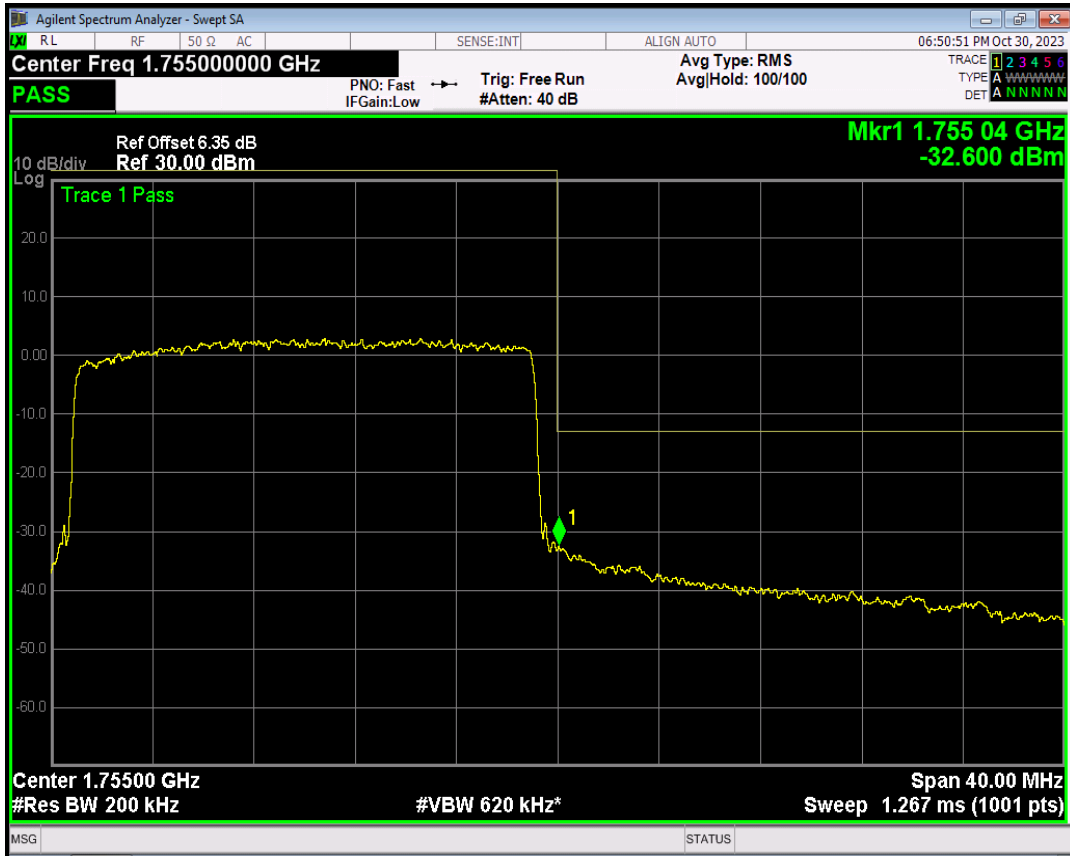




Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



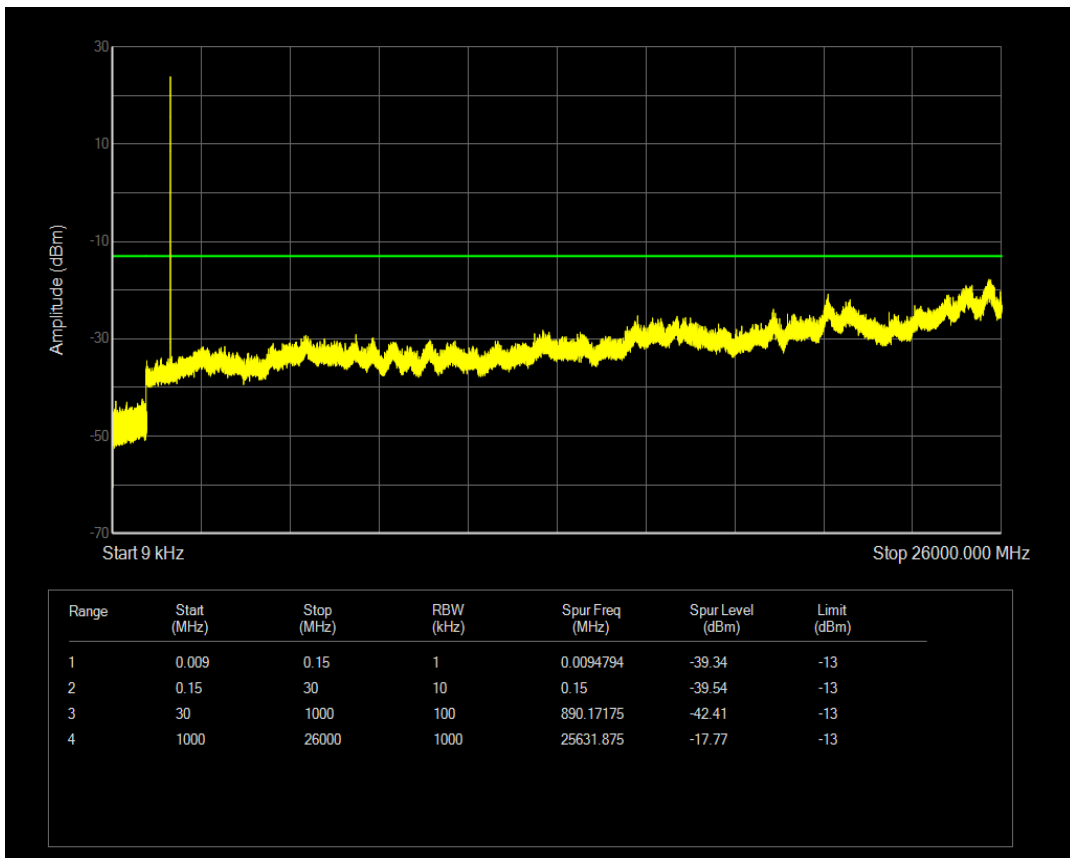
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



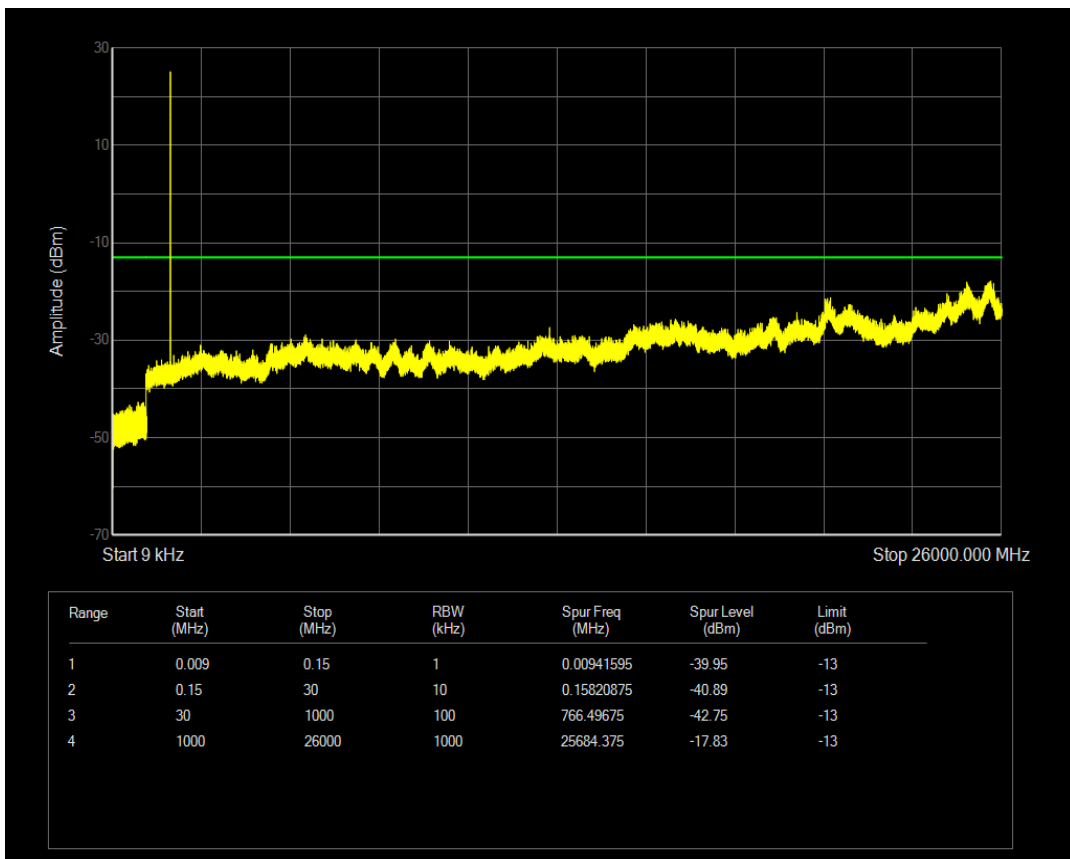
**Appendix 6. Out-of-band emissions**

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	25631.88	-17.77	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25684.38	-17.83	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25618.75	-16.60	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25679.38	-17.78	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25593.75	-17.46	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25527.50	-17.37	-13	PASS
Band4	3	19965	15	#0	QPSK	25669.38	-16.96	-13	PASS
Band4	3	19965	15	#0	16QAM	25648.13	-17.50	-13	PASS
Band4	3	20175	15	#0	QPSK	25625.63	-17.69	-13	PASS
Band4	3	20175	15	#0	16QAM	25655.63	-17.09	-13	PASS
Band4	3	20385	15	#0	QPSK	25630.00	-16.83	-13	PASS
Band4	3	20385	15	#0	16QAM	25633.13	-16.52	-13	PASS
Band4	5	19975	25	#0	QPSK	25619.38	-16.05	-13	PASS
Band4	5	19975	25	#0	16QAM	25608.75	-17.58	-13	PASS
Band4	5	20175	25	#0	QPSK	25658.13	-16.89	-13	PASS
Band4	5	20175	25	#0	16QAM	25670.63	-17.91	-13	PASS
Band4	5	20375	25	#0	QPSK	25641.25	-17.27	-13	PASS
Band4	5	20375	25	#0	16QAM	25626.25	-17.62	-13	PASS
Band4	10	20000	50	#0	QPSK	25643.75	-17.96	-13	PASS
Band4	10	20000	50	#0	16QAM	25661.88	-17.13	-13	PASS
Band4	10	20175	50	#0	QPSK	25590.00	-17.01	-13	PASS
Band4	10	20175	50	#0	16QAM	25726.88	-17.52	-13	PASS
Band4	10	20350	50	#0	QPSK	25634.38	-16.14	-13	PASS
Band4	10	20350	50	#0	16QAM	25655.00	-17.86	-13	PASS
Band4	15	20025	75	#0	QPSK	25665.63	-17.47	-13	PASS
Band4	15	20025	75	#0	16QAM	25612.50	-17.50	-13	PASS
Band4	15	20175	75	#0	QPSK	25628.75	-17.36	-13	PASS
Band4	15	20175	75	#0	16QAM	25628.13	-17.45	-13	PASS
Band4	15	20325	75	#0	QPSK	25639.38	-17.05	-13	PASS
Band4	15	20325	75	#0	16QAM	25711.25	-18.24	-13	PASS
Band4	20	20050	100	#0	QPSK	24981.88	-17.23	-13	PASS
Band4	20	20050	100	#0	16QAM	25656.88	-18.08	-13	PASS
Band4	20	20175	100	#0	QPSK	25621.25	-17.77	-13	PASS
Band4	20	20175	100	#0	16QAM	25693.75	-17.54	-13	PASS
Band4	20	20300	100	#0	QPSK	25011.25	-16.89	-13	PASS
Band4	20	20300	100	#0	16QAM	25607.50	-16.93	-13	PASS

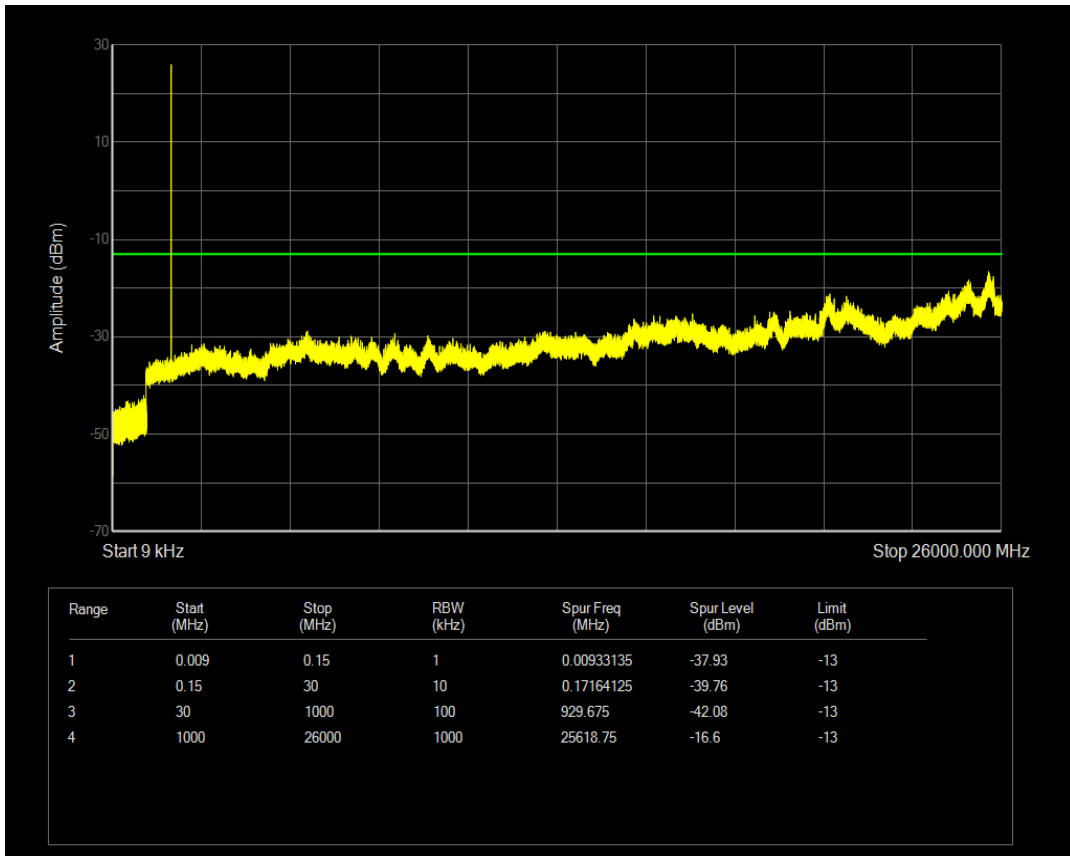
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



