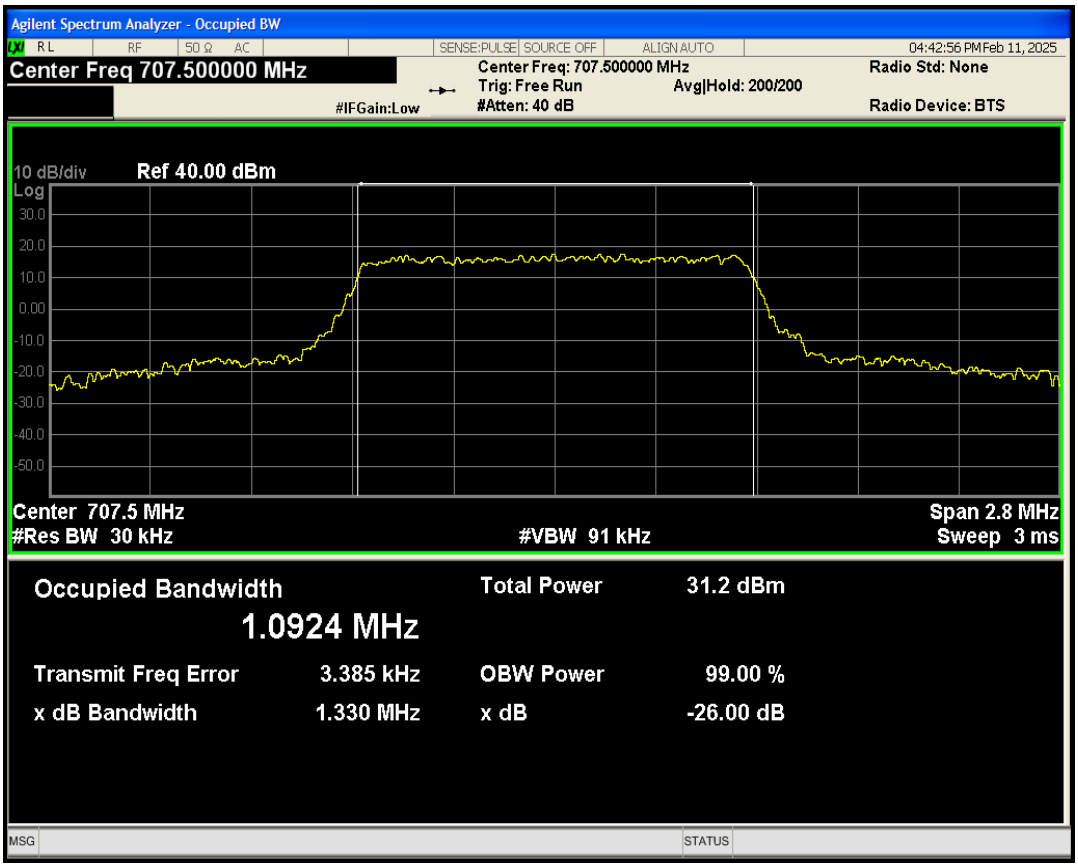
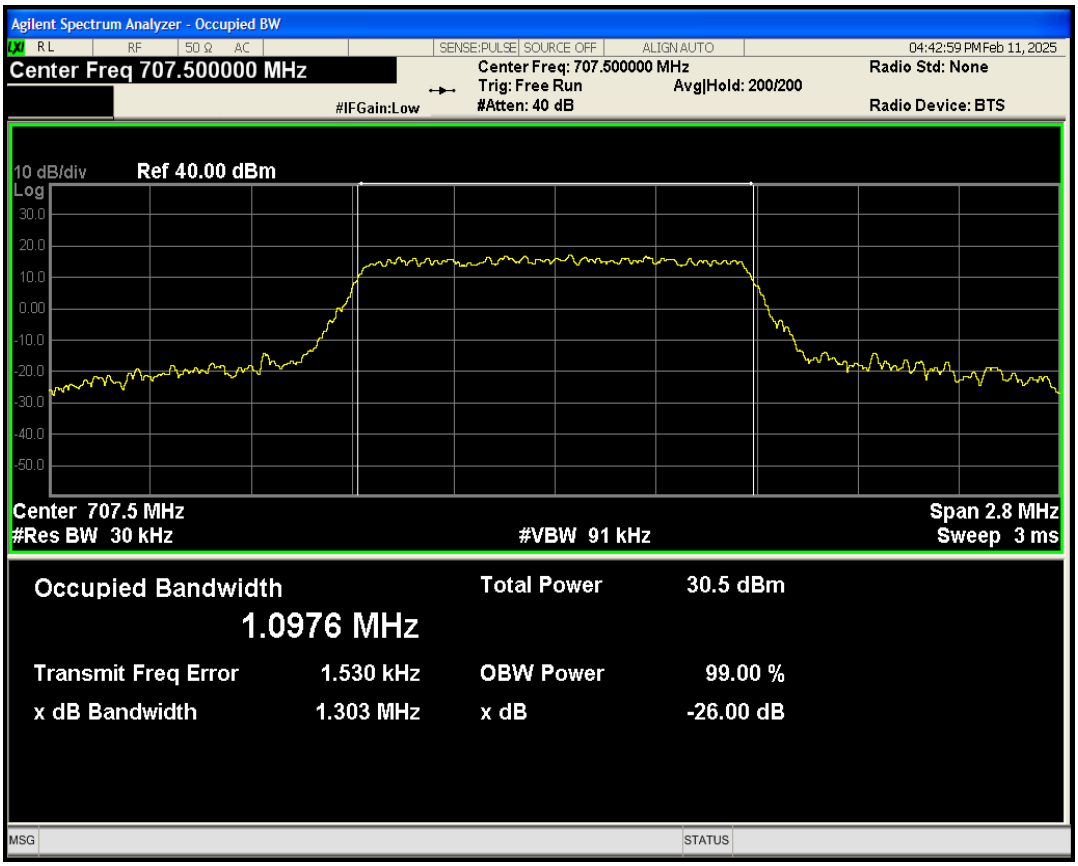
Band4	20	20175	100	#0	QPSK	17.966	19.216	PASS
Band4	20	20175	100	#0	QAM16	17.947	19.156	PASS
Band40a	5	38750	25	#0	QPSK	5.960	9.969	PASS
Band40a	5	38750	25	#0	QAM16	4.827	9.946	PASS
Band40a	10	38750	50	#0	QPSK	11.799	19.944	PASS
Band40a	10	38750	50	#0	QAM16	9.583	19.684	PASS
Band40b	5	39200	25	#0	QPSK	4.560	7.904	PASS
Band40b	5	39200	25	#0	QAM16	4.536	6.137	PASS
Band40b	10	39200	50	#0	QPSK	9.068	14.915	PASS
Band40b	10	39200	50	#0	QAM16	9.019	11.342	PASS
Band41(2545-2655)	5	40690	25	#0	QPSK	4.517	5.456	PASS
Band41(2545-2655)	5	40690	25	#0	QAM16	4.524	5.058	PASS
Band41(2545-2655)	10	40690	50	#0	QPSK	9.048	10.320	PASS
Band41(2545-2655)	10	40690	50	#0	QAM16	9.041	9.786	PASS
Band41(2545-2655)	15	40690	75	#0	QPSK	13.582	18.888	PASS
Band41(2545-2655)	15	40690	75	#0	QAM16	13.581	19.180	PASS
Band41(2545-2655)	20	40690	100	#0	QPSK	18.102	24.207	PASS
Band41(2545-2655)	20	40690	100	#0	QAM16	18.033	23.180	PASS
Band5	1.4	20525	6	#0	QPSK	1.088	1.270	PASS
Band5	1.4	20525	6	#0	QAM16	1.099	1.311	PASS
Band5	3	20525	15	#0	QPSK	2.693	2.918	PASS
Band5	3	20525	15	#0	QAM16	2.692	2.922	PASS
Band5	5	20525	25	#0	QPSK	4.507	4.873	PASS
Band5	5	20525	25	#0	QAM16	4.492	4.893	PASS
Band5	10	20525	50	#0	QPSK	8.965	9.653	PASS
Band5	10	20525	50	#0	QAM16	8.950	9.725	PASS
Band7	5	21100	25	#0	QPSK	4.532	5.566	PASS
Band7	5	21100	25	#0	QAM16	4.516	5.128	PASS
Band7	10	21100	50	#0	QPSK	9.027	12.774	PASS
Band7	10	21100	50	#0	QAM16	9.047	10.606	PASS
Band7	15	21100	75	#0	QPSK	13.615	24.239	PASS
Band7	15	21100	75	#0	QAM16	13.560	15.331	PASS
Band7	20	21100	100	#0	QPSK	18.130	27.288	PASS
Band7	20	21100	100	#0	QAM16	18.080	29.634	PASS

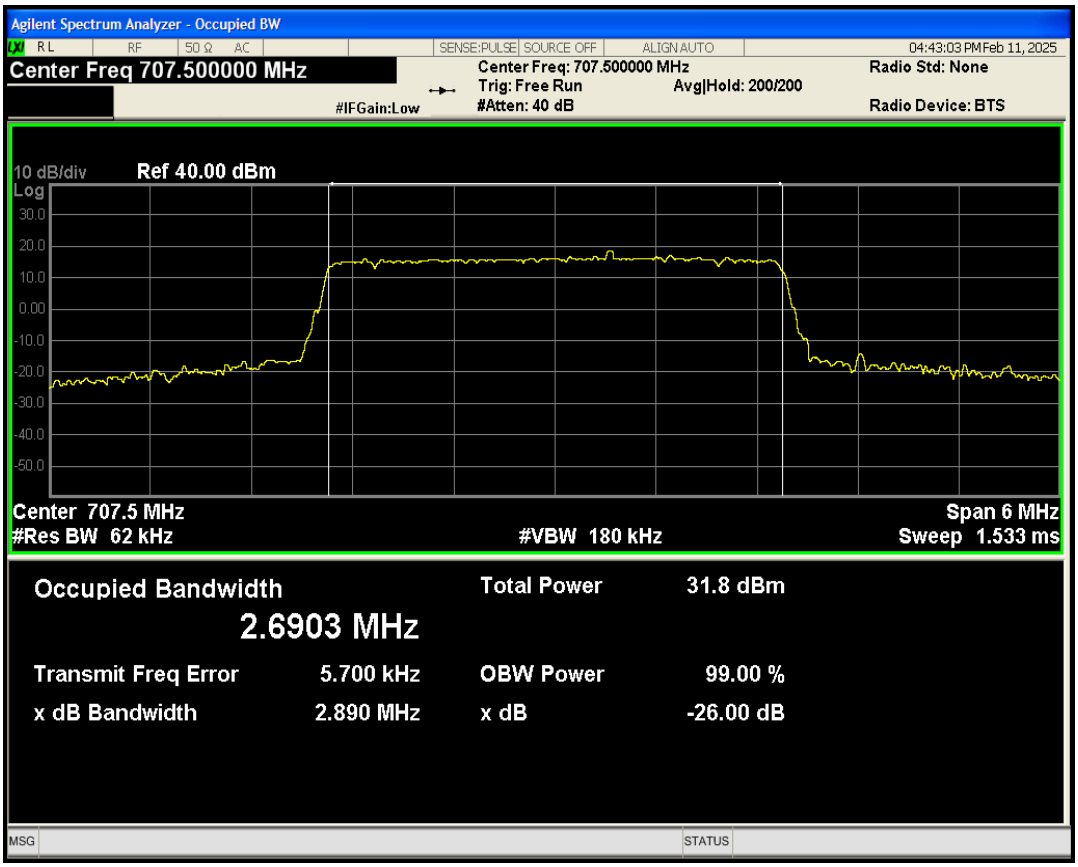
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



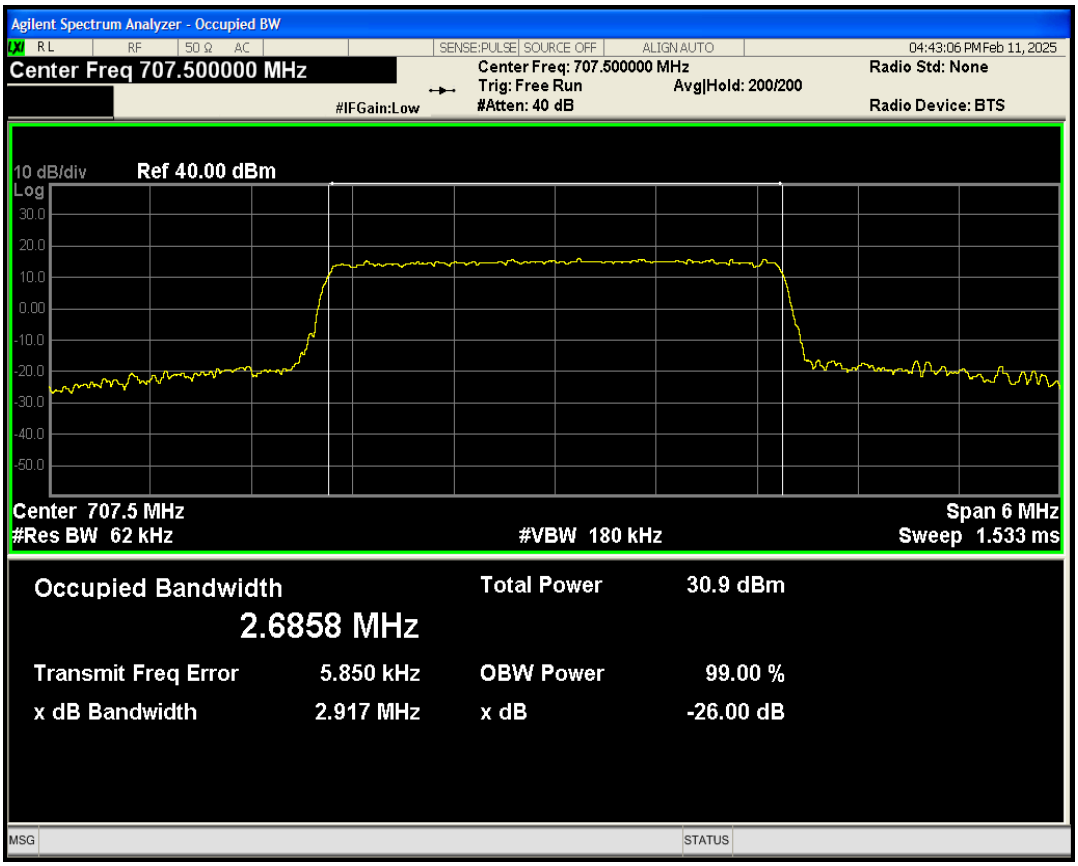
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=6 Position=#0



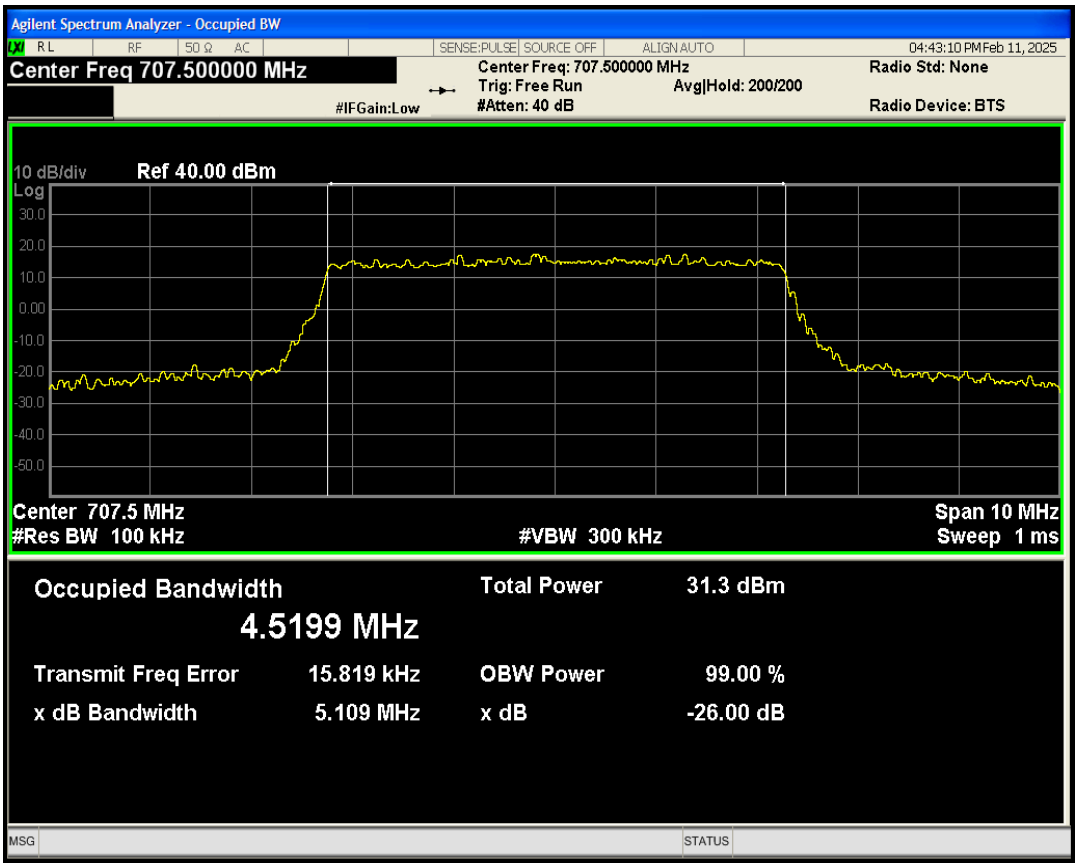
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



