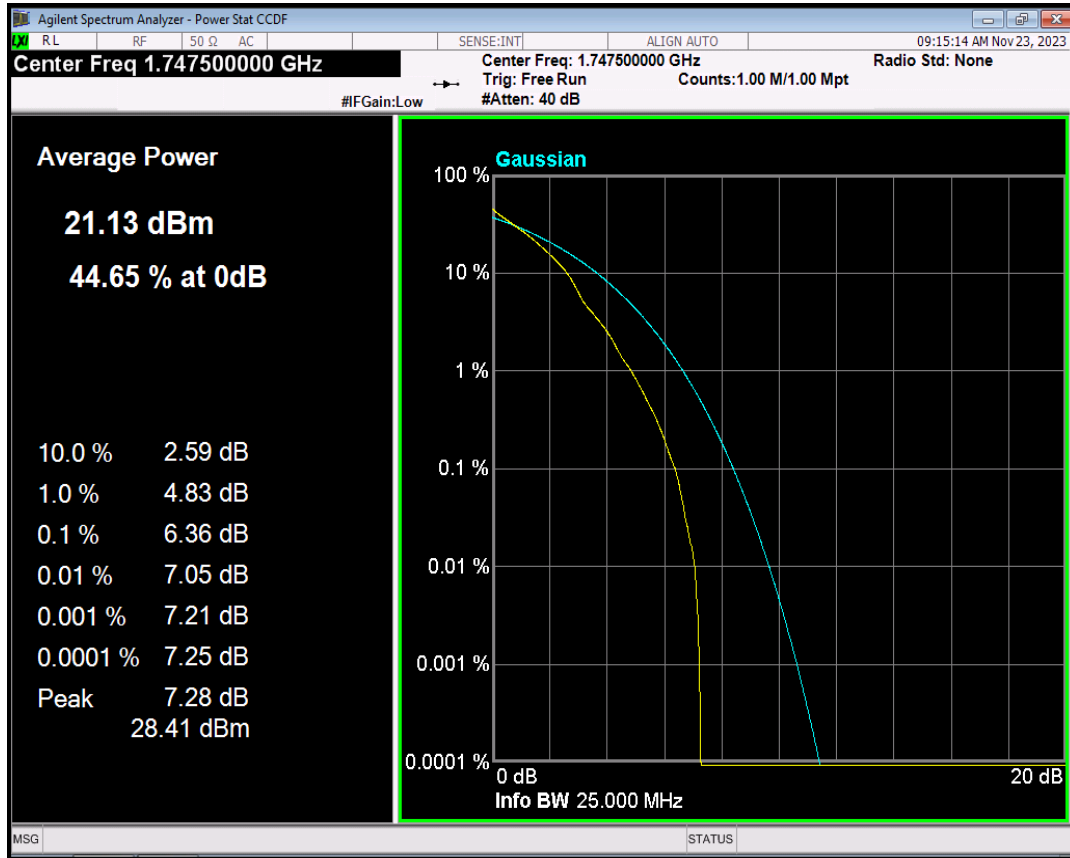
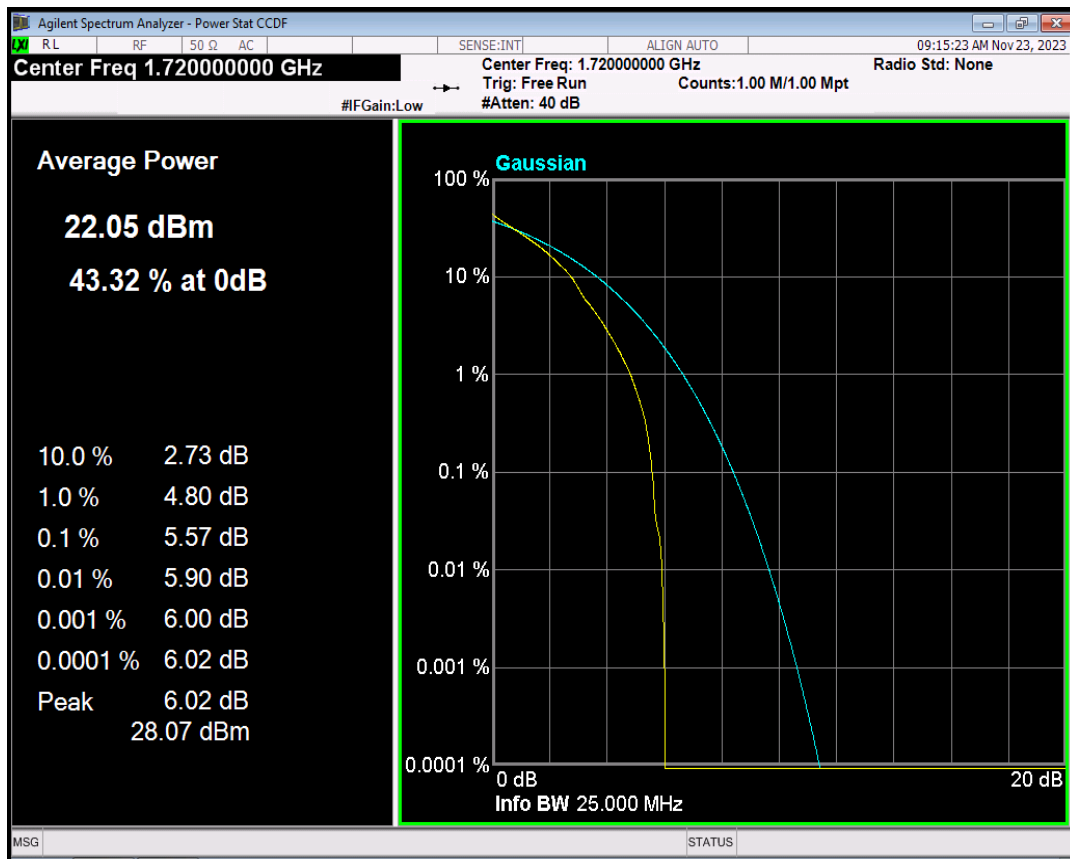


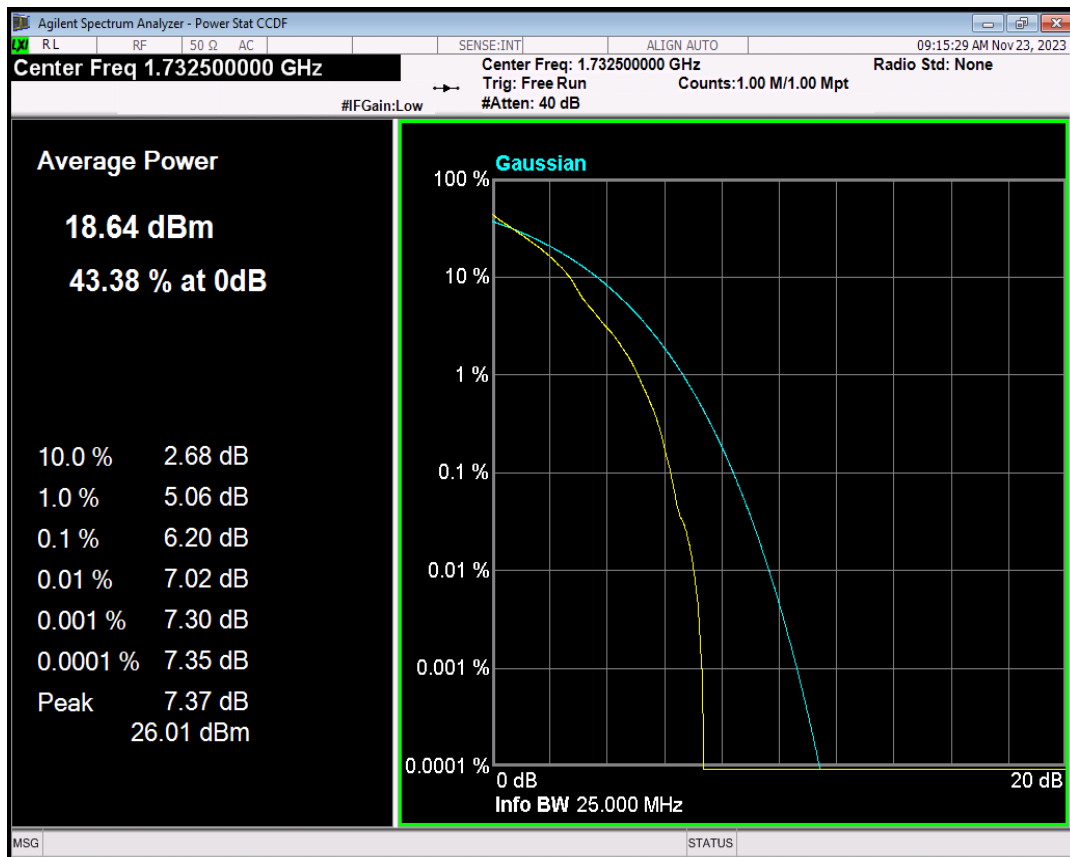
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



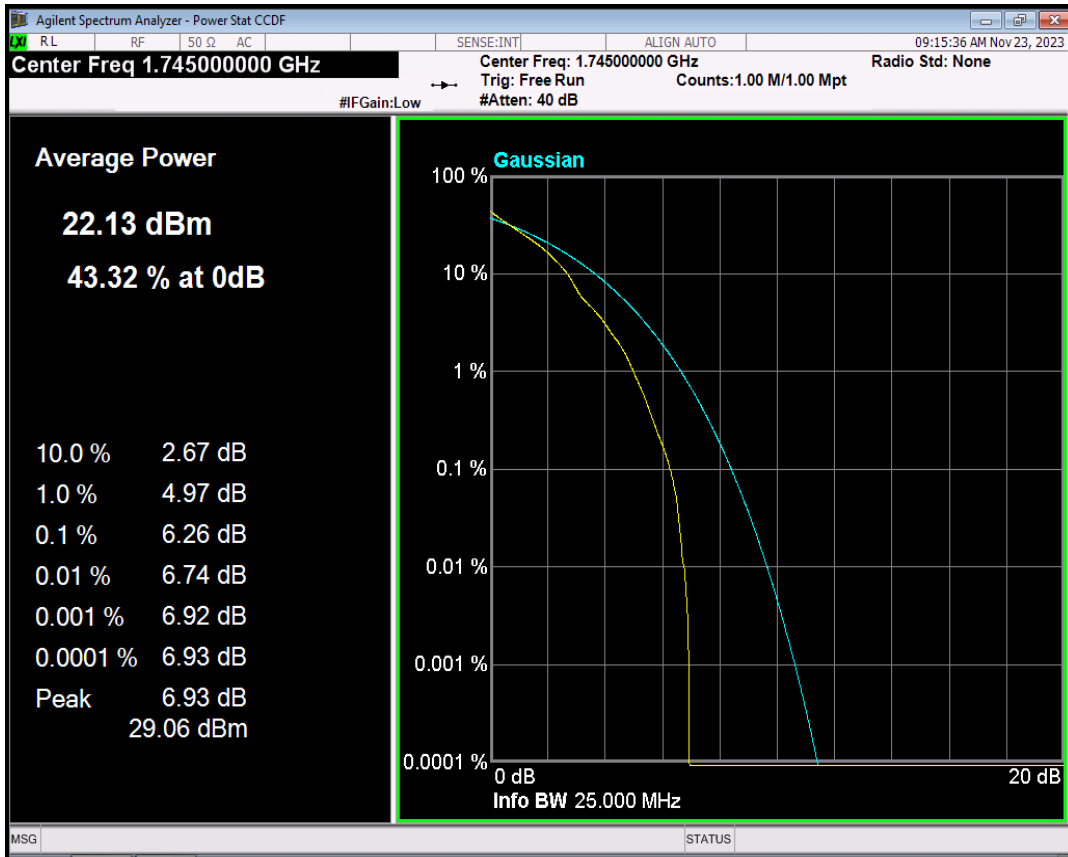
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



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



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

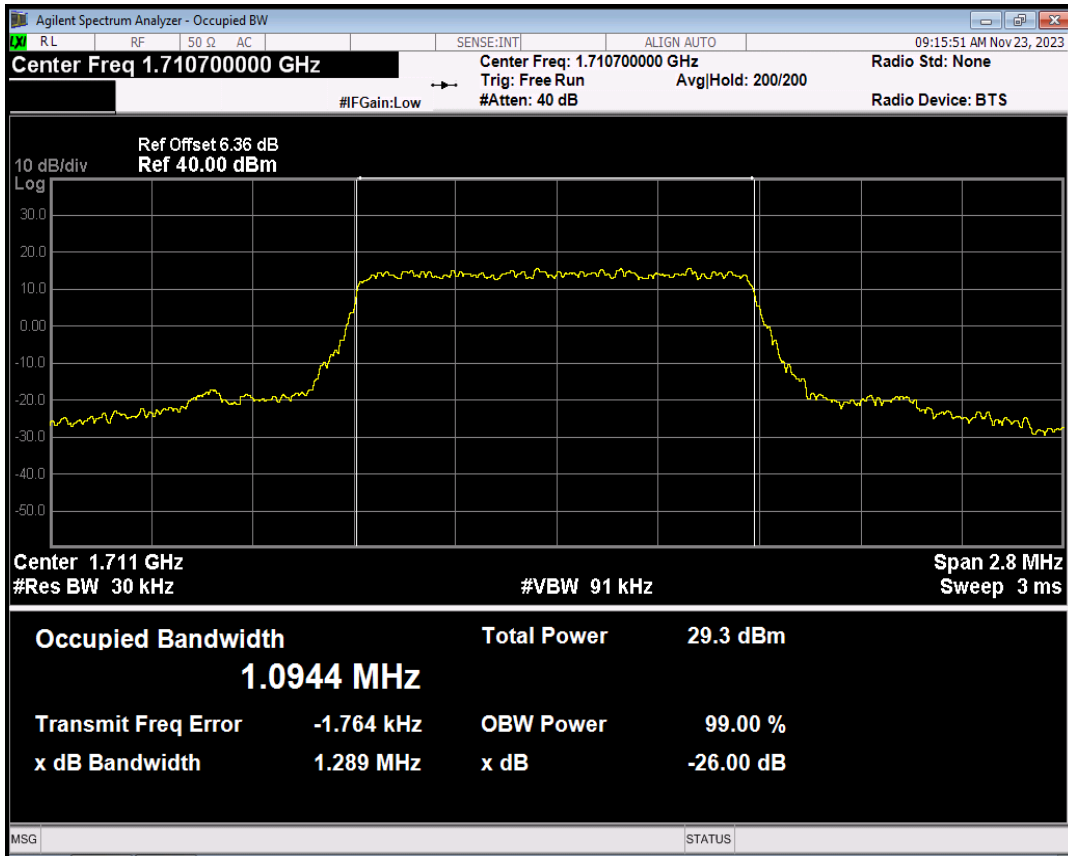


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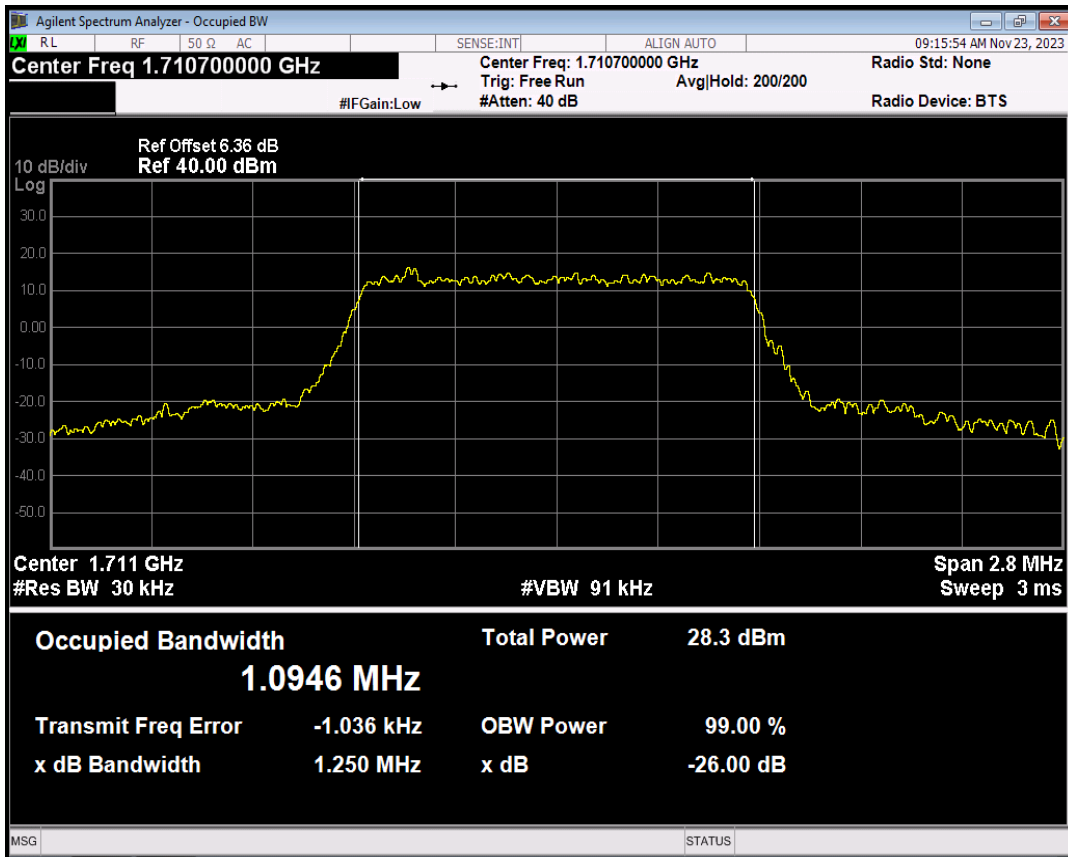
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.094	1.289	PASS
Band4	1.4	19957	6	#0	16QAM	1.095	1.250	PASS
Band4	1.4	20175	6	#0	QPSK	1.091	1.270	PASS
Band4	1.4	20175	6	#0	16QAM	1.097	1.266	PASS
Band4	1.4	20393	6	#0	QPSK	1.104	1.281	PASS
Band4	1.4	20393	6	#0	16QAM	1.101	1.283	PASS
Band4	3	19965	15	#0	QPSK	2.704	2.943	PASS
Band4	3	19965	15	#0	16QAM	2.686	2.934	PASS
Band4	3	20175	15	#0	QPSK	2.691	2.924	PASS
Band4	3	20175	15	#0	16QAM	2.693	2.949	PASS
Band4	3	20385	15	#0	QPSK	2.708	2.946	PASS
Band4	3	20385	15	#0	16QAM	2.696	2.947	PASS
Band4	5	19975	25	#0	QPSK	4.519	4.956	PASS
Band4	5	19975	25	#0	16QAM	4.502	4.914	PASS
Band4	5	20175	25	#0	QPSK	4.492	4.890	PASS
Band4	5	20175	25	#0	16QAM	4.504	4.947	PASS
Band4	5	20375	25	#0	QPSK	4.511	4.935	PASS
Band4	5	20375	25	#0	16QAM	4.514	4.946	PASS
Band4	10	20000	50	#0	QPSK	8.959	9.743	PASS
Band4	10	20175	50	#0	QPSK	8.925	9.649	PASS
Band4	10	20350	50	#0	QPSK	8.958	9.674	PASS
Band4	15	20025	75	#0	QPSK	13.488	14.520	PASS
Band4	15	20175	75	#0	QPSK	13.342	14.255	PASS
Band4	15	20325	75	#0	QPSK	13.433	14.435	PASS
Band4	20	20050	100	#0	QPSK	18.008	19.170	PASS
Band4	20	20175	100	#0	QPSK	17.760	18.930	PASS
Band4	20	20300	100	#0	QPSK	17.996	19.160	PASS