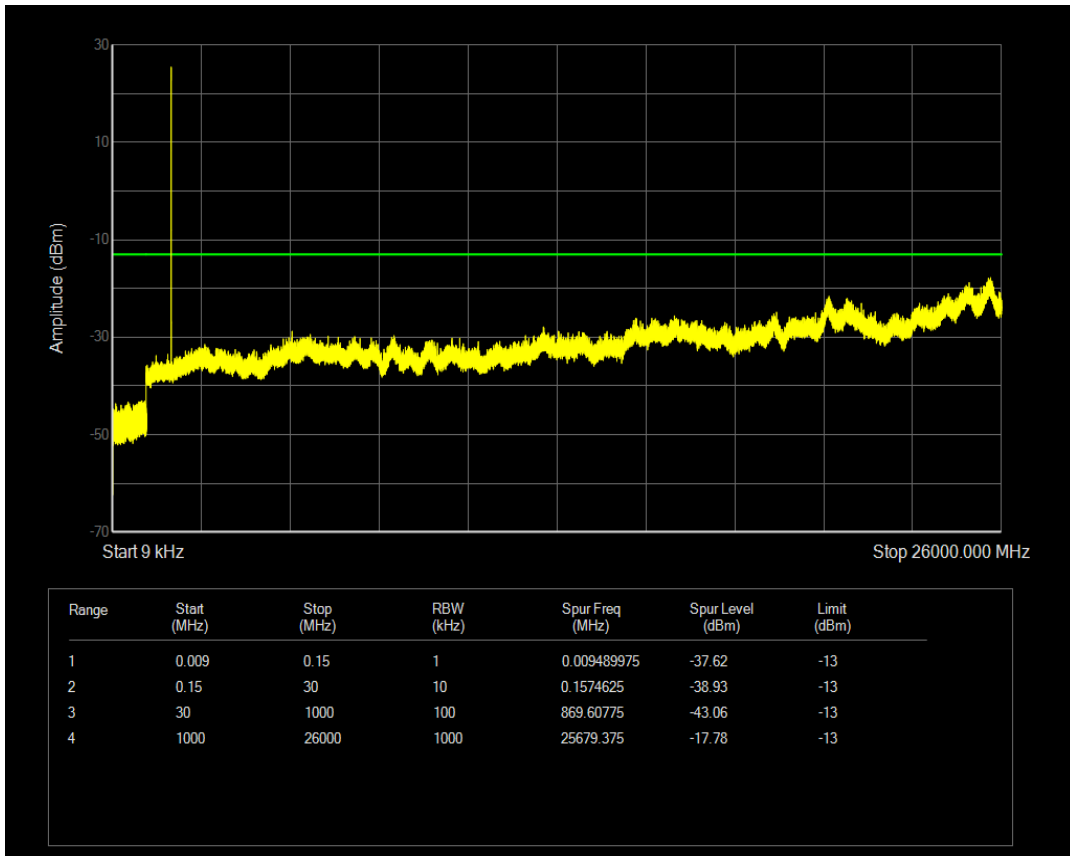
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



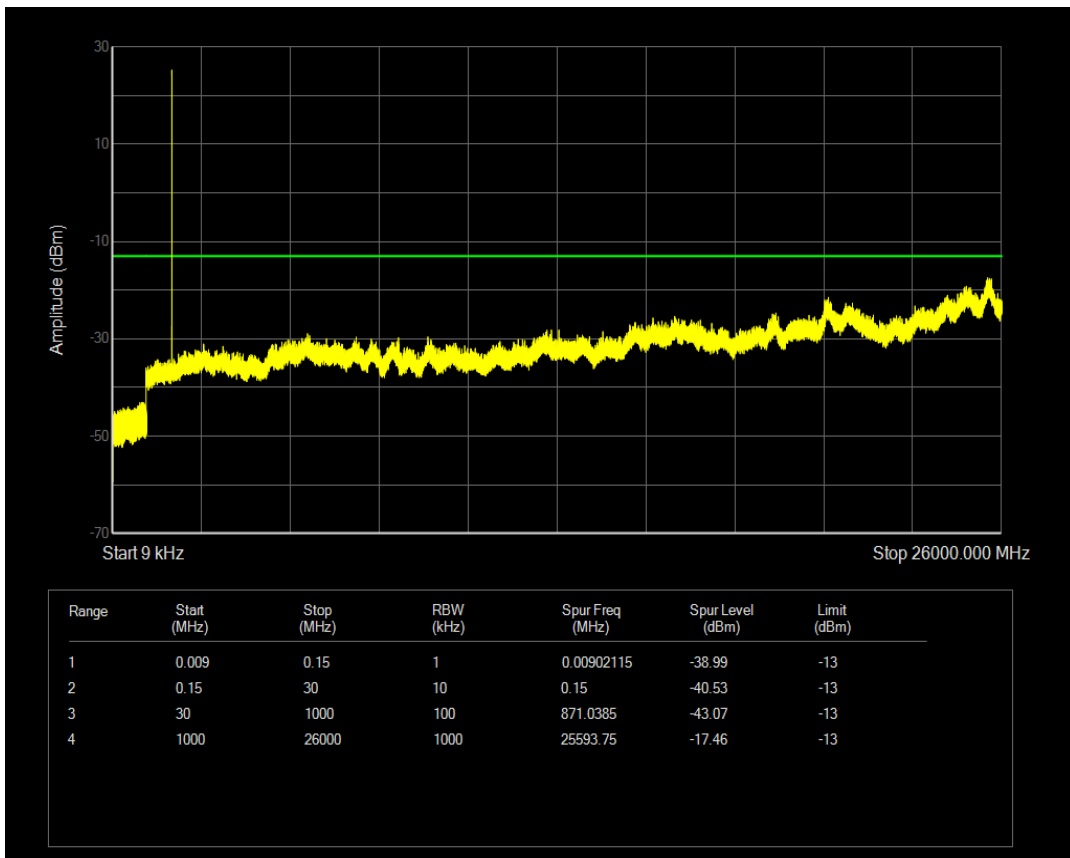
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



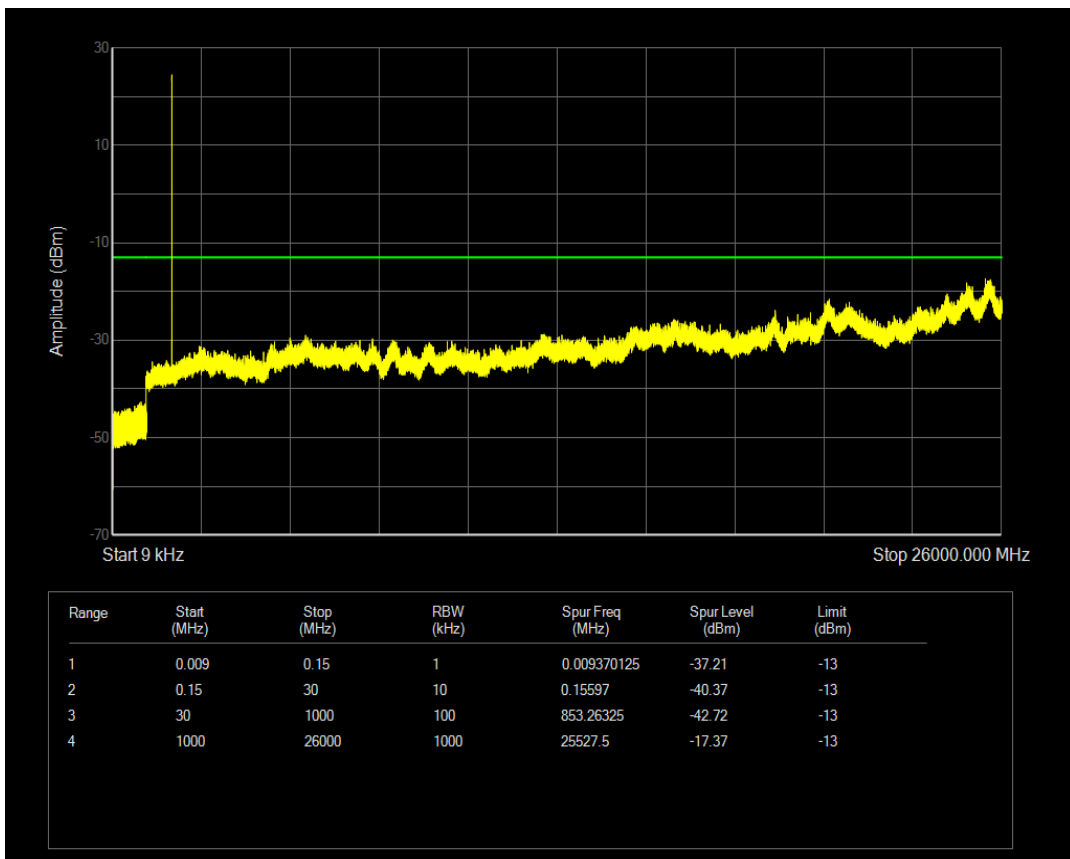
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



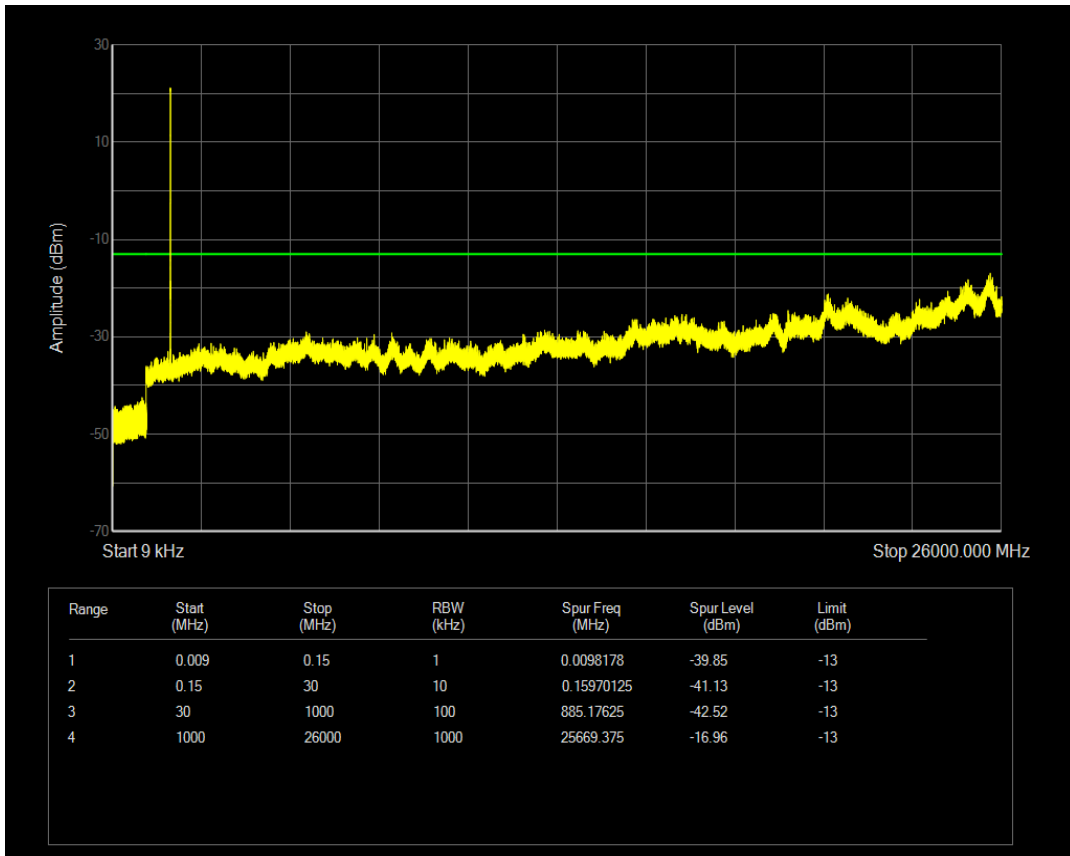
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