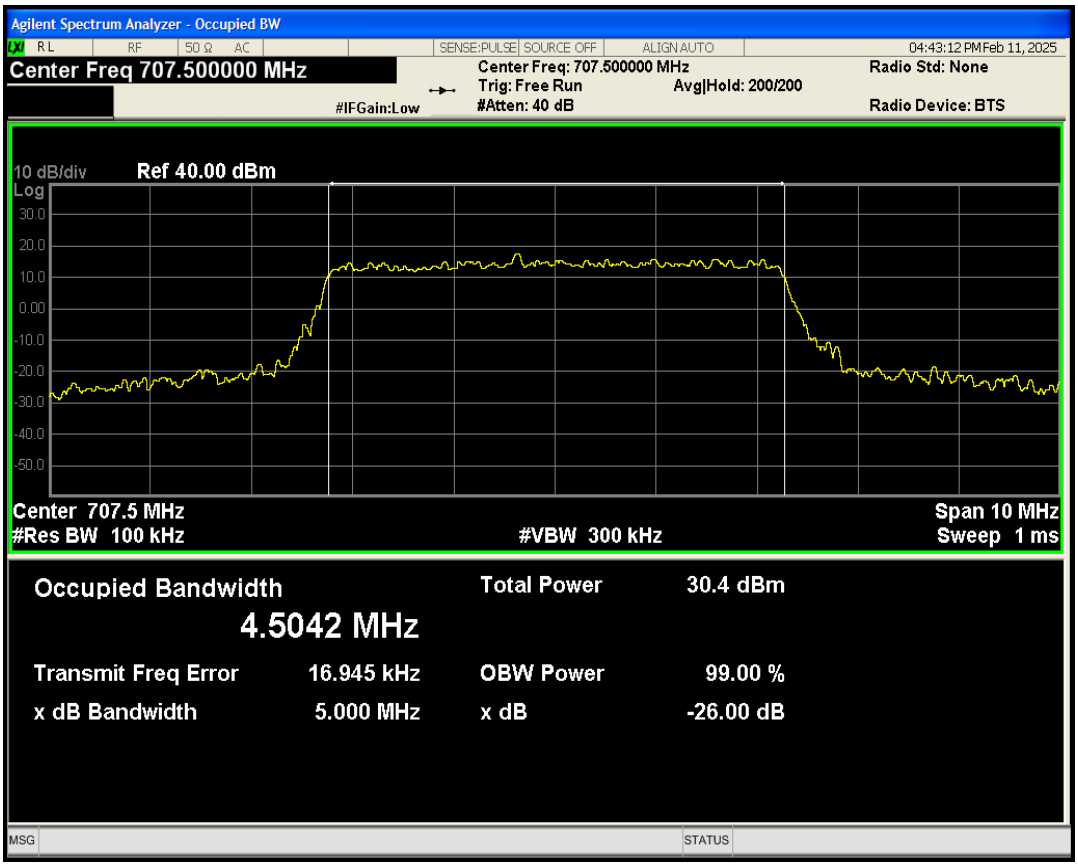
Band12 QAM16 BW=3MHz Channel=23095 RB Size=15 Position=#0



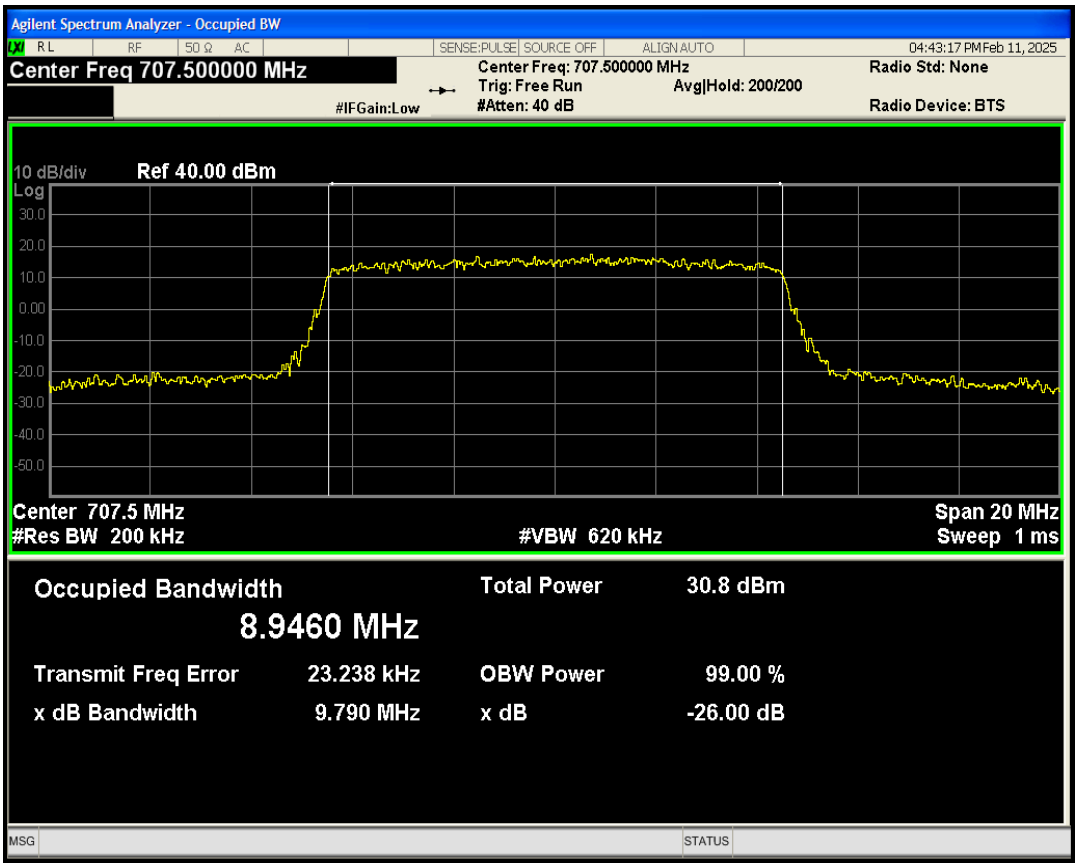
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



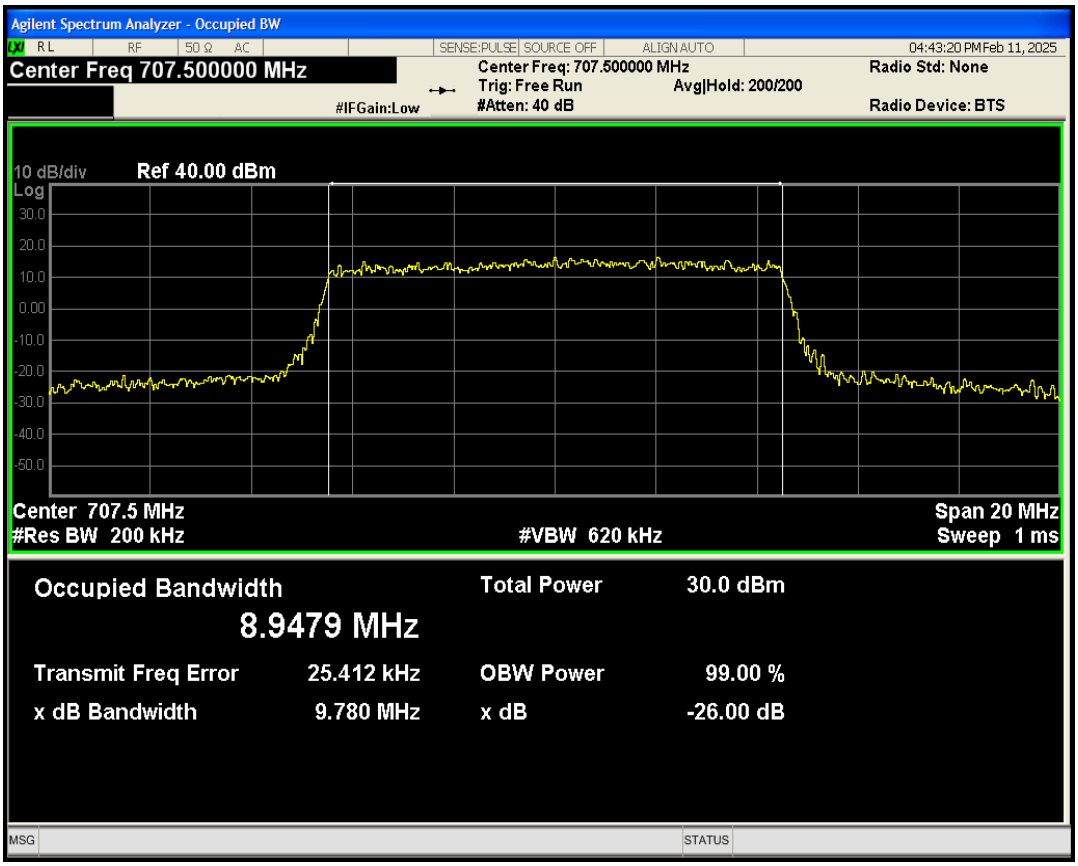
Band12 QAM16 BW=5MHz Channel=23095 RB Size=25 Position=#0



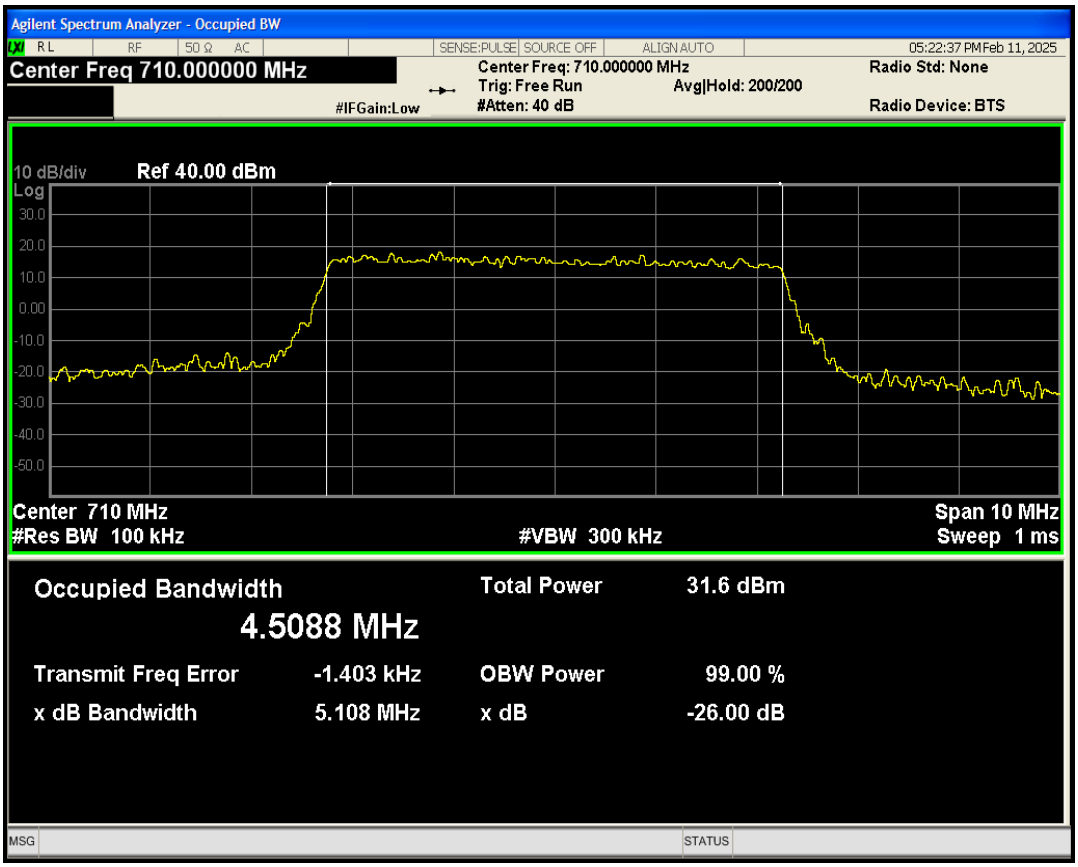
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



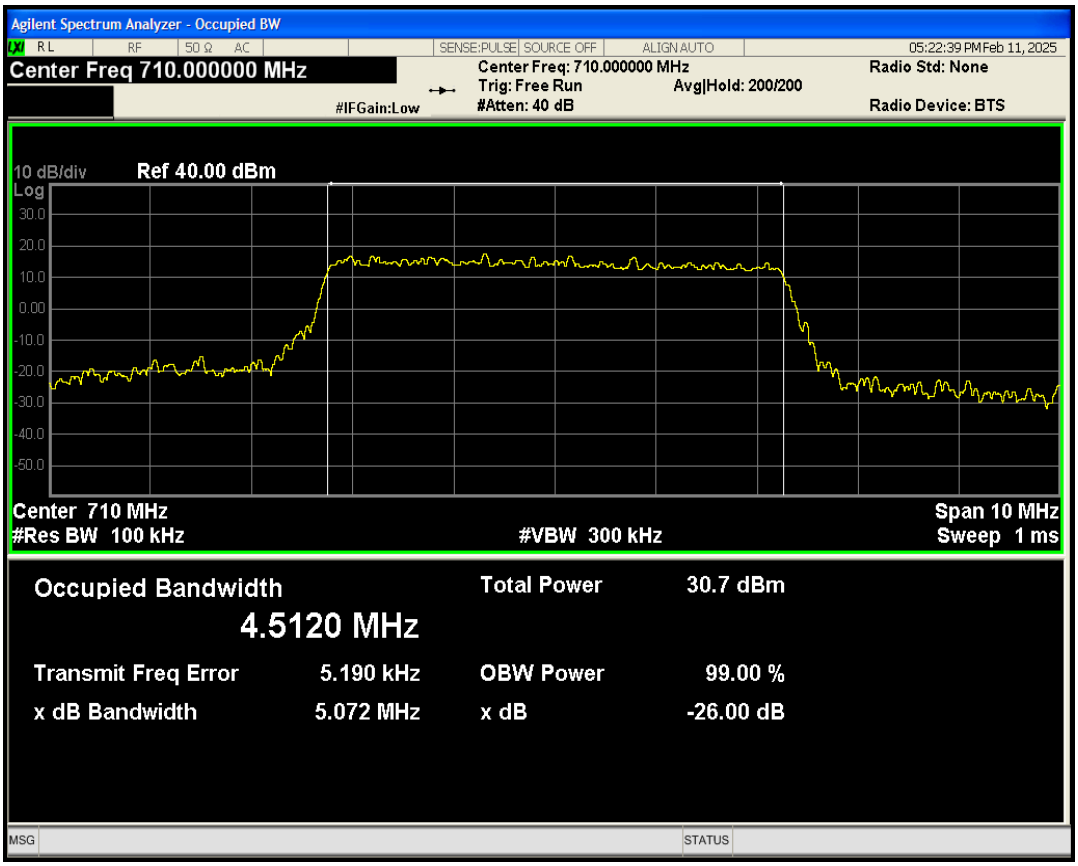
Band12 QAM16 BW=10MHz Channel=23095 RB Size=50 Position=#0



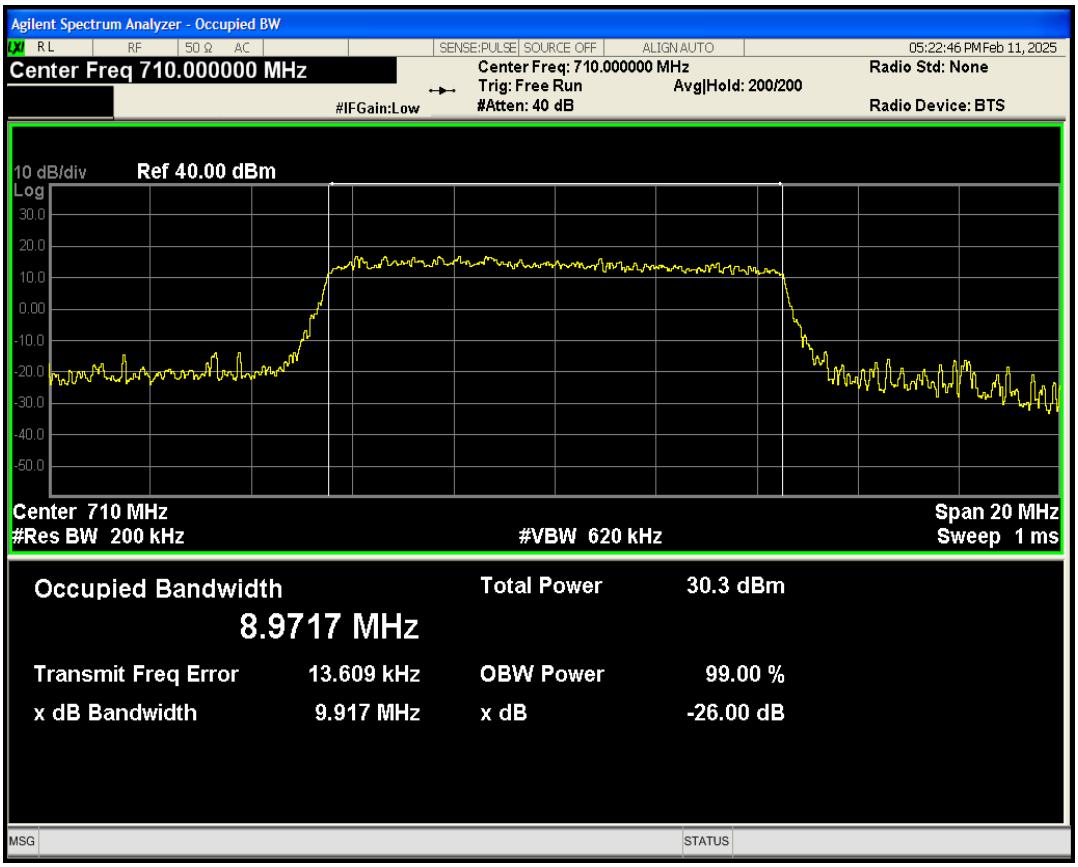
Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0