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

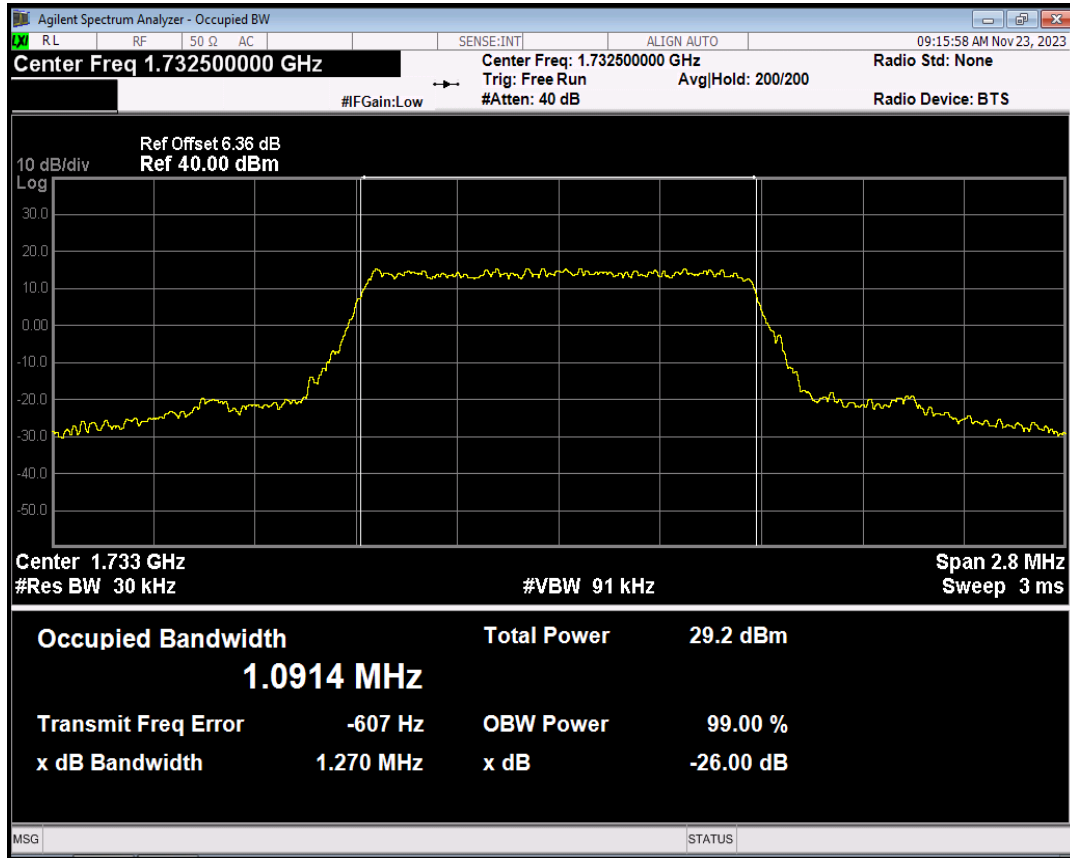


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



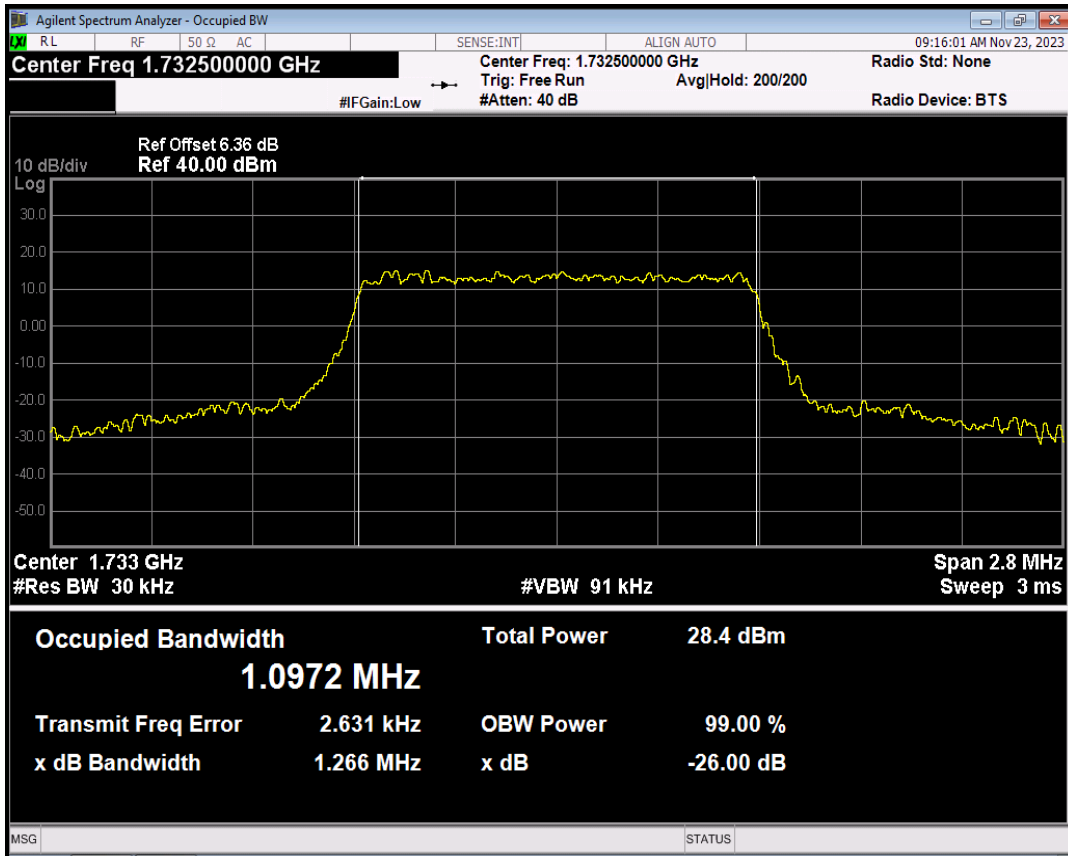


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

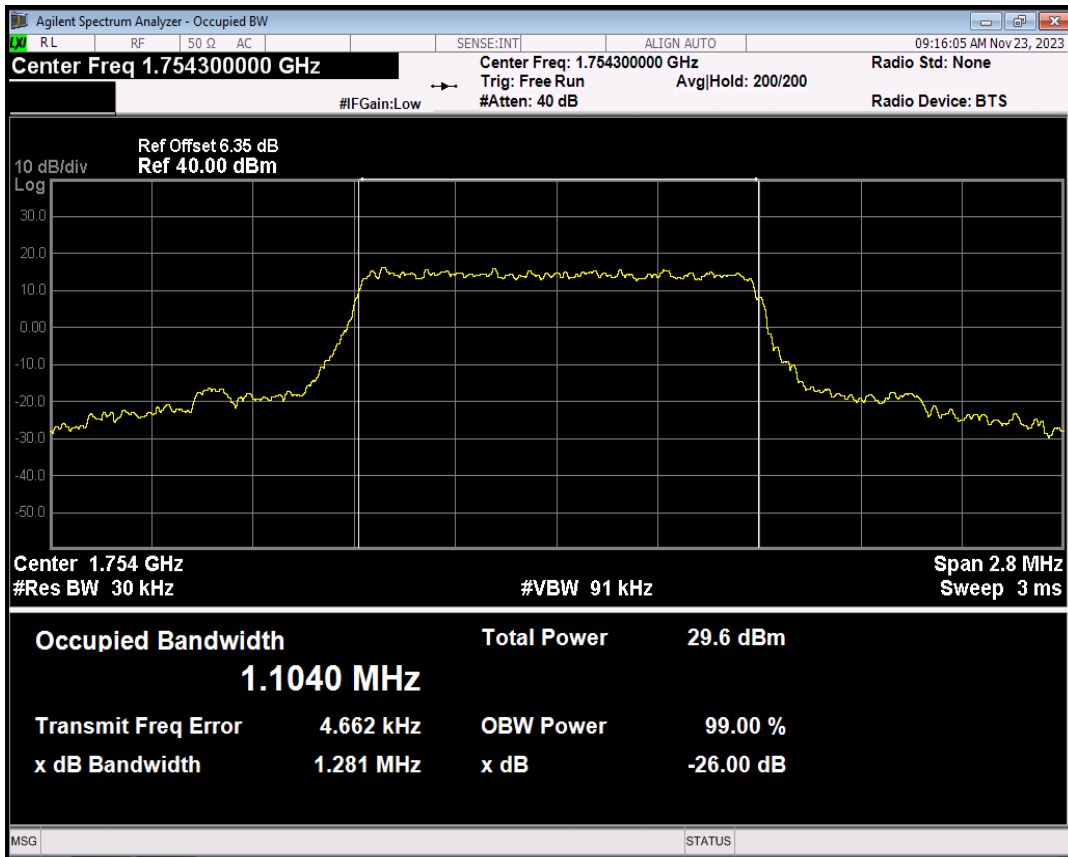


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

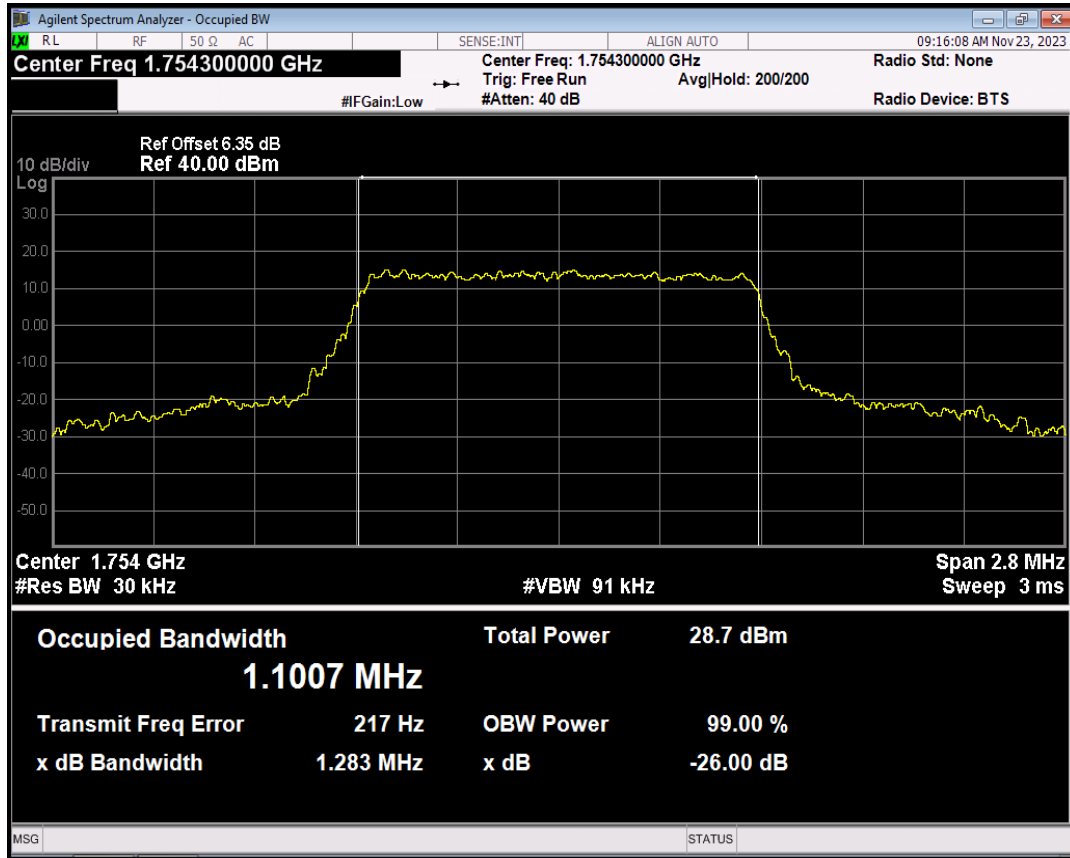
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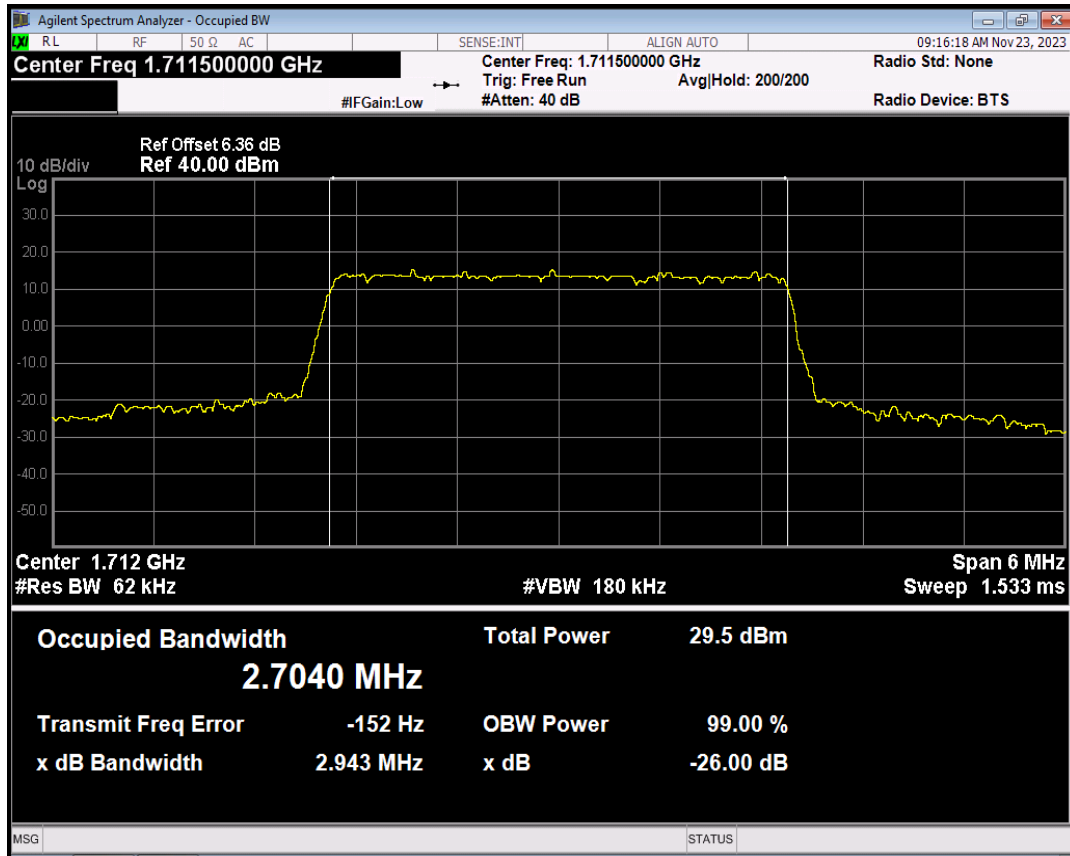
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



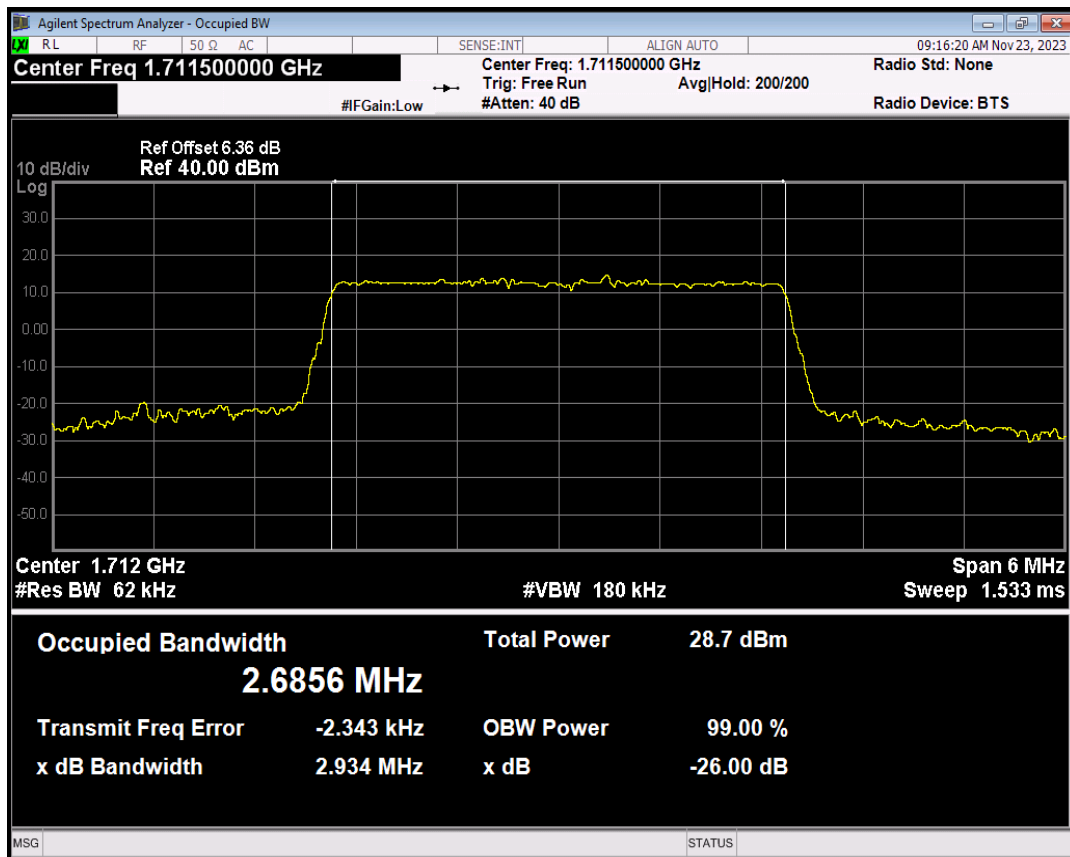
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



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

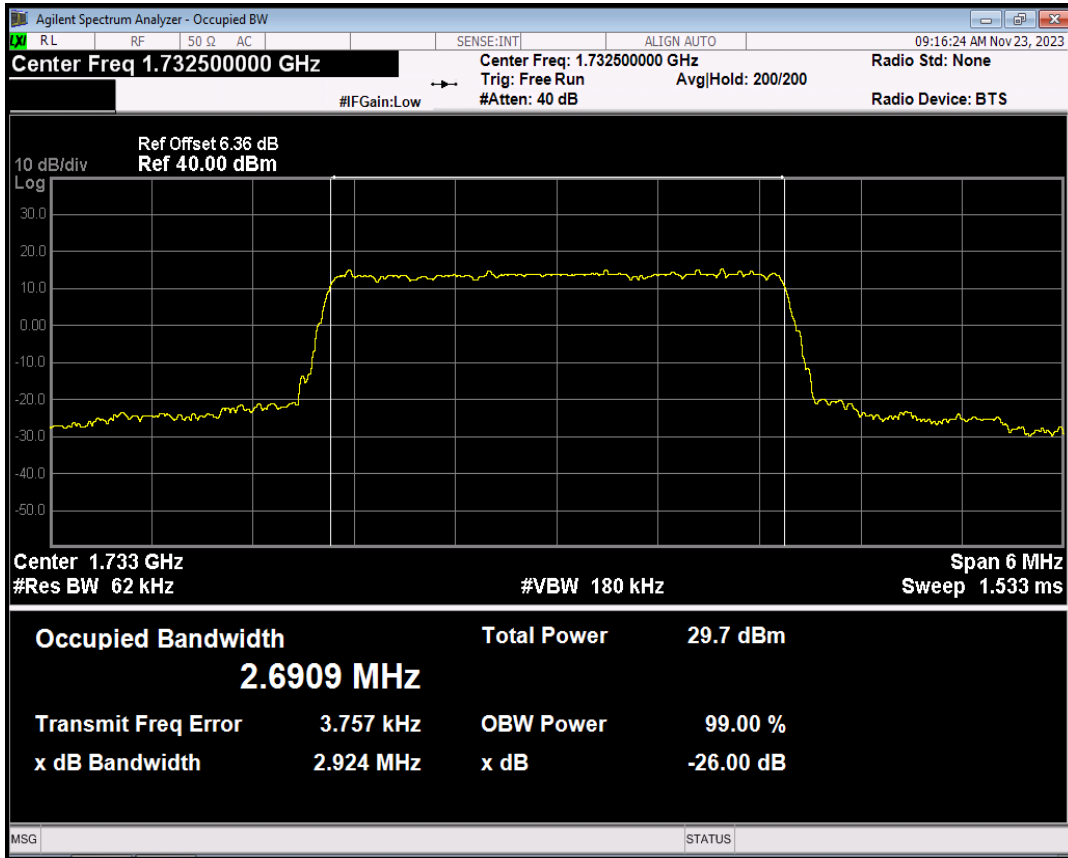


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

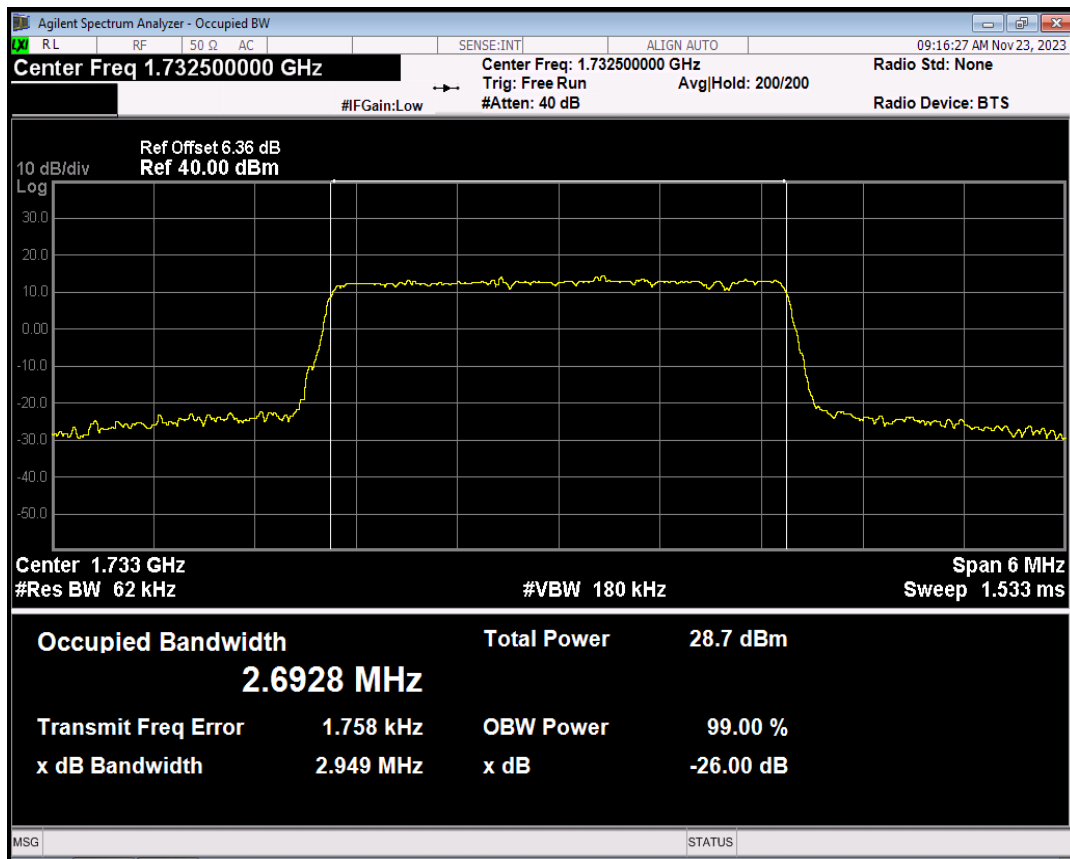




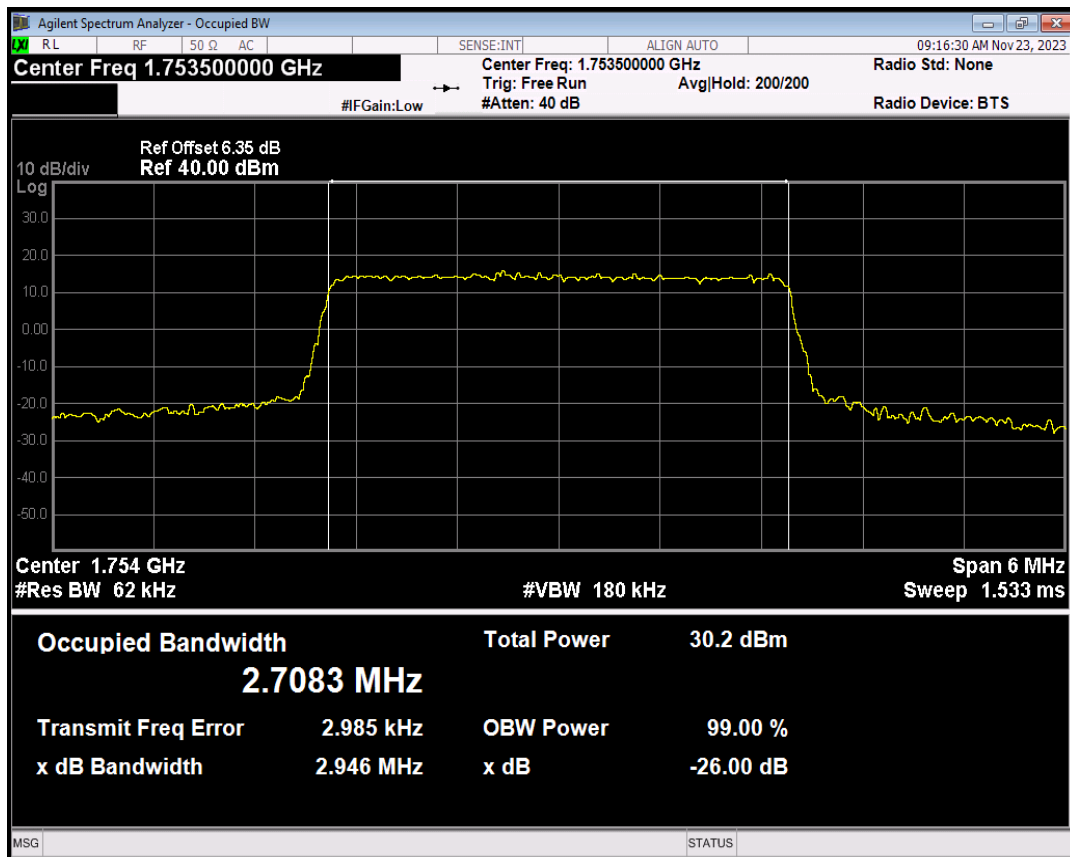
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



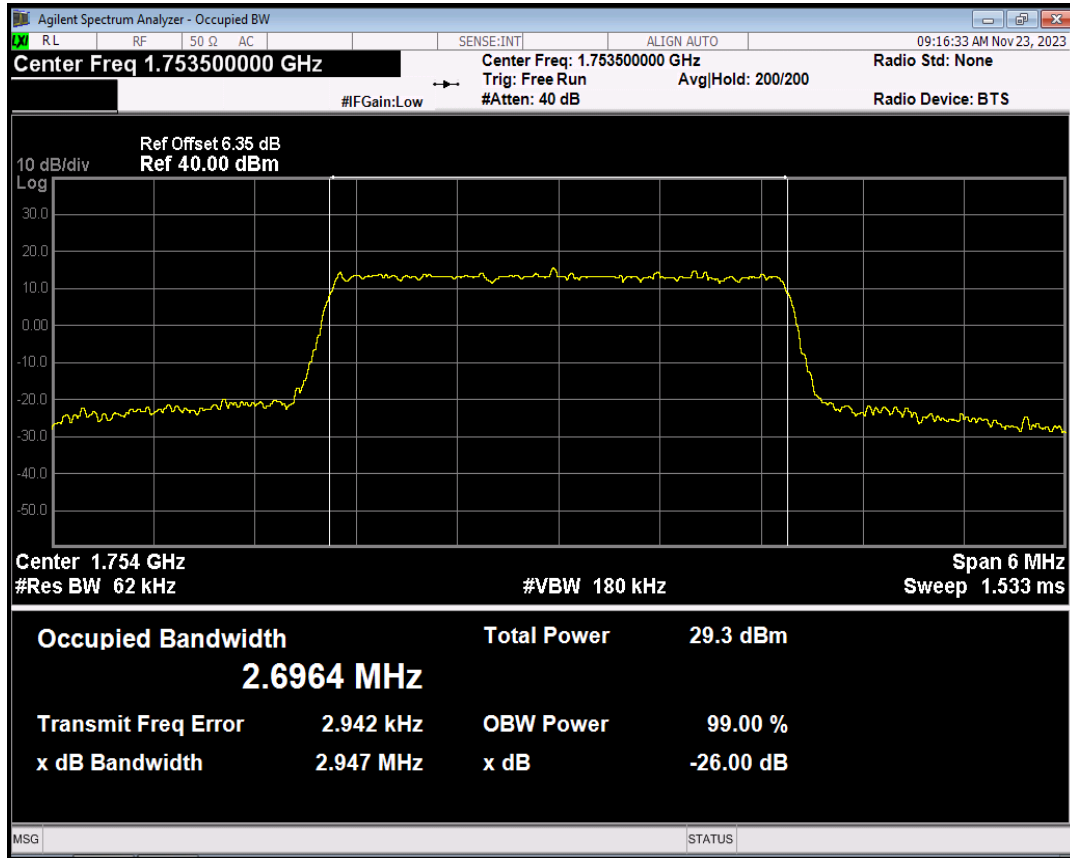
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



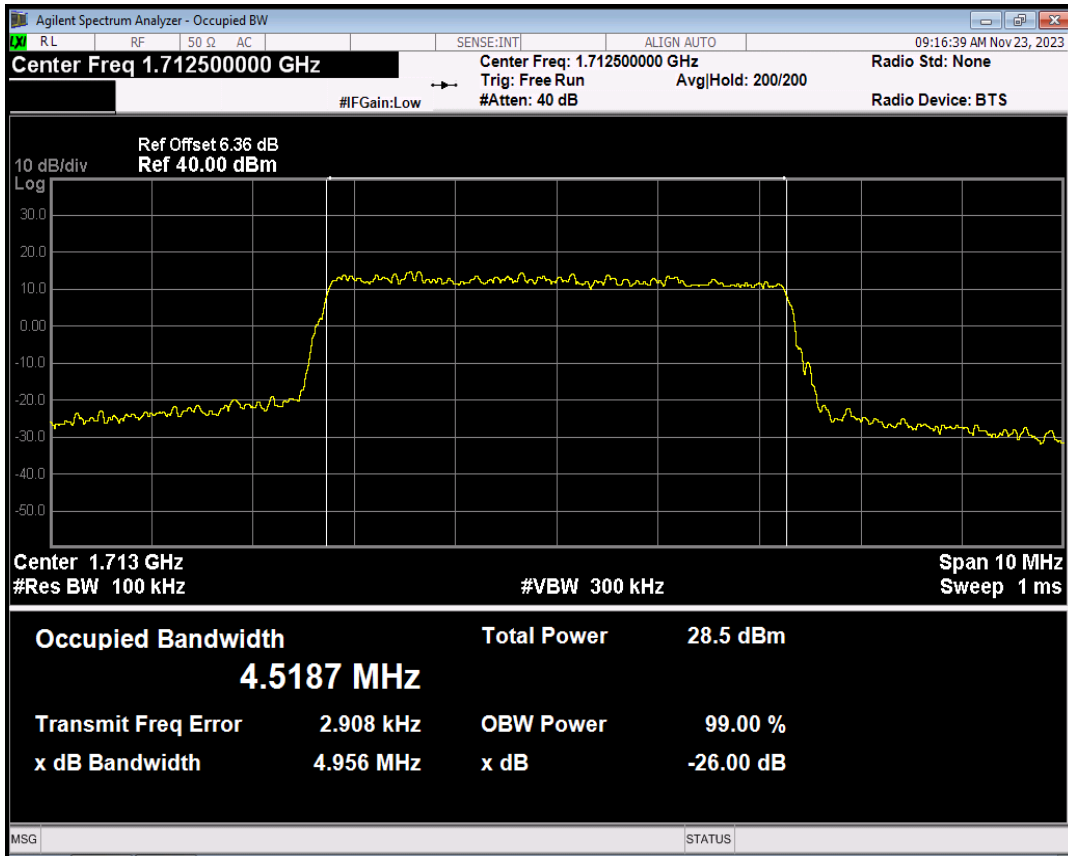
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