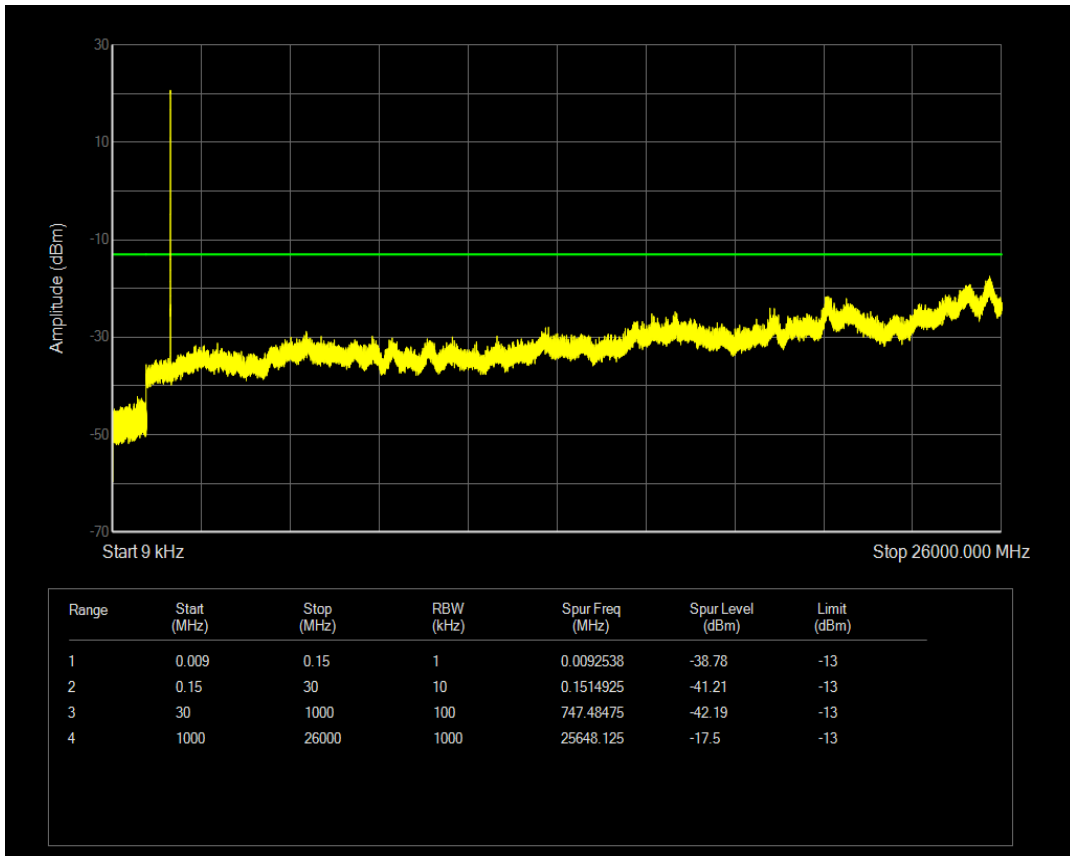
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



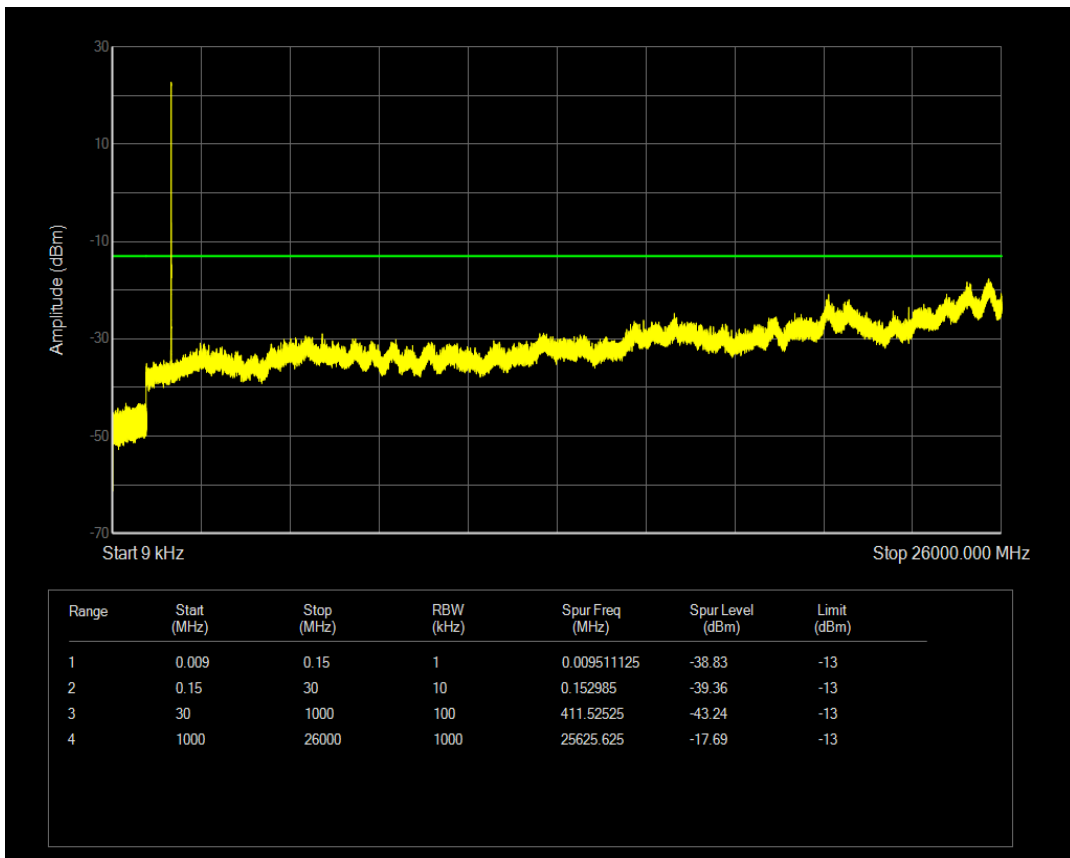
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



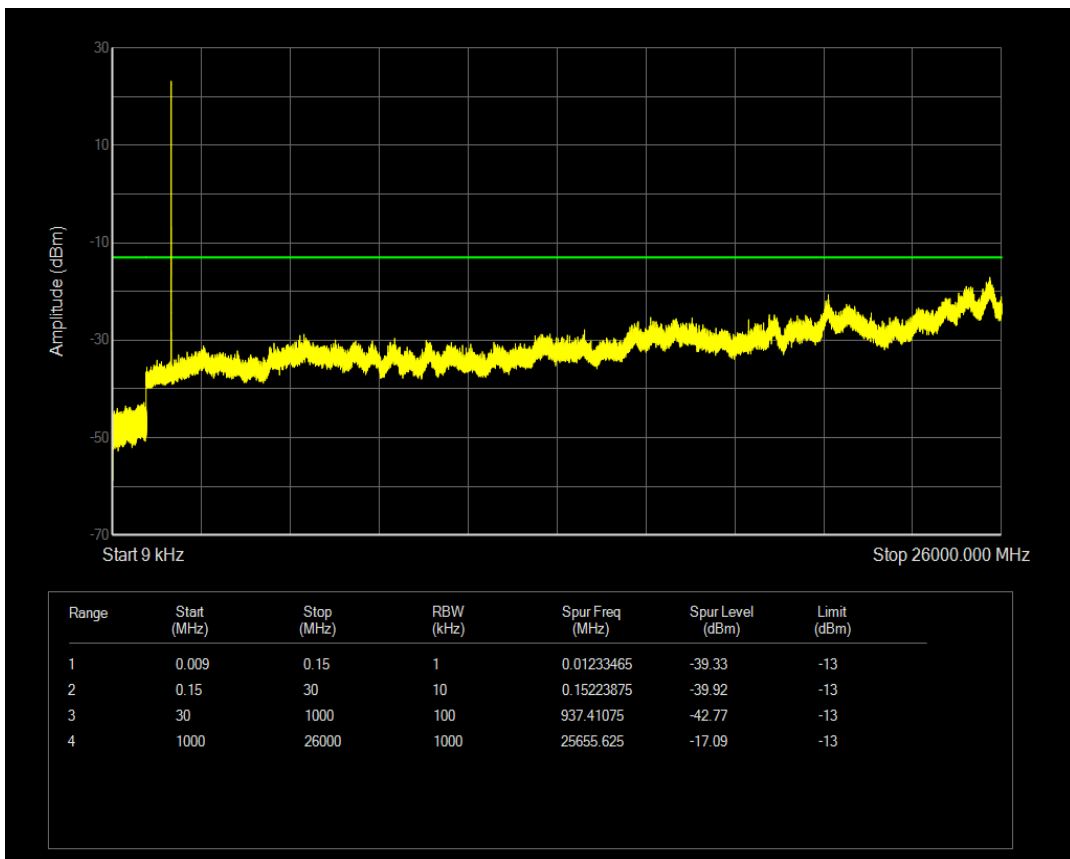
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



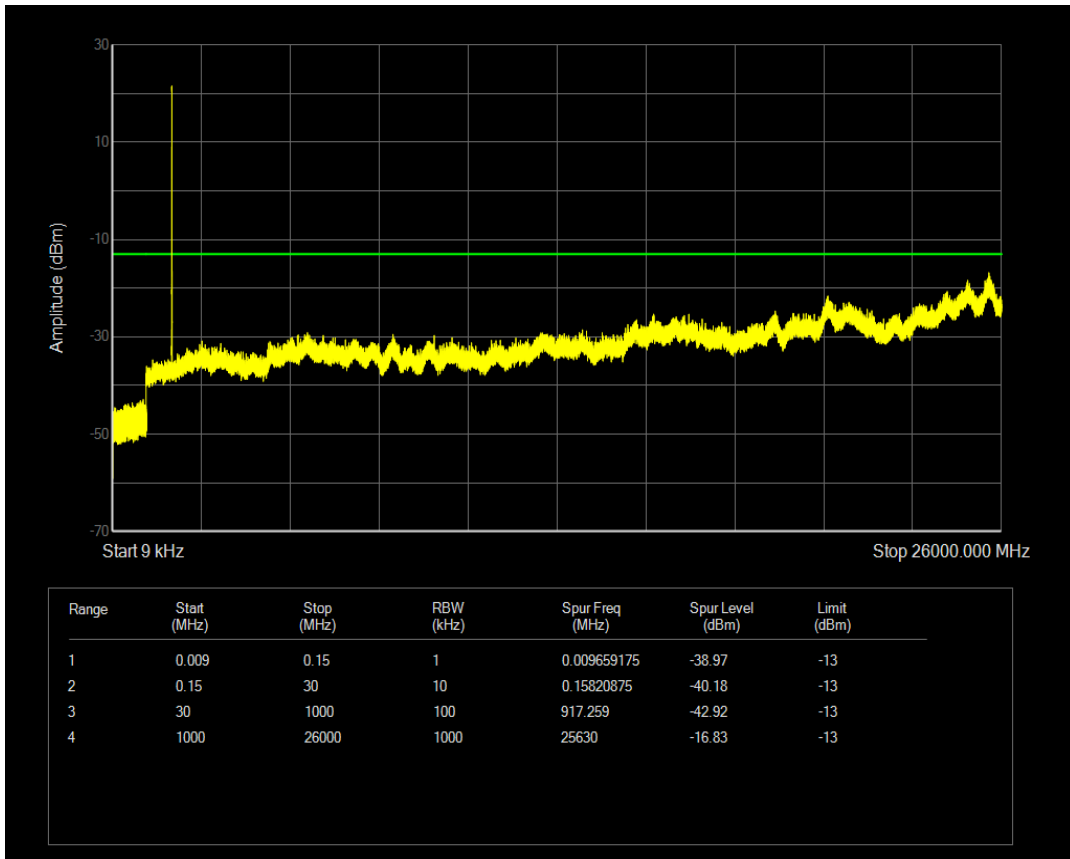
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



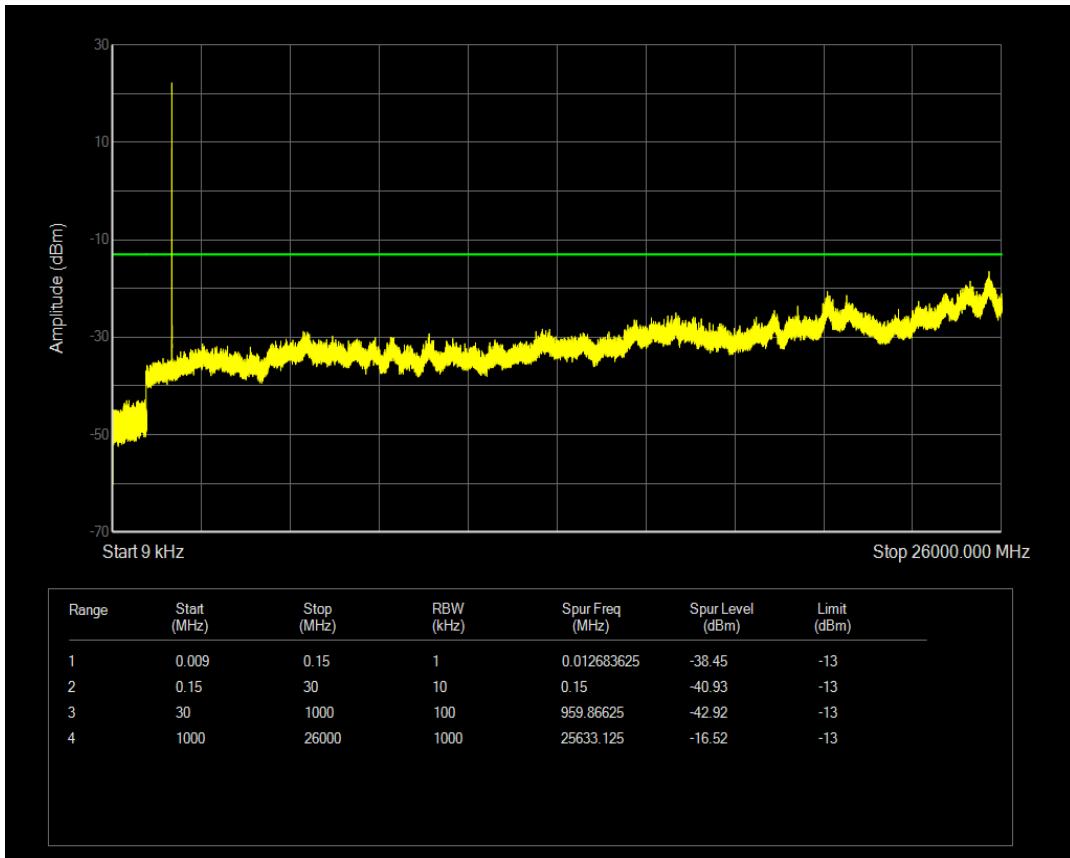
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