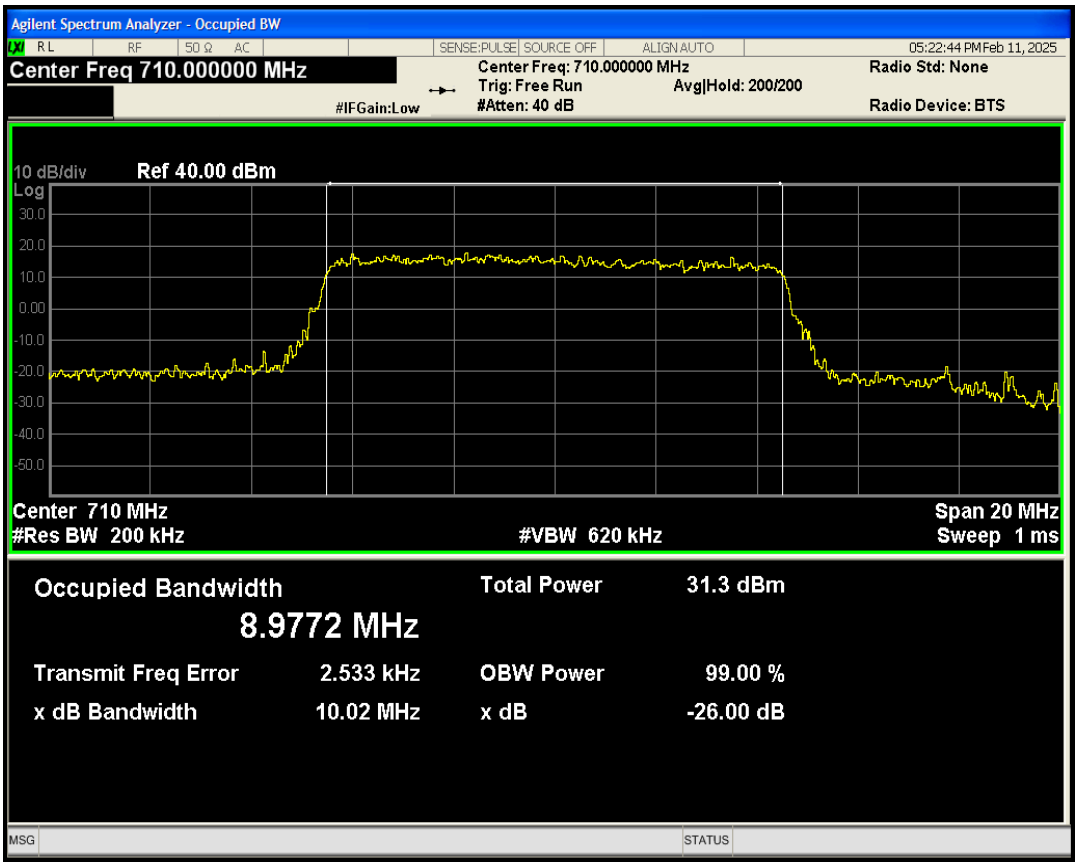
Band17 QAM16 BW=5MHz Channel=23790 RB Size=25 Position=#0



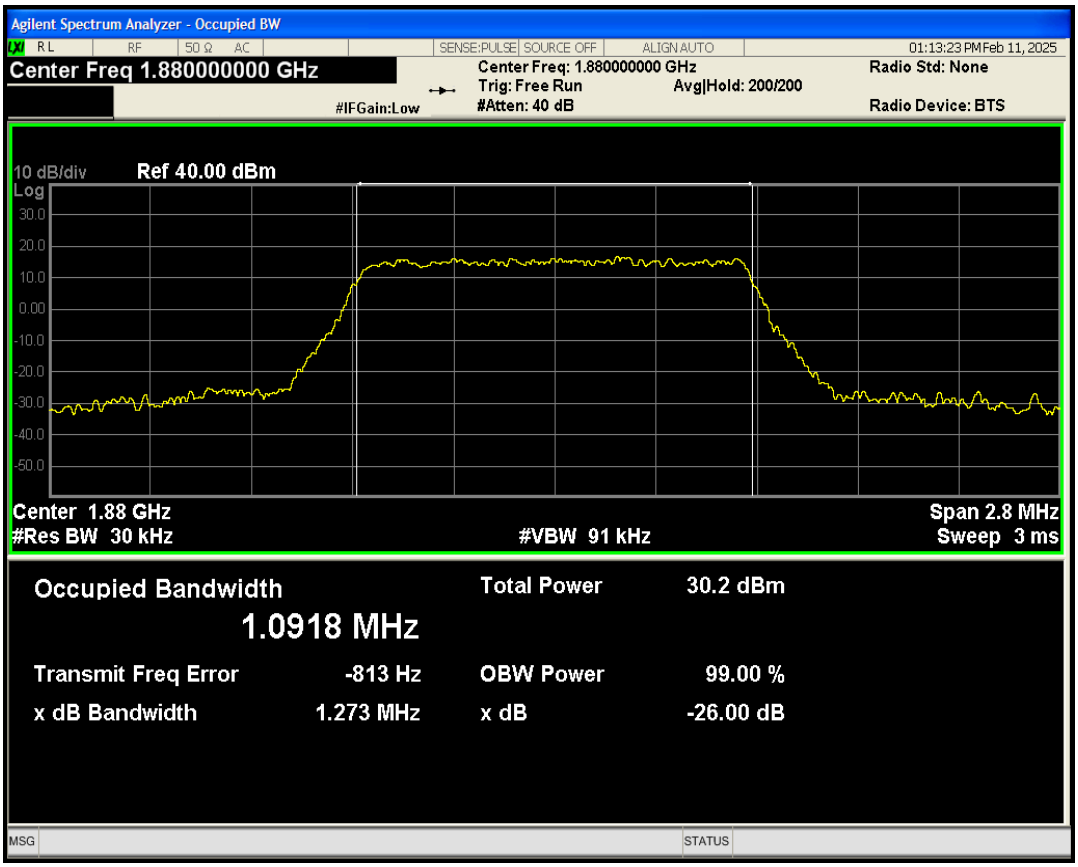
Band17 QAM16 BW=10MHz Channel=23790 RB Size=50 Position=#0



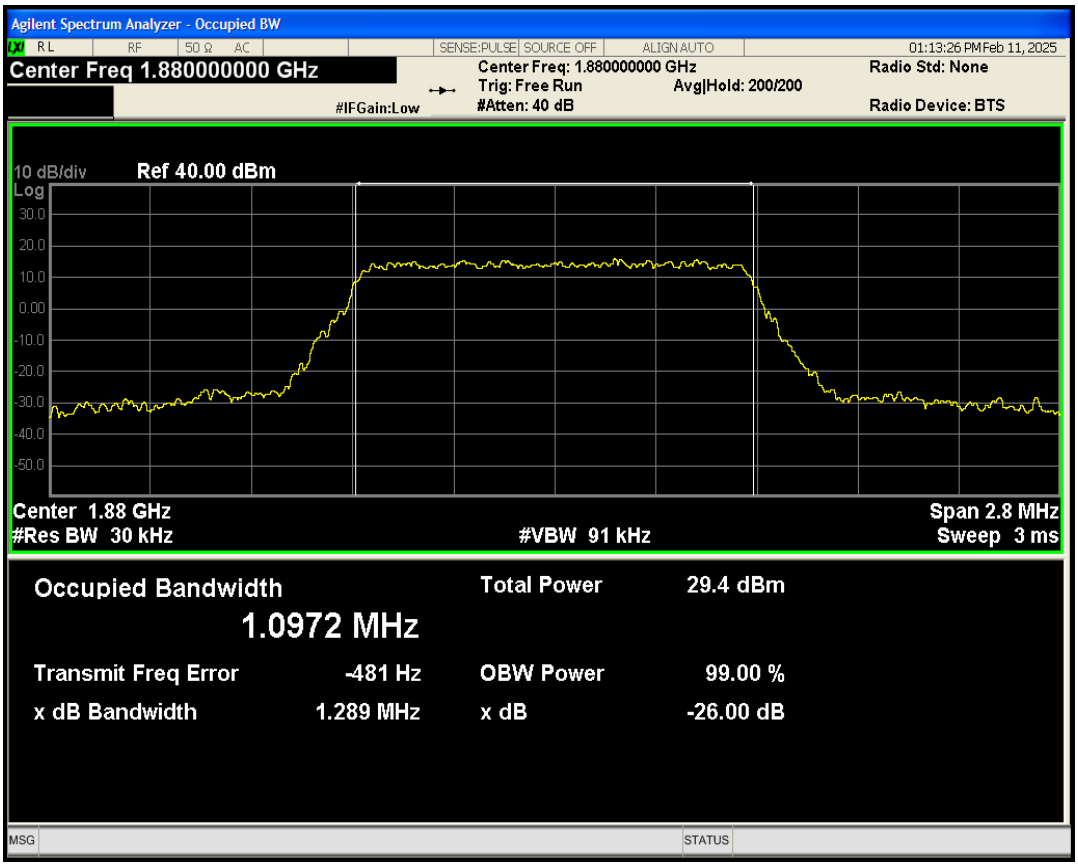
Band17 QPSK BW=10MHz Channel=23790 RB Size=50 Position=#0



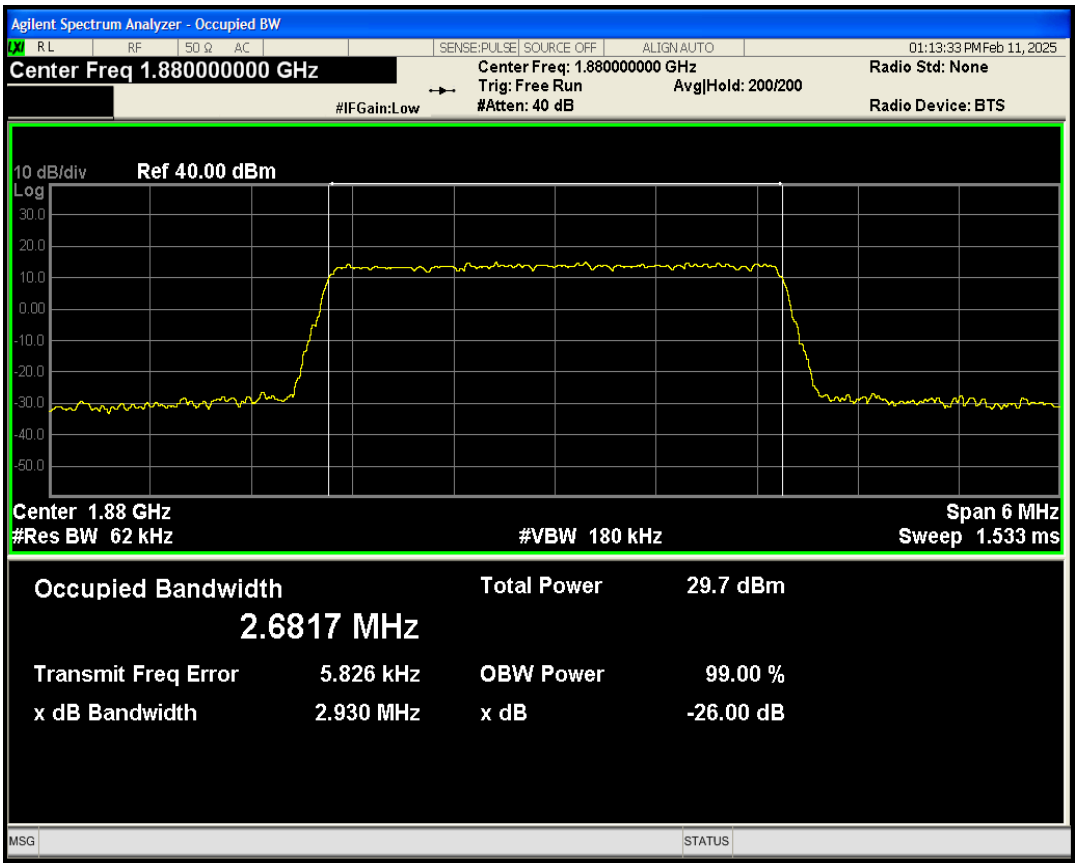
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



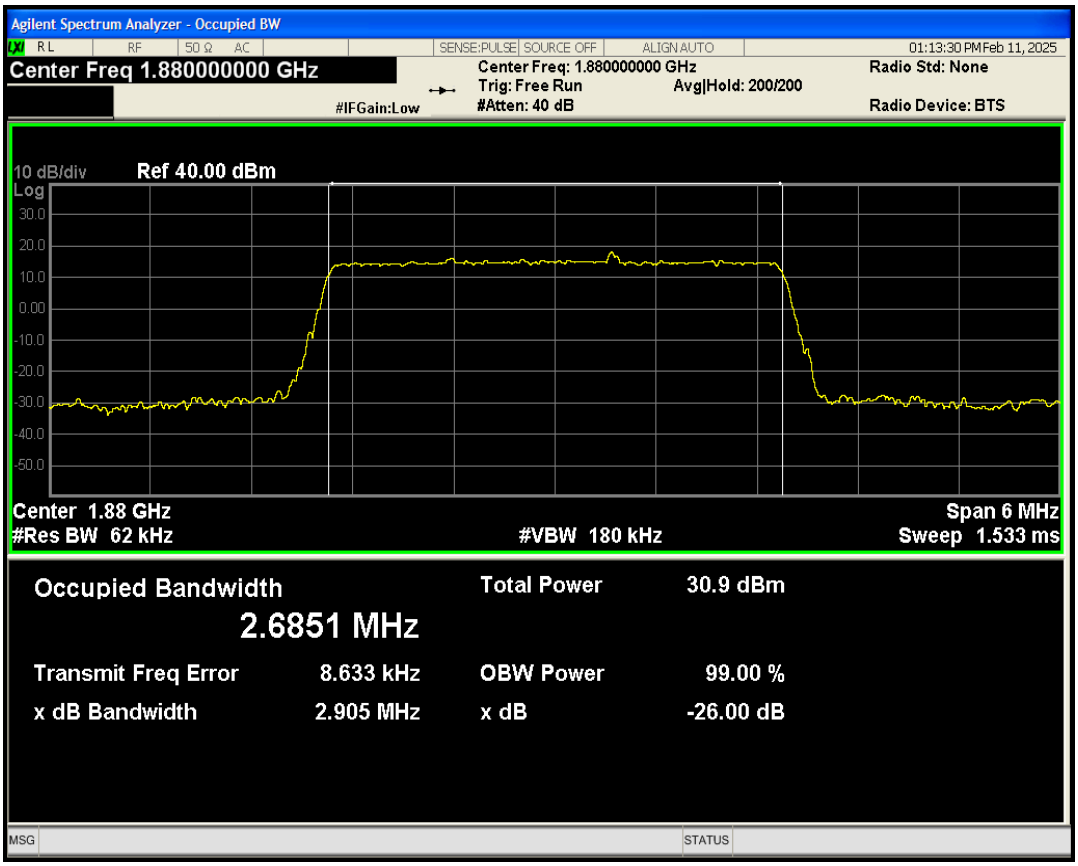
Band2 QAM16 BW=1.4MHz Channel=18900 RB Size=6 Position=#0



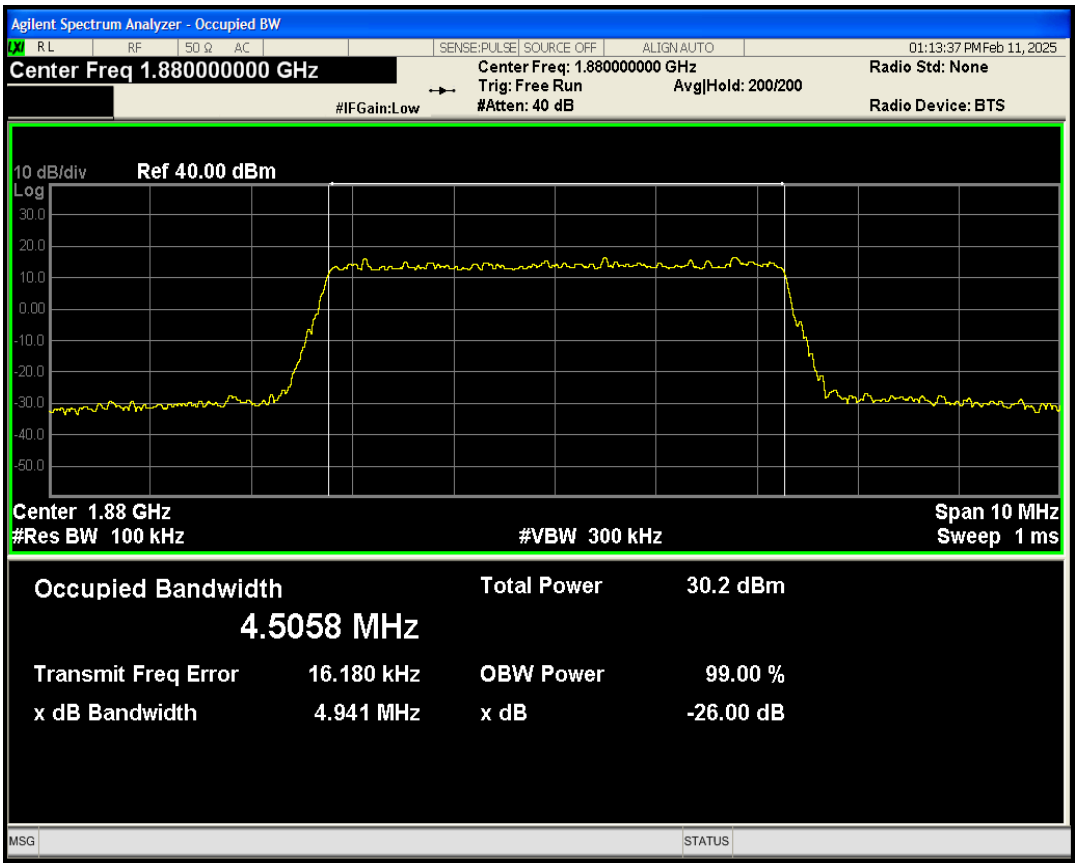
Band2 QAM16 BW=3MHz Channel=18900 RB Size=15 Position=#0