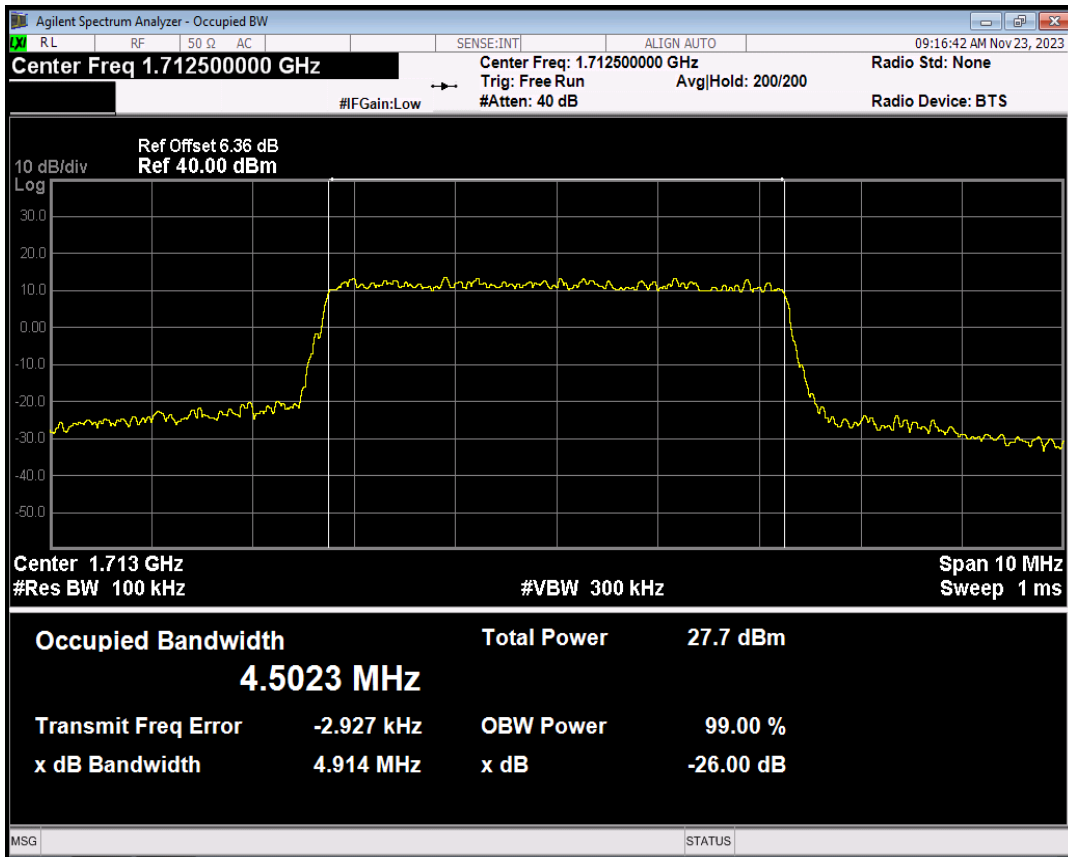
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



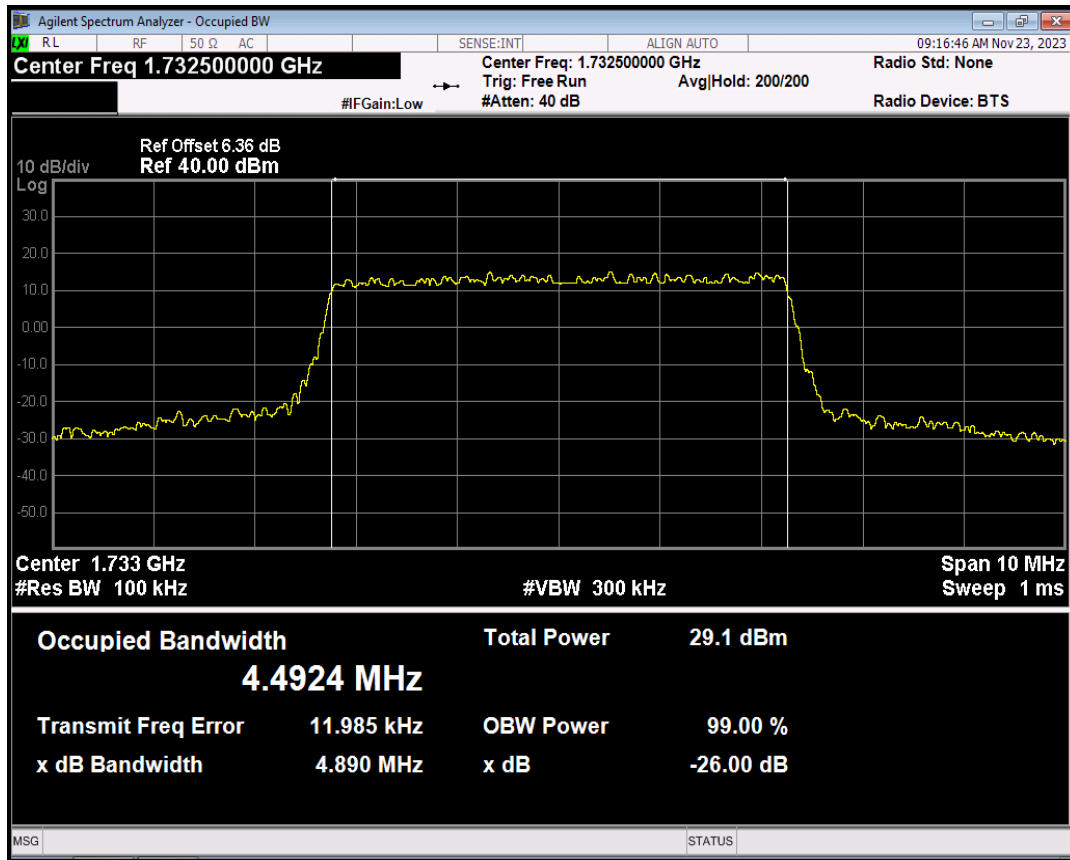
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



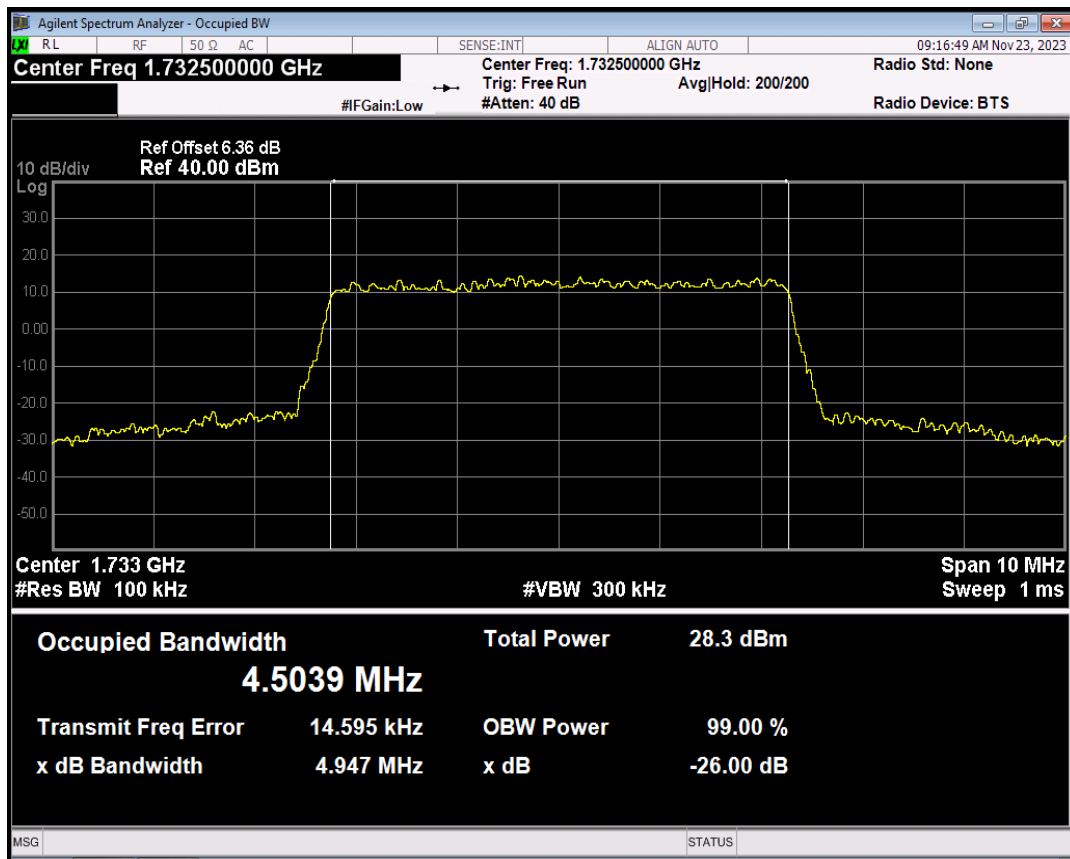
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



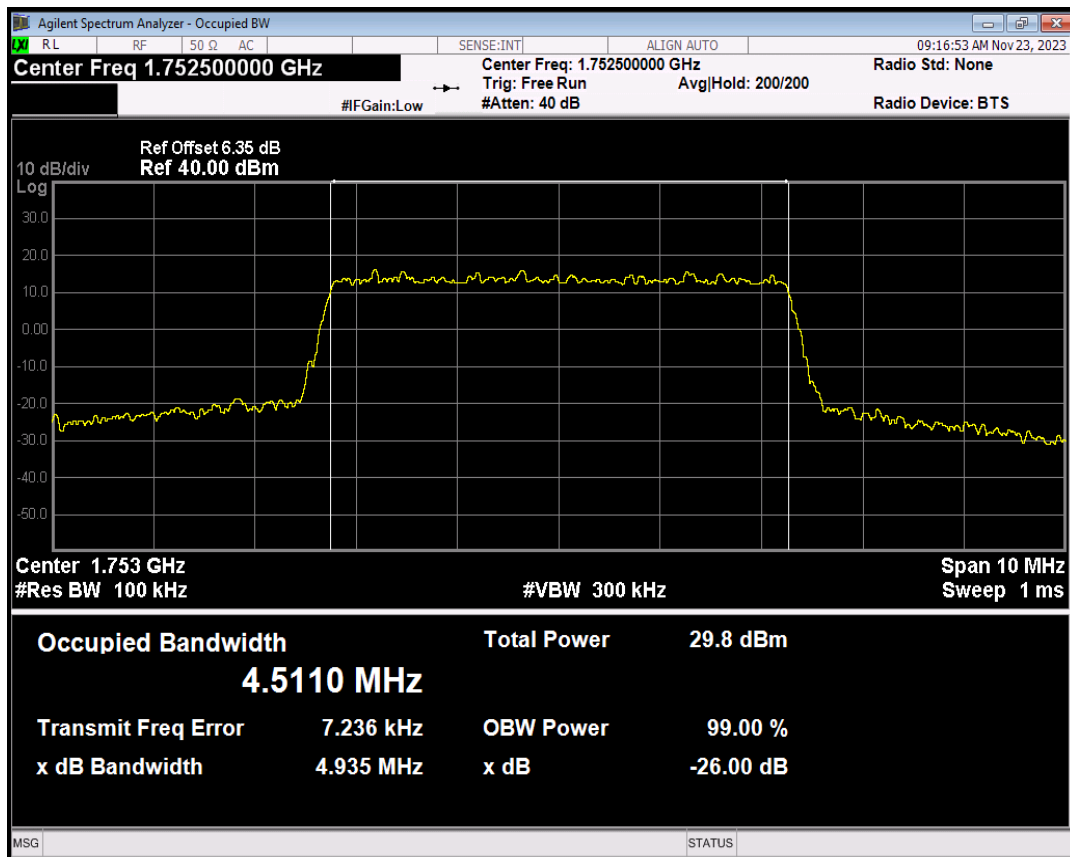
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



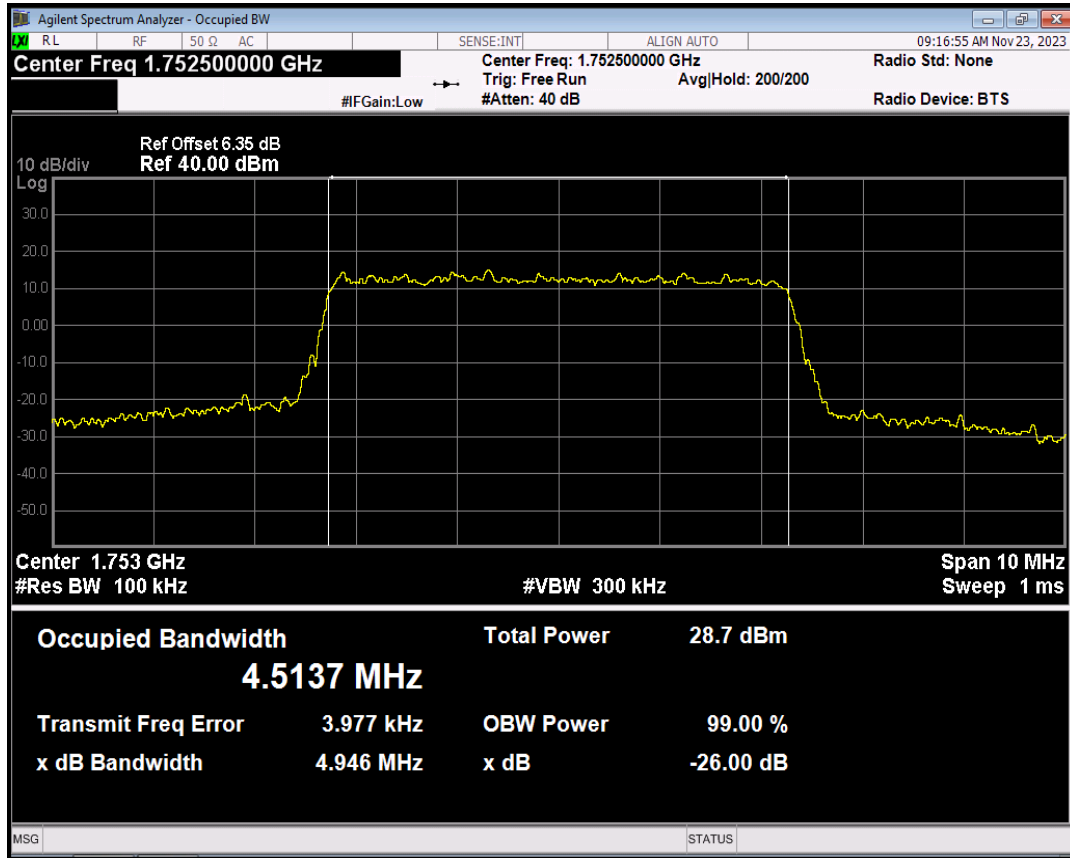
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



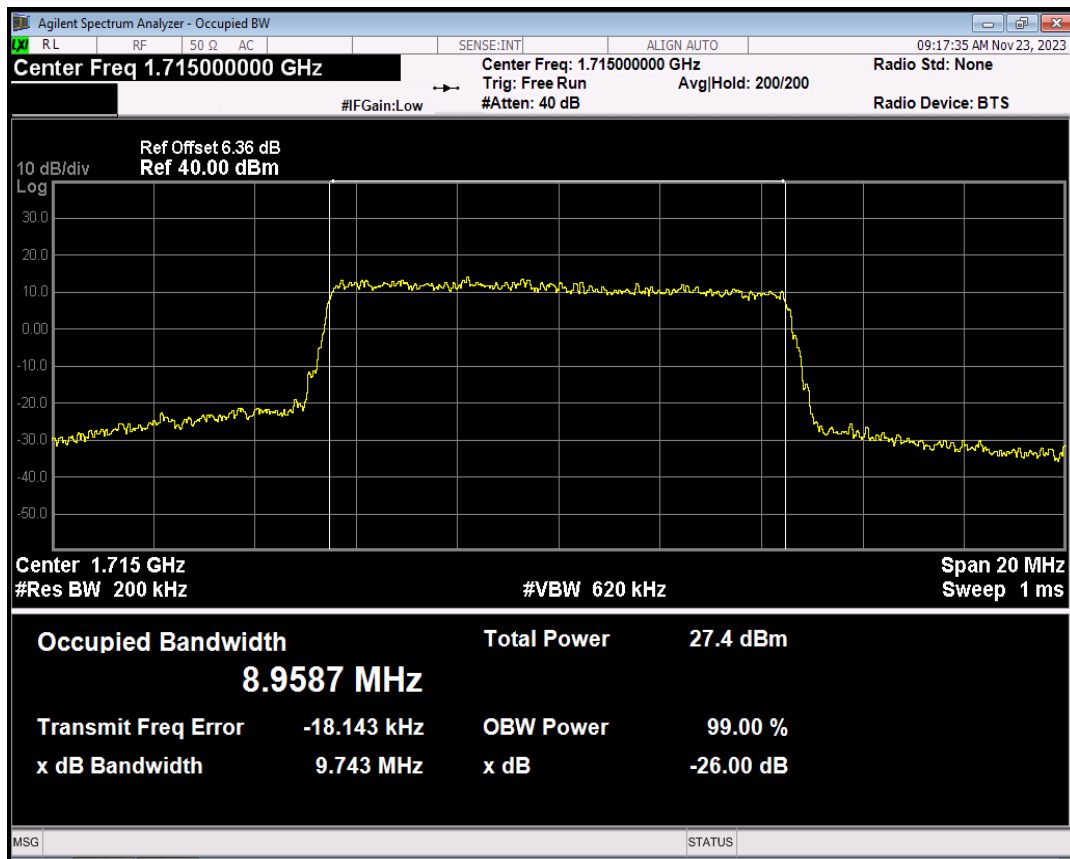
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



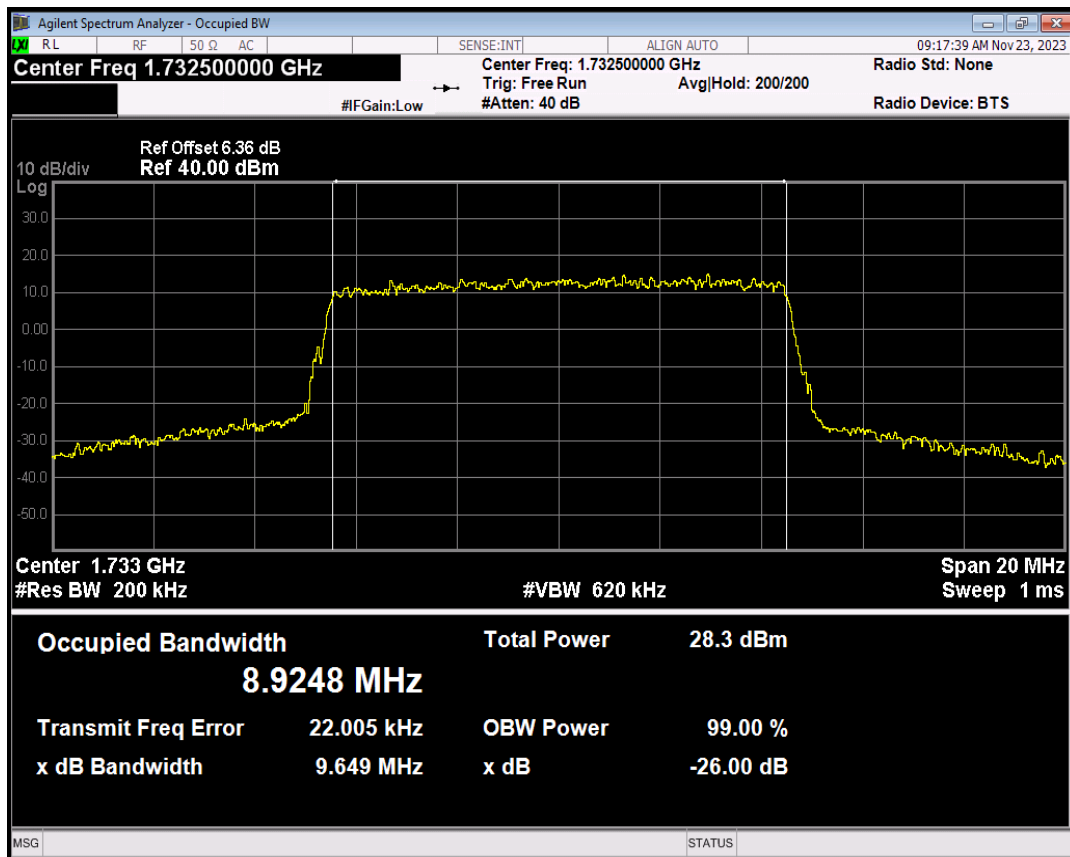
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