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

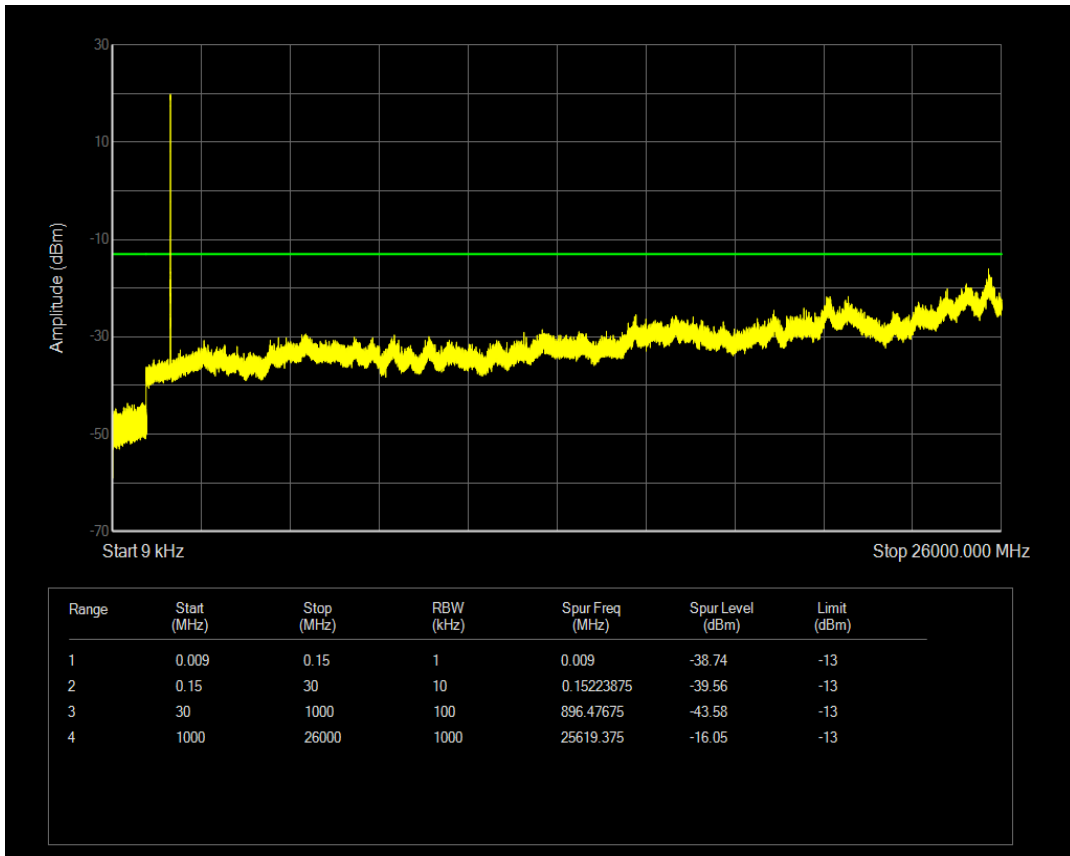


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

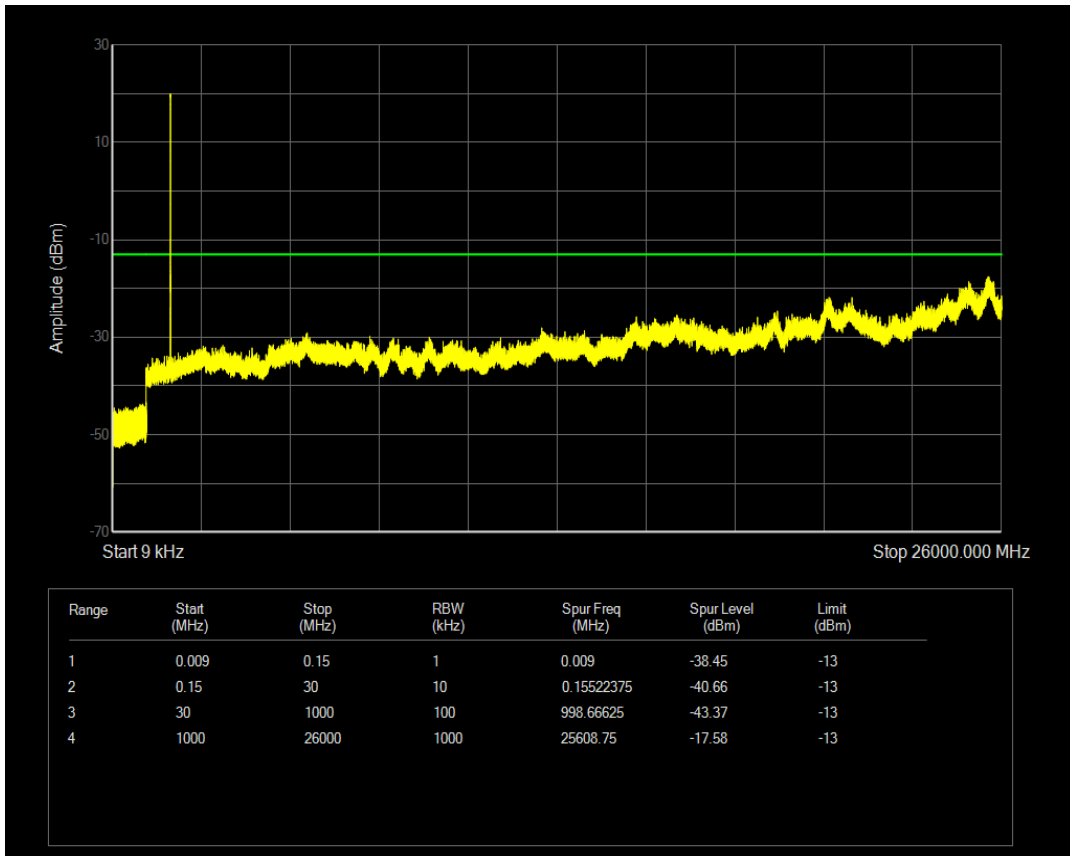




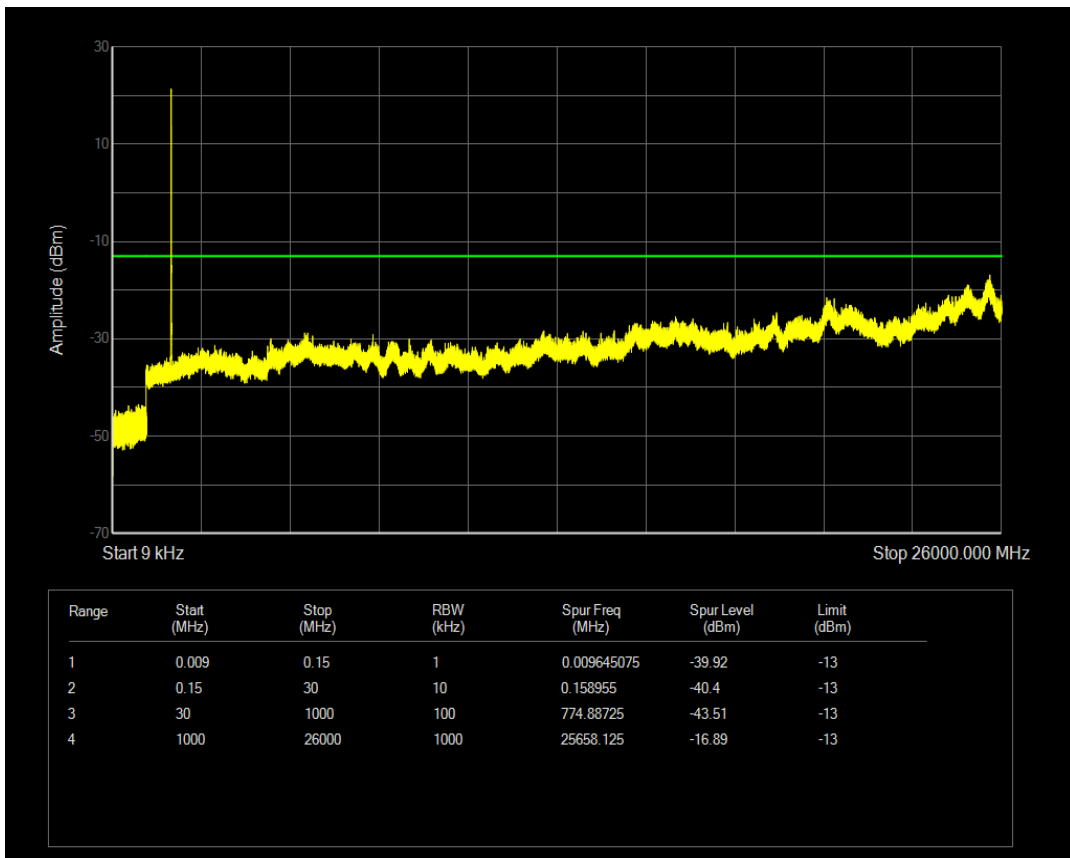
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



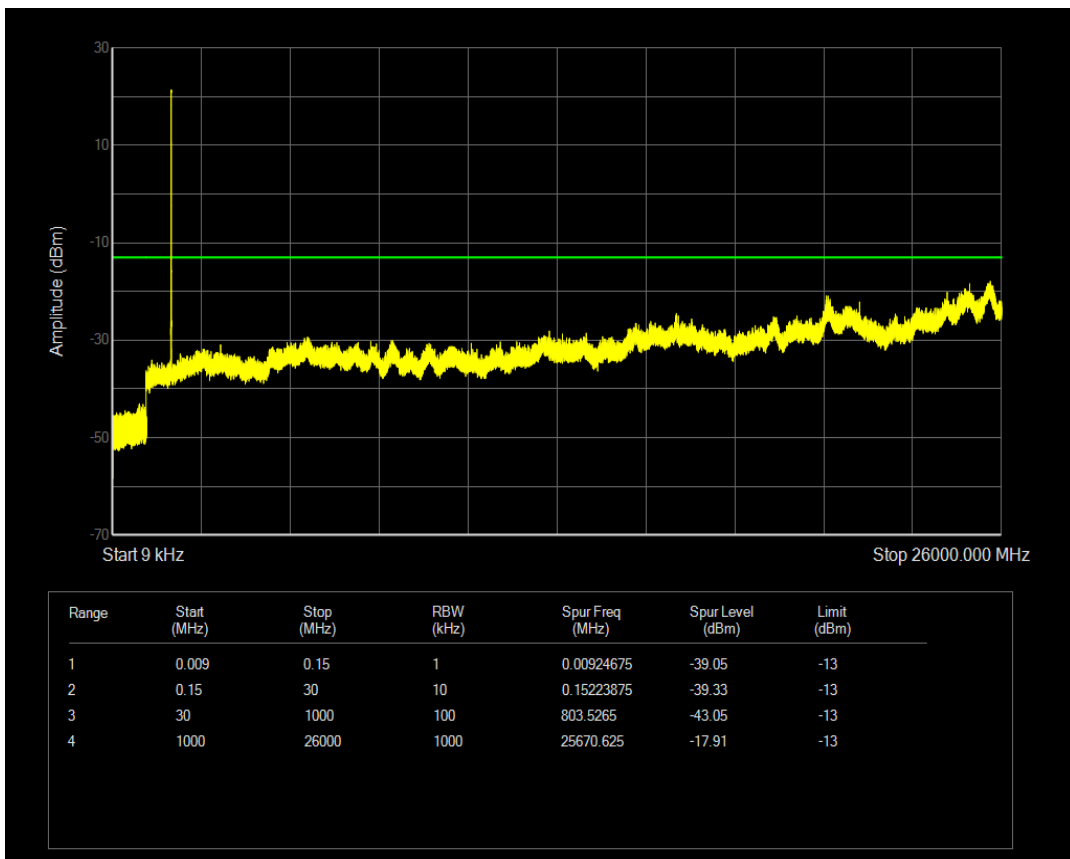
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



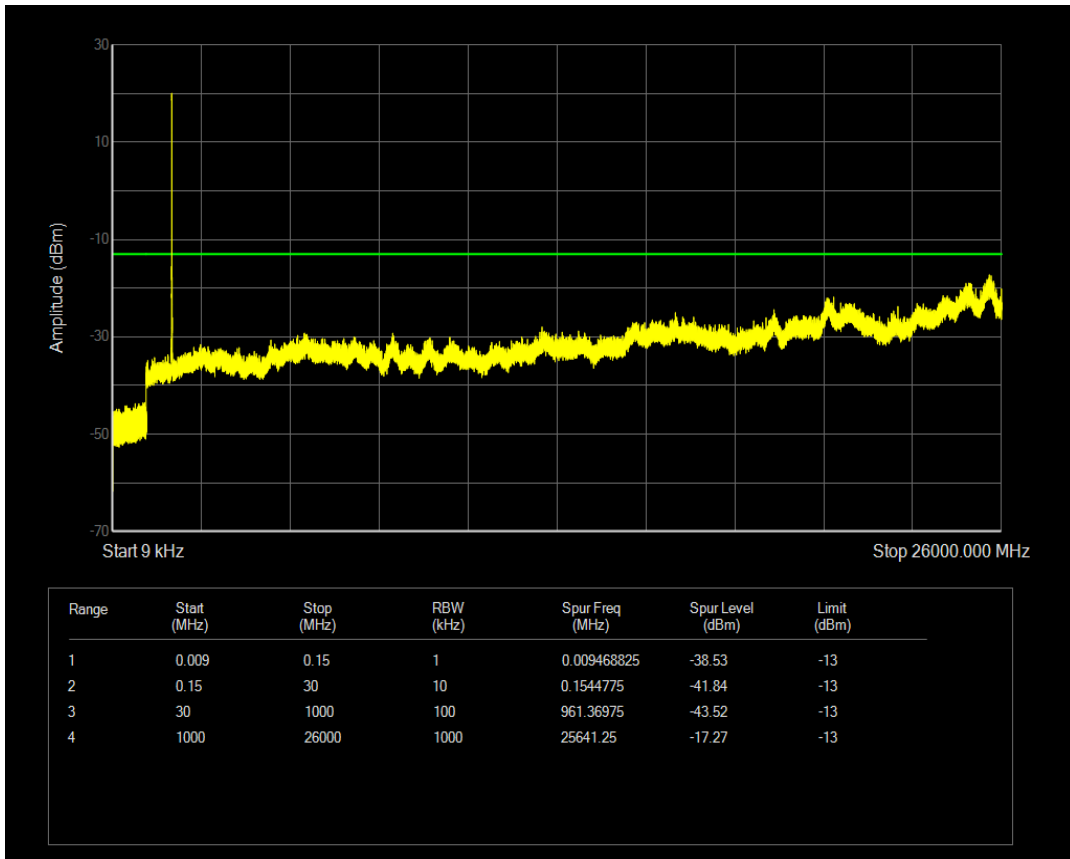
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