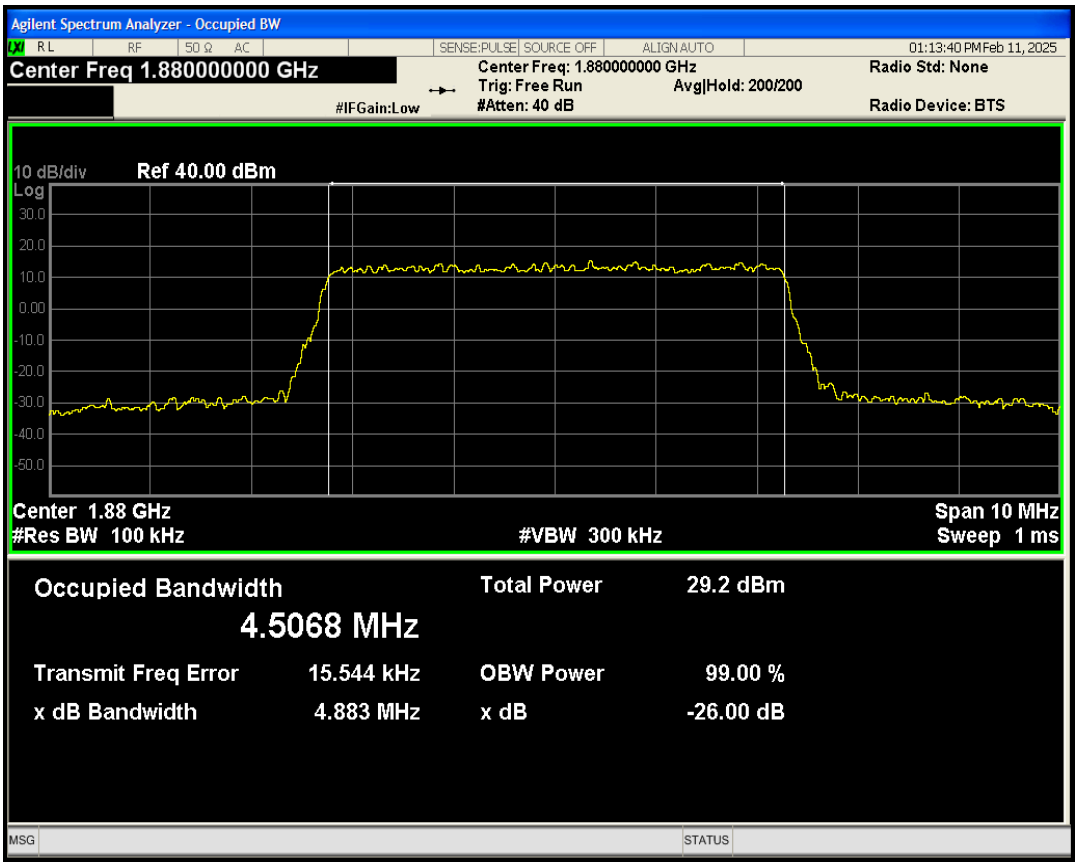
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



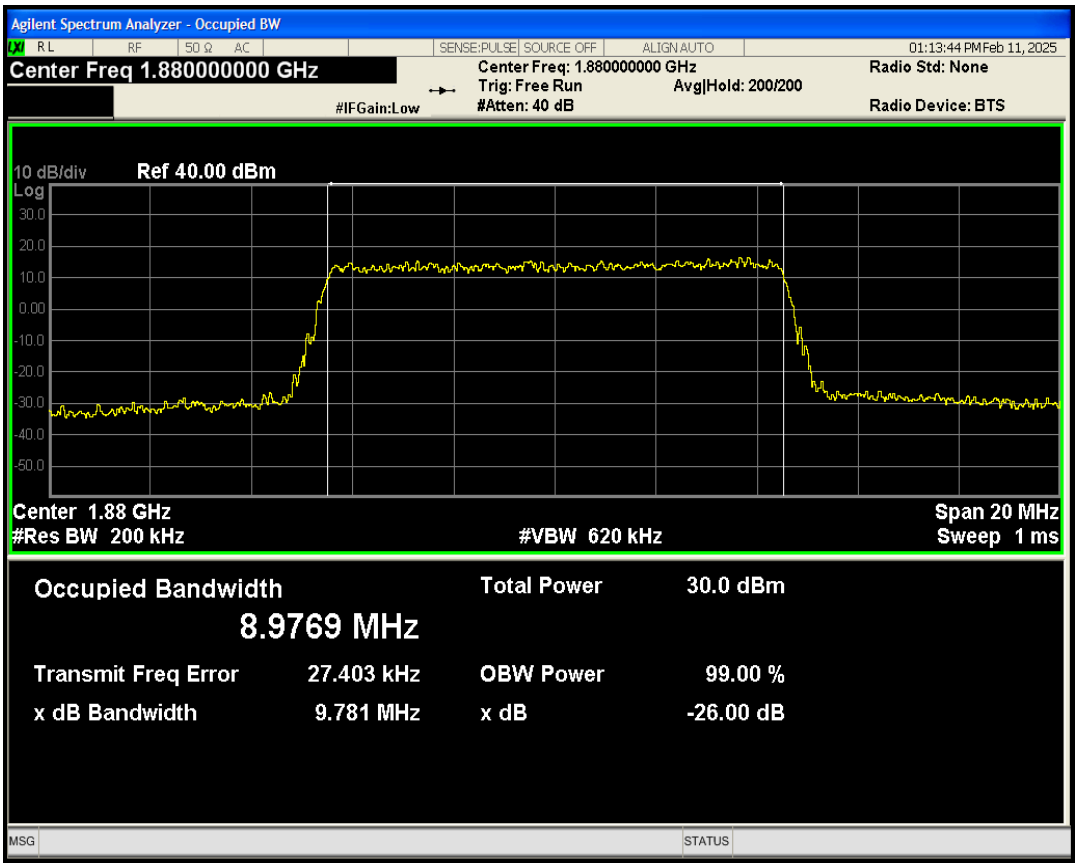
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



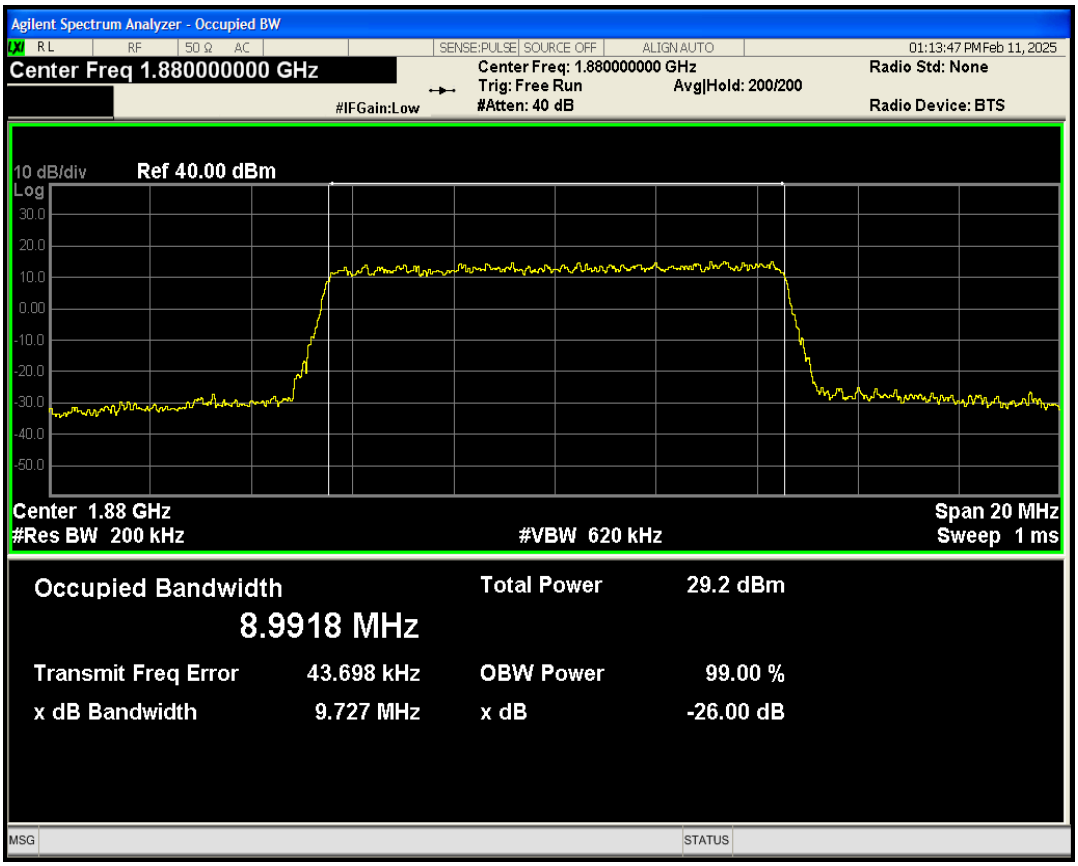
Band2 QAM16 BW=5MHz Channel=18900 RB Size=25 Position=#0



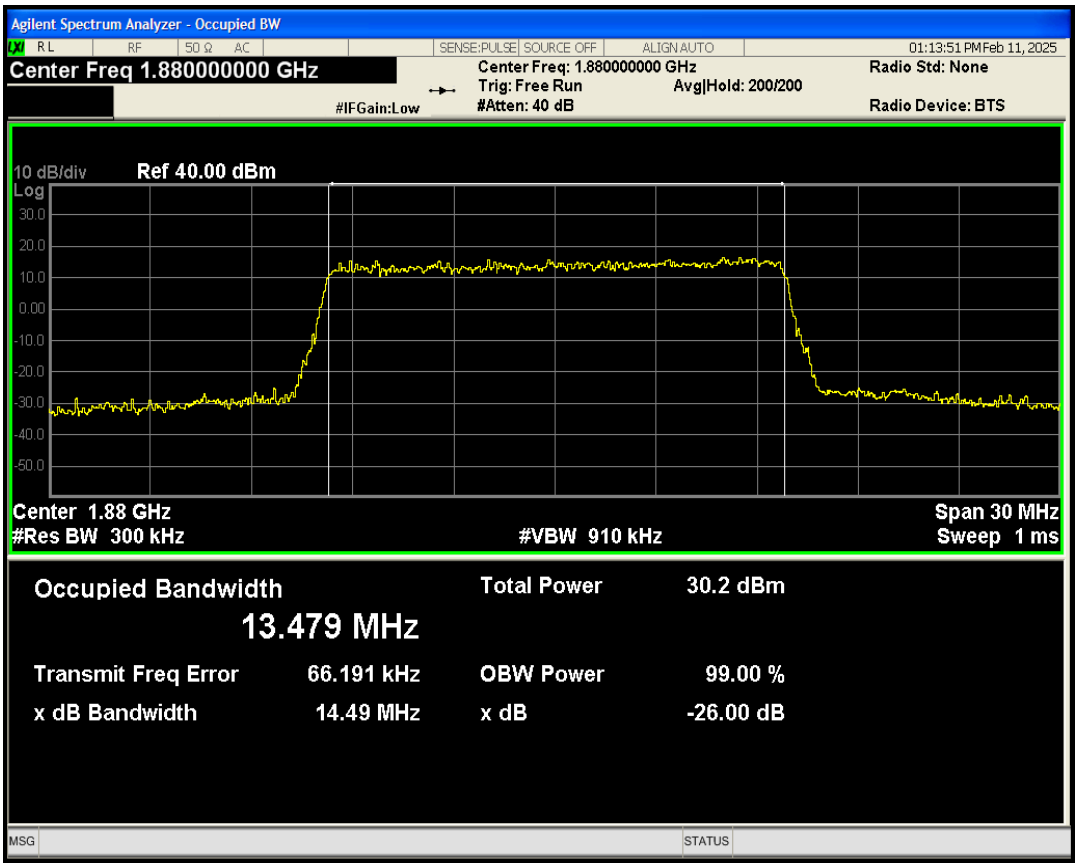
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



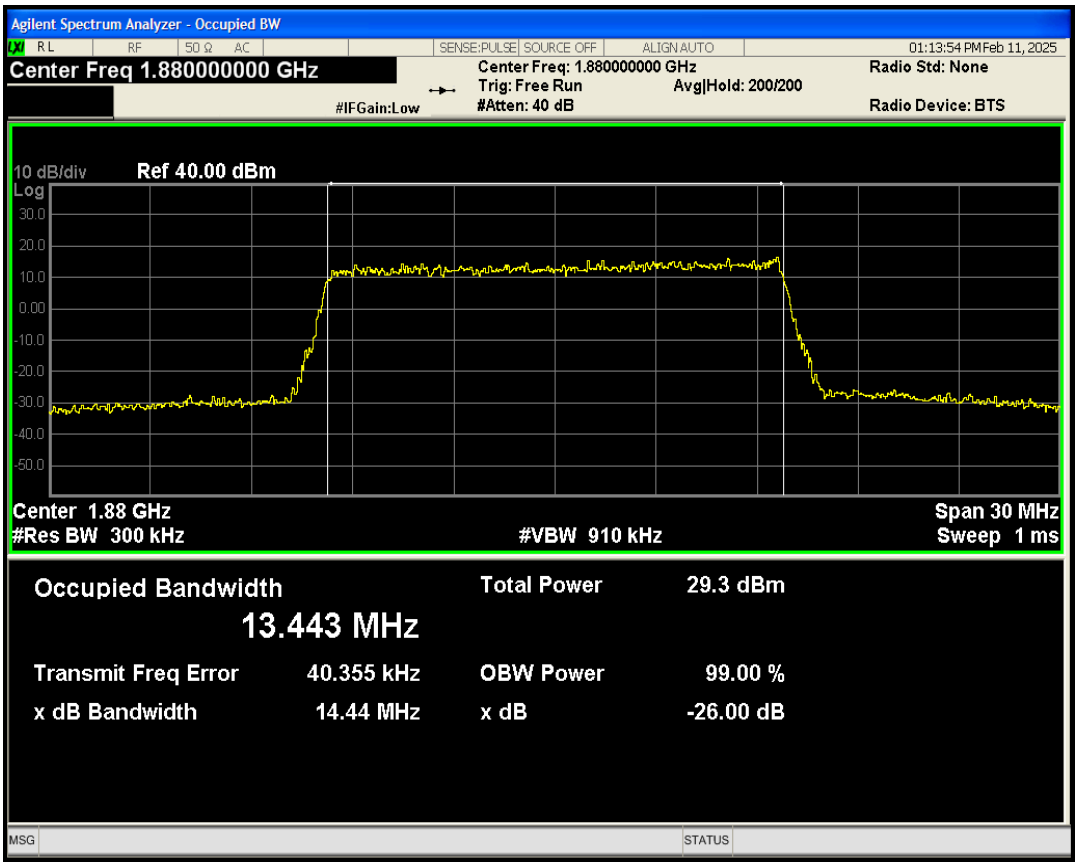
Band2 QAM16 BW=10MHz Channel=18900 RB Size=50 Position=#0



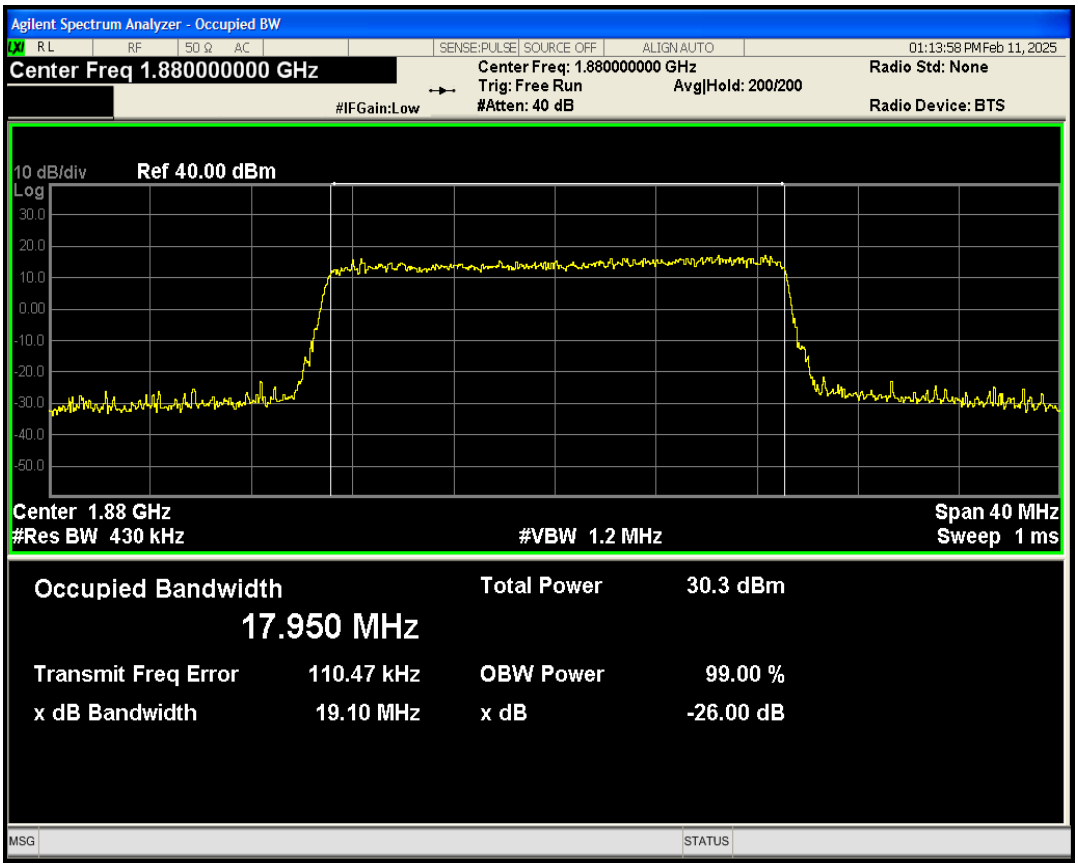
Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0