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

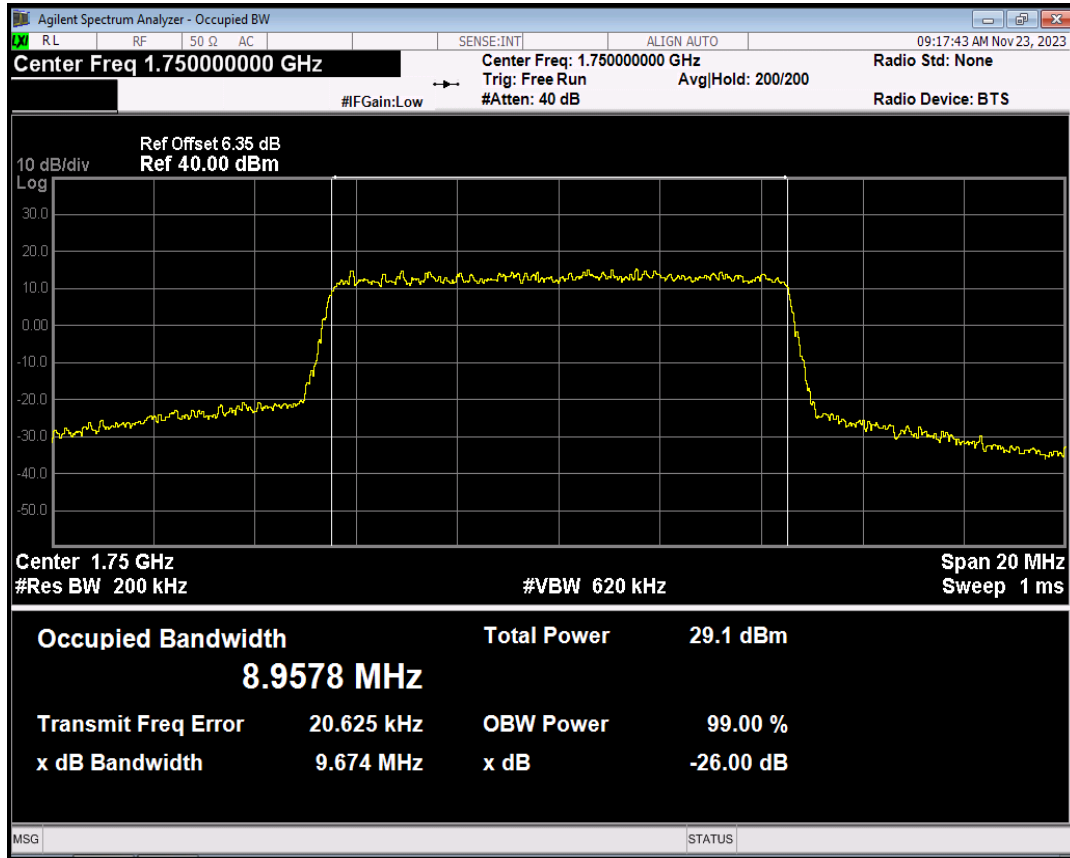


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



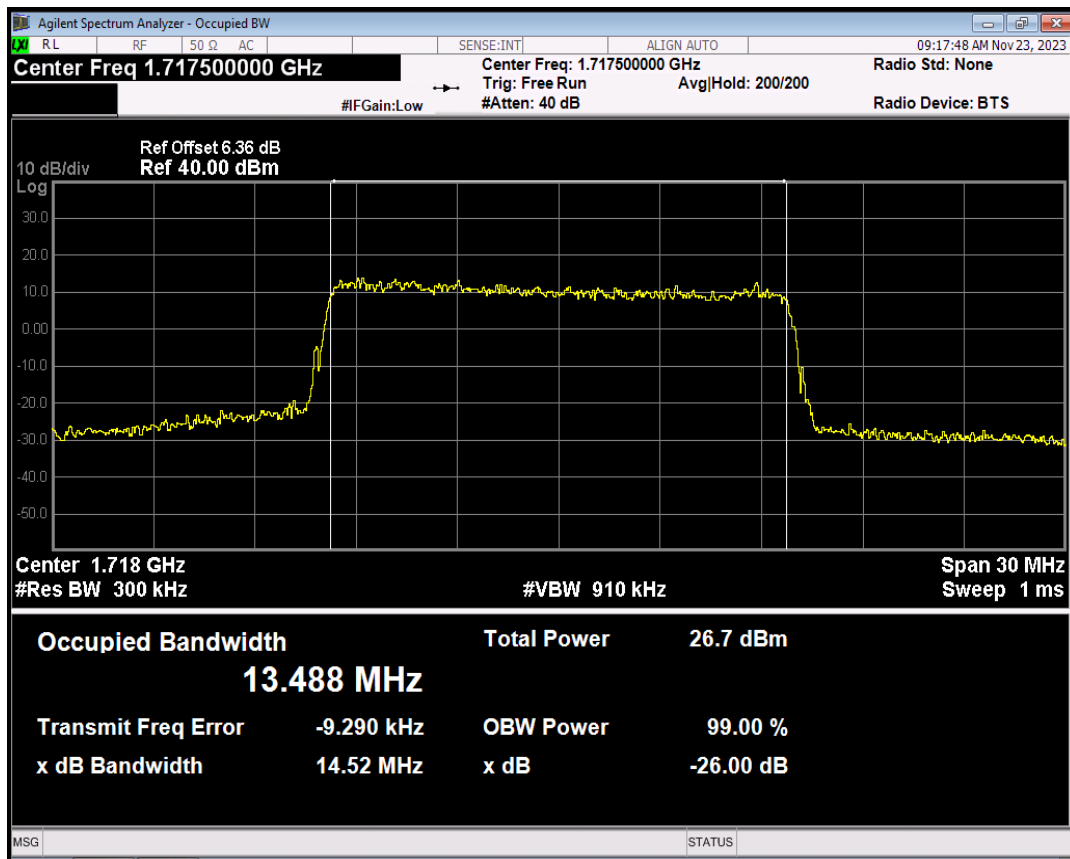


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

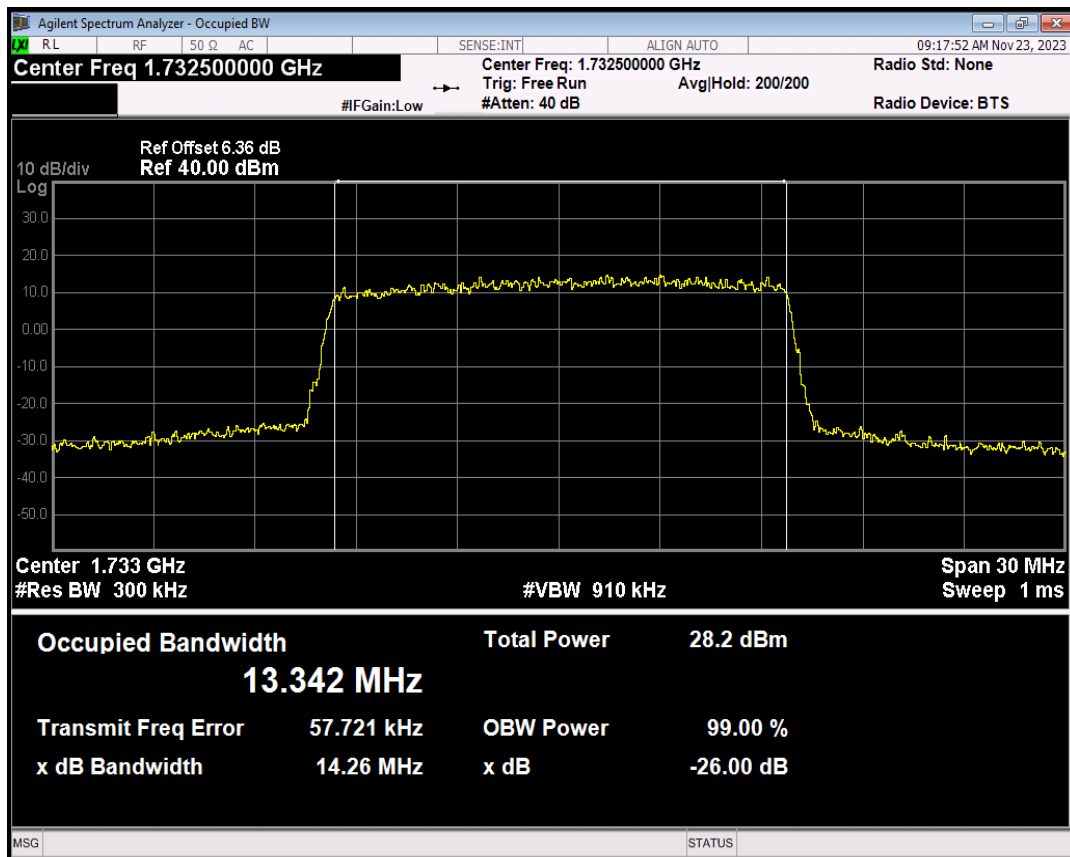


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

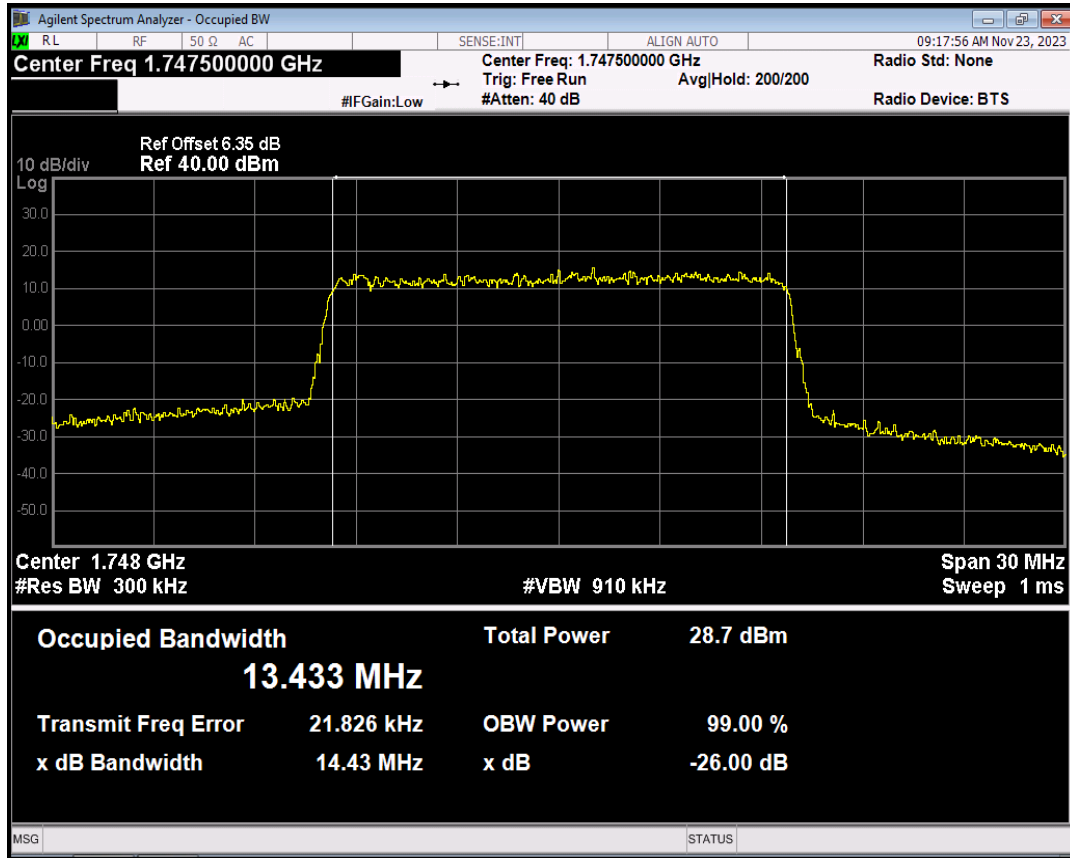
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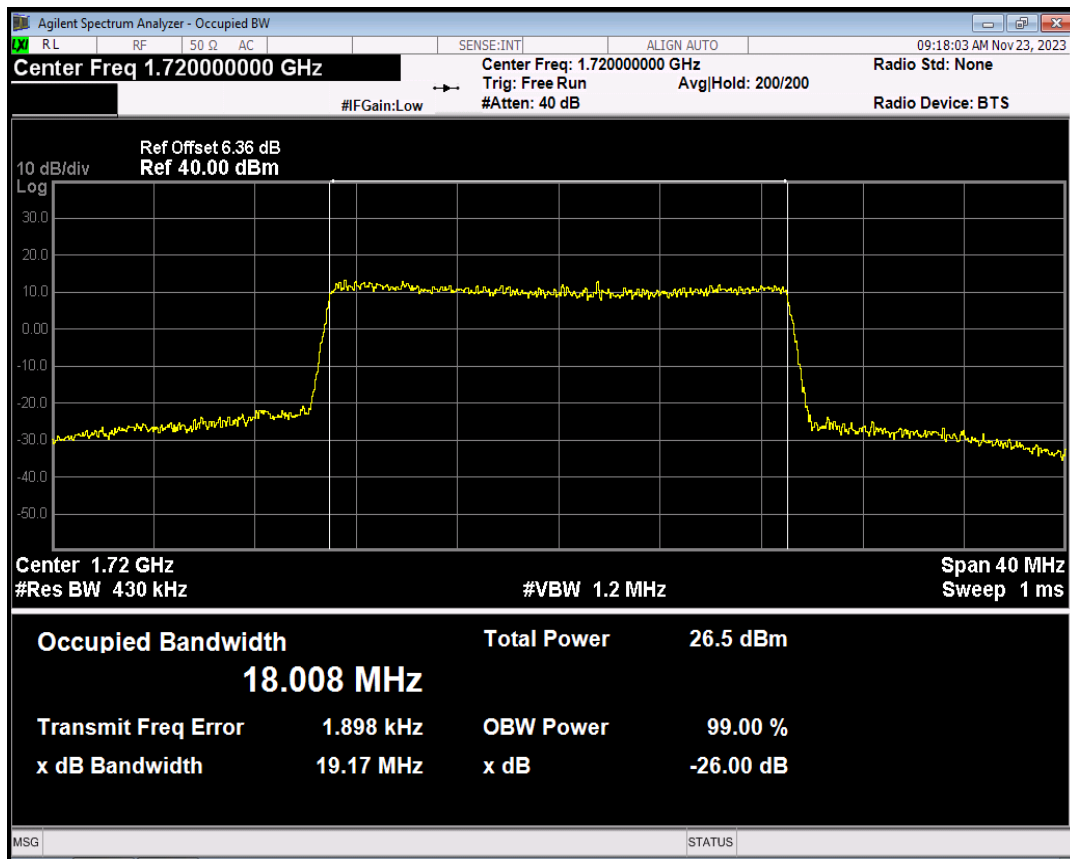
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



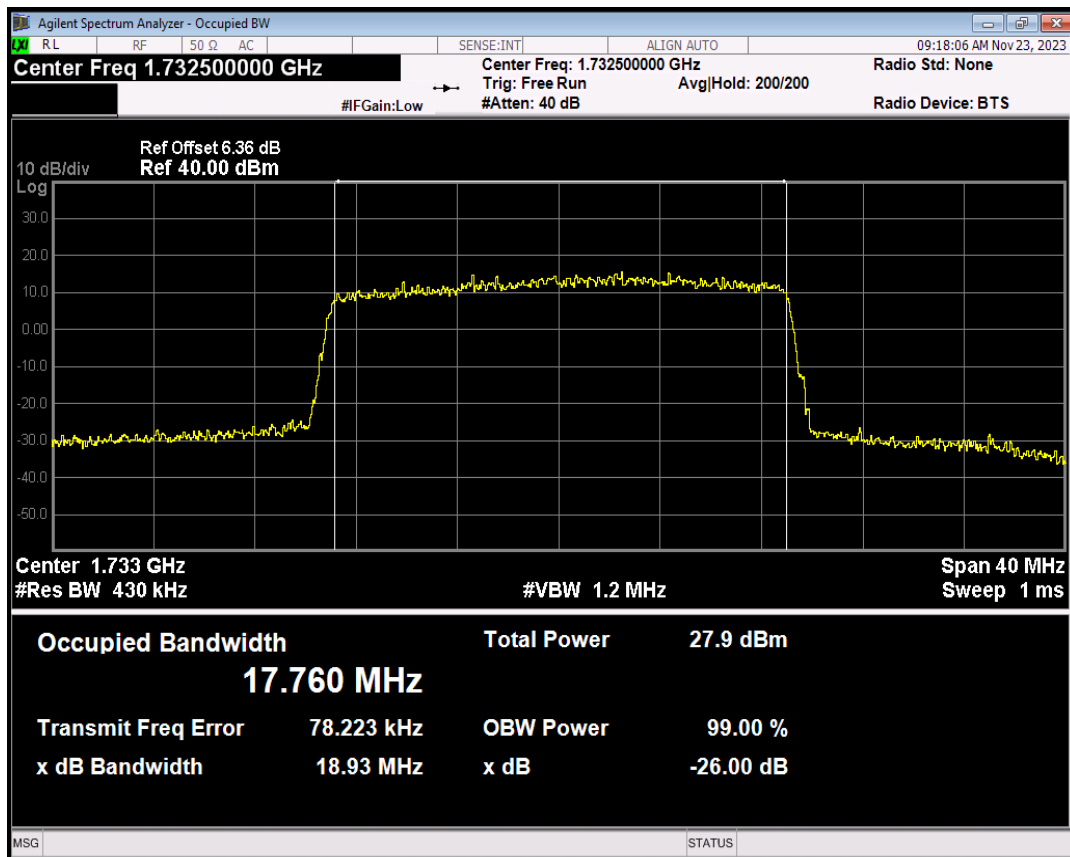
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



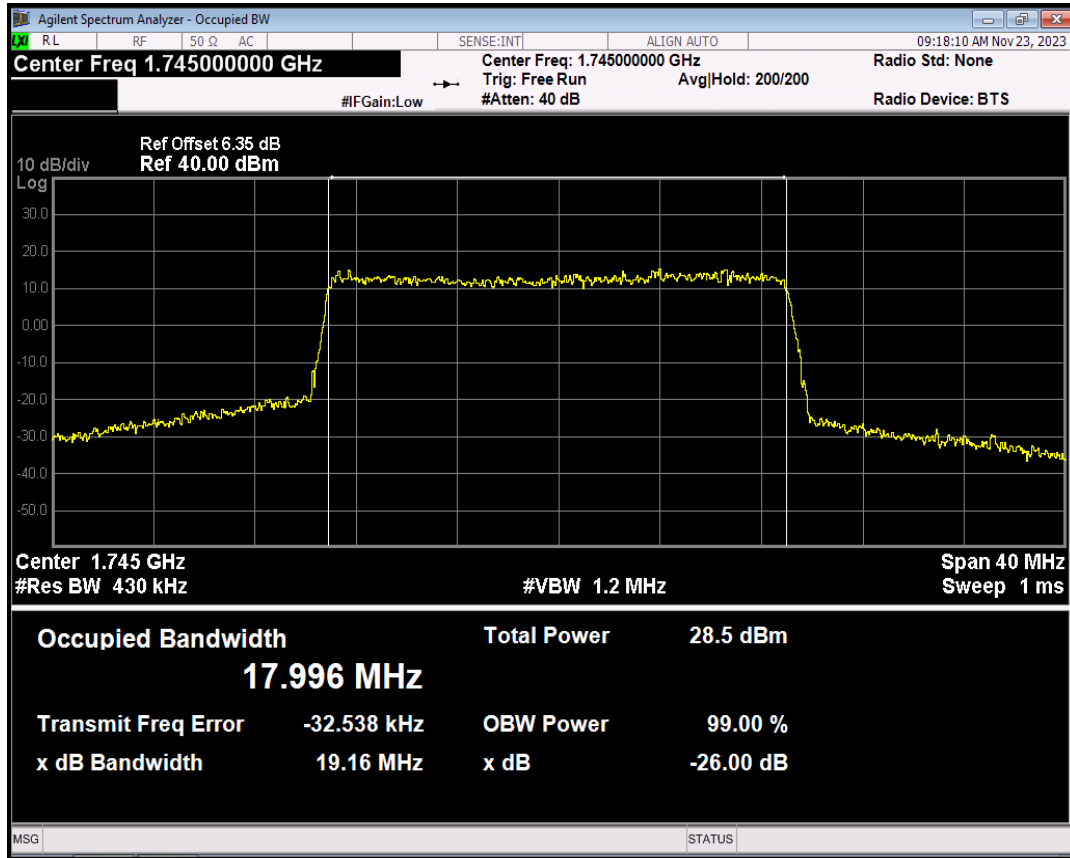
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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



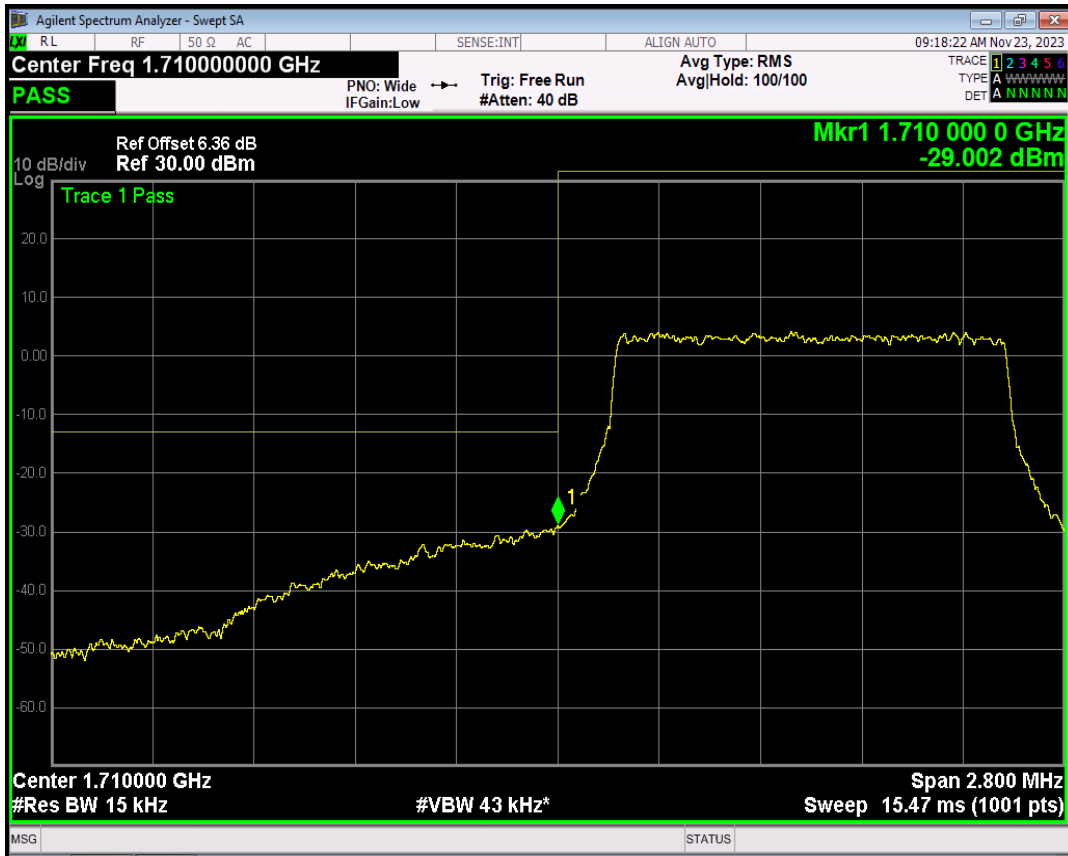
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



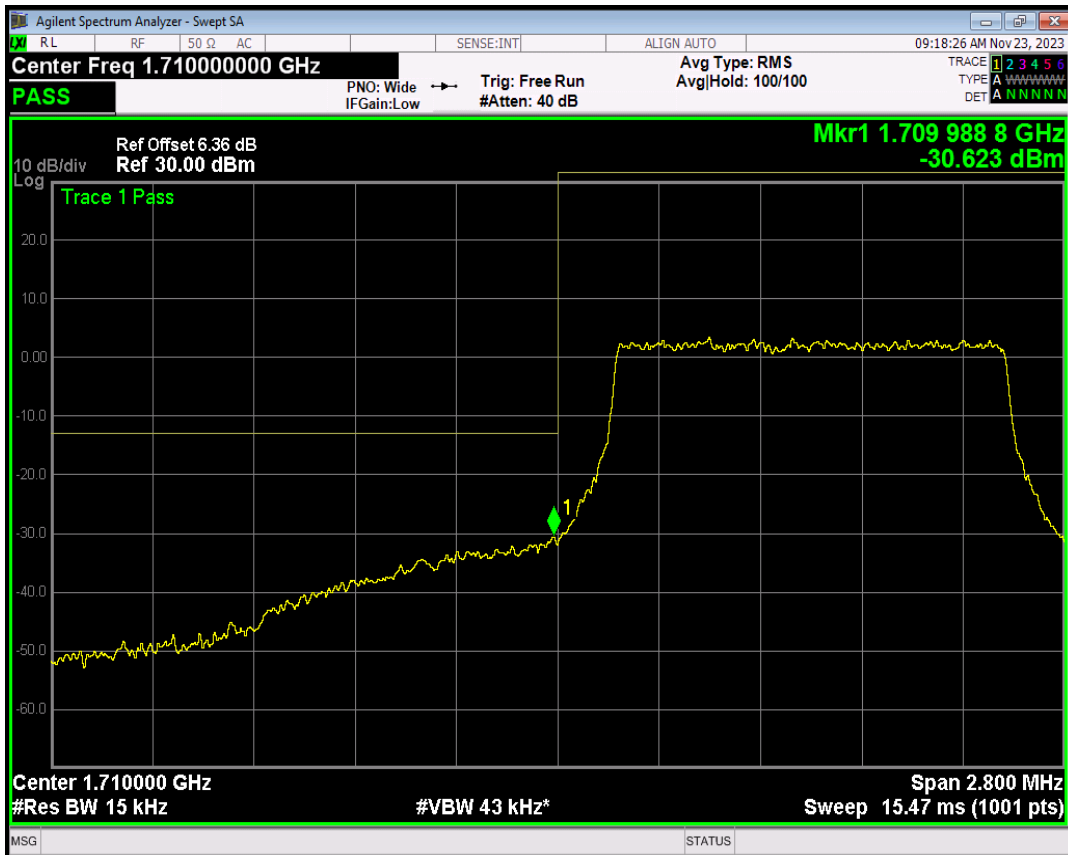
Appendix 5. Band edge

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	-29.00	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.99	-30.62	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.01	-27.87	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.01	-29.11	-13	PASS
Band4	3	19965	15	#0	QPSK	1709.99	-28.88	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-30.92	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-29.44	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-30.05	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-29.65	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-31.71	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.01	-30.10	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-32.08	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.90	-32.45	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.02	-34.79	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.37	-32.91	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.63	-35.38	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.88	-33.55	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.08	-37.43	-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



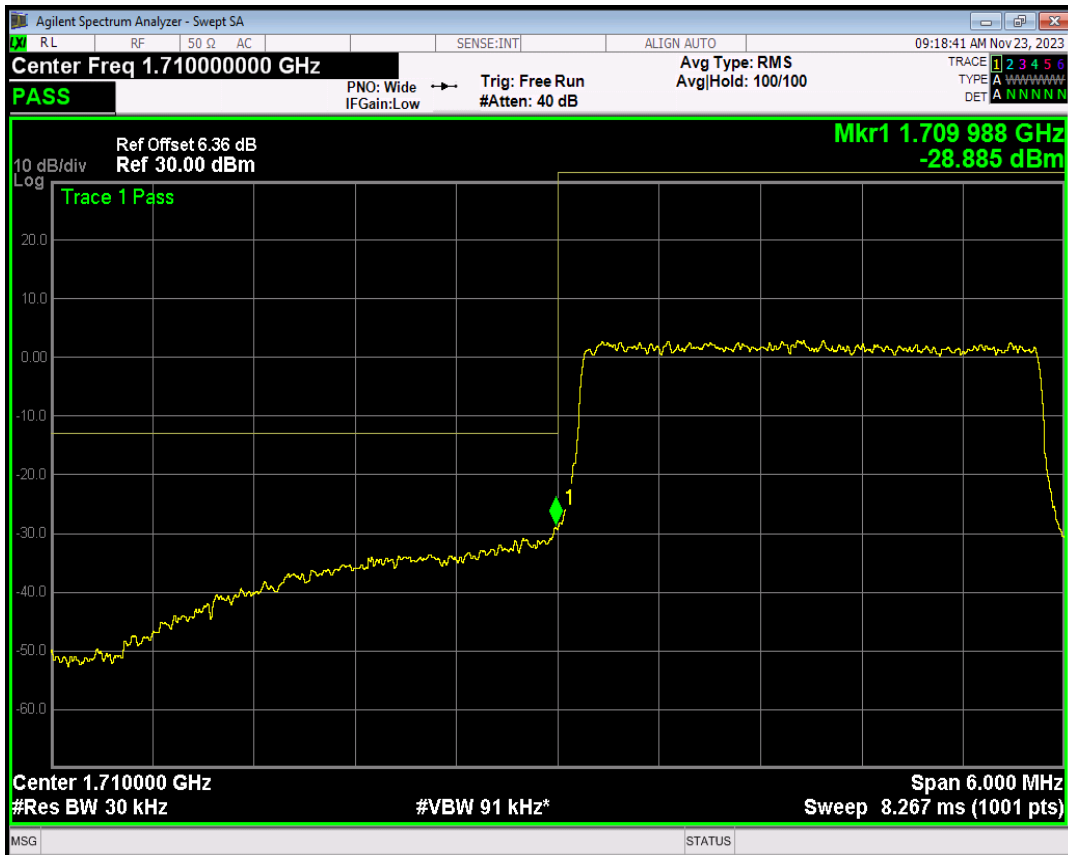
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