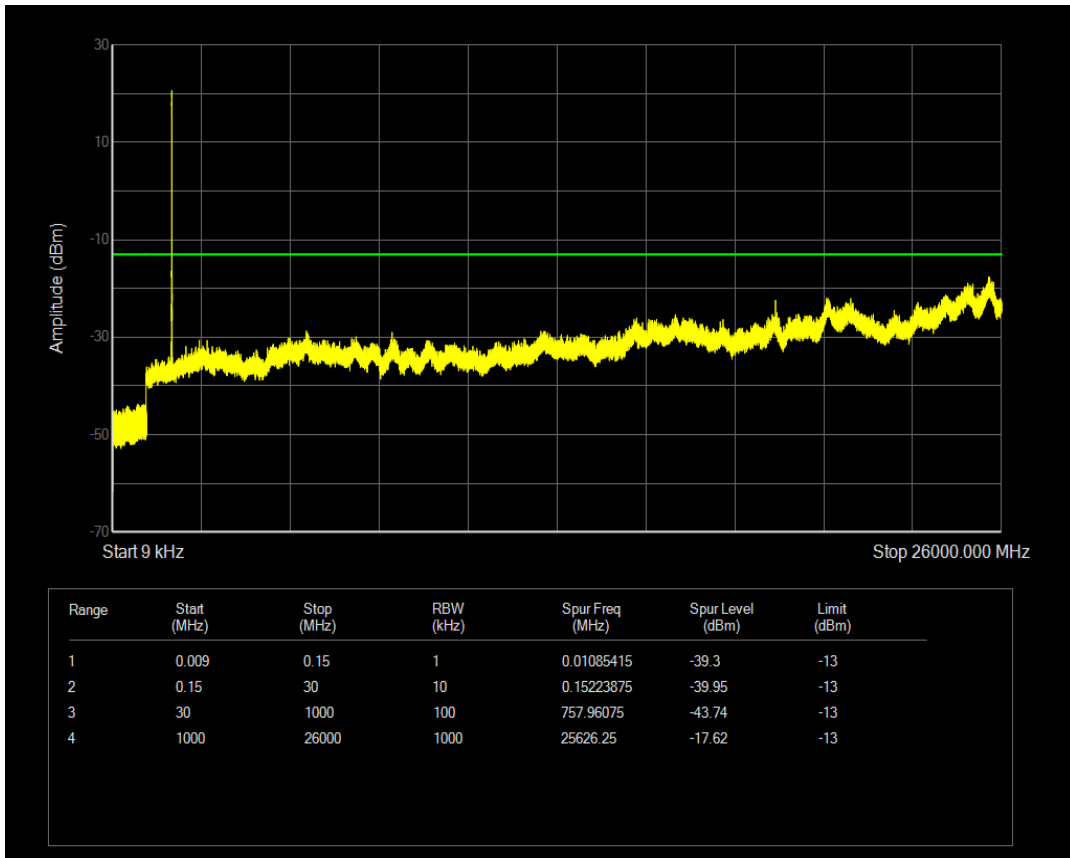
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



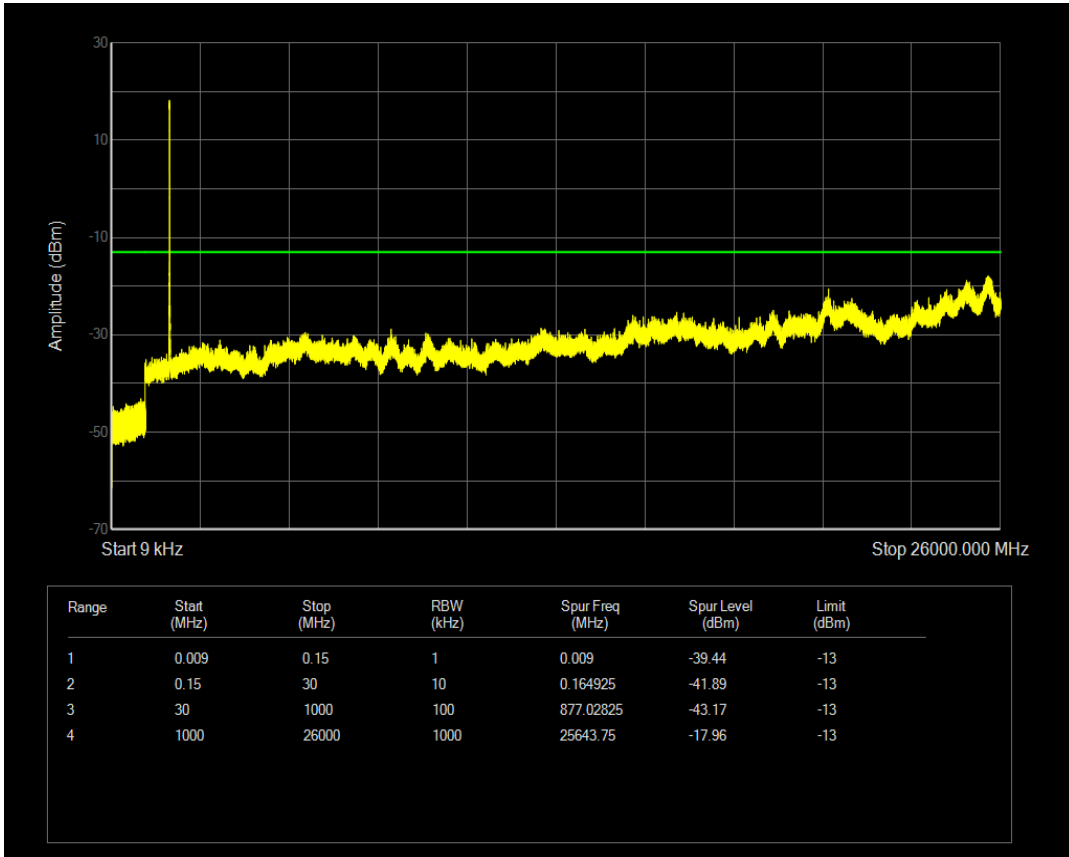
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



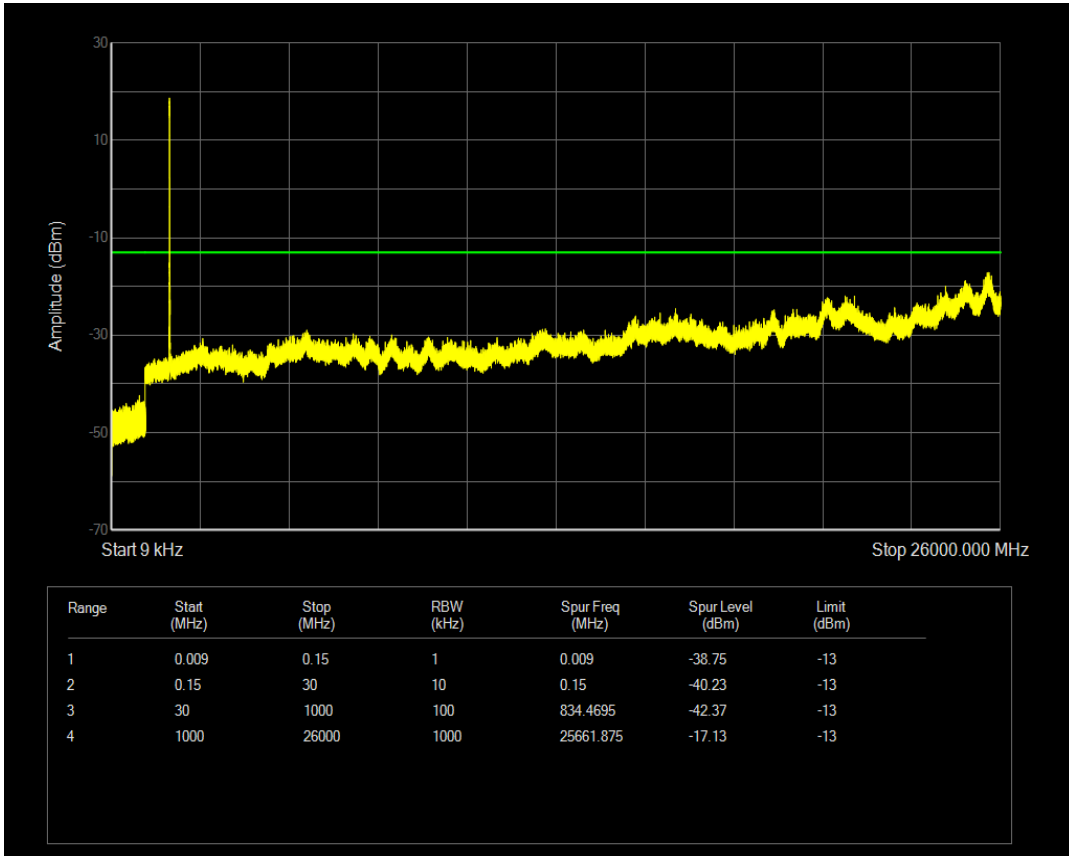
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



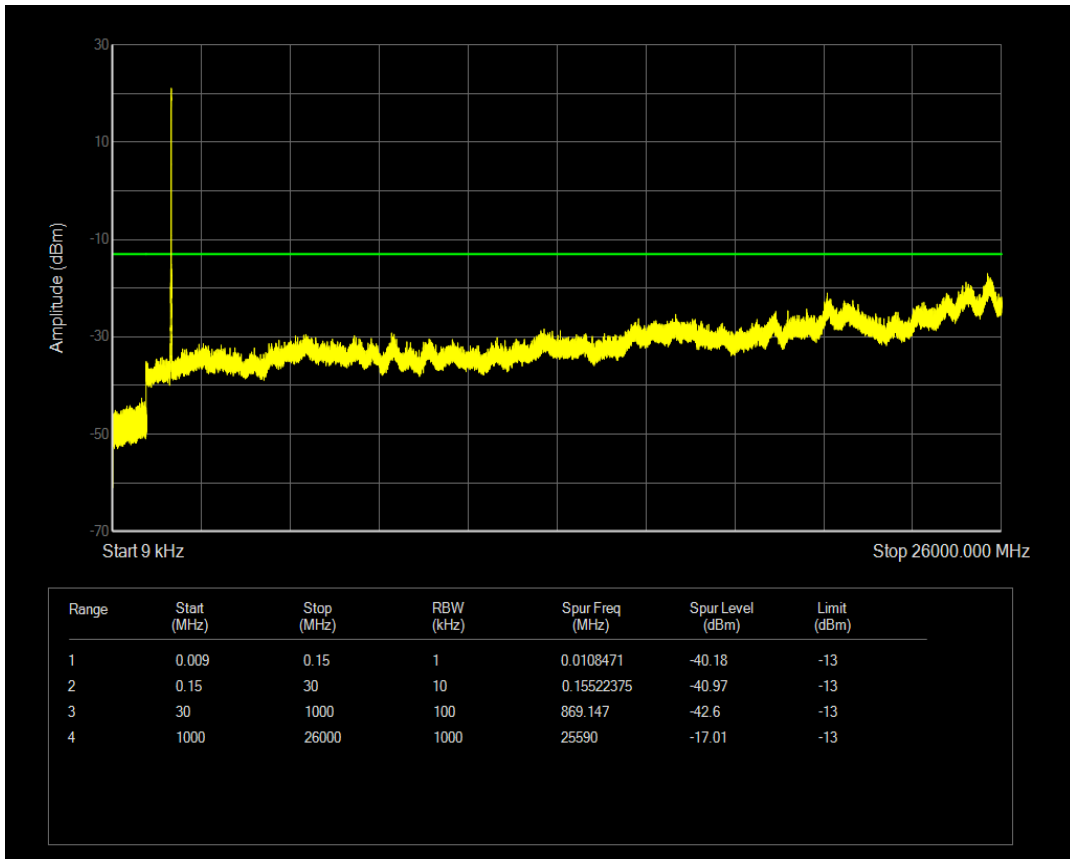
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