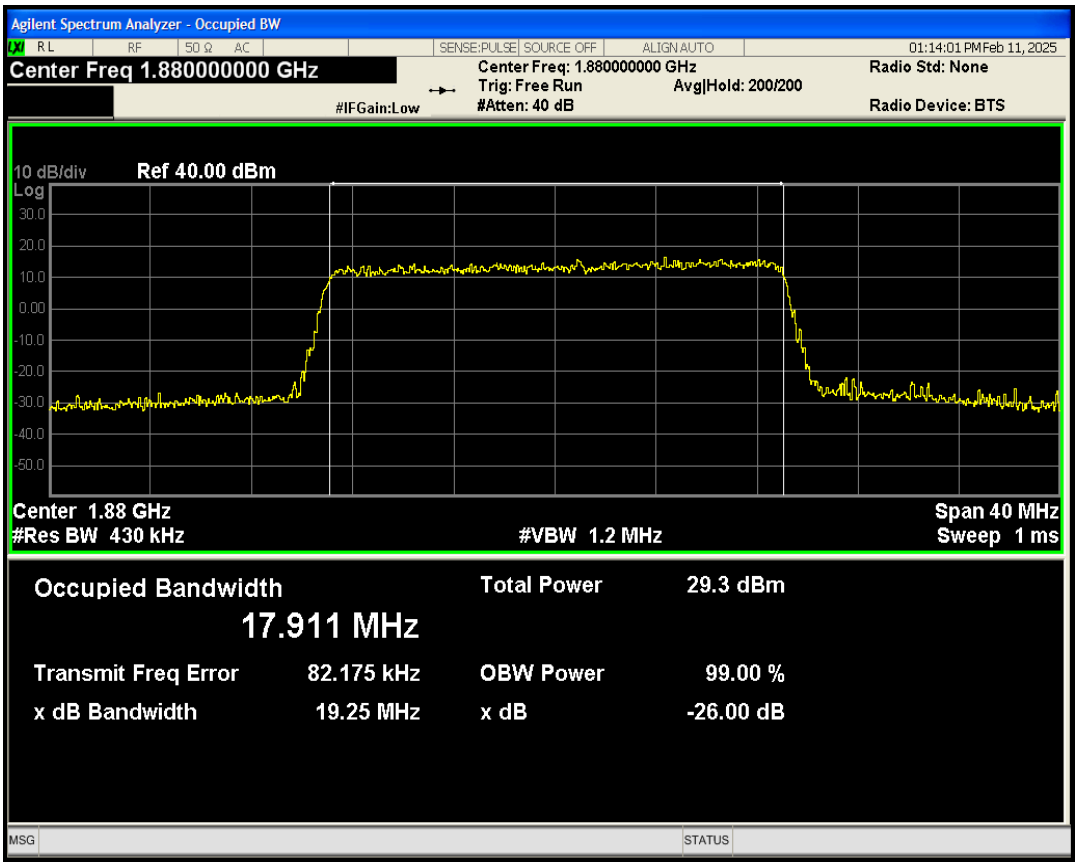
Band2 QAM16 BW=15MHz Channel=18900 RB Size=75 Position=#0



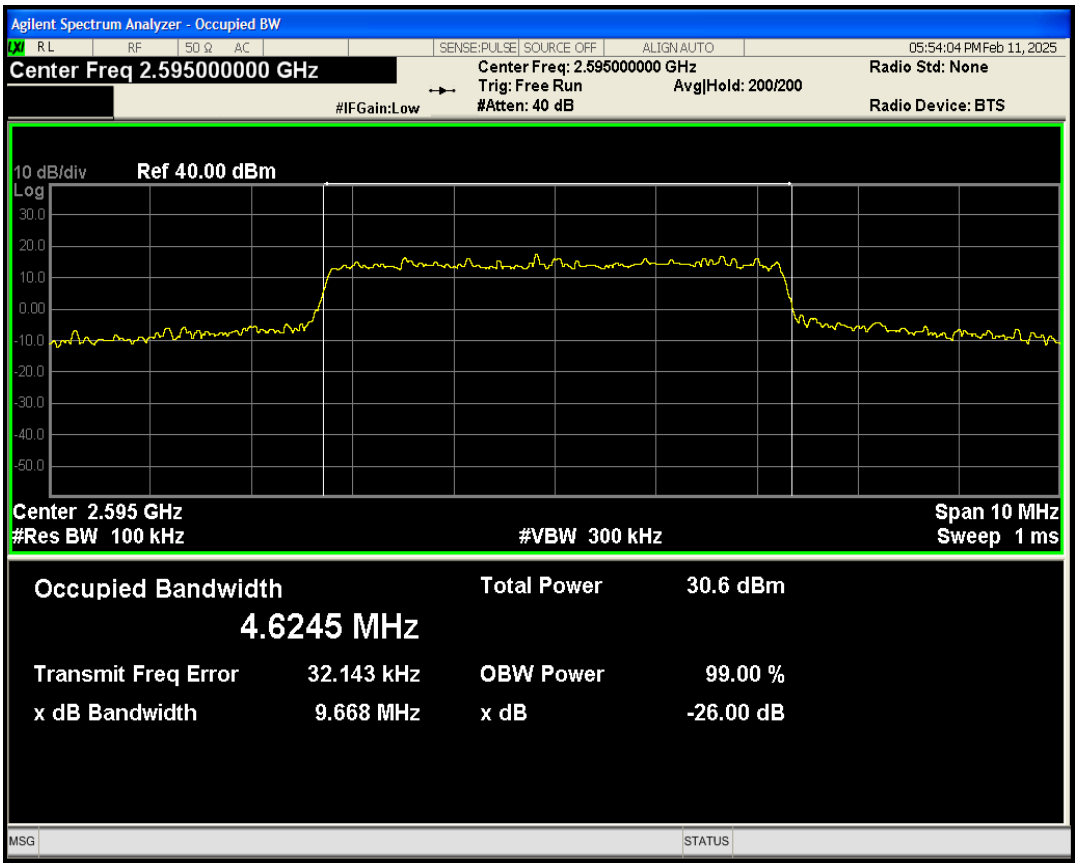
Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0



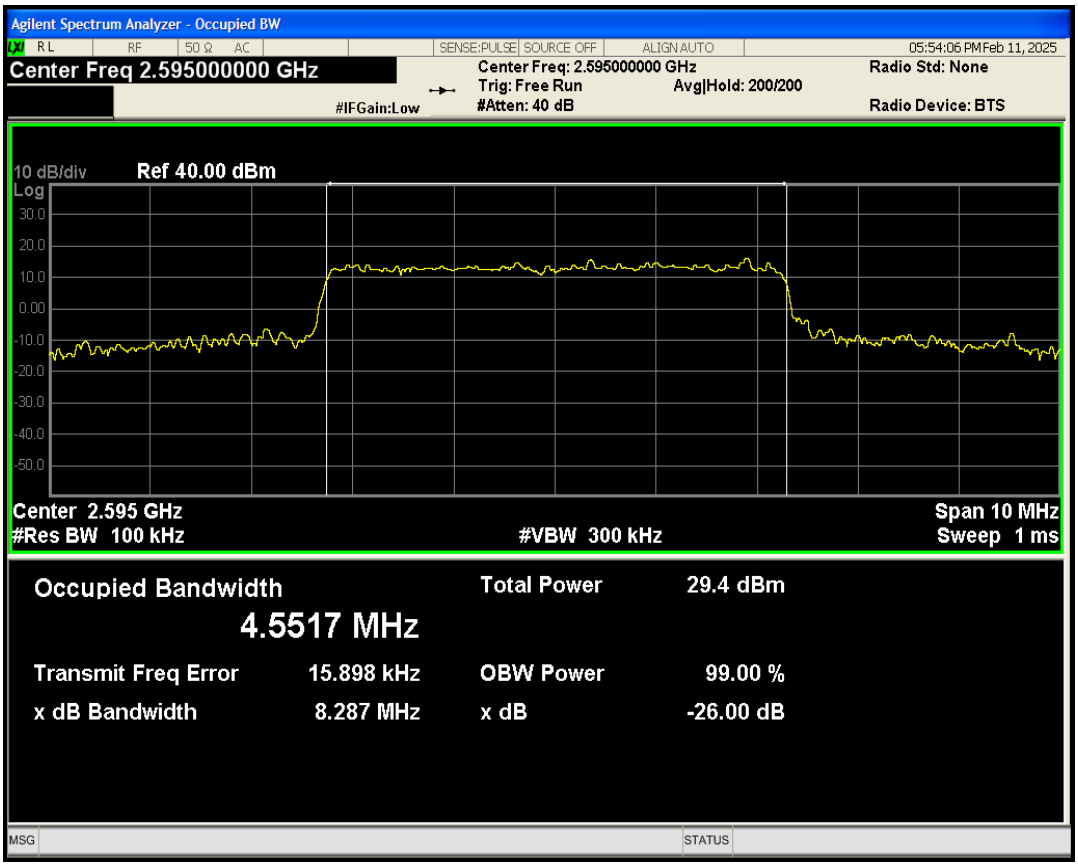
Band2 QAM16 BW=20MHz Channel=18900 RB Size=100 Position=#0



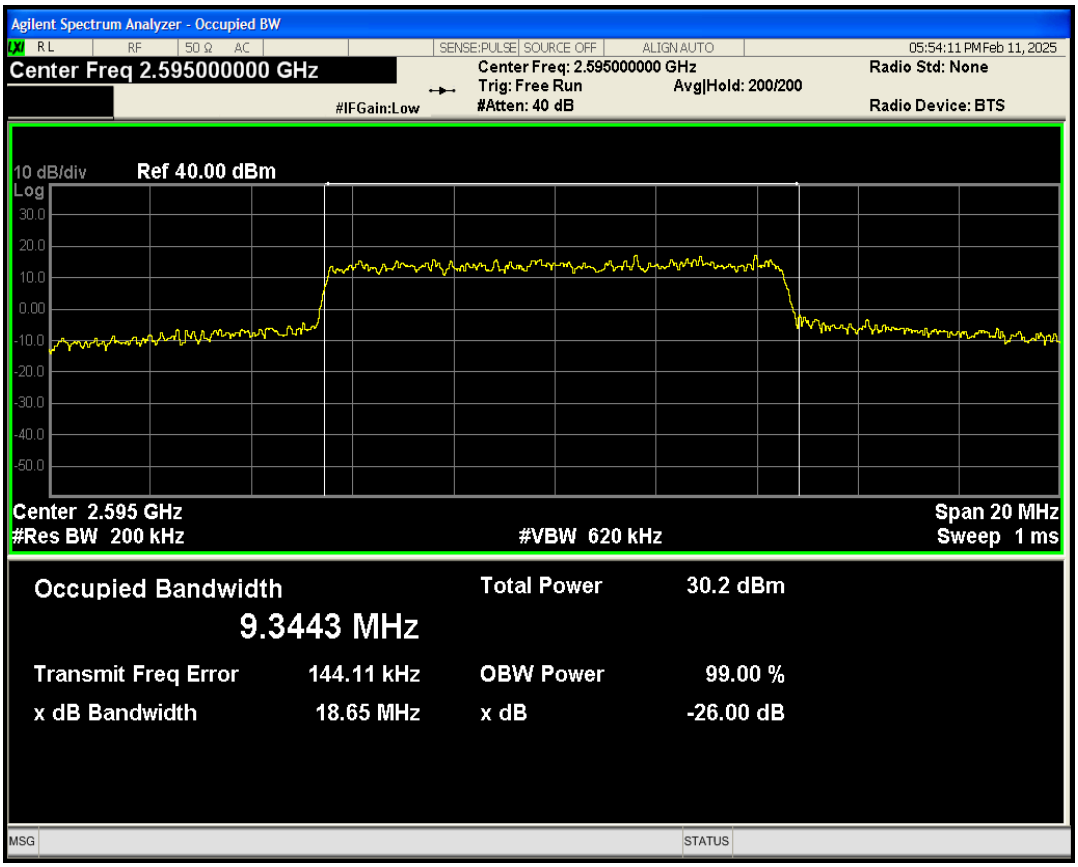
Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0



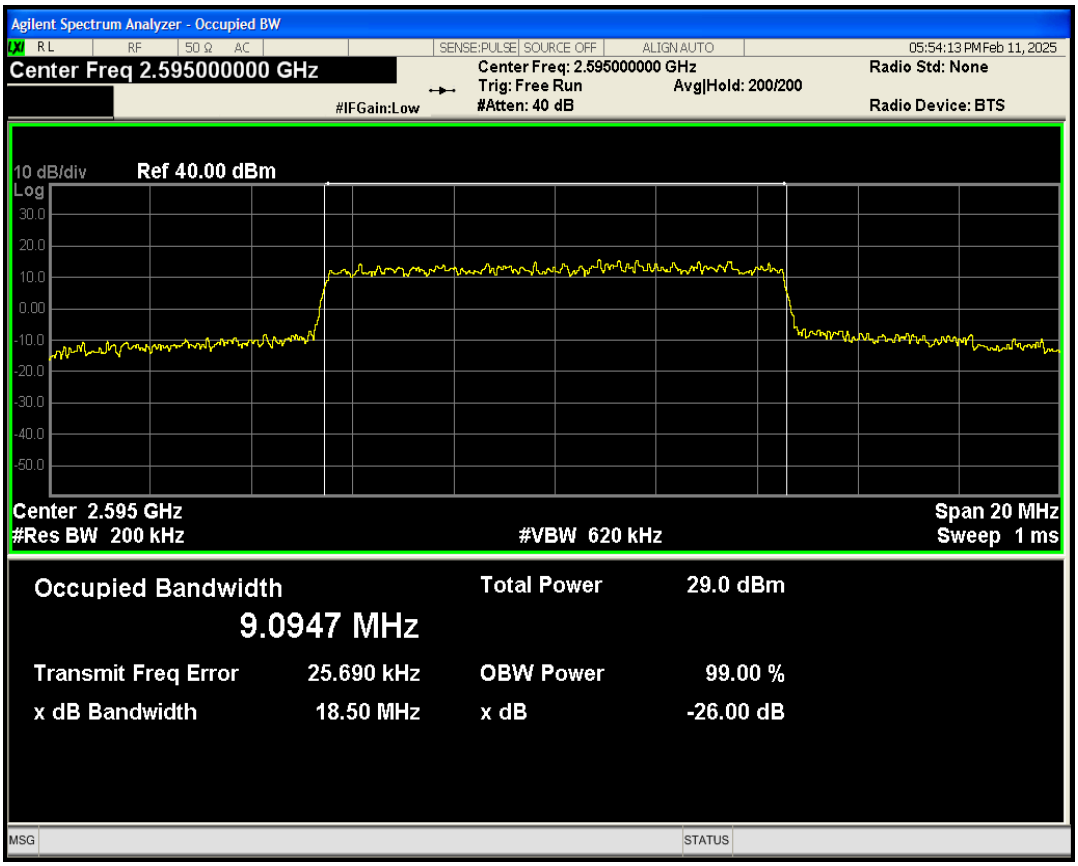
Band38 QAM16 BW=5MHz Channel=38000 RB Size=25 Position=#0



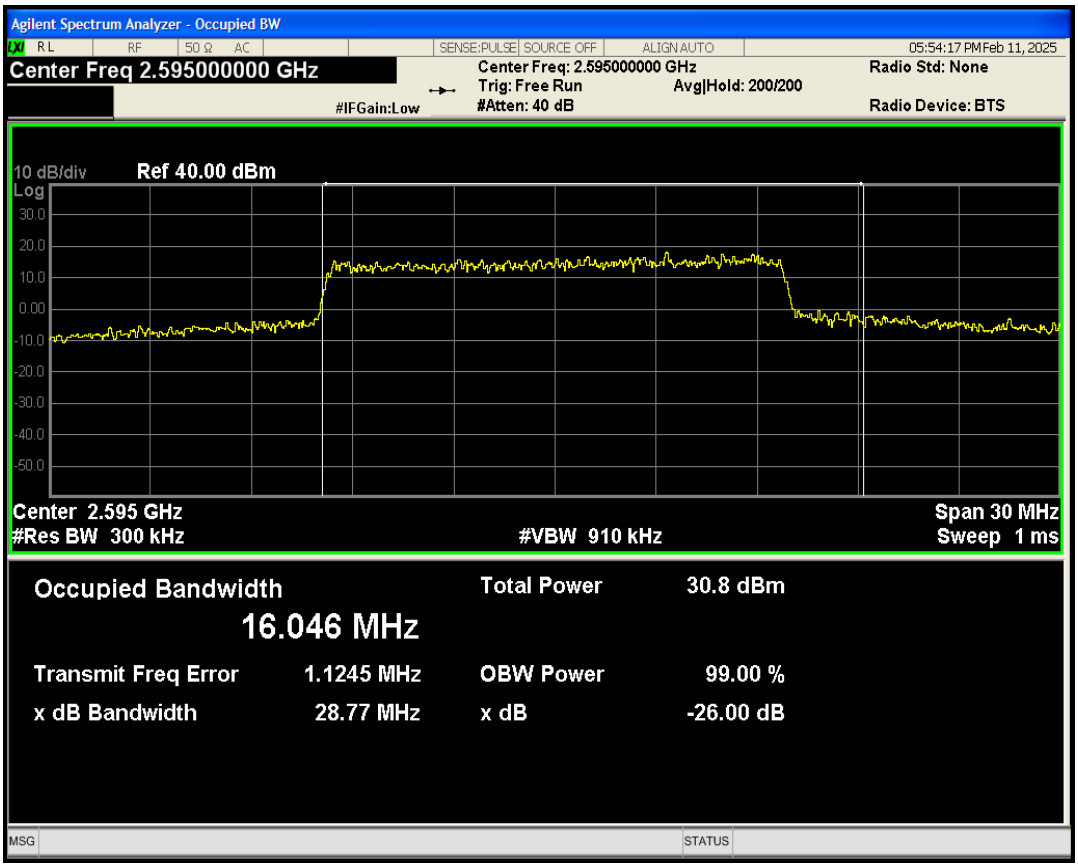
Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0



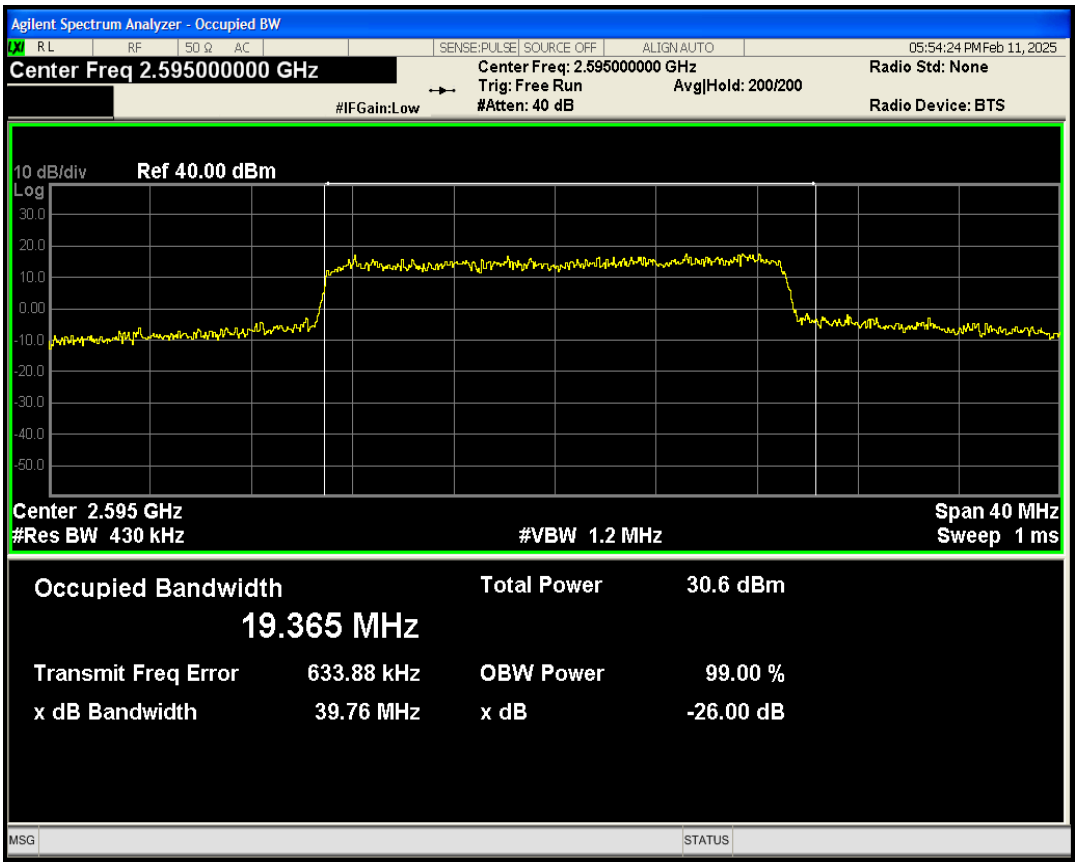
Band38 QAM16 BW=10MHz Channel=38000 RB Size=50 Position=#0