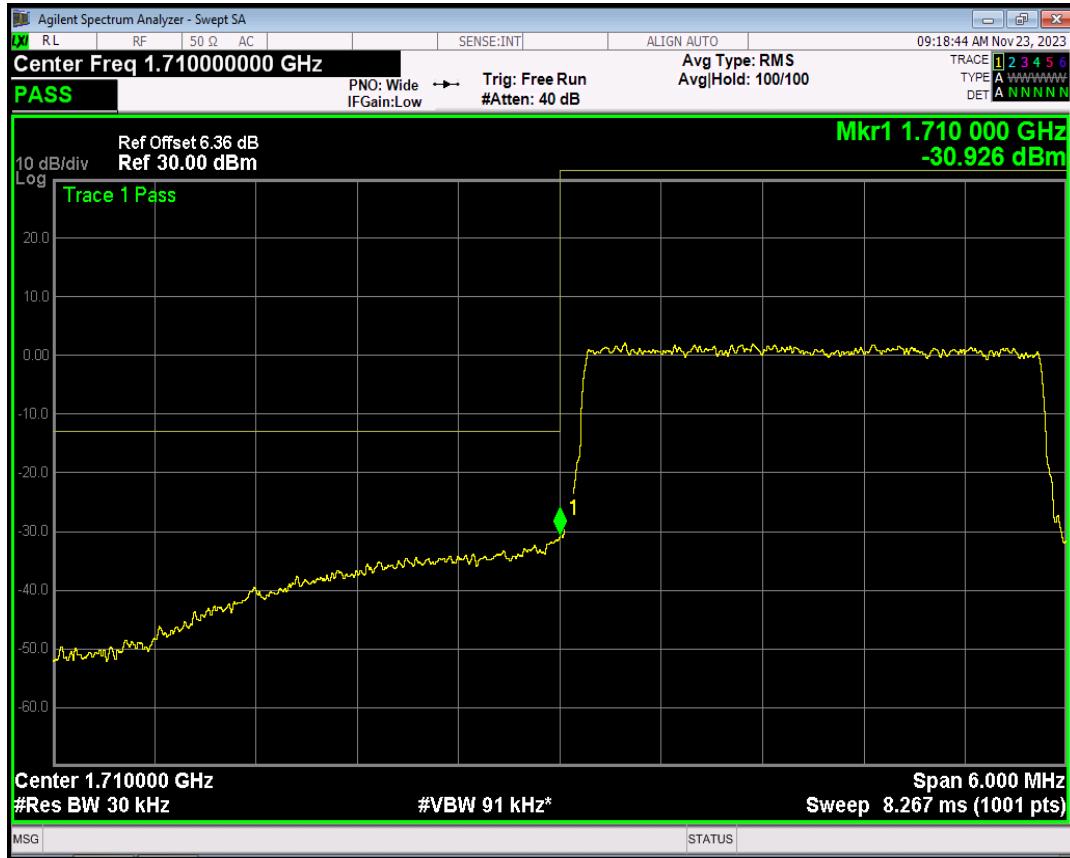
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



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

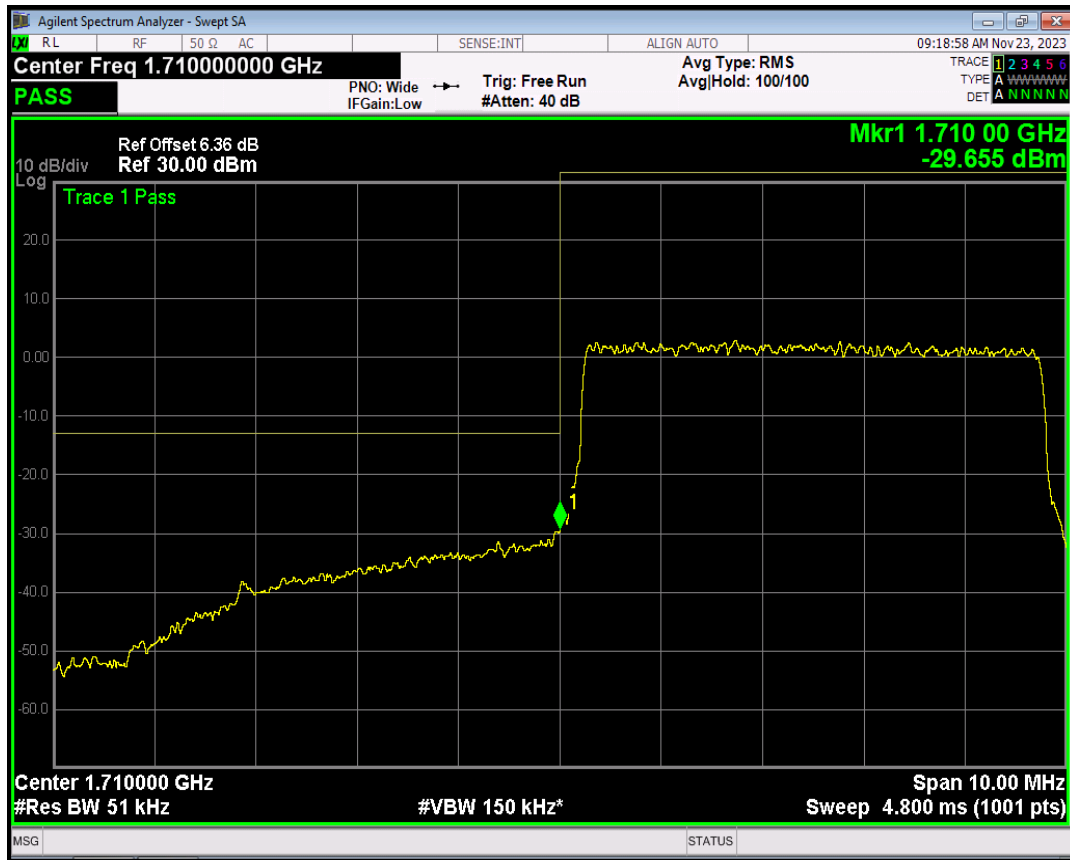


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

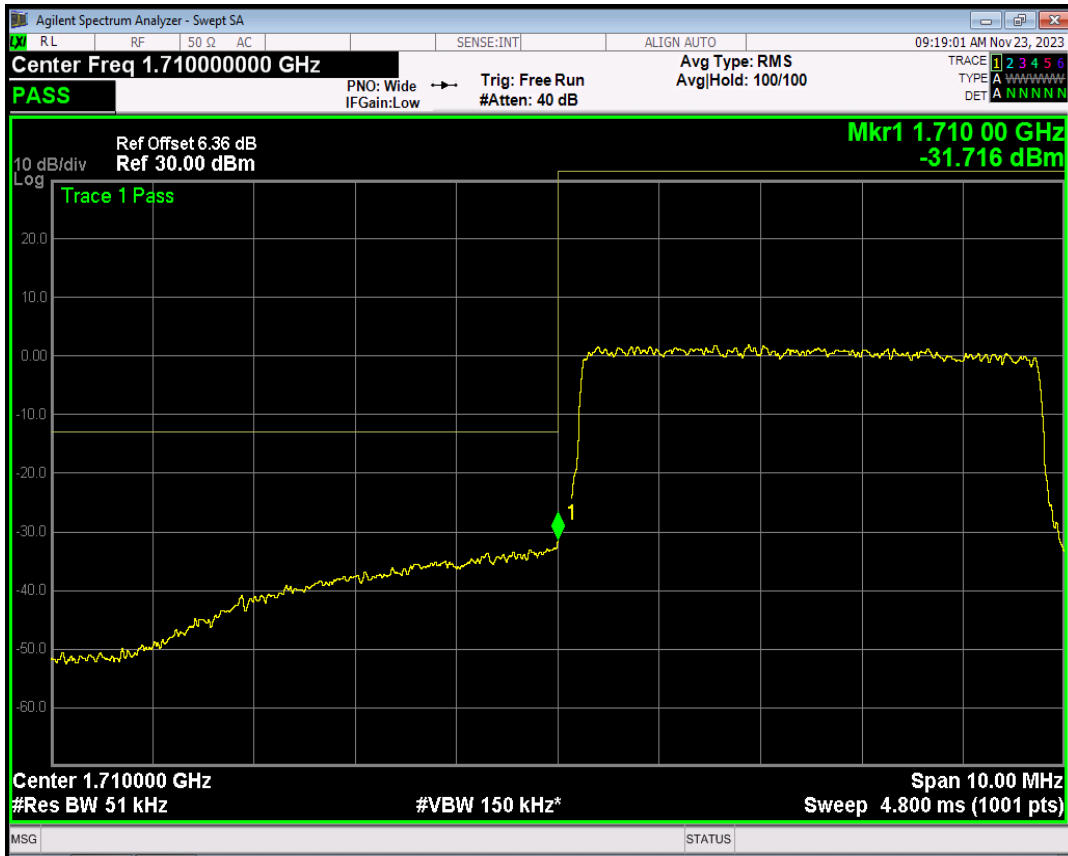




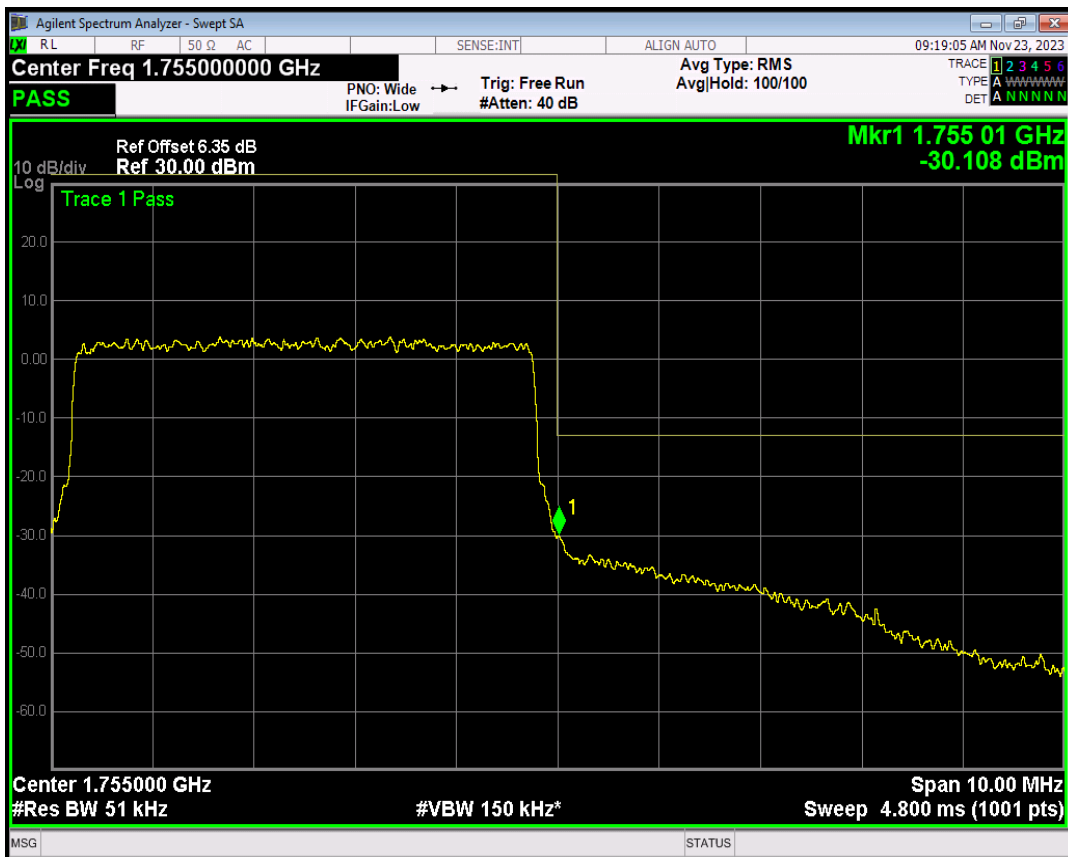
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



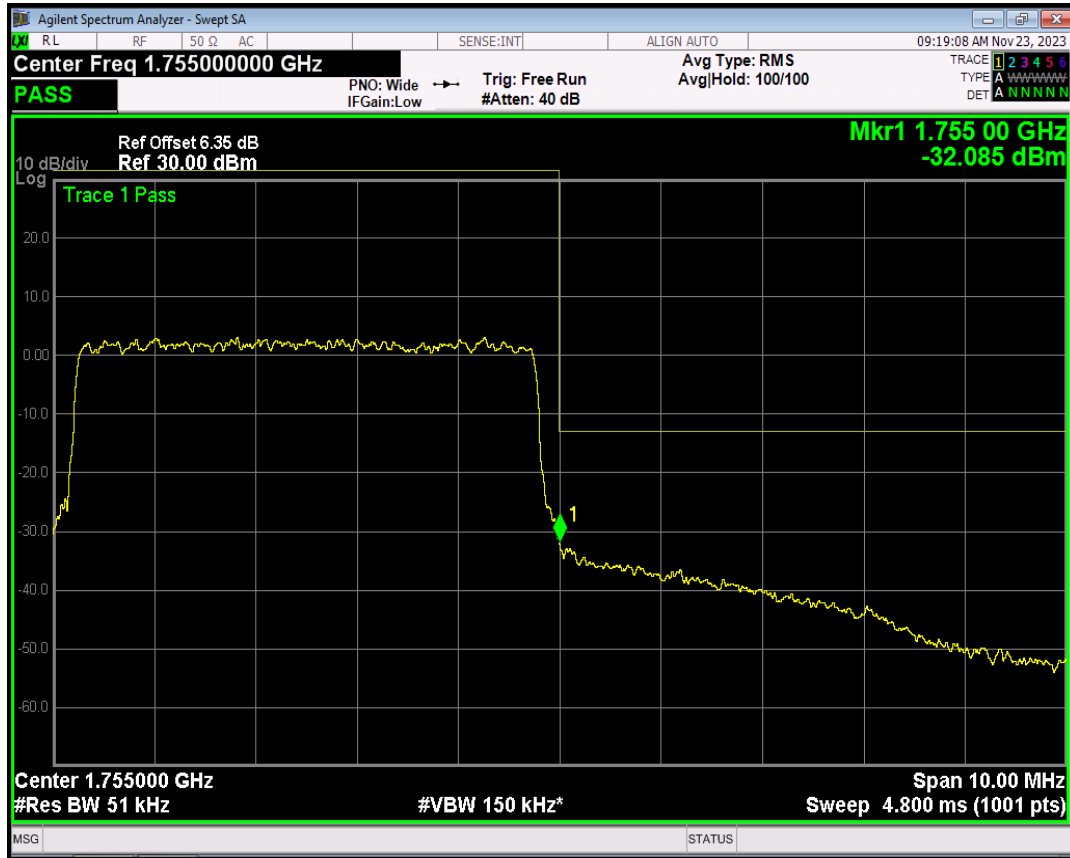
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



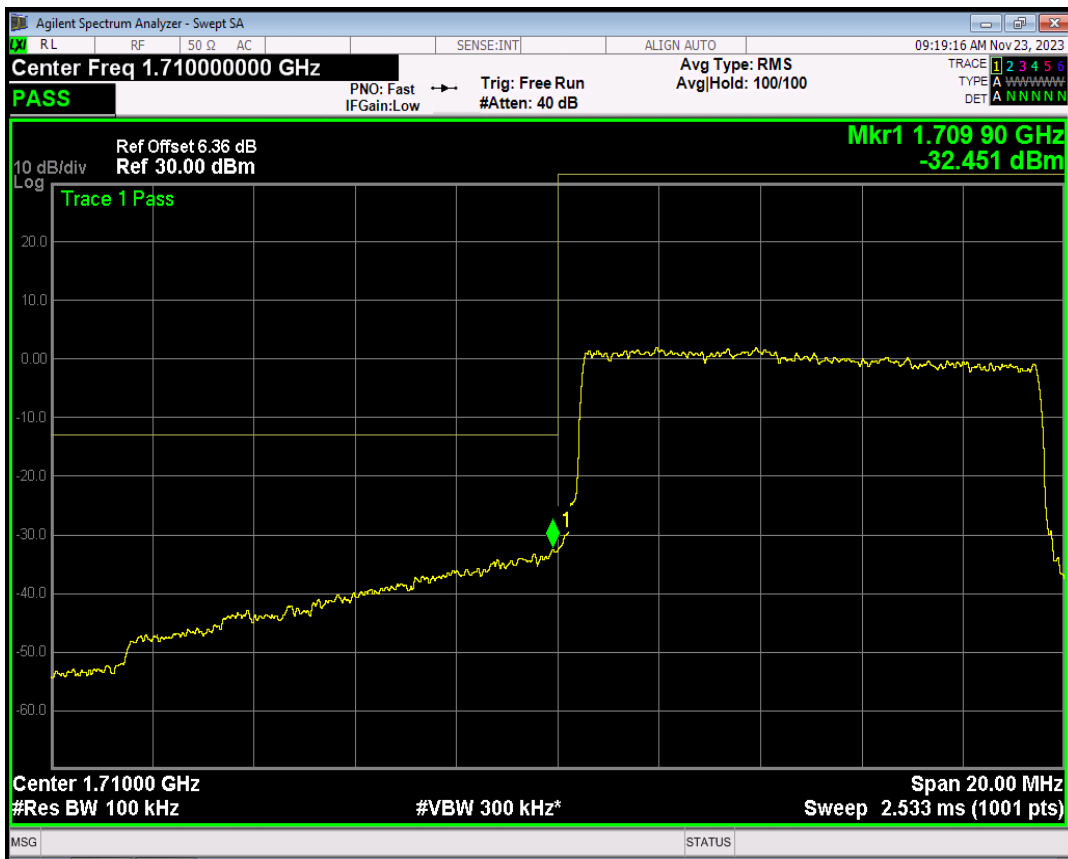
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



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



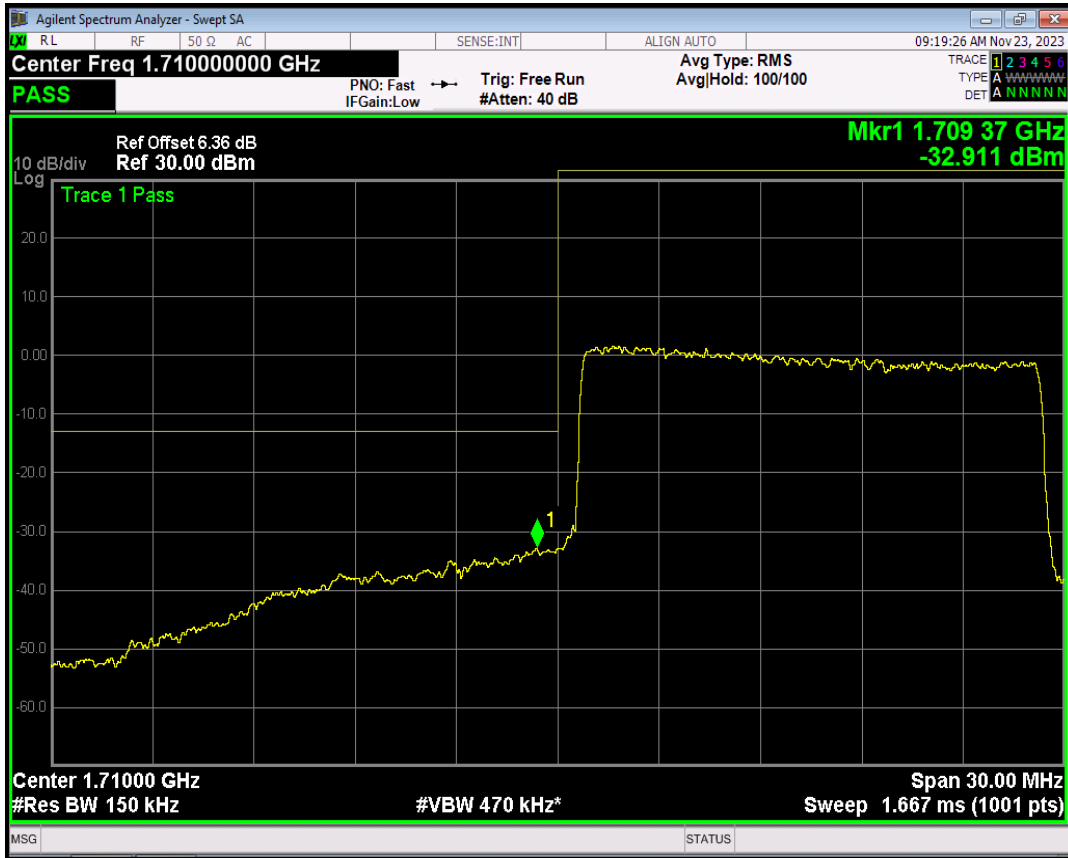
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



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



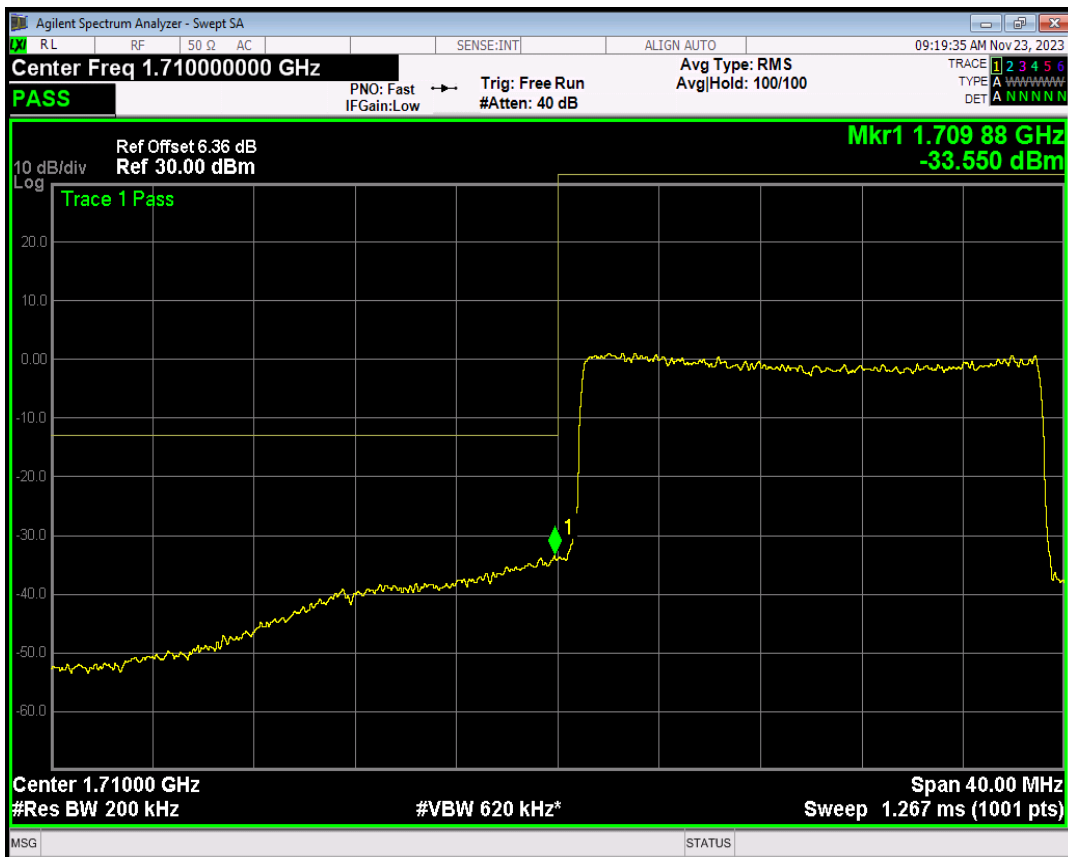
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



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



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



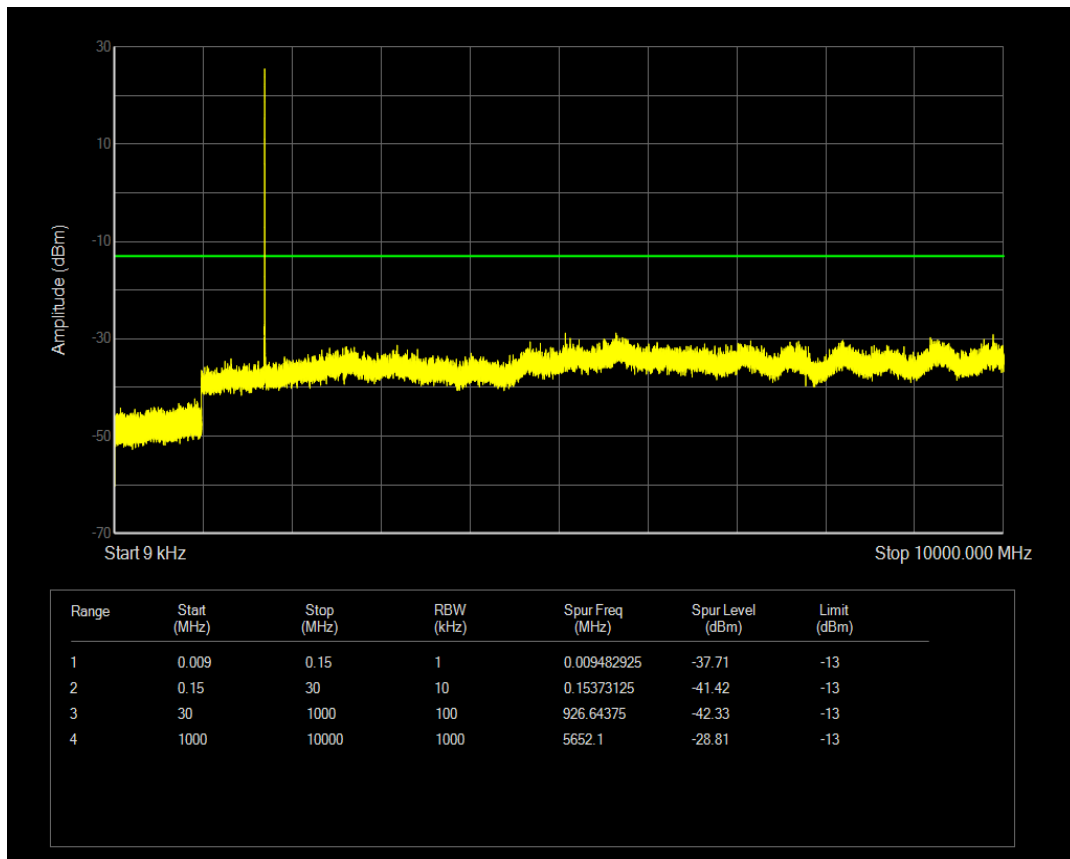
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