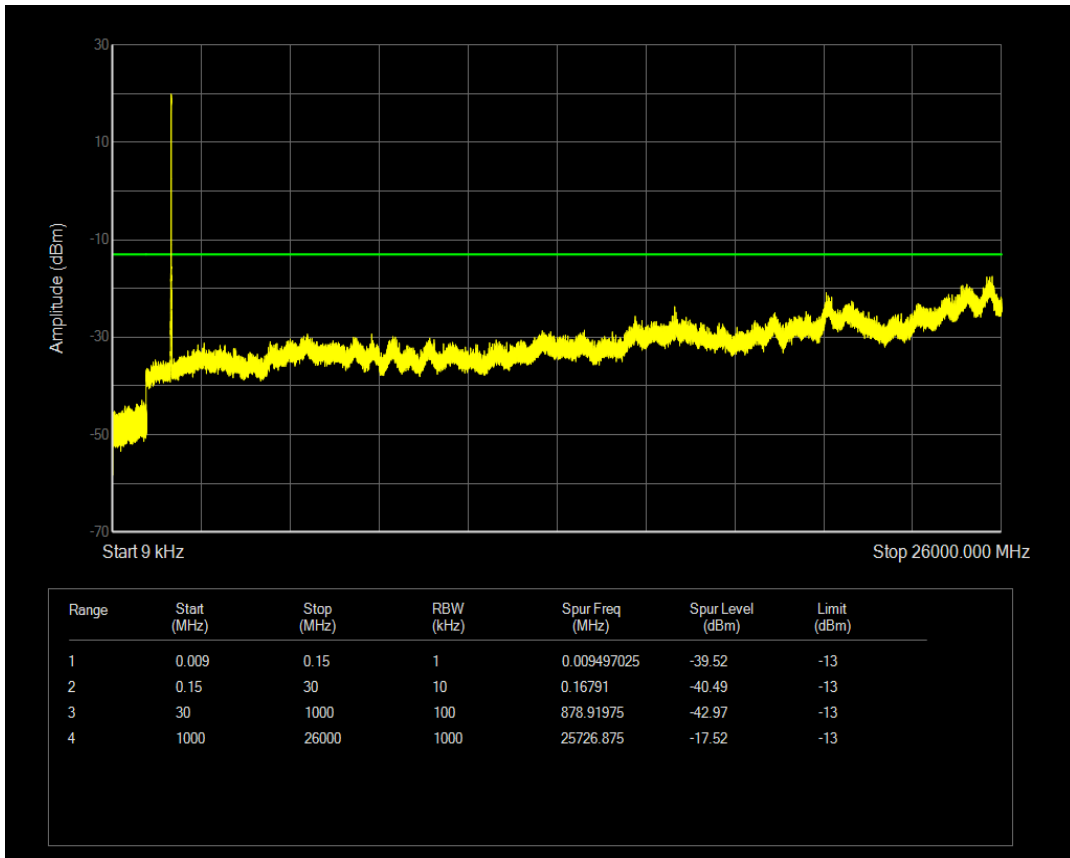
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



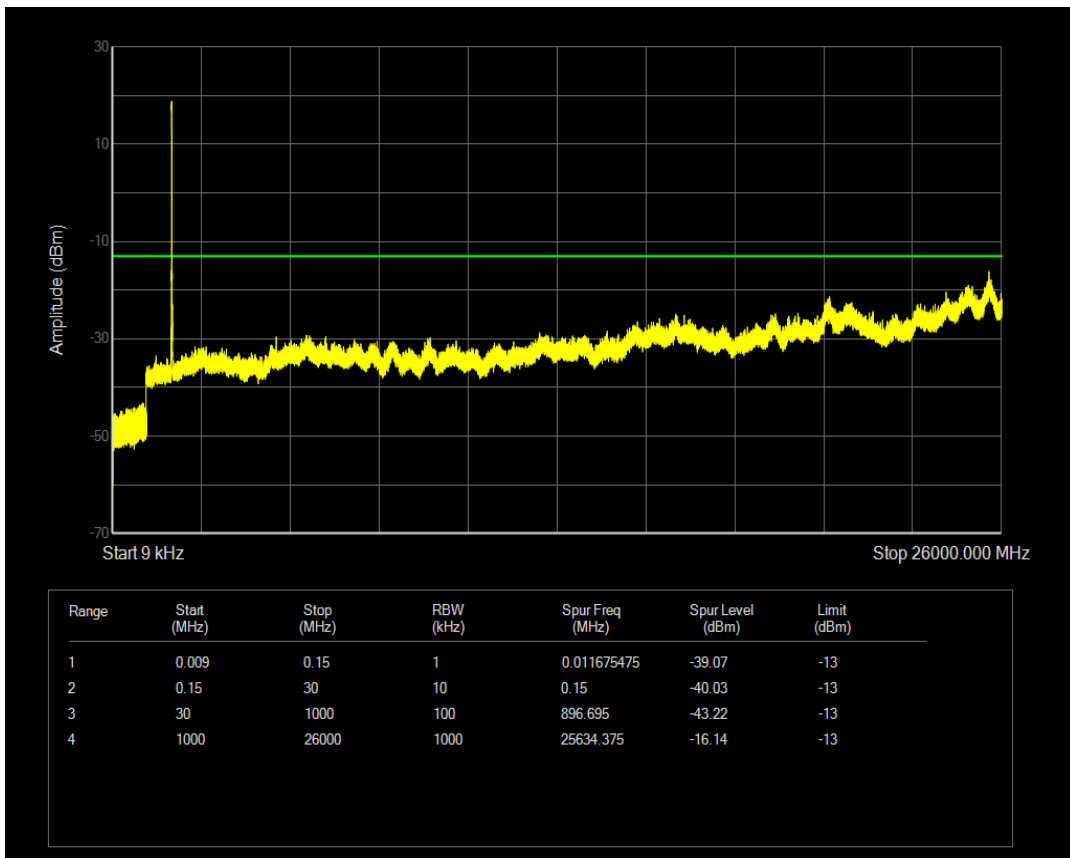
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



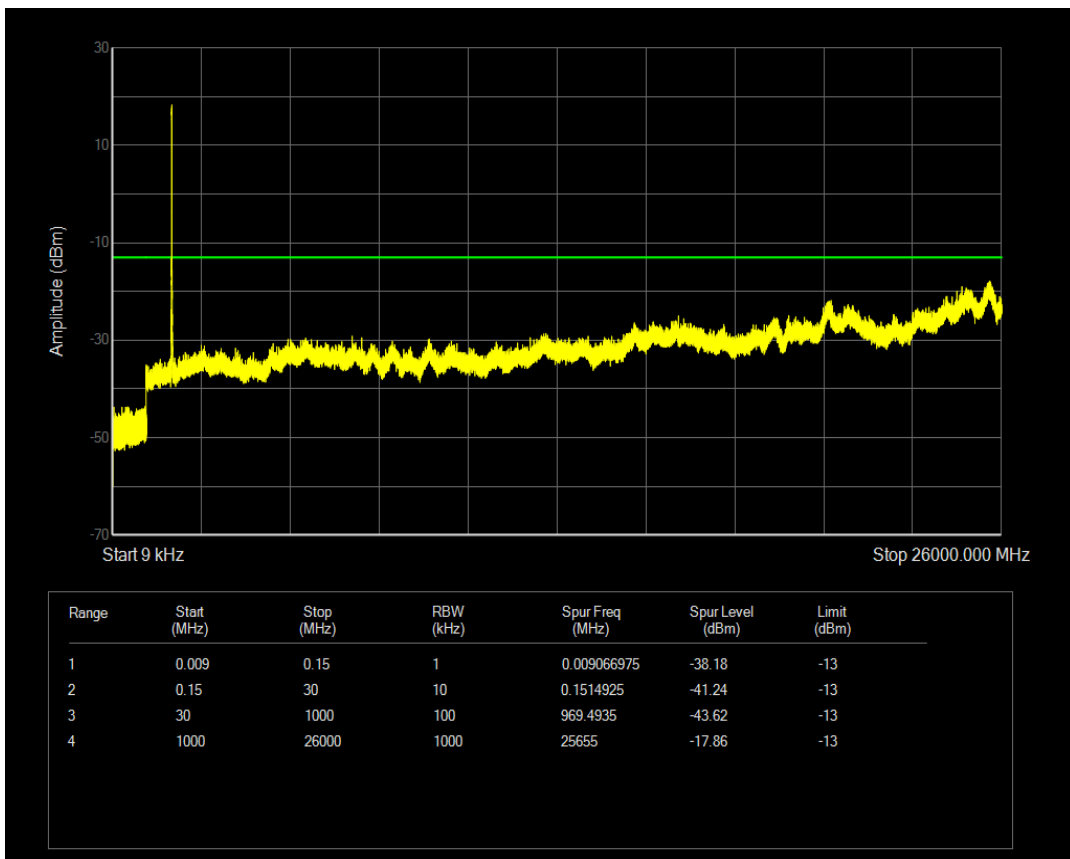
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



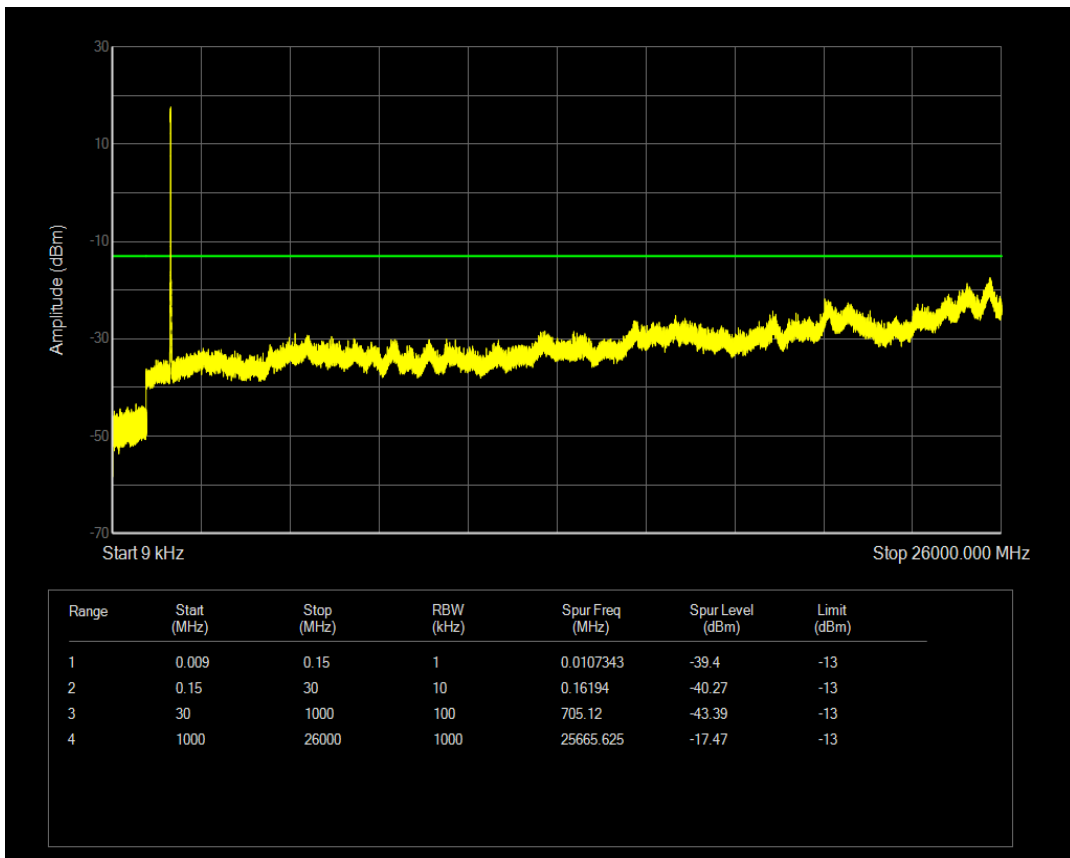
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



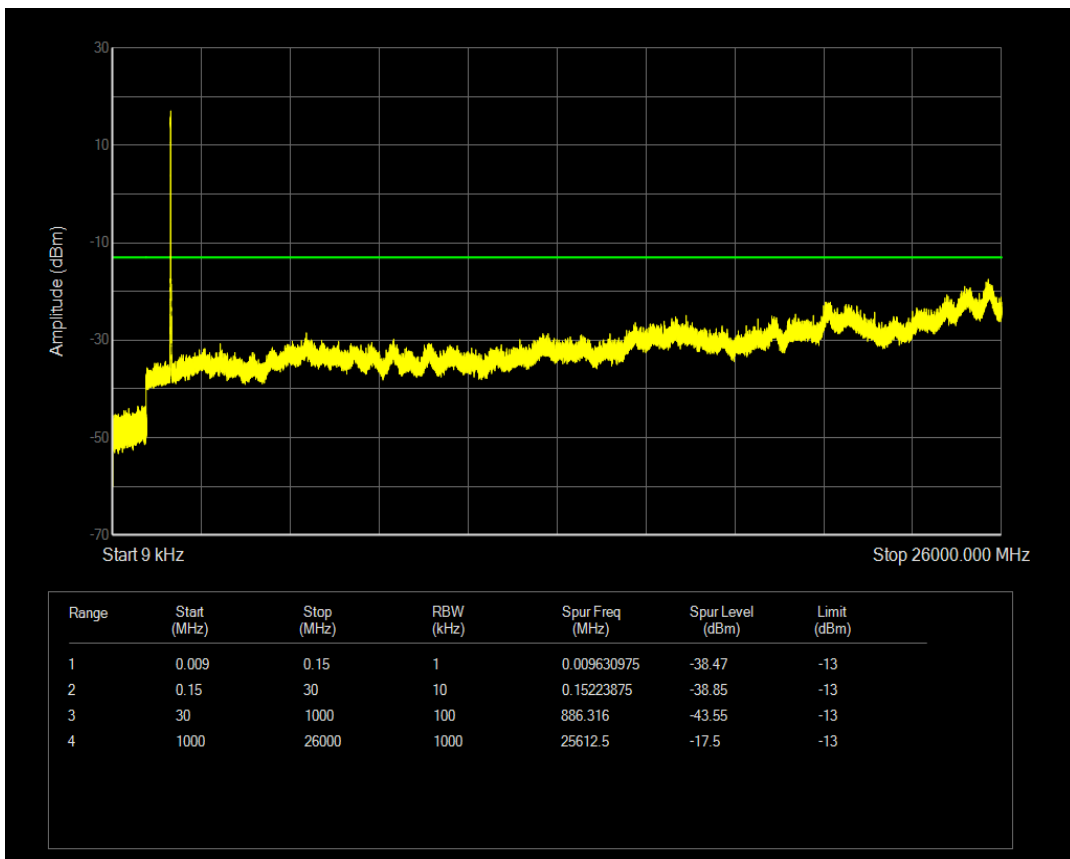
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