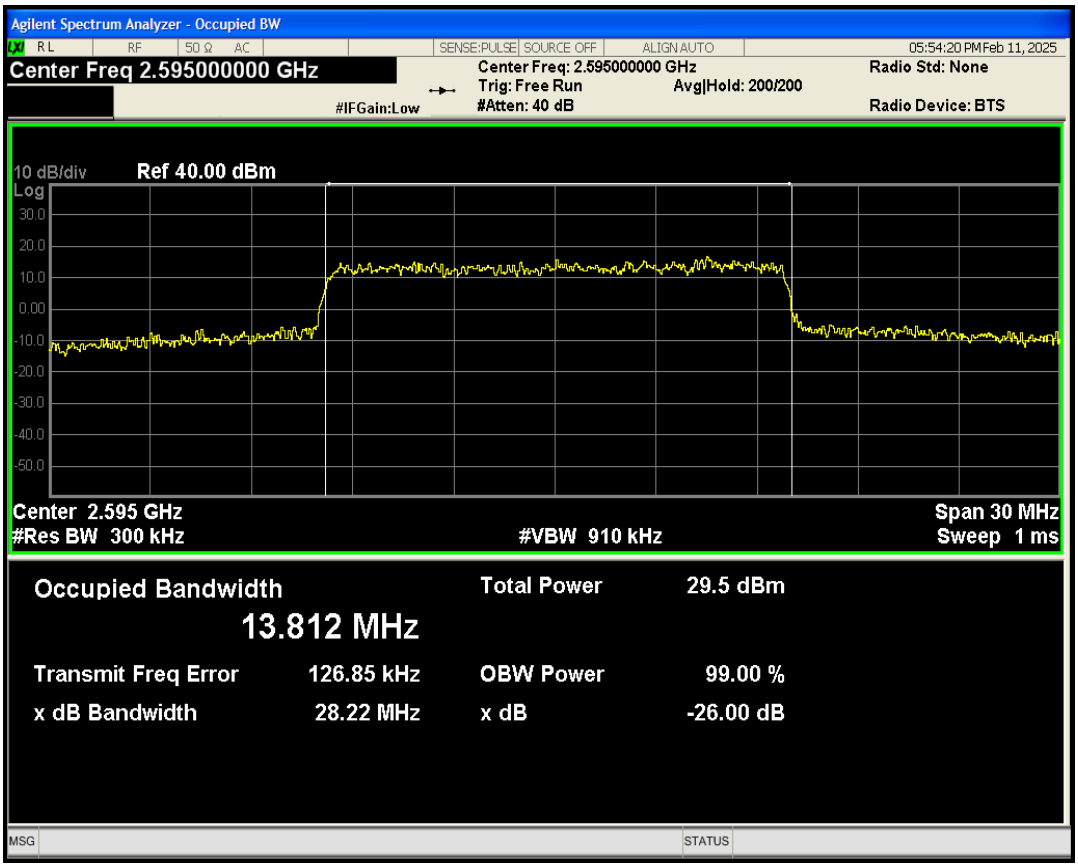
Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0



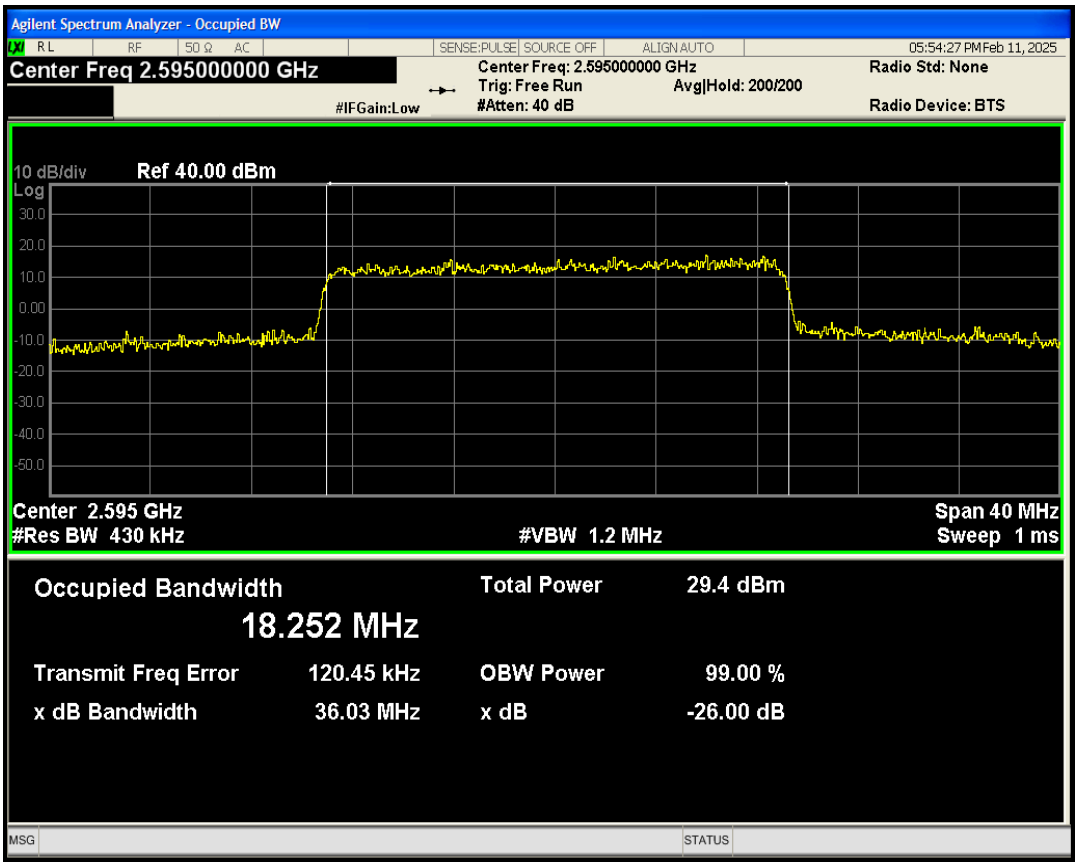
Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0



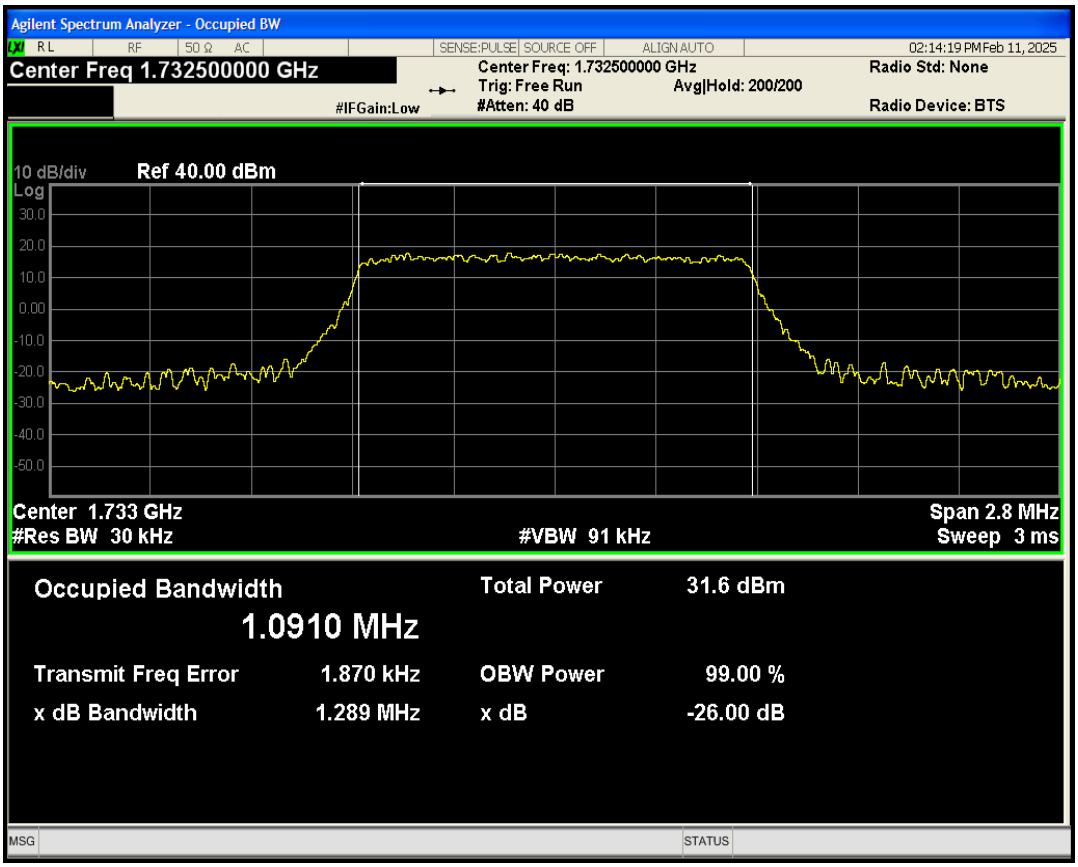
Band38 QAM16 BW=15MHz Channel=38000 RB Size=75 Position=#0



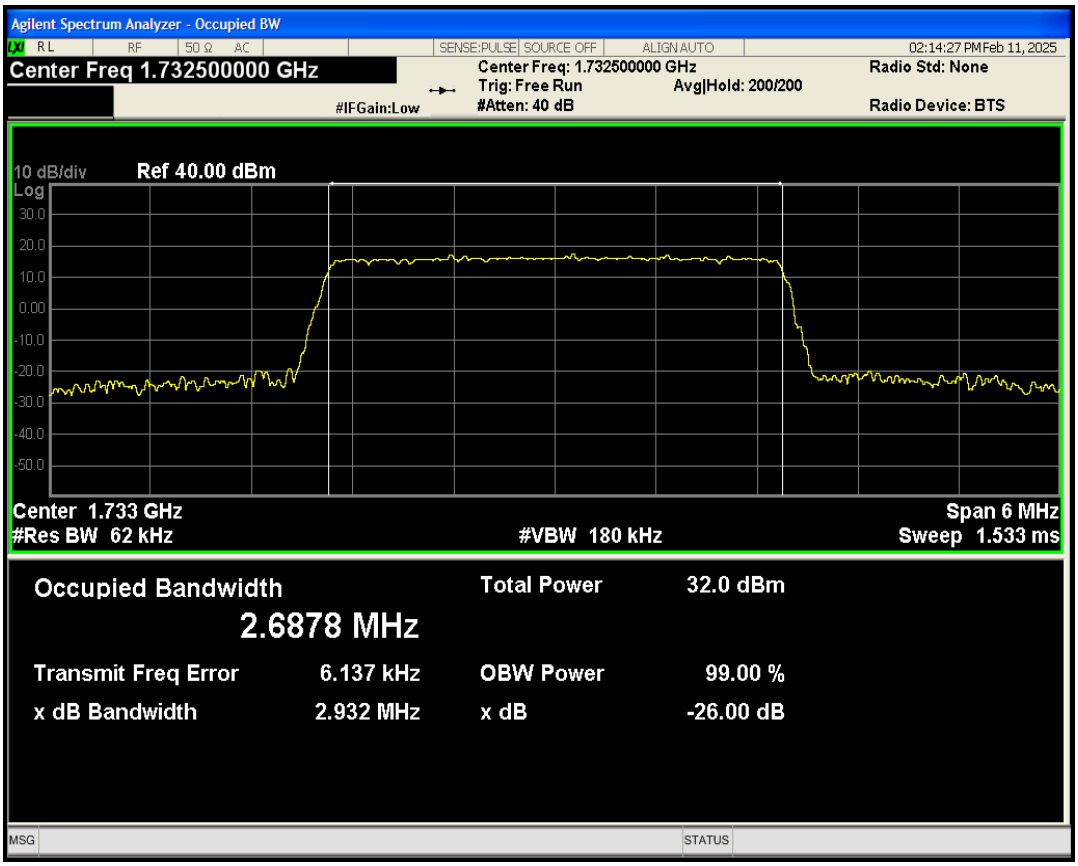
Band38 QAM16 BW=20MHz Channel=38000 RB Size=100 Position=#0



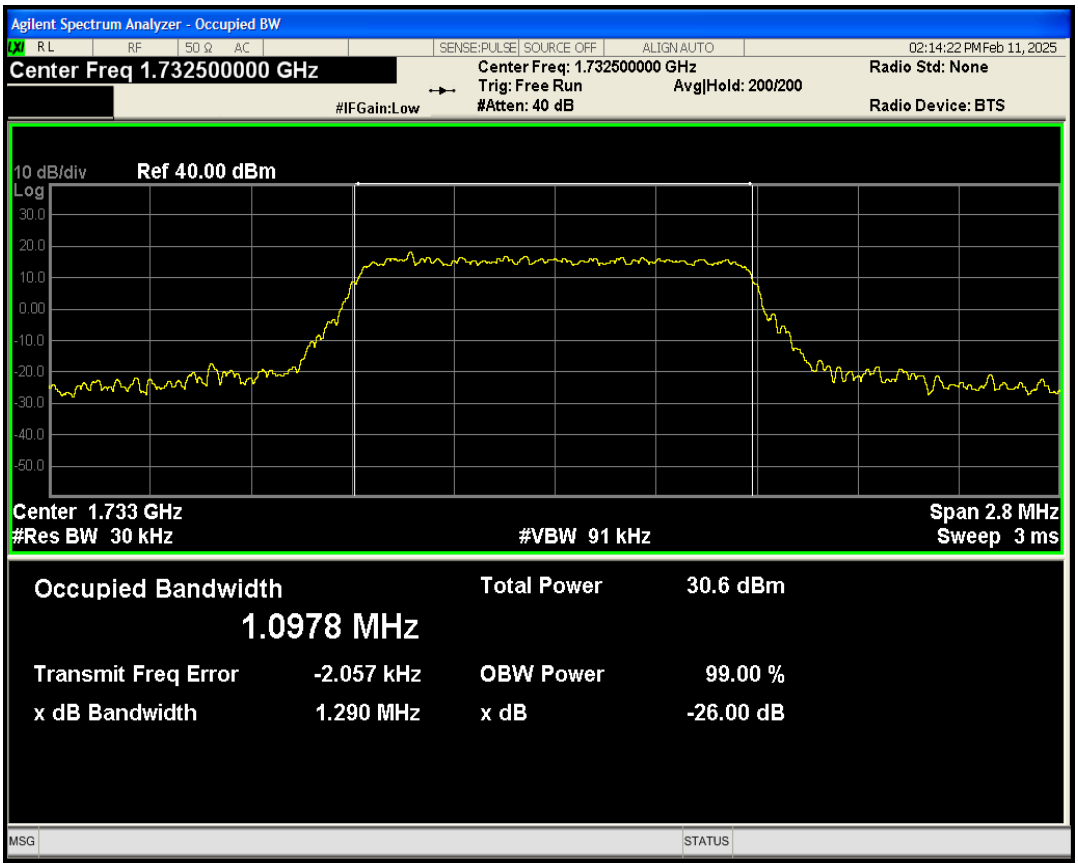
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



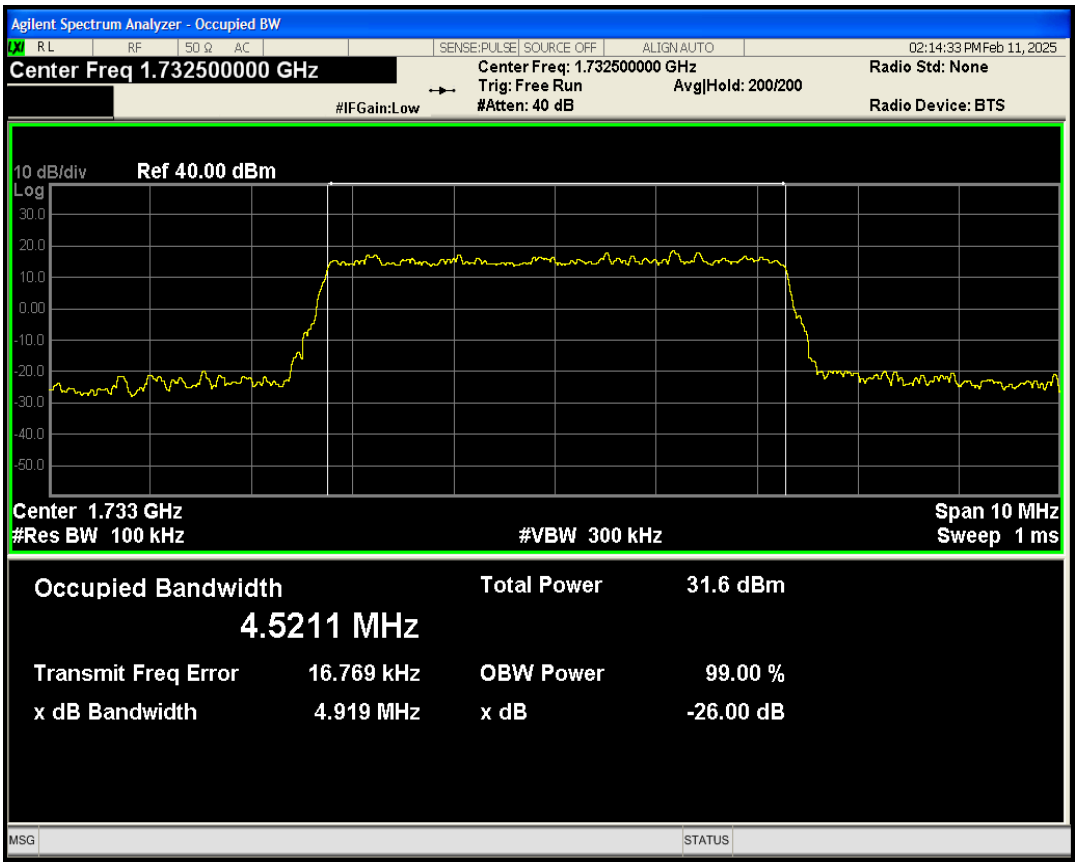
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