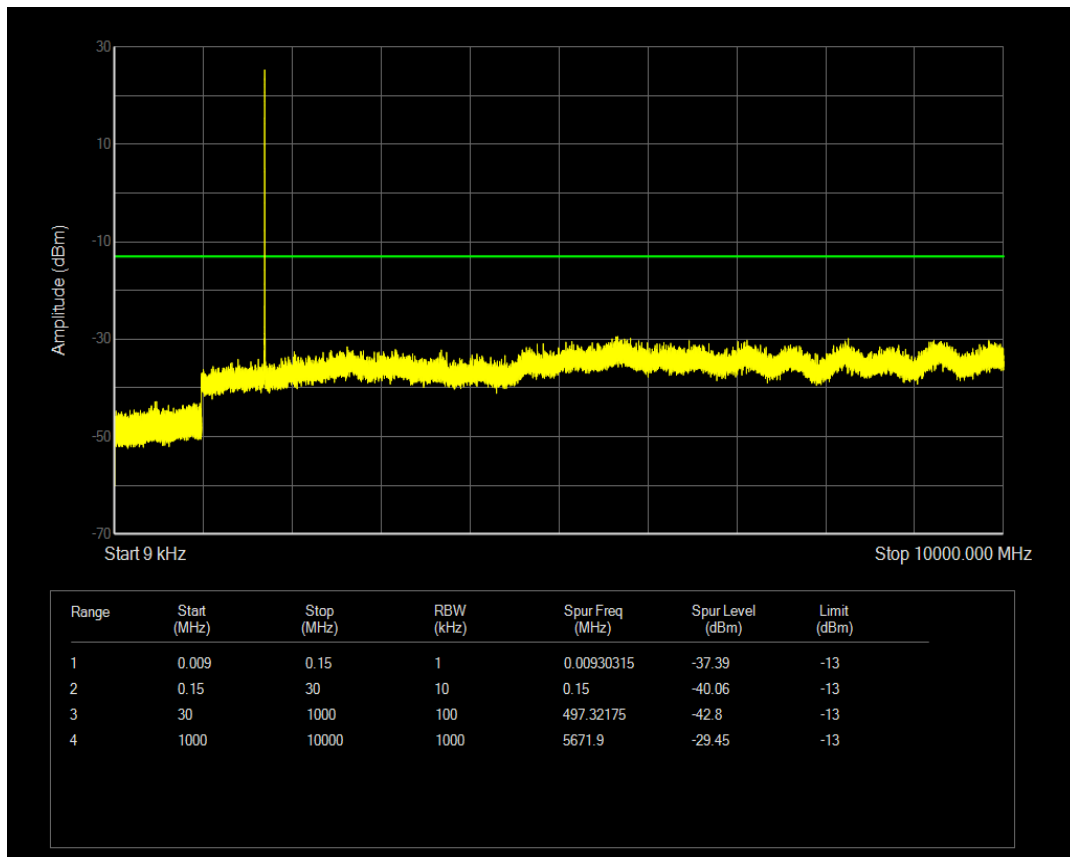
Appendix 6. Out-of-band emissions

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	5652.10	-28.81	-13	PASS
Band4	1.4	19957	6	#0	16QAM	5671.90	-29.45	-13	PASS
Band4	1.4	20175	6	#0	QPSK	5707.23	-29.31	-13	PASS
Band4	1.4	20175	6	#0	16QAM	5628.70	-29.41	-13	PASS
Band4	1.4	20393	6	#0	QPSK	9186.18	-28.85	-13	PASS
Band4	1.4	20393	6	#0	16QAM	5671.00	-28.87	-13	PASS
Band4	3	19965	15	#0	QPSK	9822.25	-28.63	-13	PASS
Band4	3	19965	15	#0	16QAM	9298.68	-28.99	-13	PASS
Band4	3	20175	15	#0	QPSK	5631.40	-28.62	-13	PASS
Band4	3	20175	15	#0	16QAM	6141.48	-29.22	-13	PASS
Band4	3	20385	15	#0	QPSK	5646.48	-29.47	-13	PASS
Band4	3	20385	15	#0	16QAM	5707.23	-28.95	-13	PASS
Band4	5	19975	25	#0	QPSK	5994.55	-29.36	-13	PASS
Band4	5	19975	25	#0	16QAM	9263.13	-28.78	-13	PASS
Band4	5	20175	25	#0	QPSK	5707.00	-29.40	-13	PASS
Band4	5	20175	25	#0	16QAM	7139.13	-29.02	-13	PASS
Band4	5	20375	25	#0	QPSK	5726.35	-28.06	-13	PASS
Band4	5	20375	25	#0	16QAM	5413.15	-28.72	-13	PASS
Band4	10	20000	50	#0	QPSK	9284.73	-28.92	-13	PASS
Band4	10	20175	50	#0	QPSK	2702.58	-29.16	-13	PASS
Band4	10	20350	50	#0	QPSK	9246.93	-29.54	-13	PASS
Band4	15	20025	75	#0	QPSK	5697.55	-29.17	-13	PASS
Band4	15	20175	75	#0	QPSK	5727.48	-28.82	-13	PASS
Band4	15	20325	75	#0	QPSK	9241.08	-29.21	-13	PASS
Band4	20	20050	100	#0	QPSK	5695.53	-28.94	-13	PASS
Band4	20	20175	100	#0	QPSK	9284.95	-29.17	-13	PASS
Band4	20	20300	100	#0	QPSK	5713.53	-28.51	-13	PASS

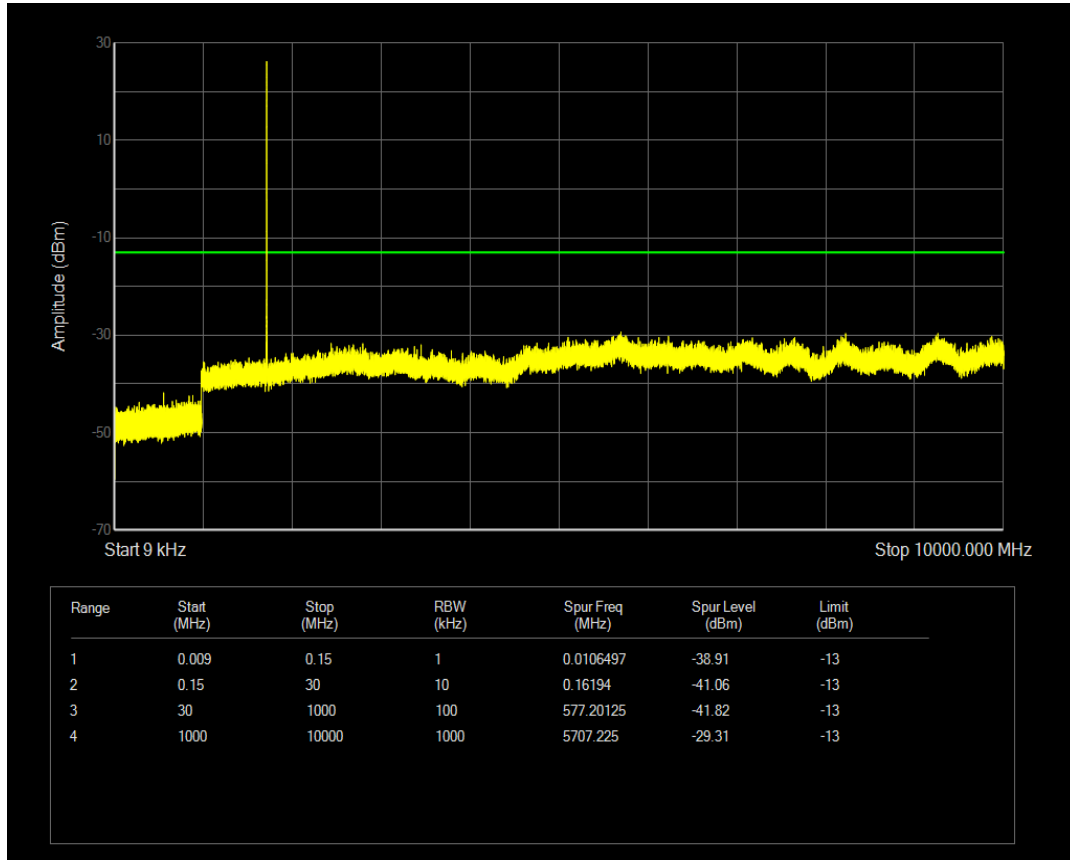
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



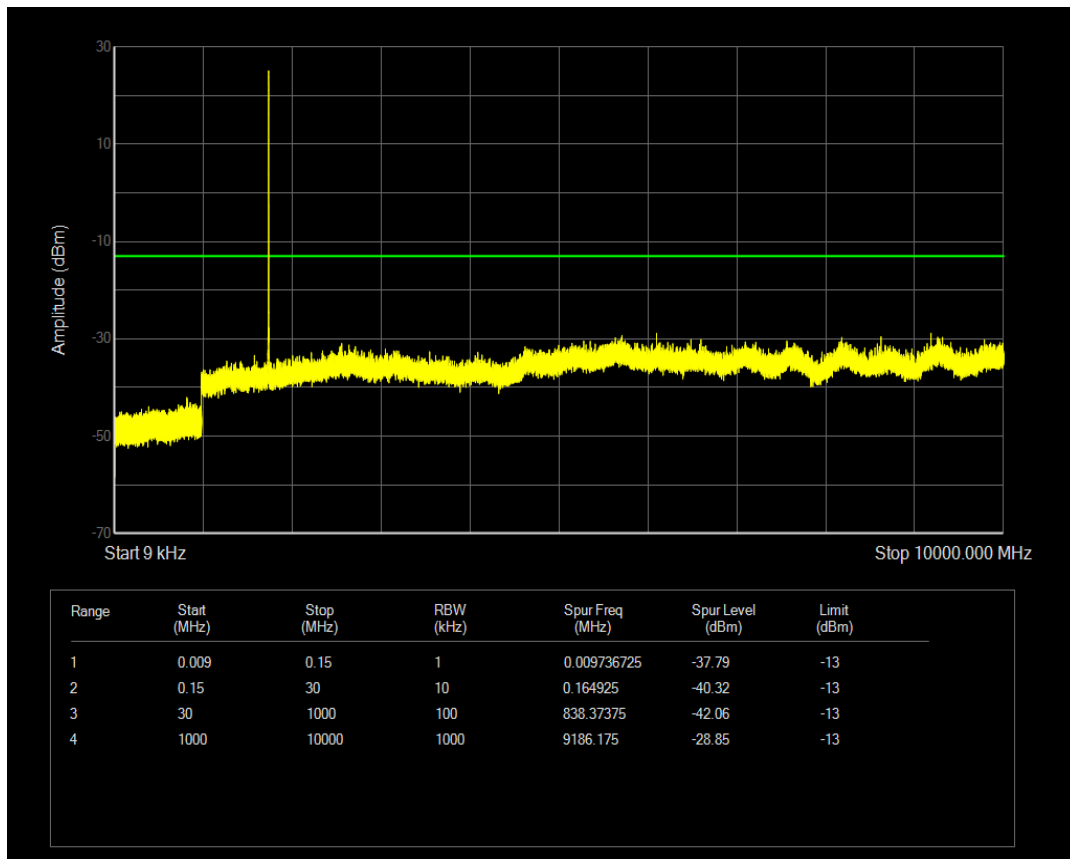
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



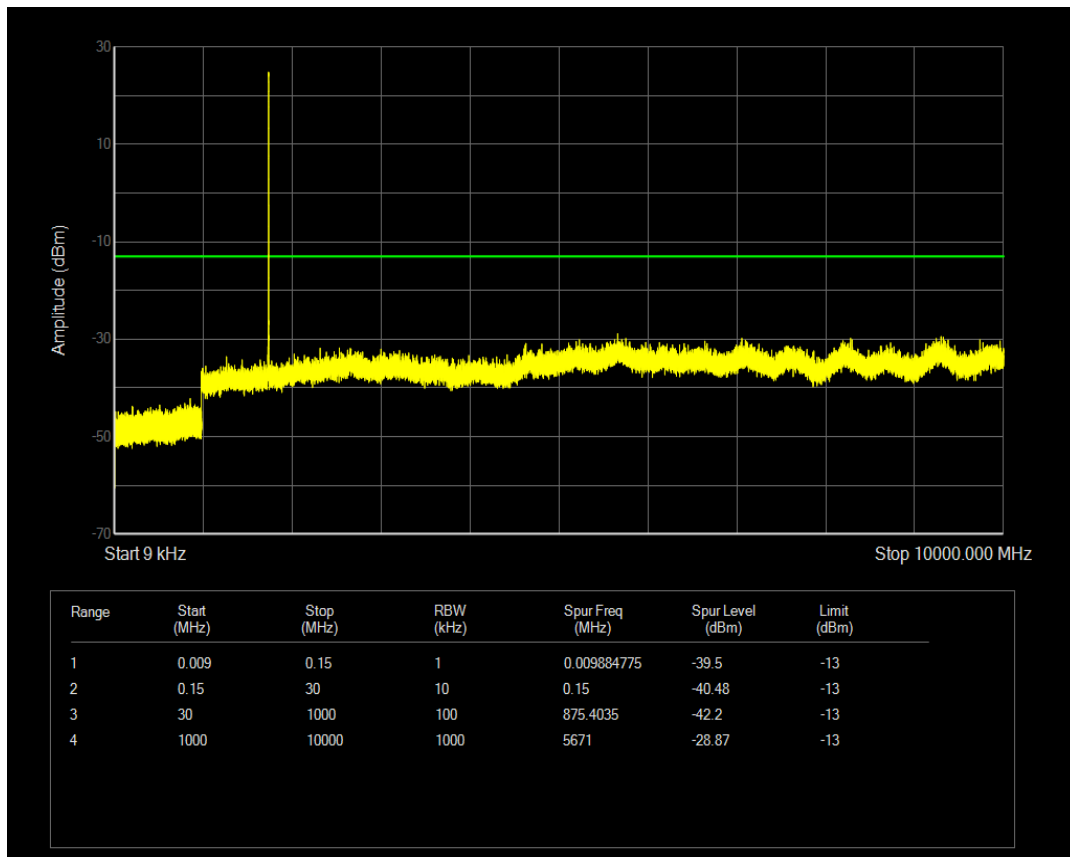
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



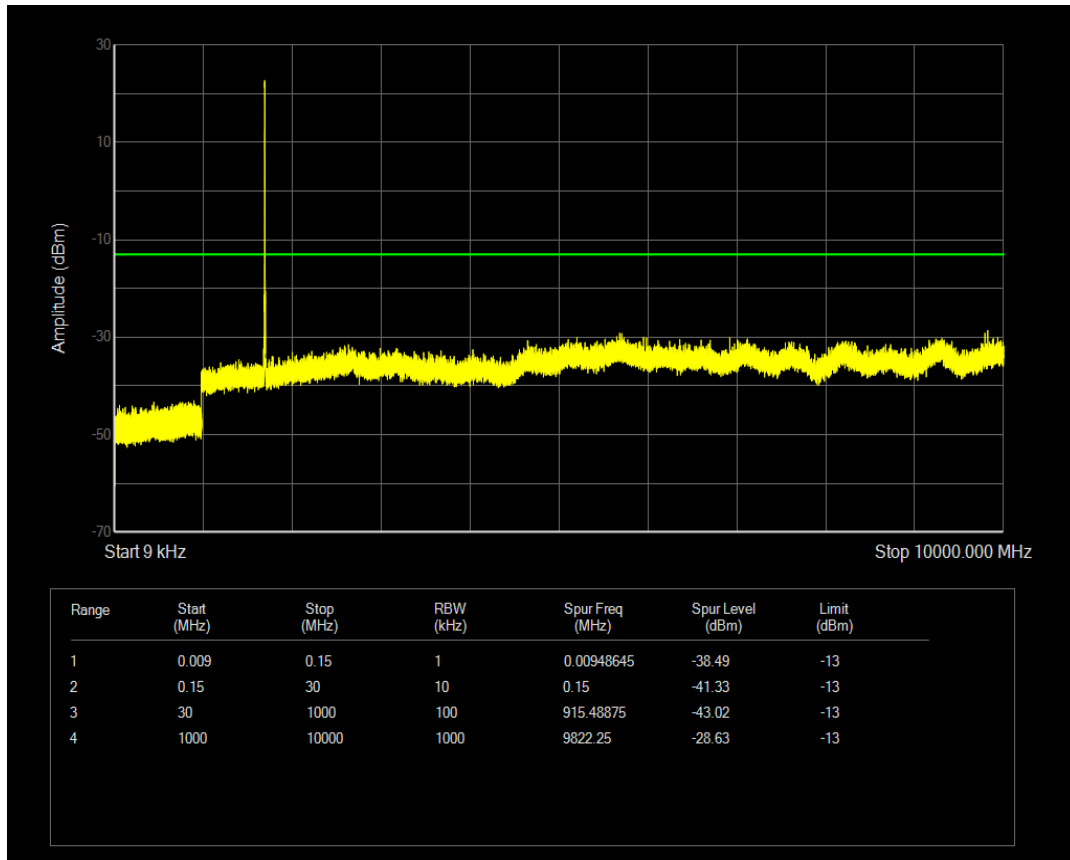
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



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

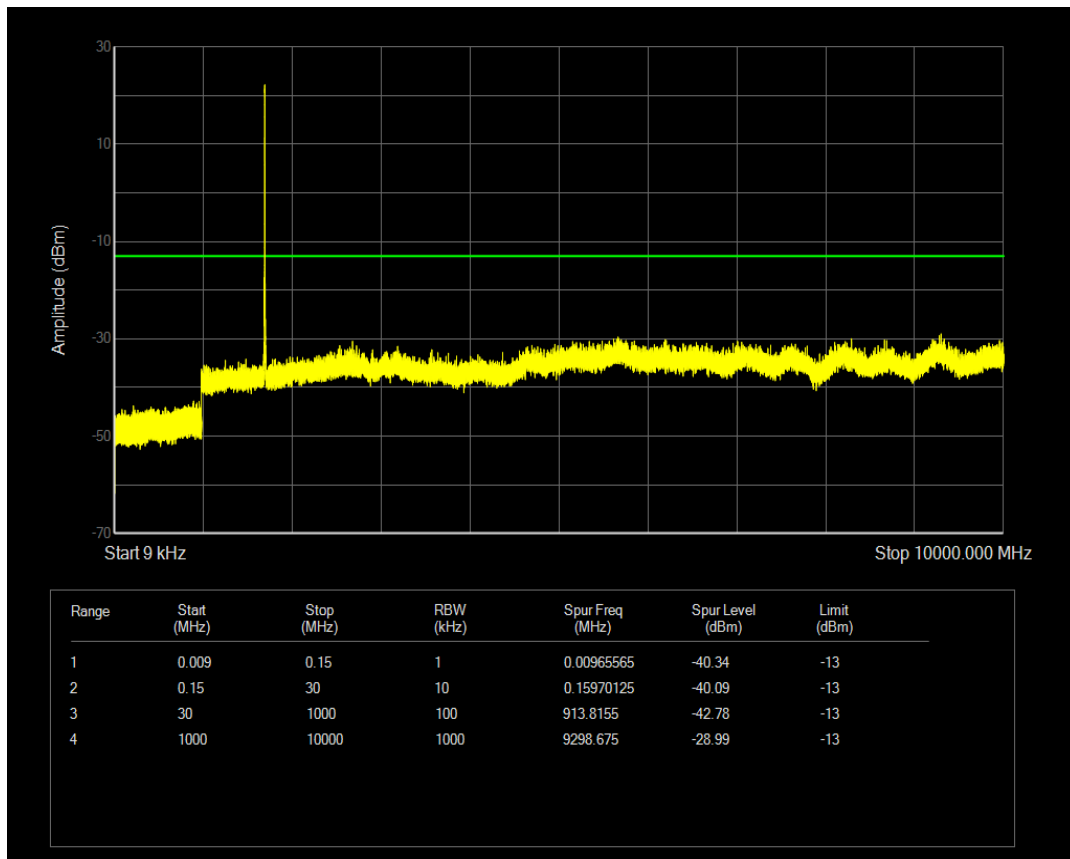


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

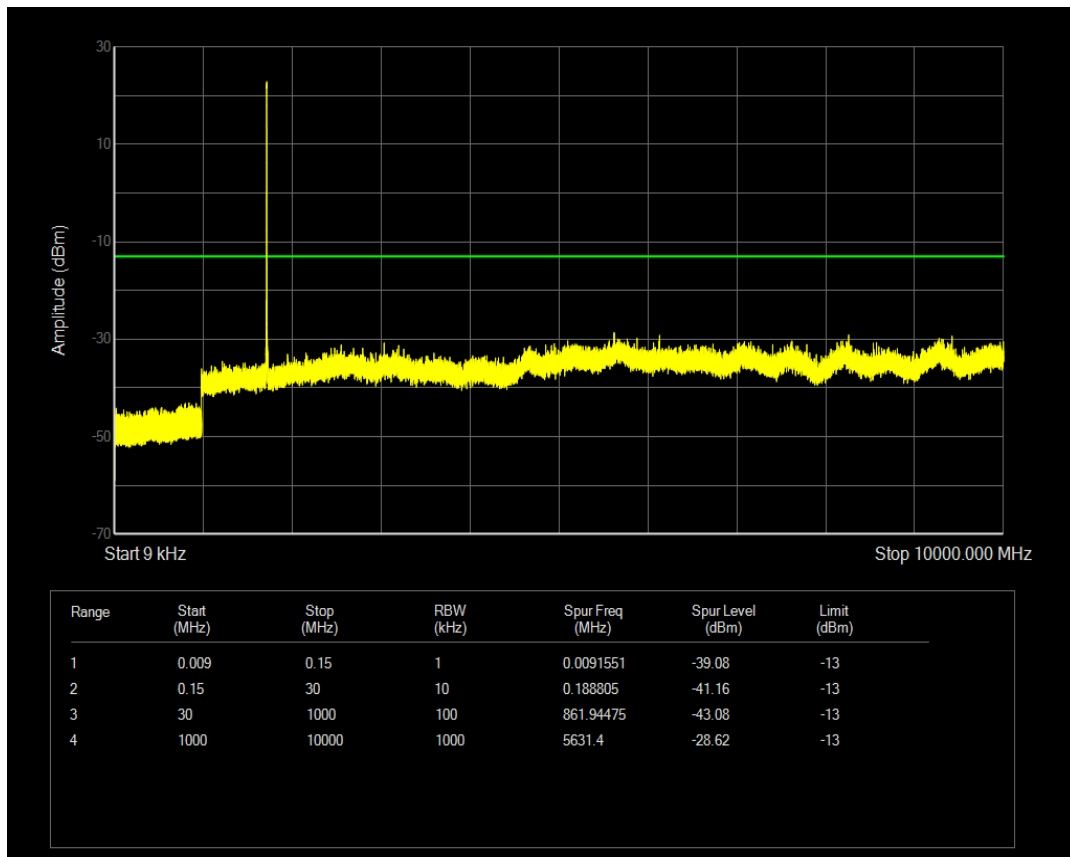


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

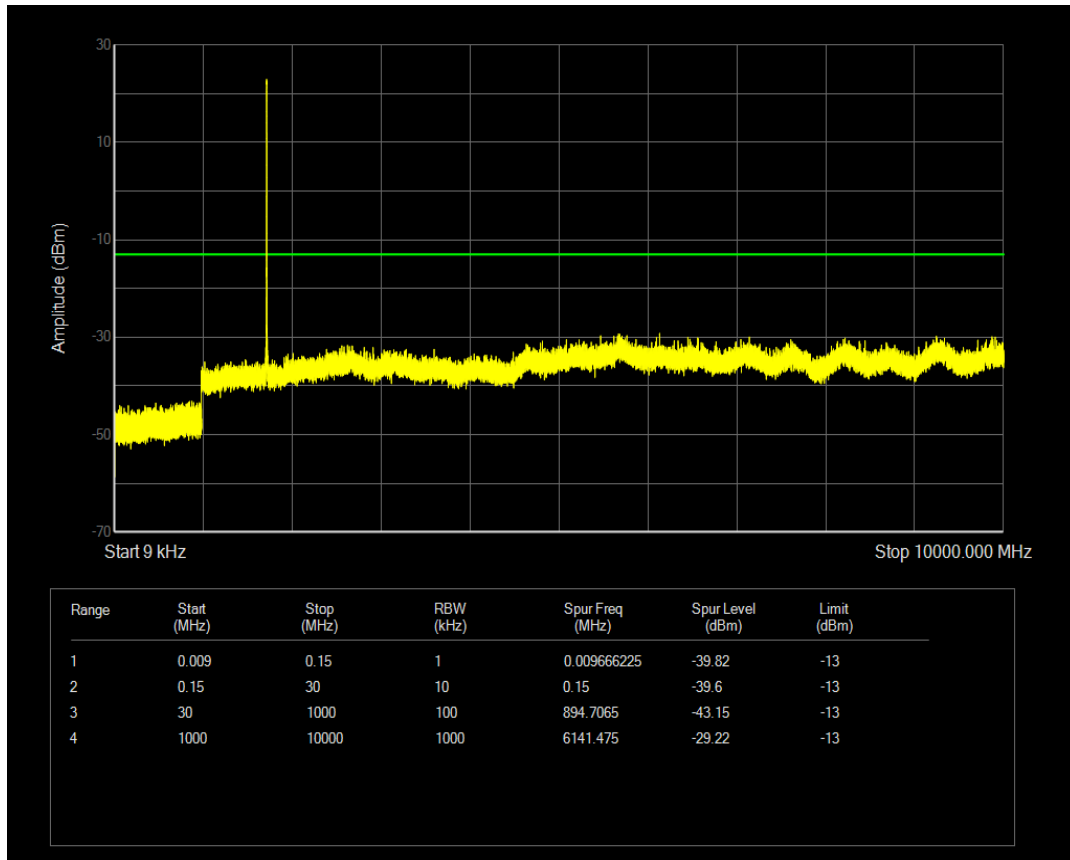
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Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