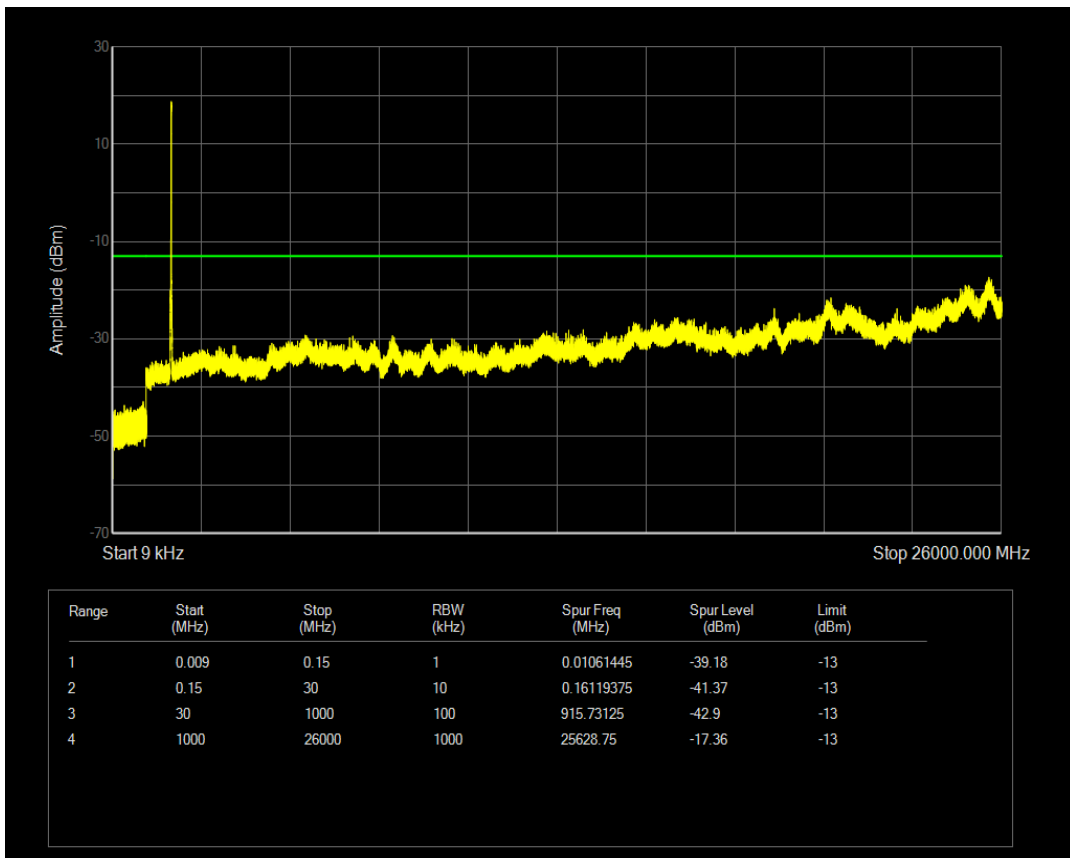
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



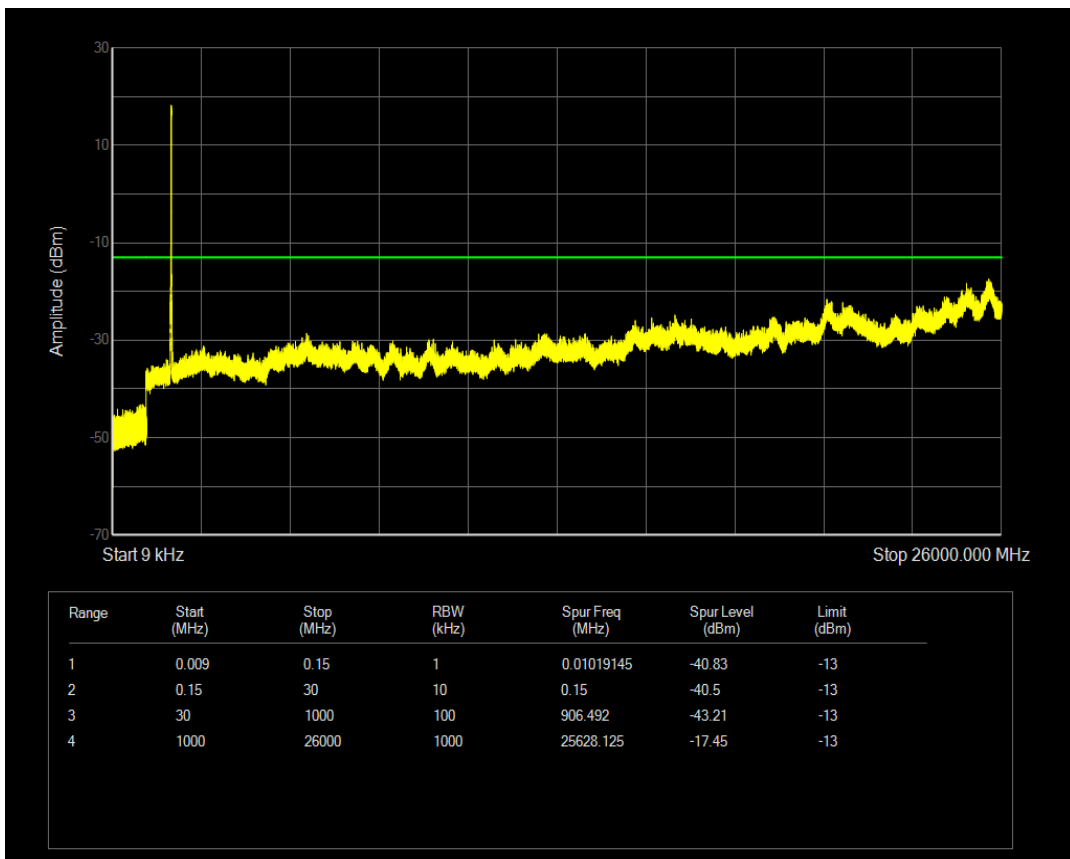
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



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

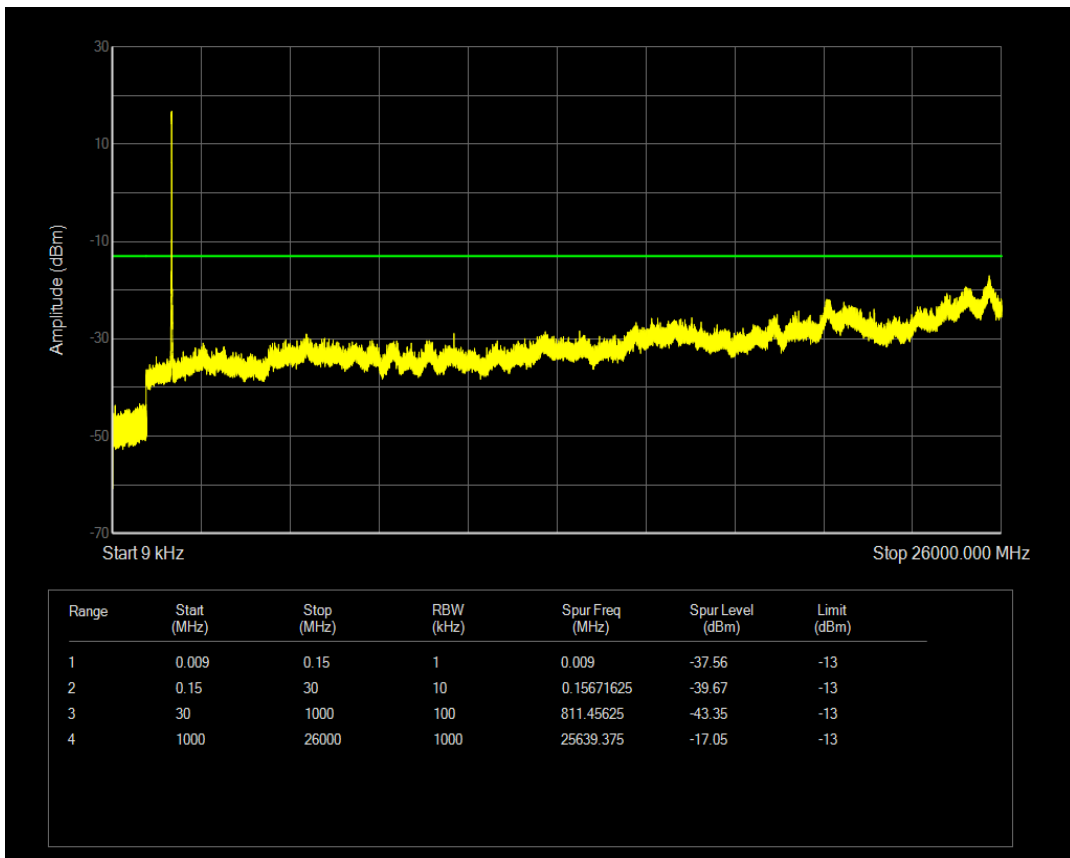


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0

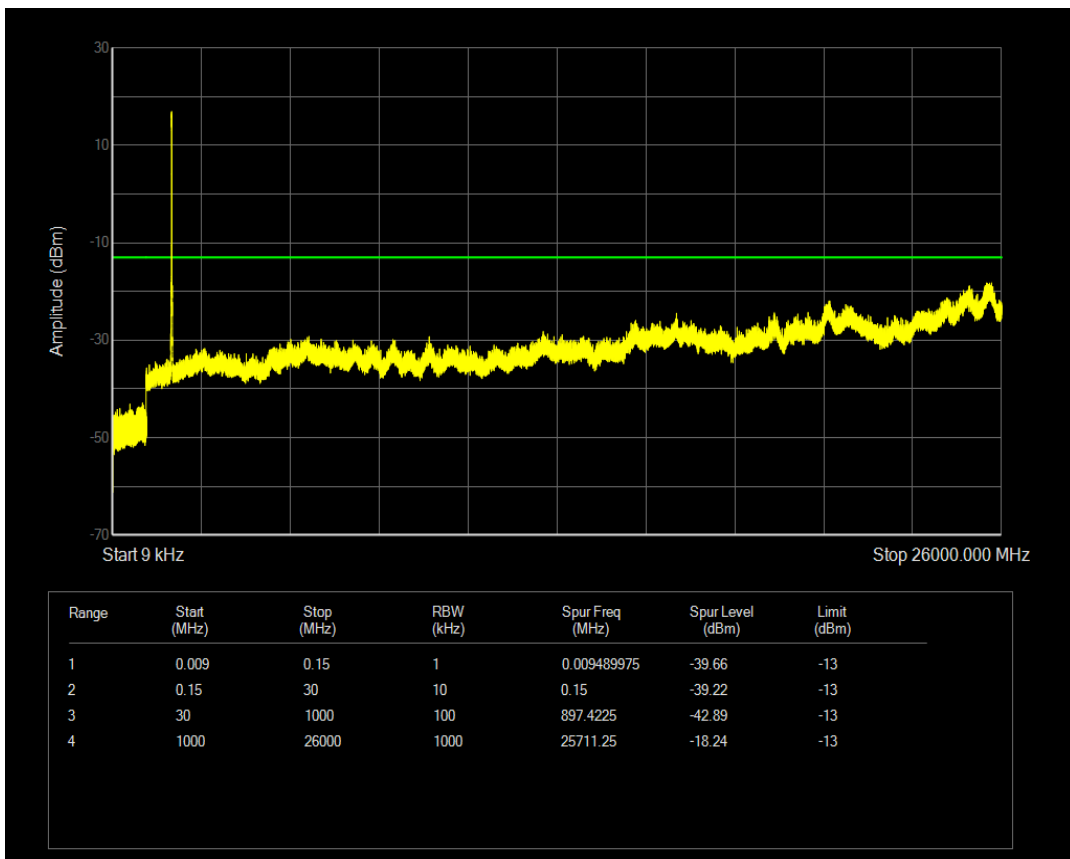




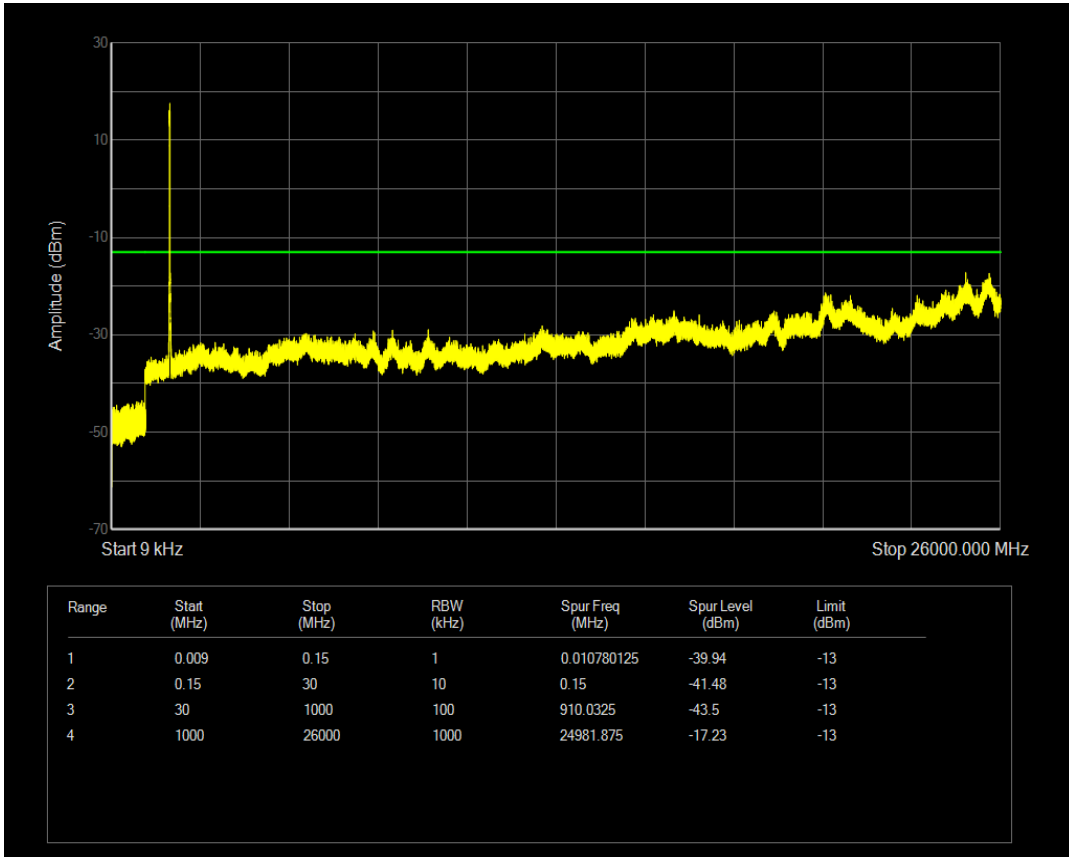
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