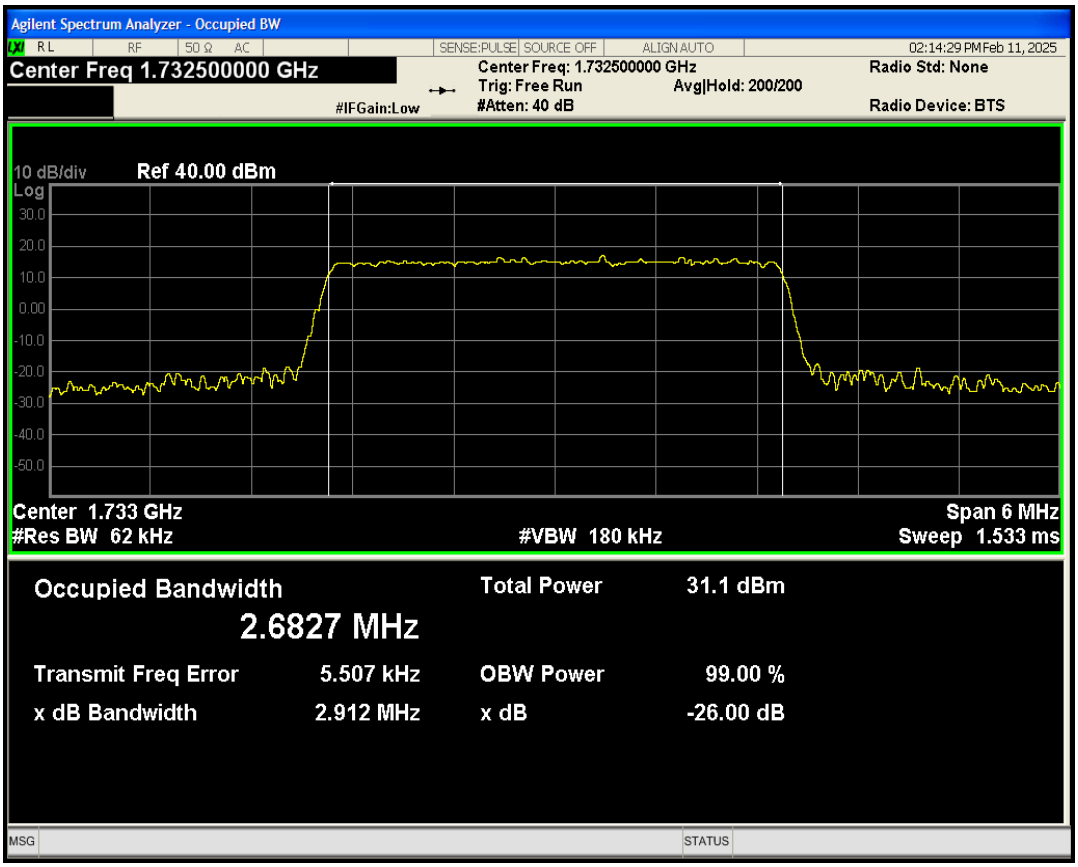
Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0



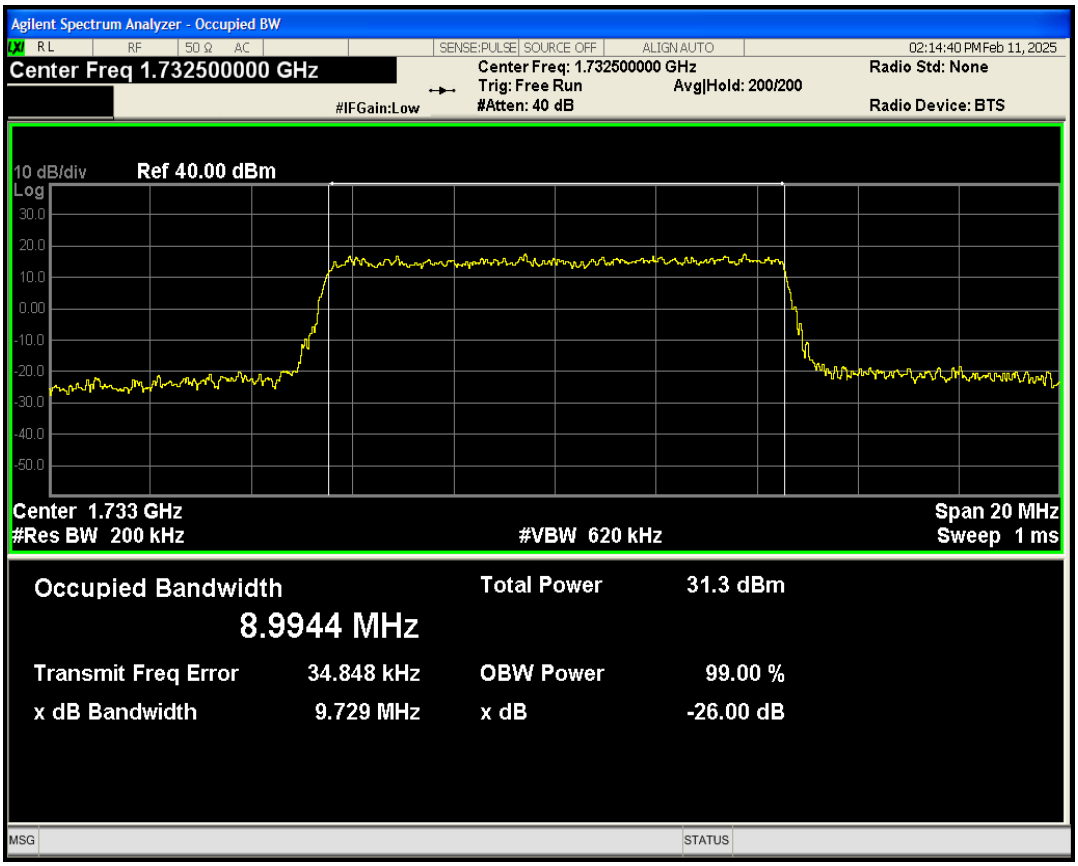
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



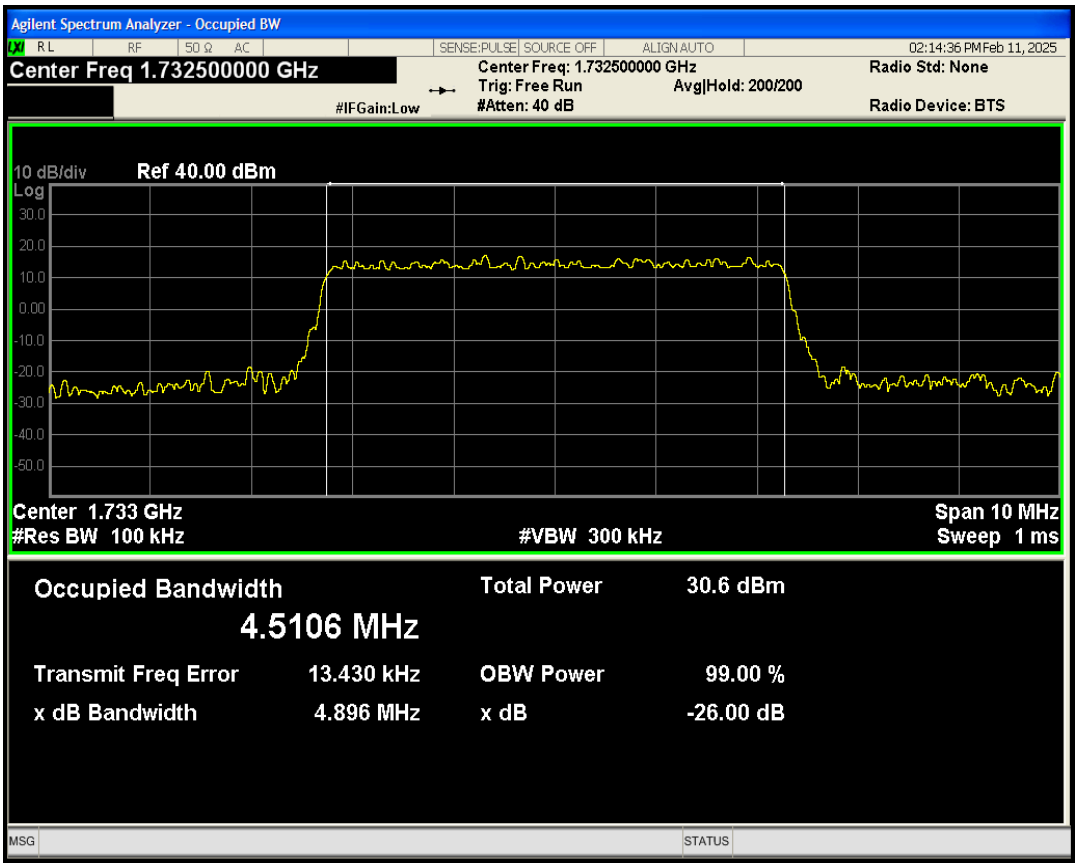
Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0



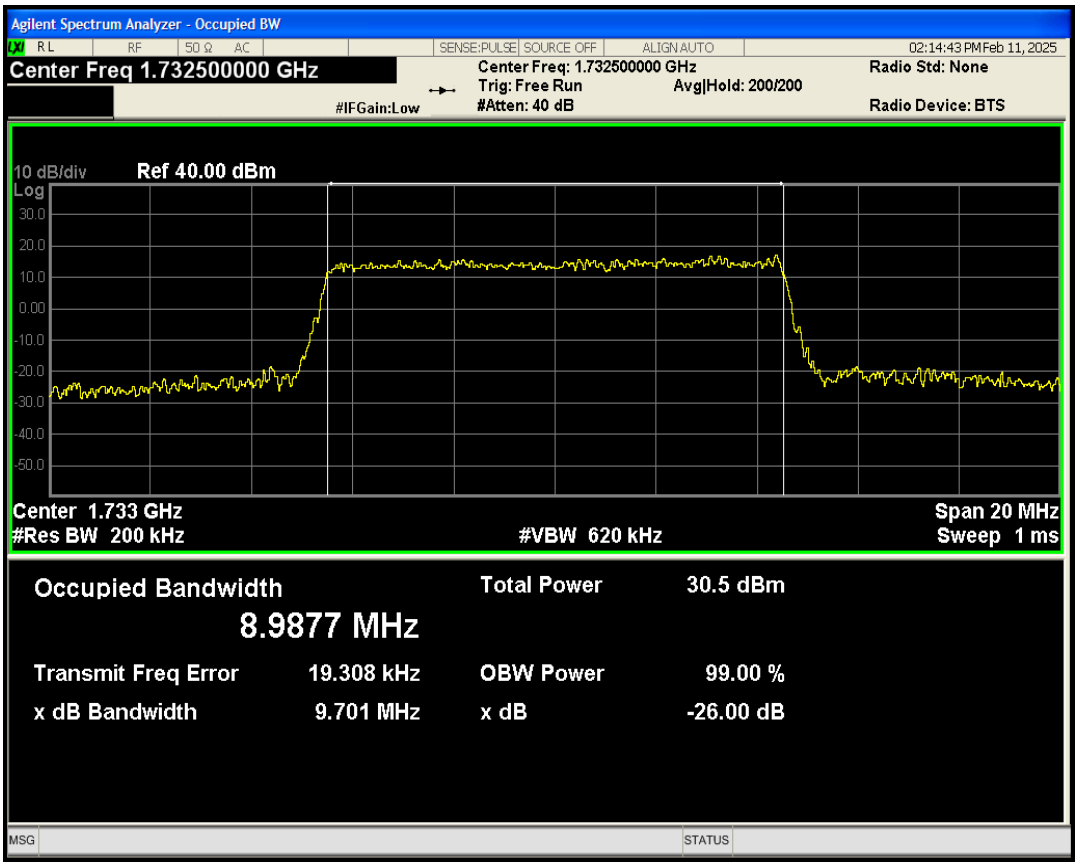
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



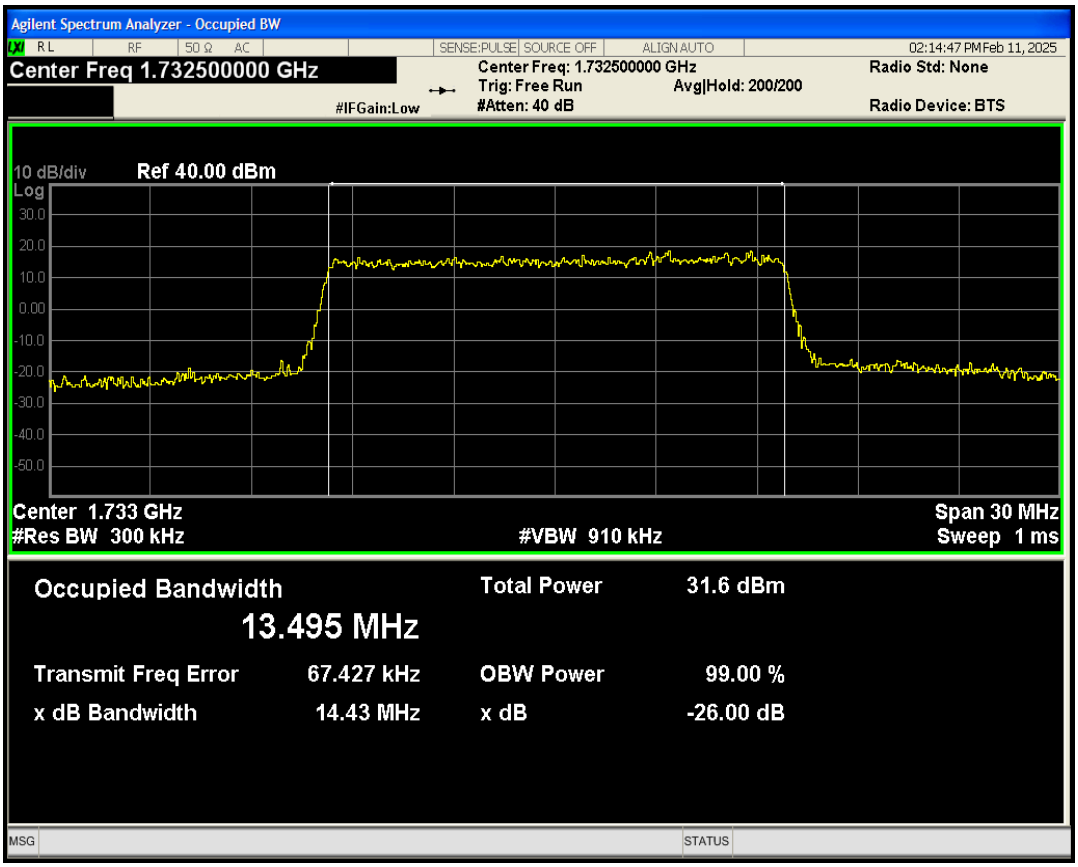
Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0



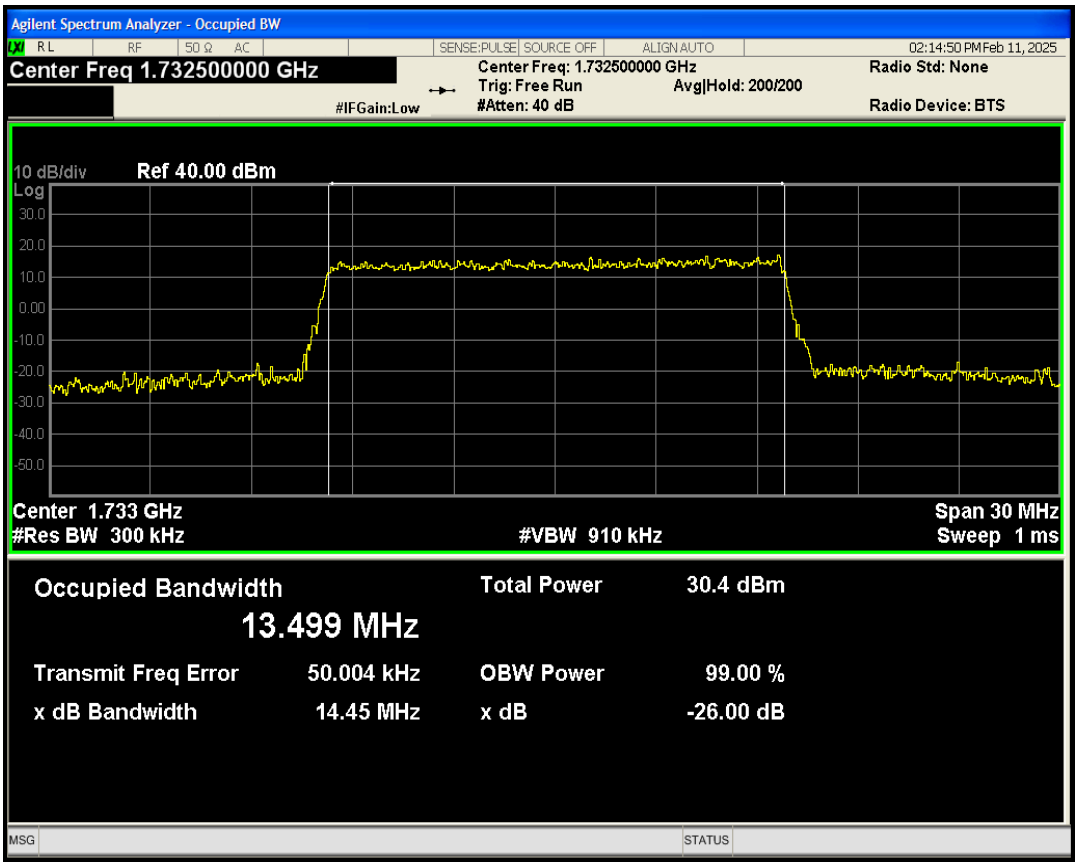
Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0