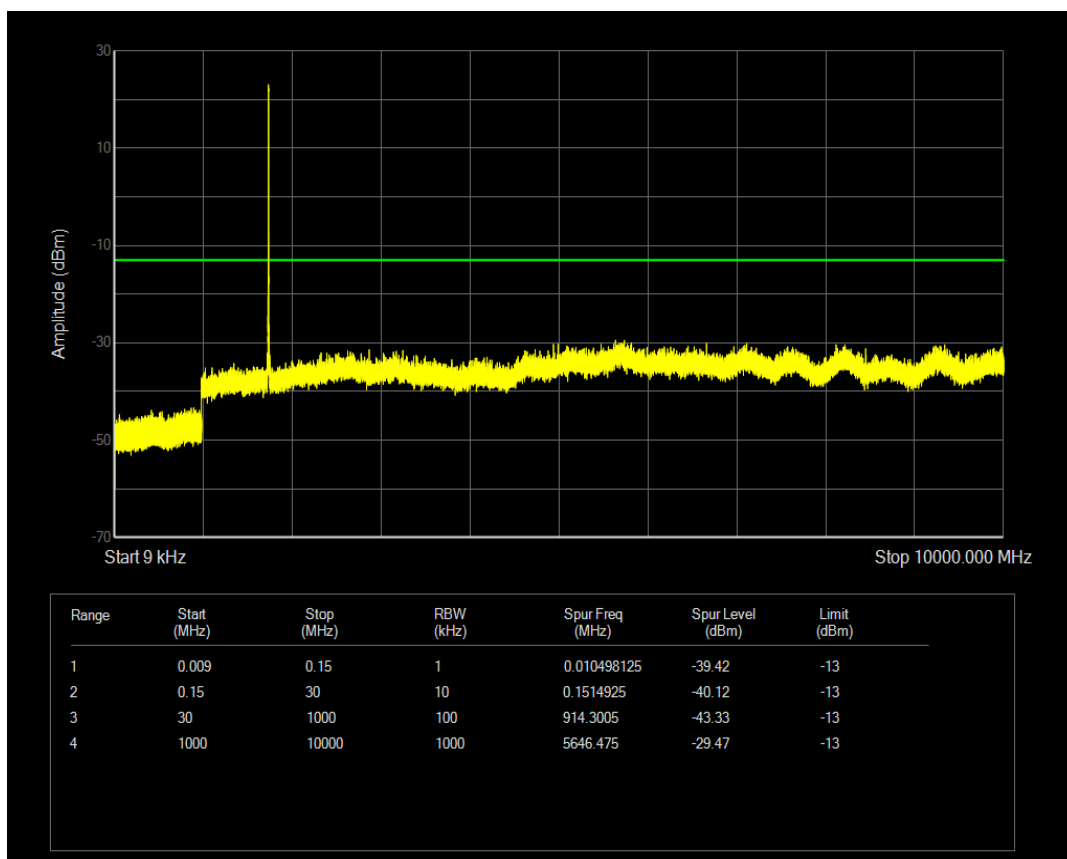


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

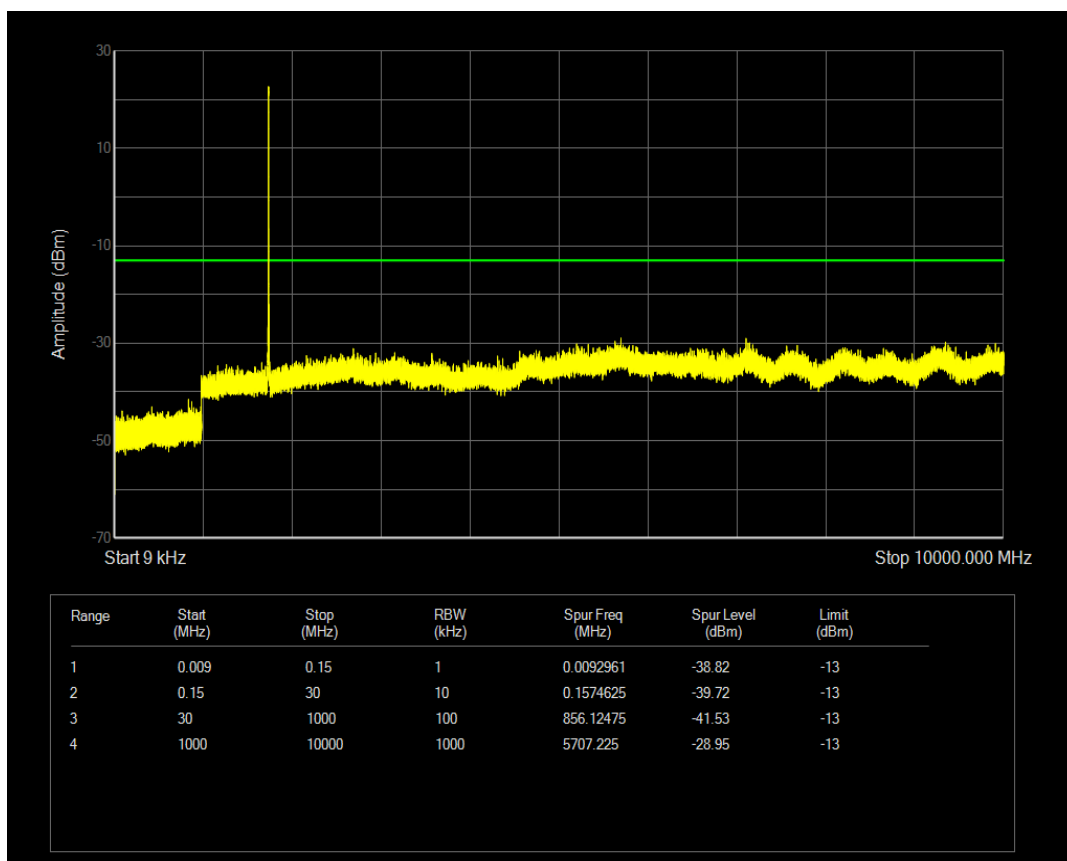


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

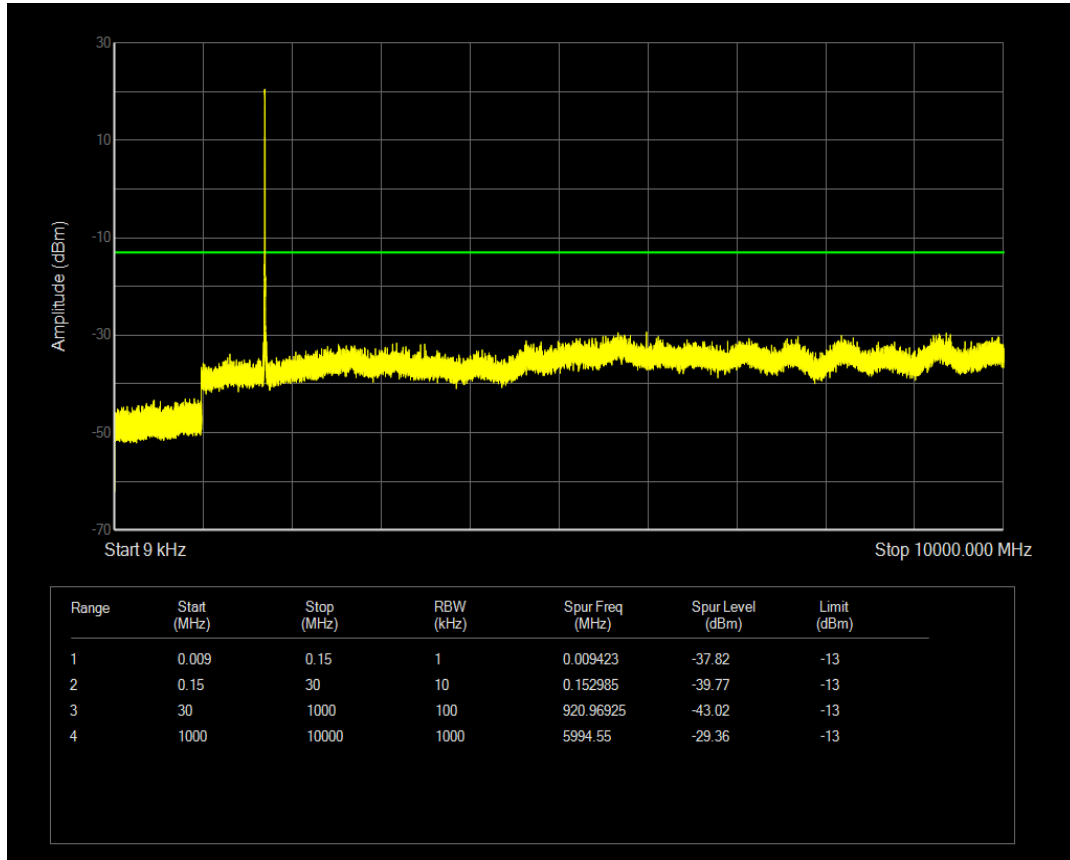
CO., LTD.



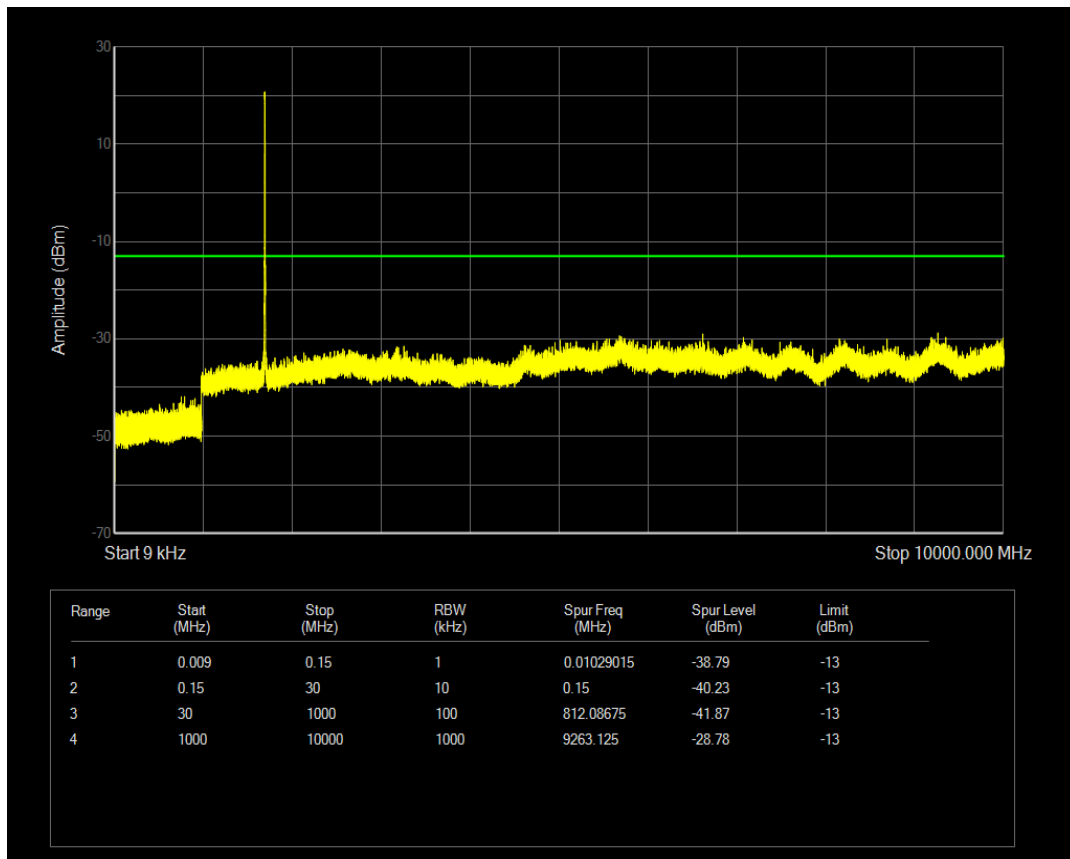
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



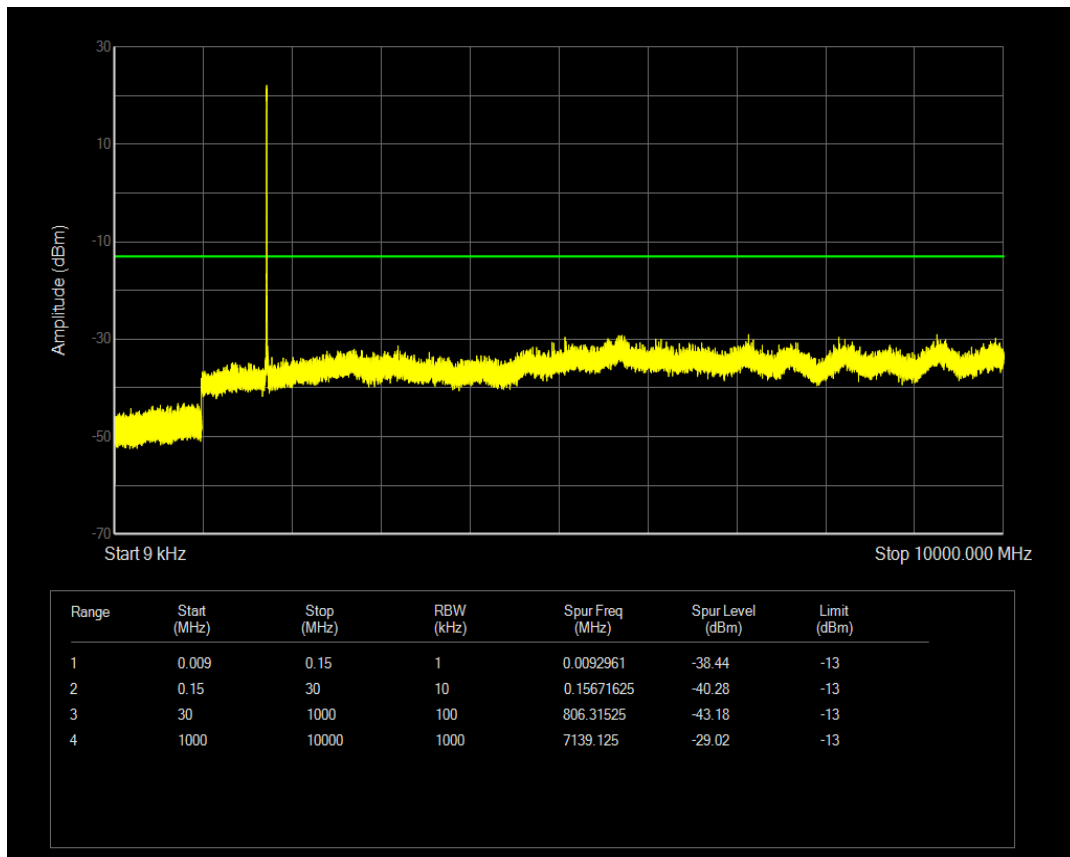
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



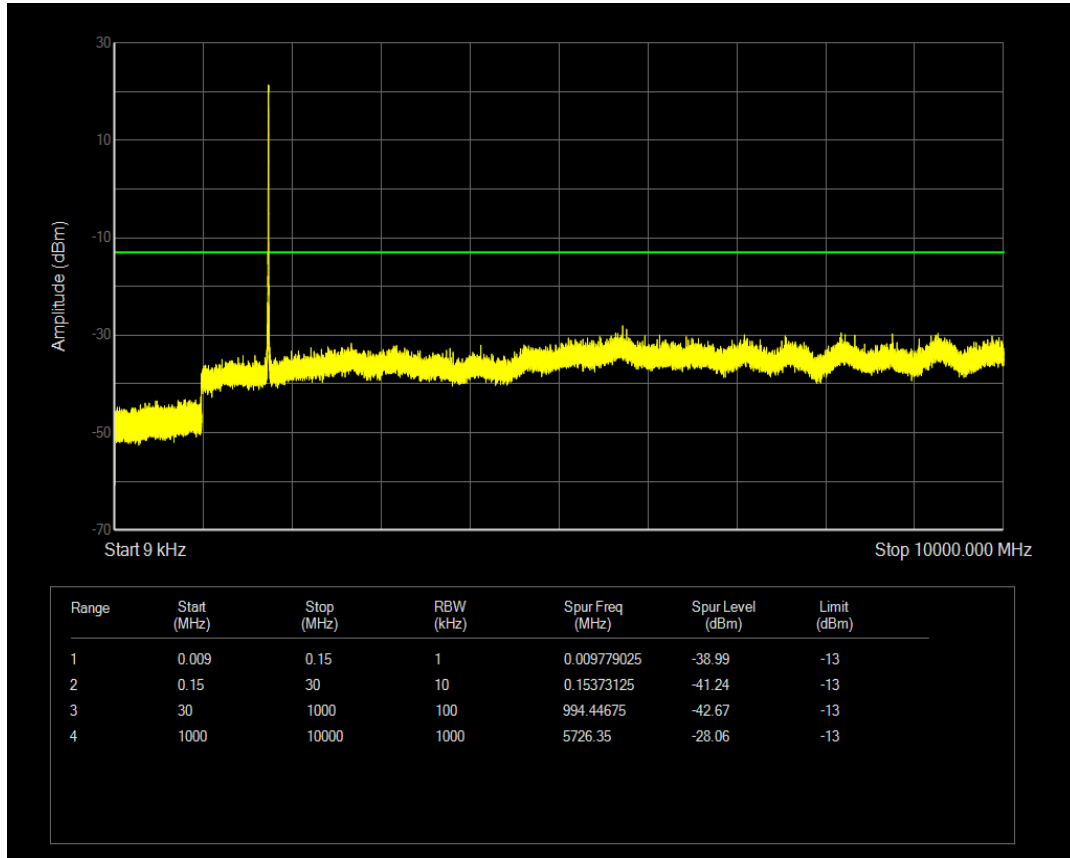
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



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

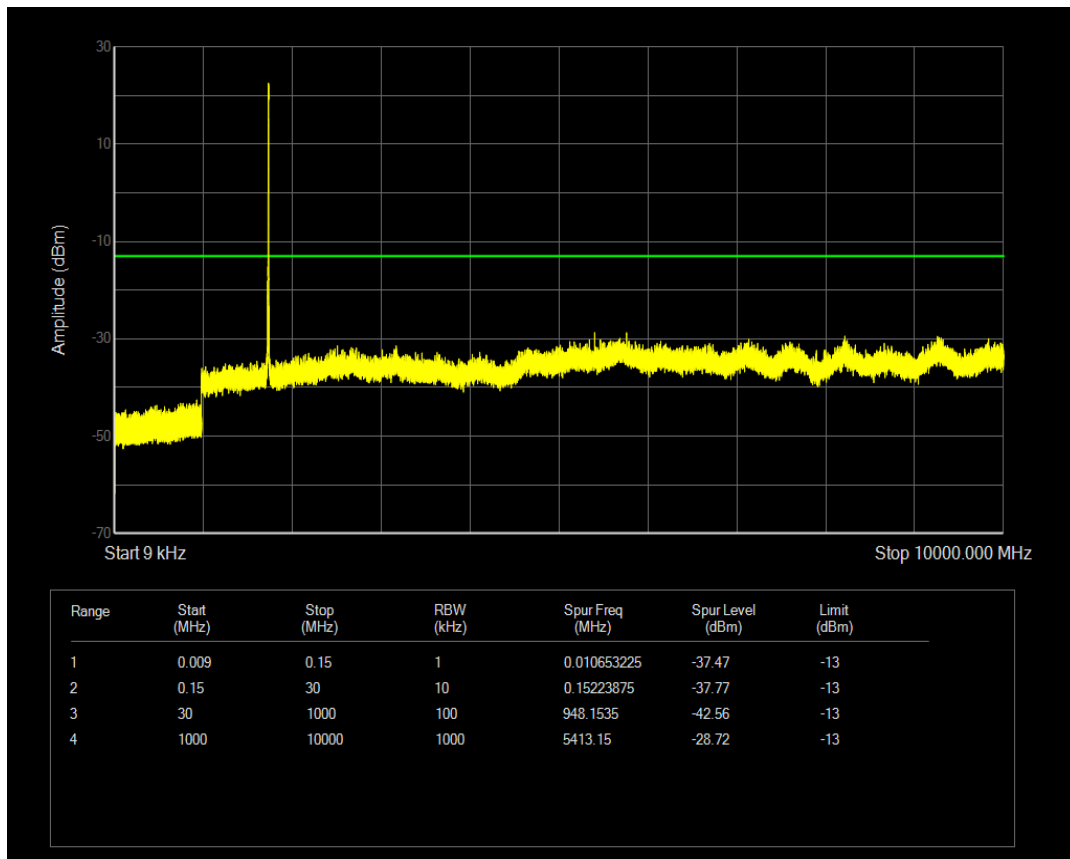


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

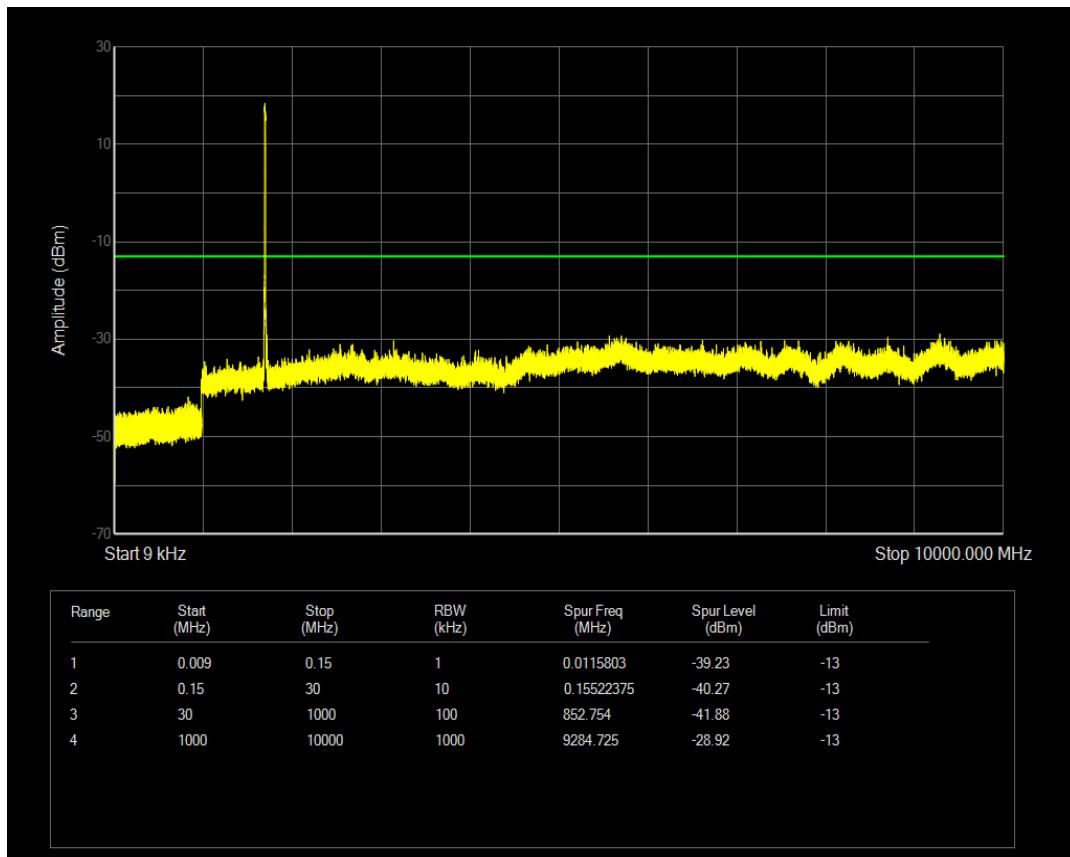


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

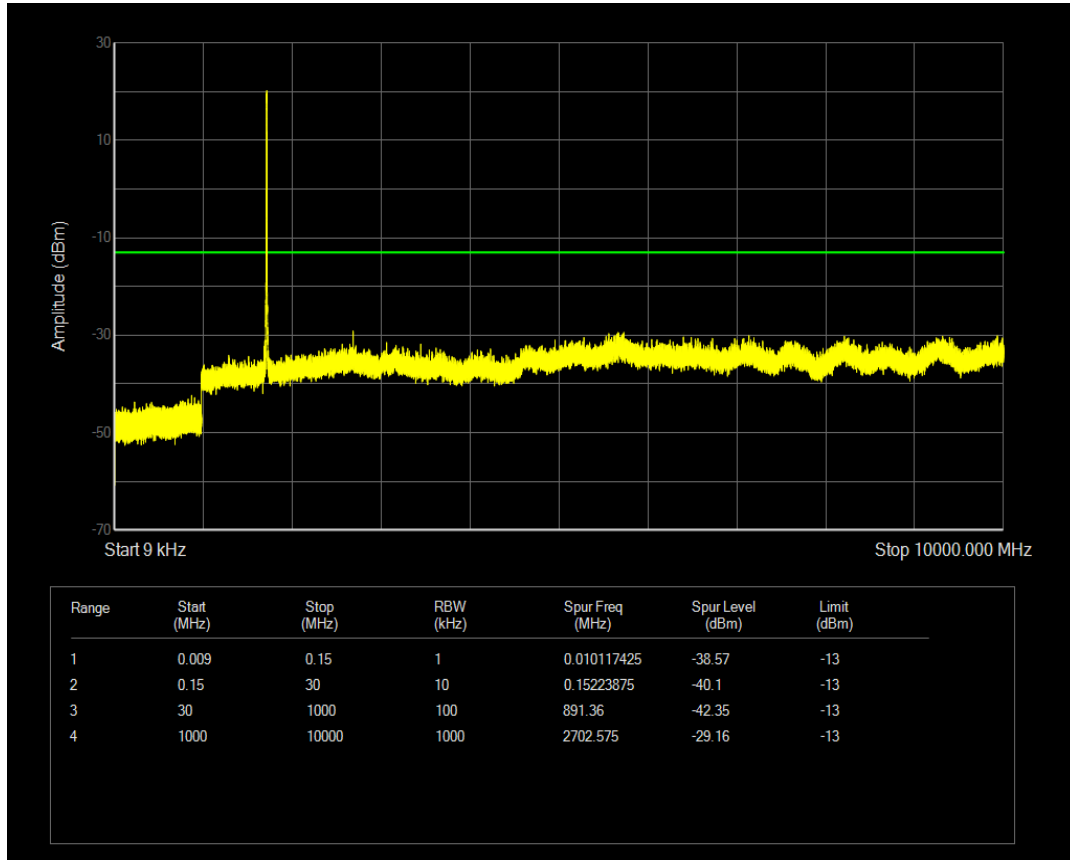
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Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