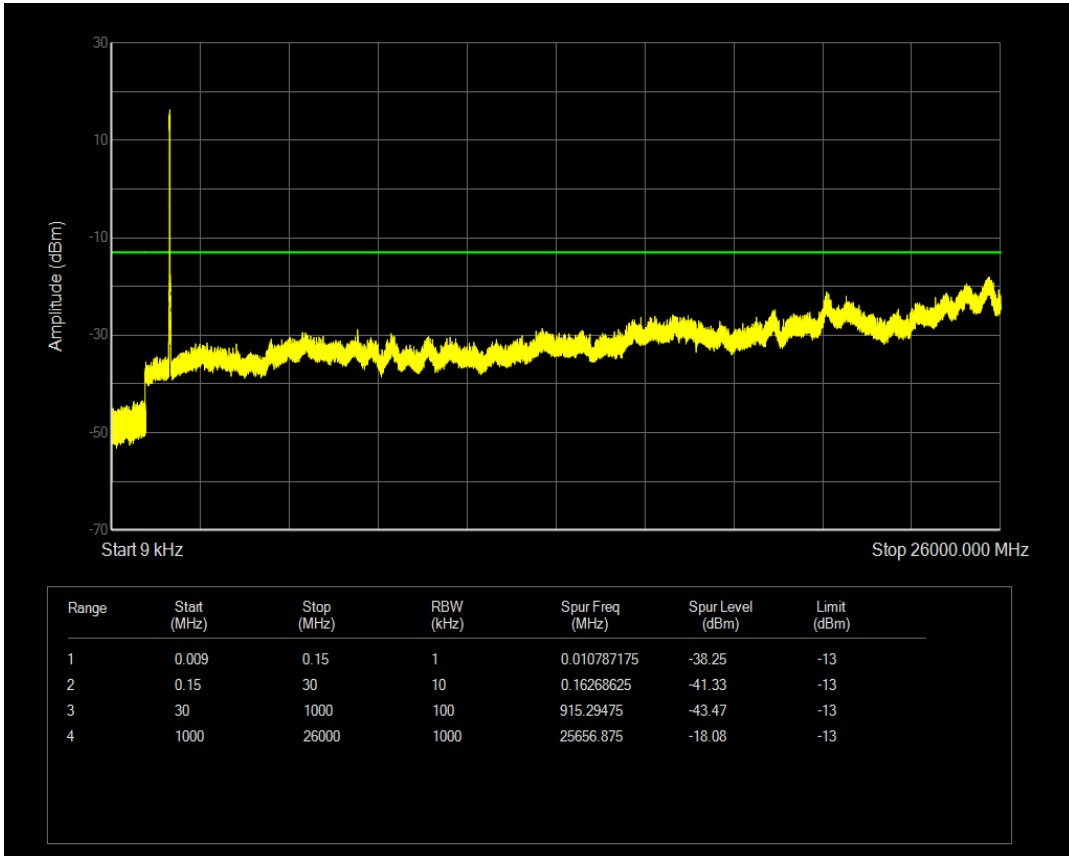
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



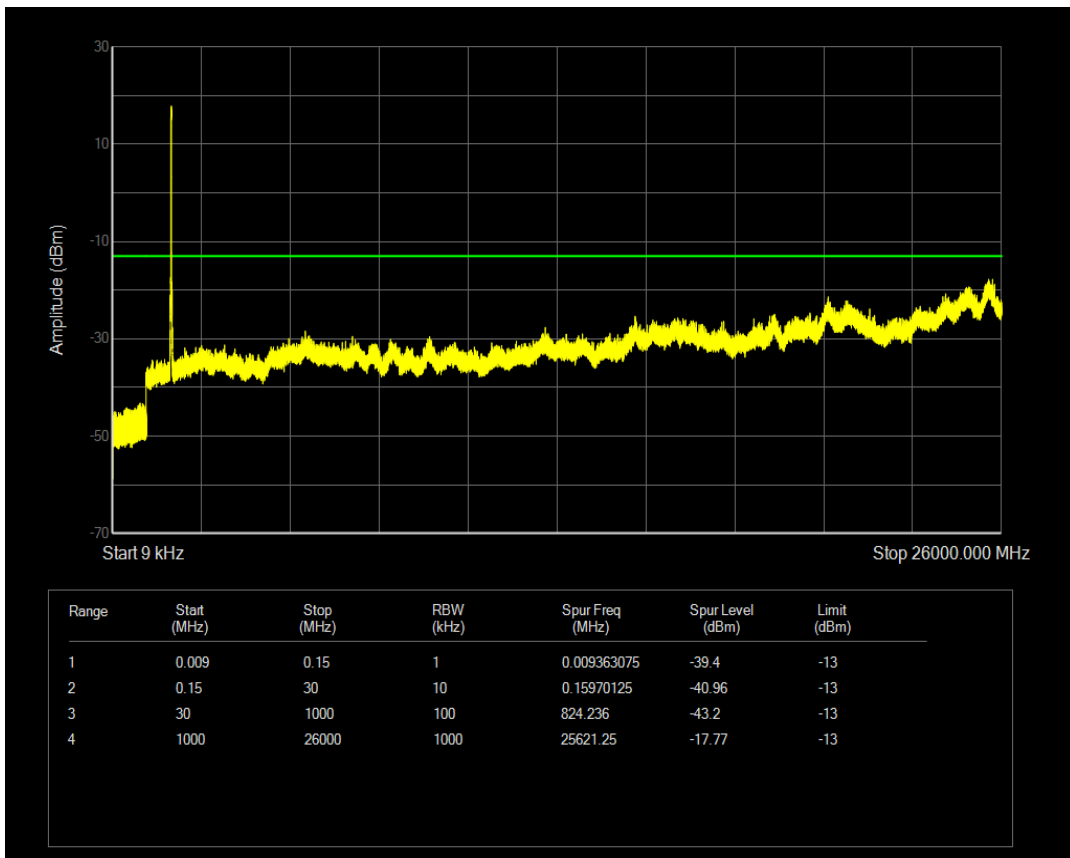
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



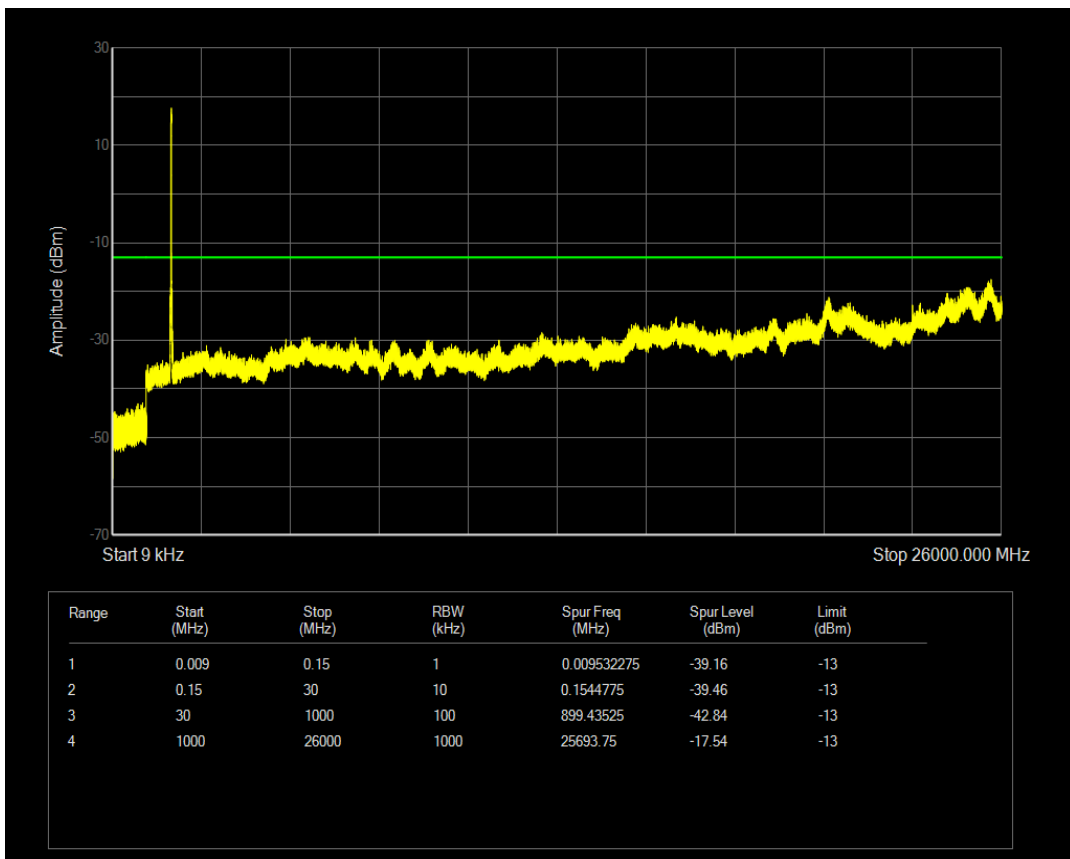
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



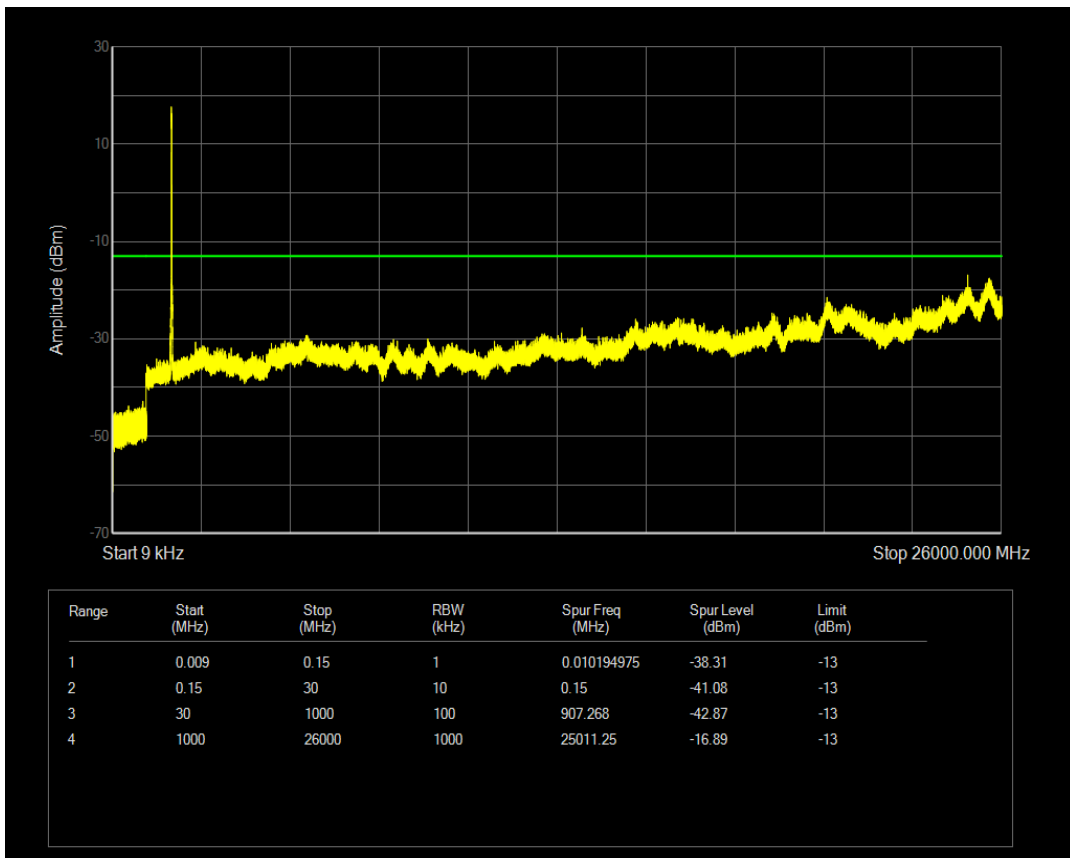
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



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



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



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