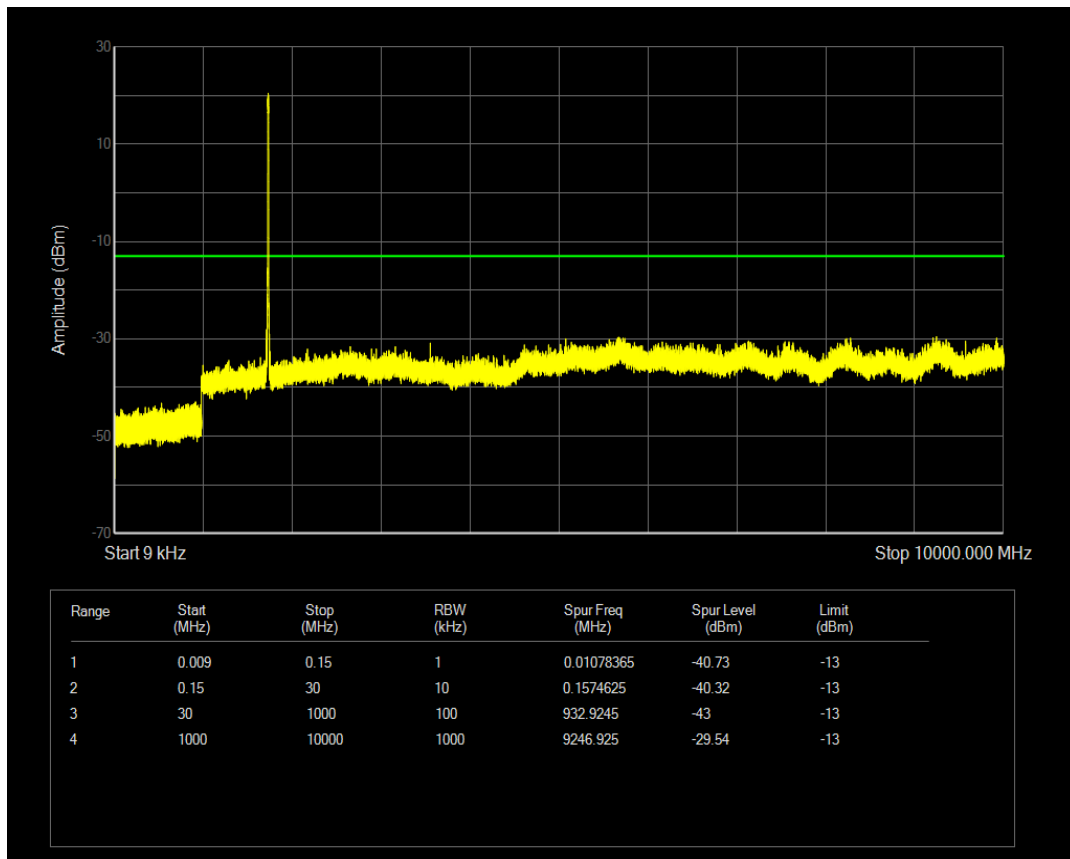


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

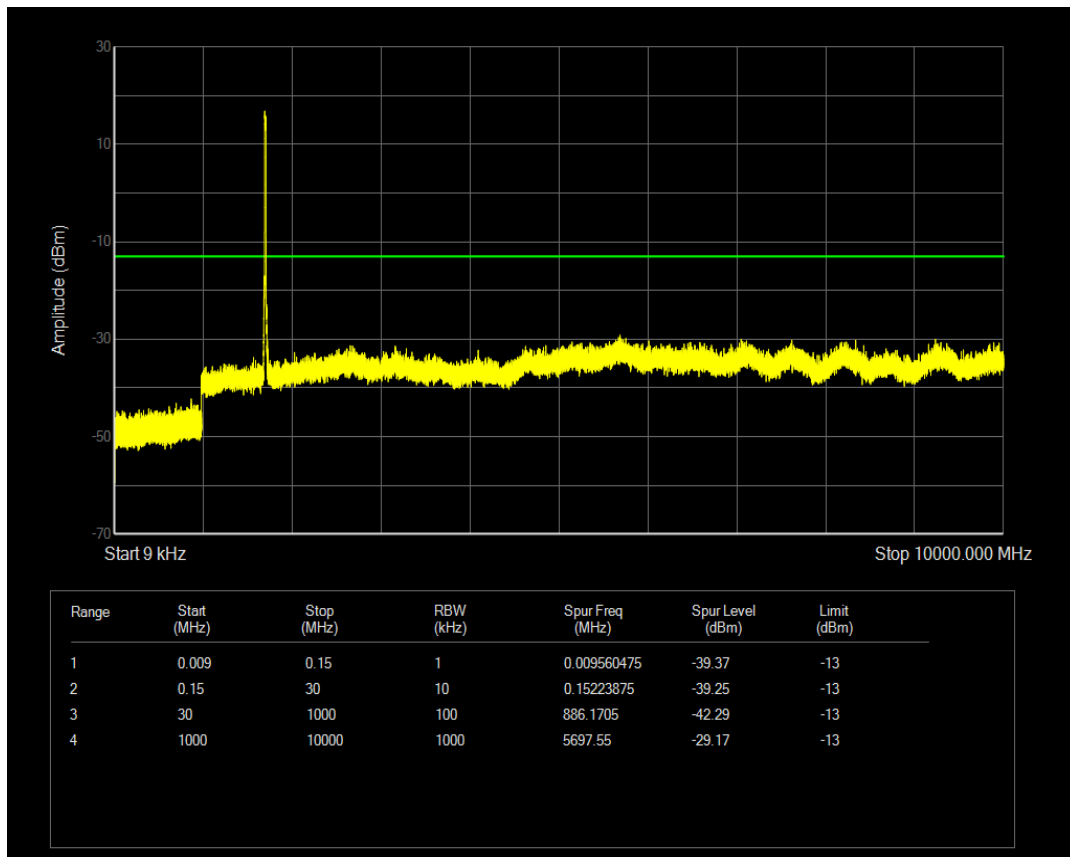


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

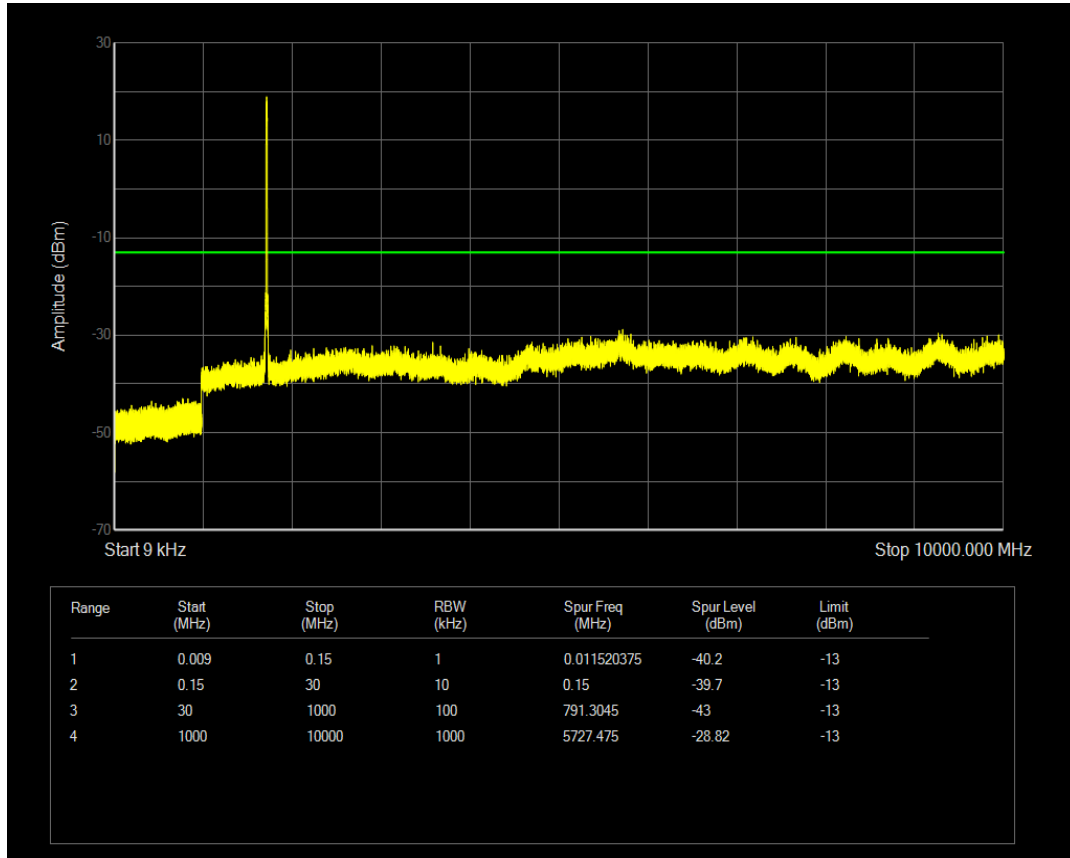
CO., LTD.



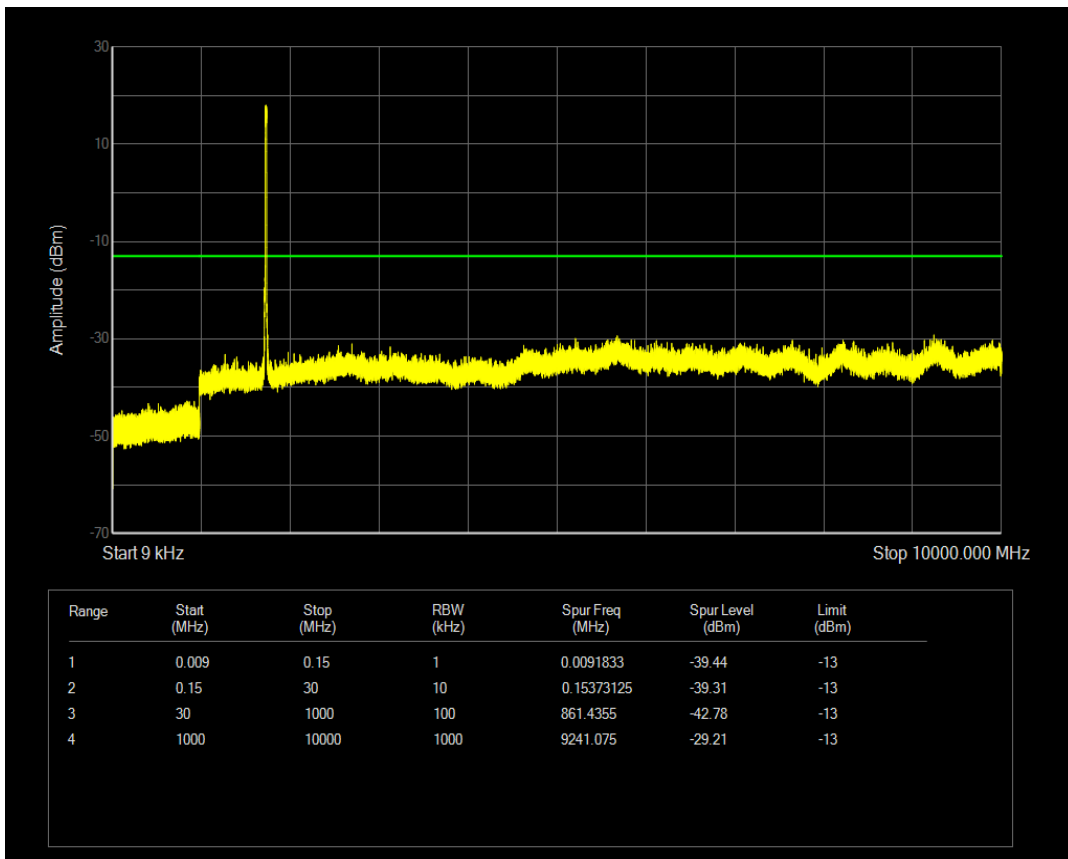
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



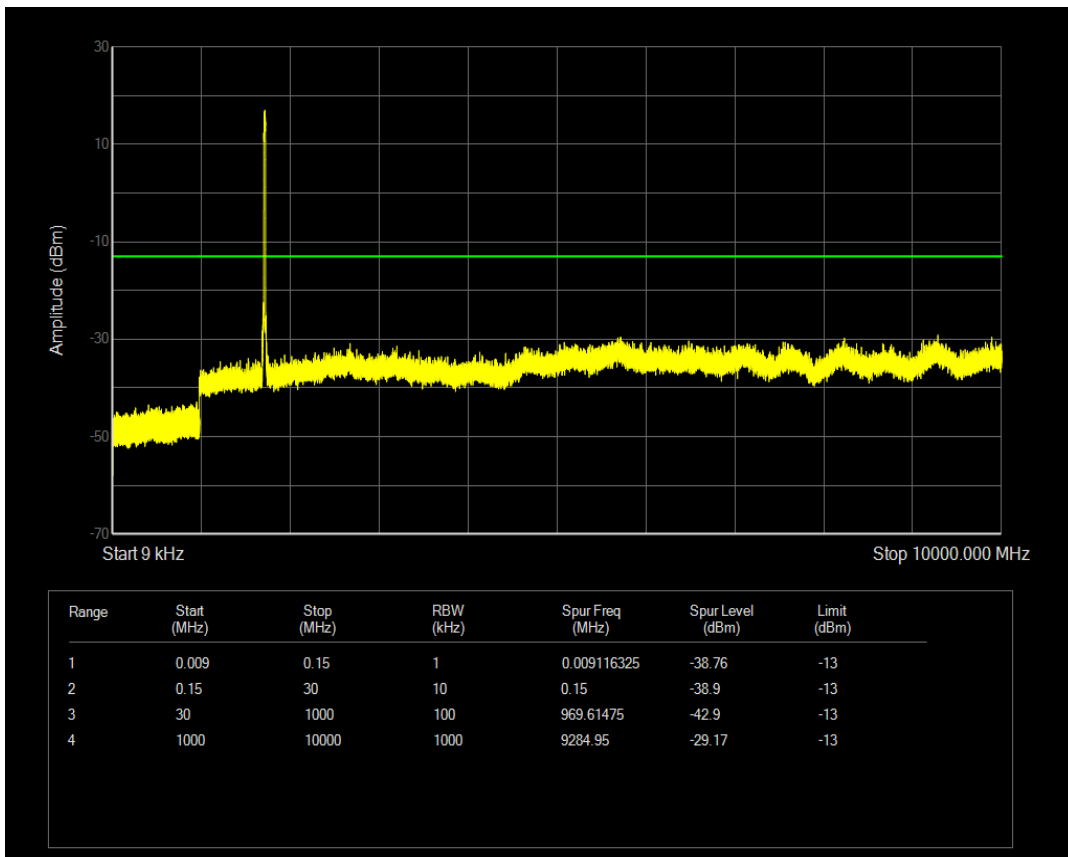
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



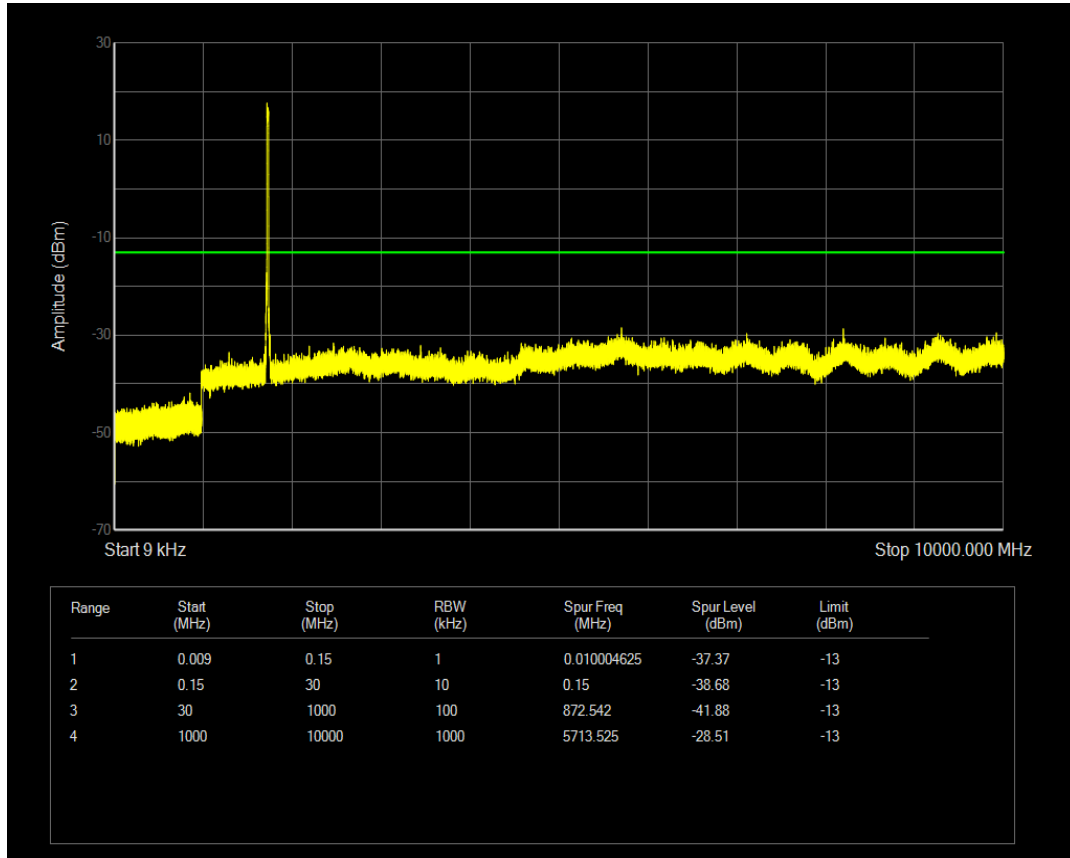
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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

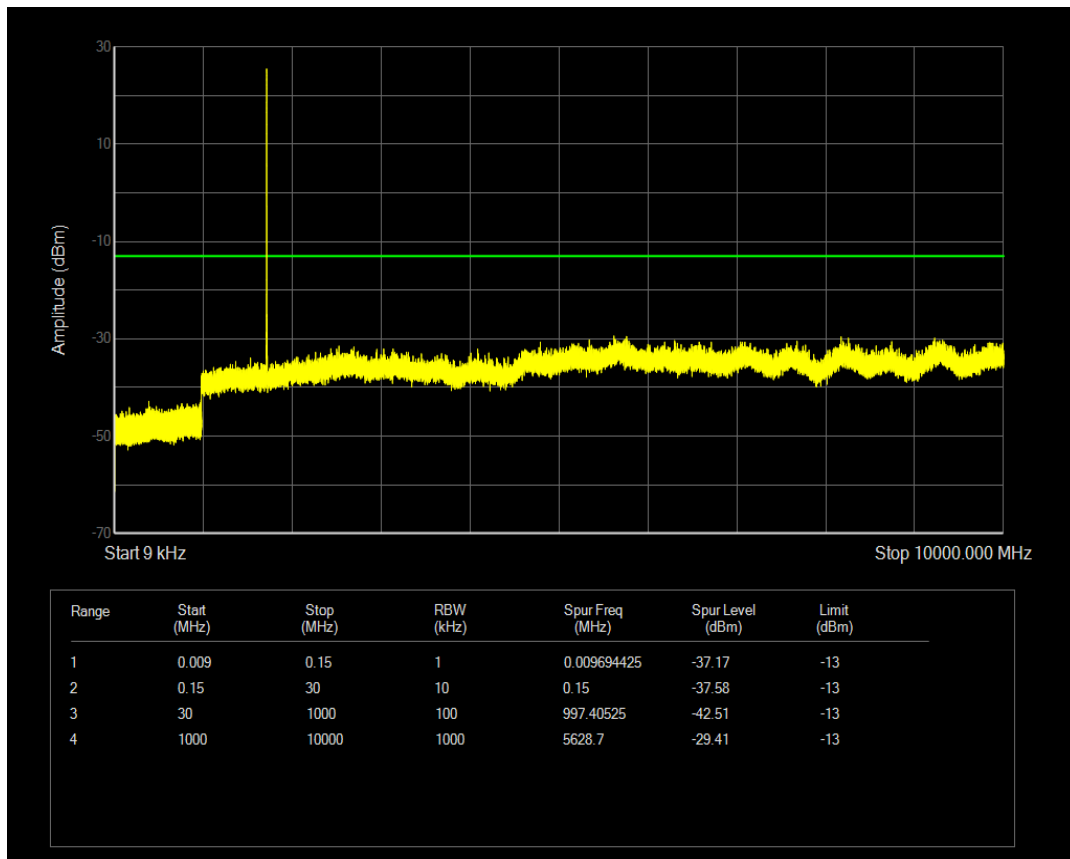


Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

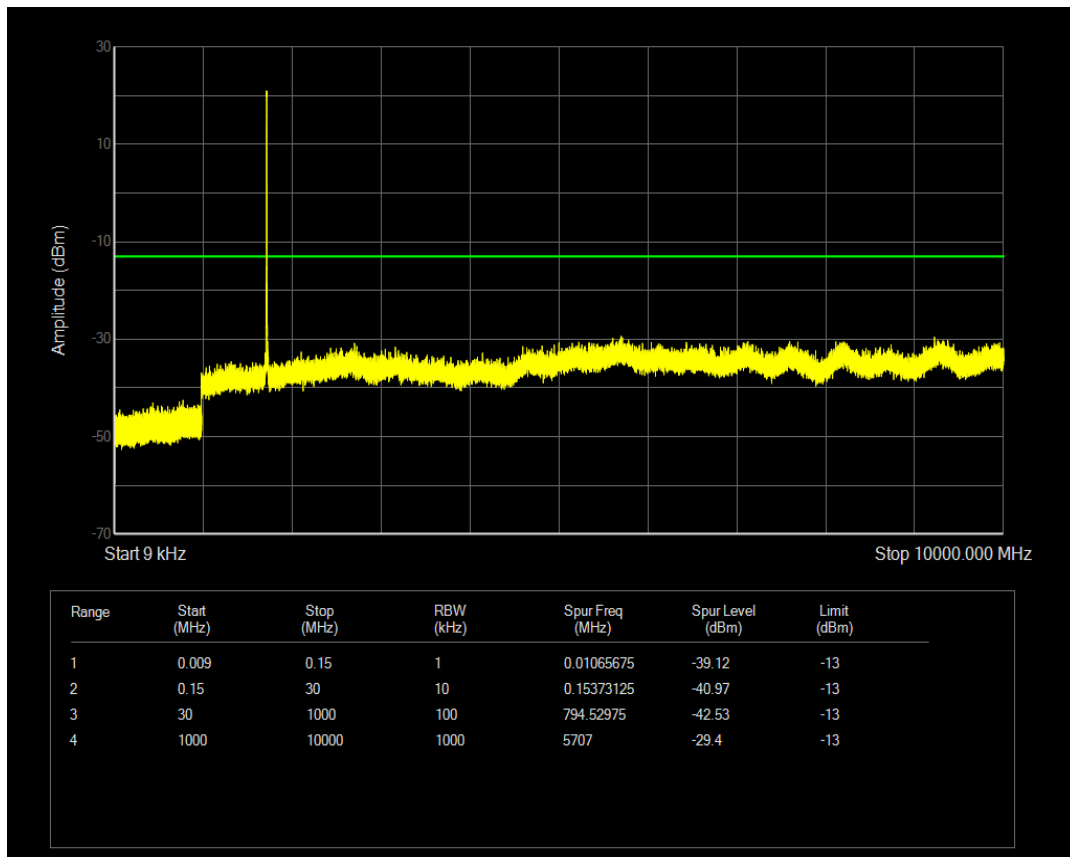


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

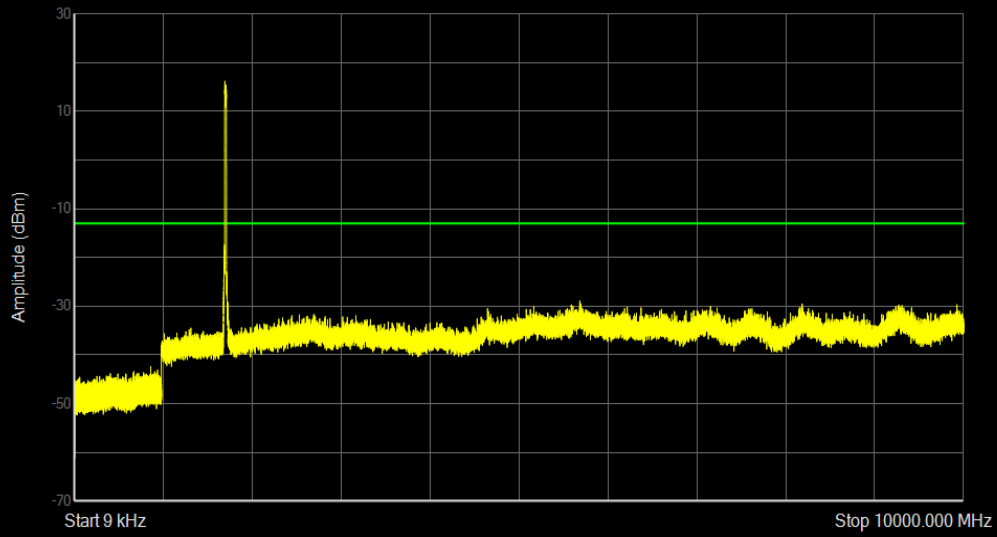
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Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



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	0.010039875	-36.14	-13
2	0.15	30	10	0.16791	-40.45	-13
3	30	1000	100	881.53875	-42.36	-13
4	1000	10000	1000	5695.525	-28.94	-13

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