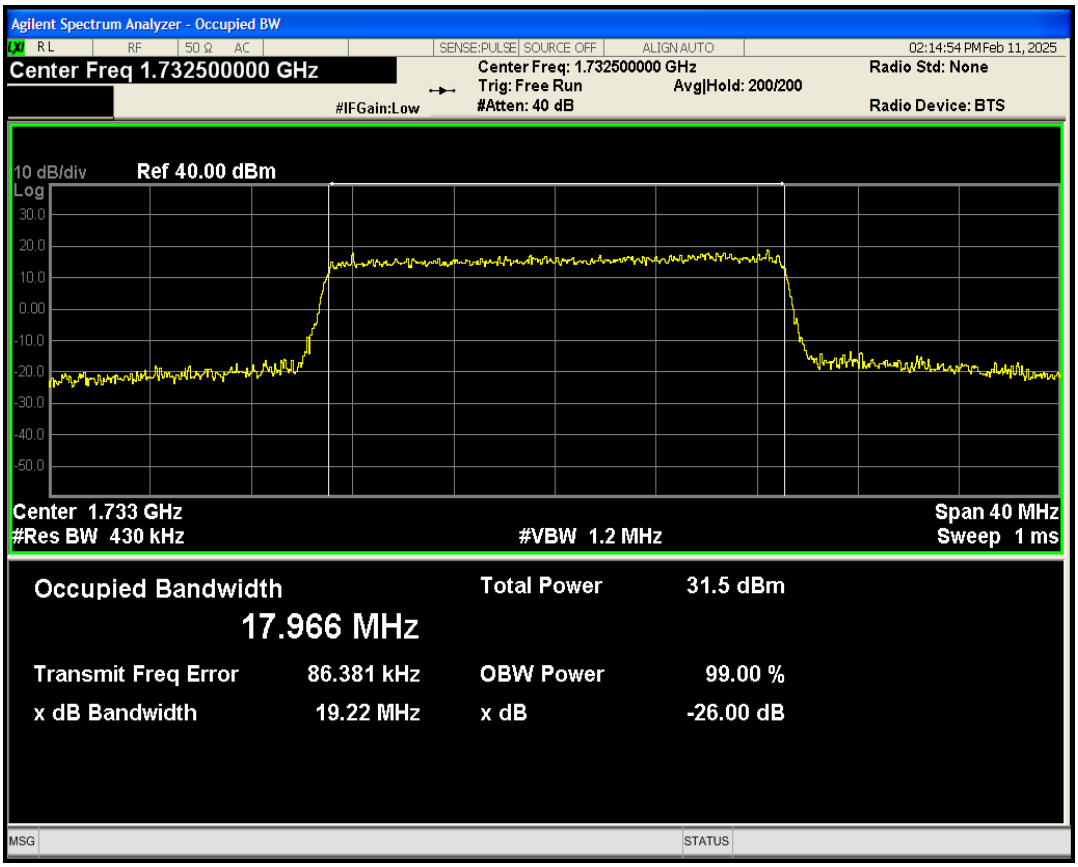
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



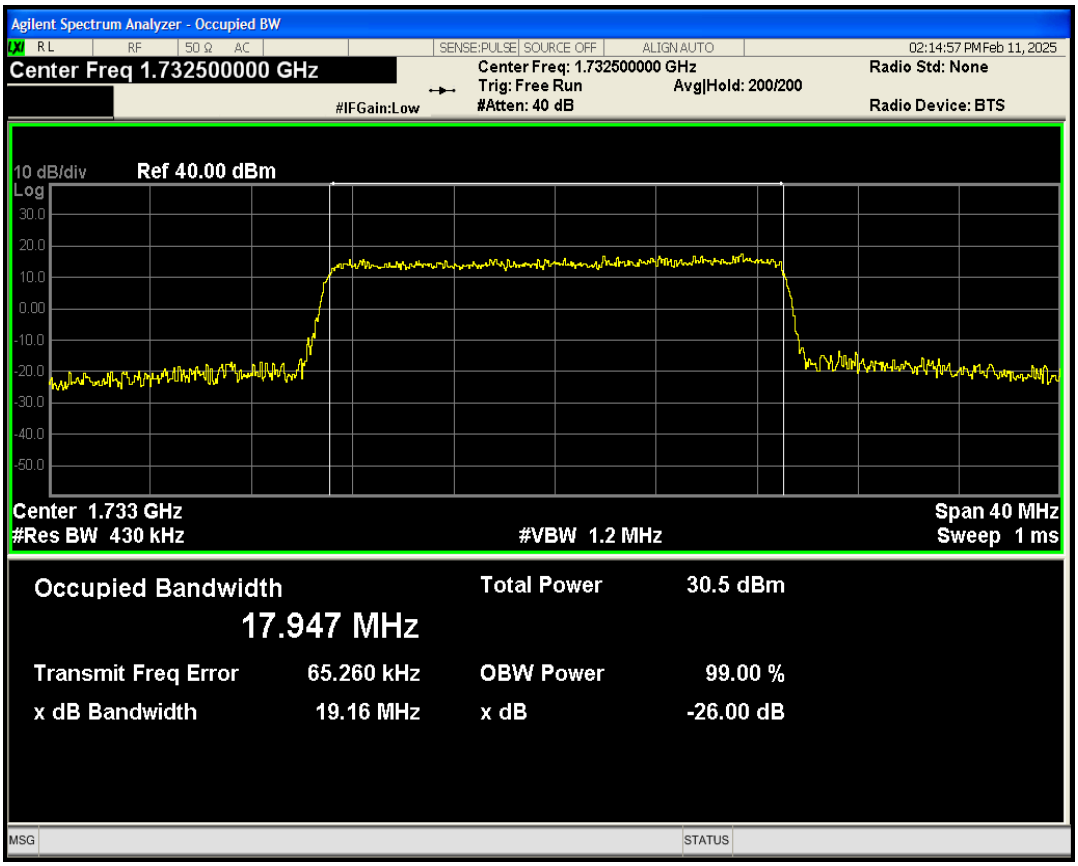
Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0



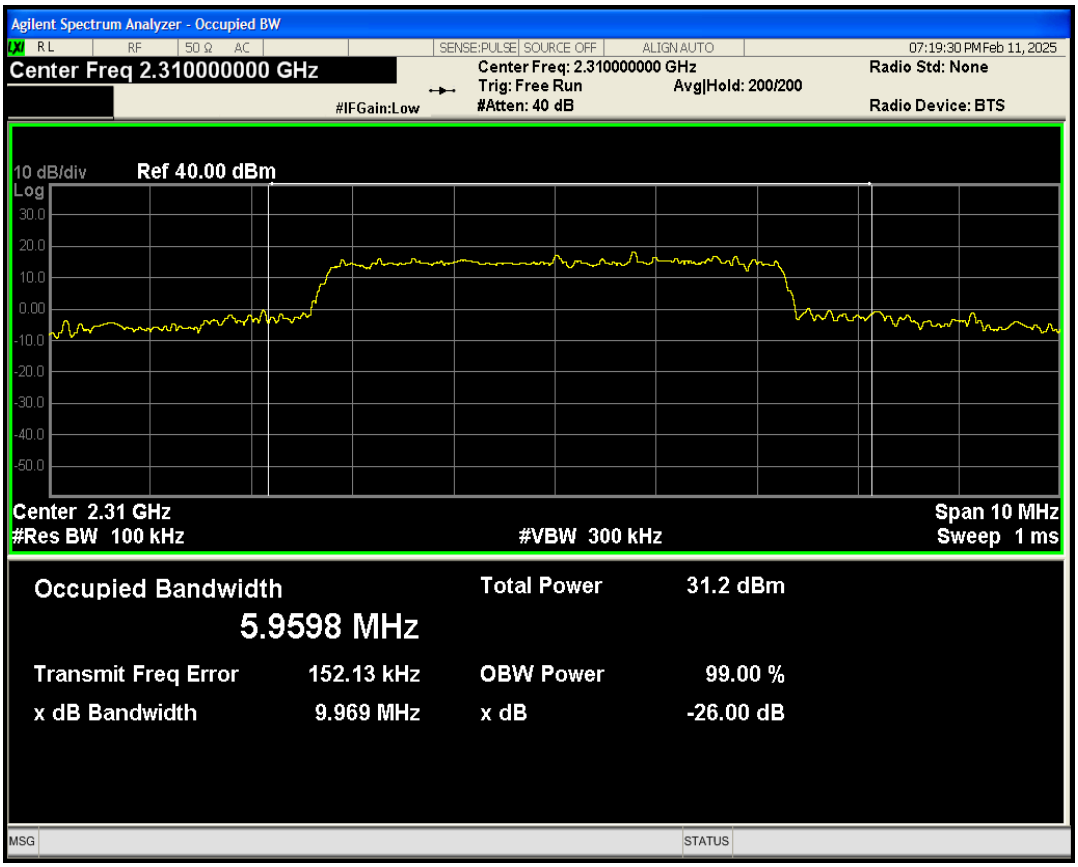
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



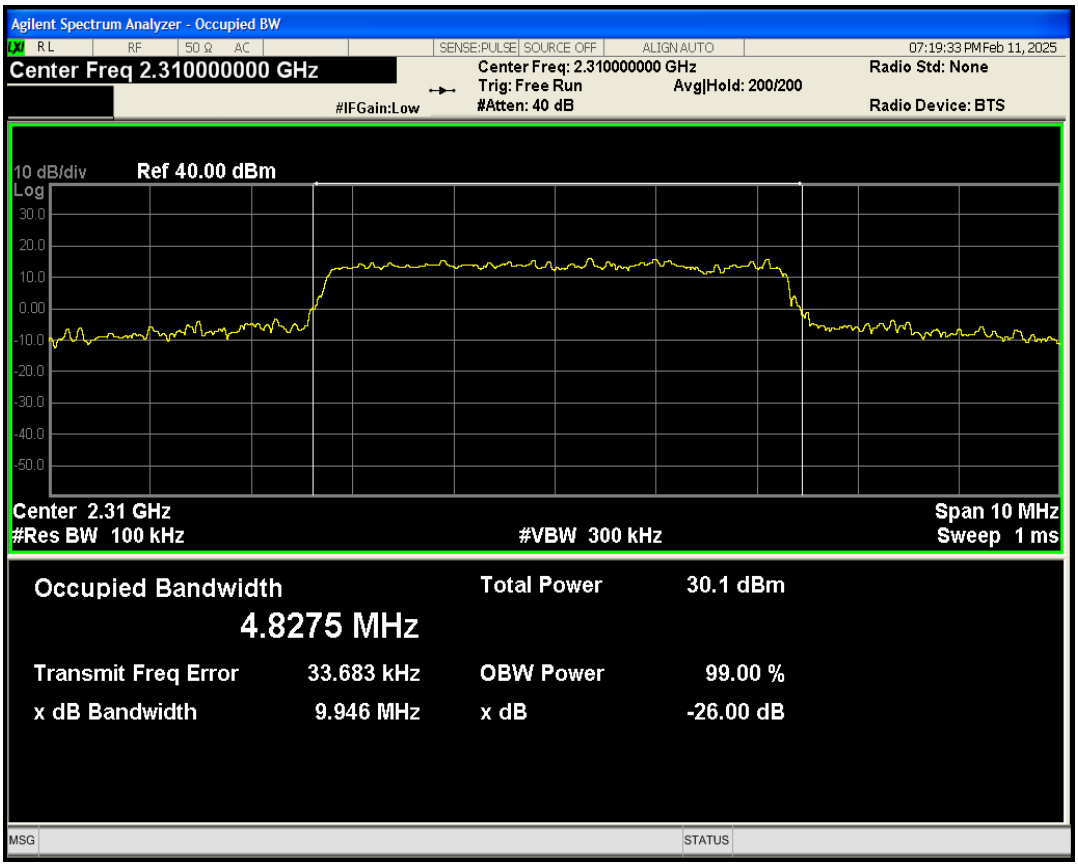
Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0



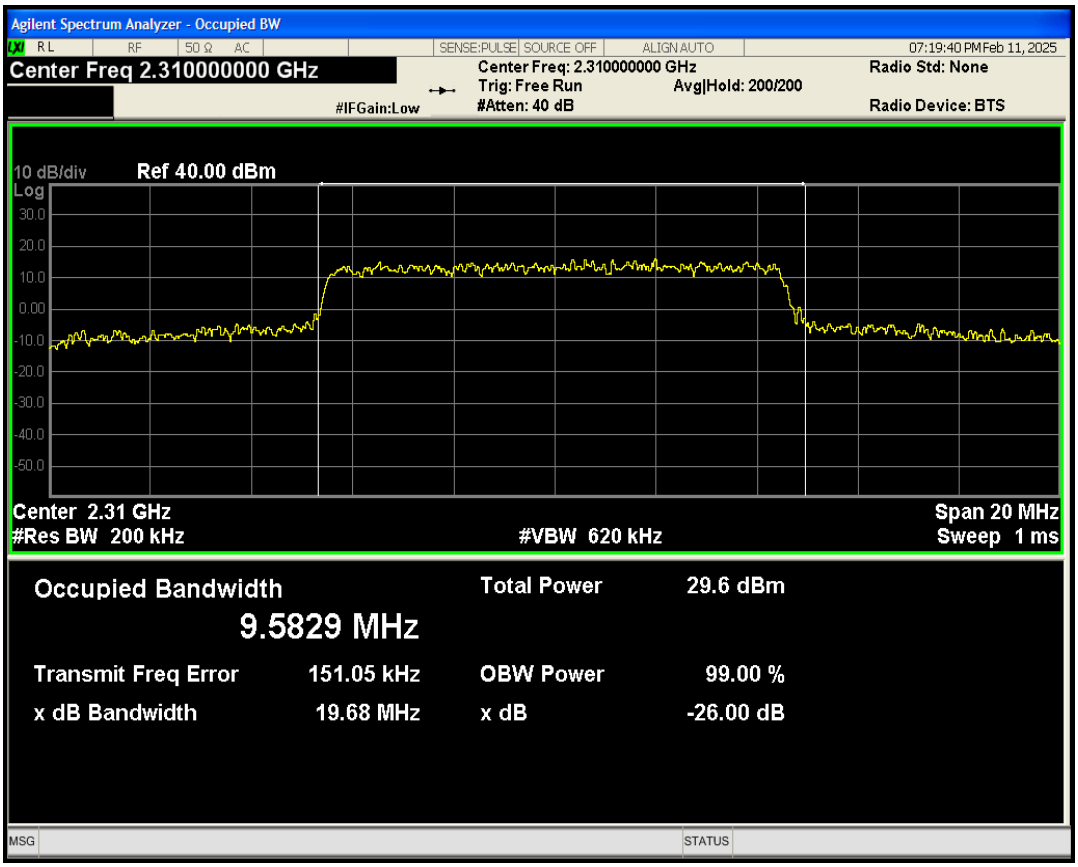
Band40a QPSK BW=5MHz Channel=38750 RB Size=25 Position=#0



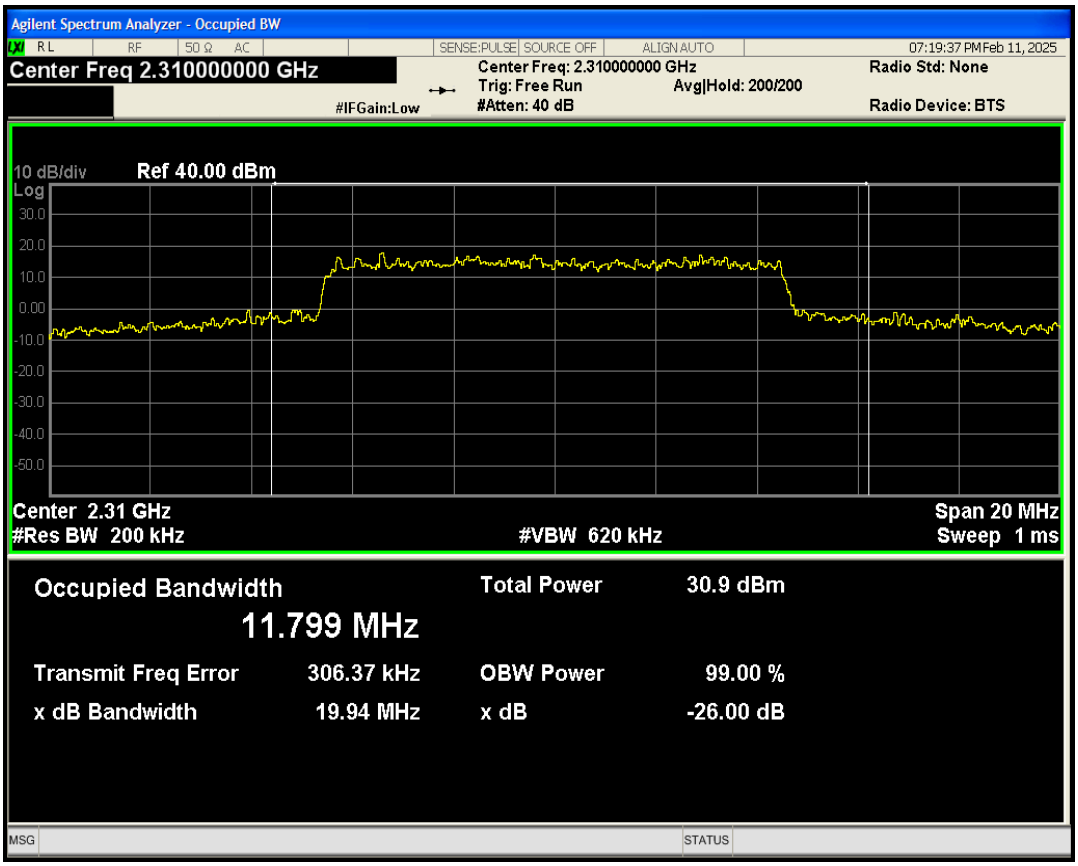
Band40a QAM16 BW=5MHz Channel=38750 RB Size=25 Position=#0



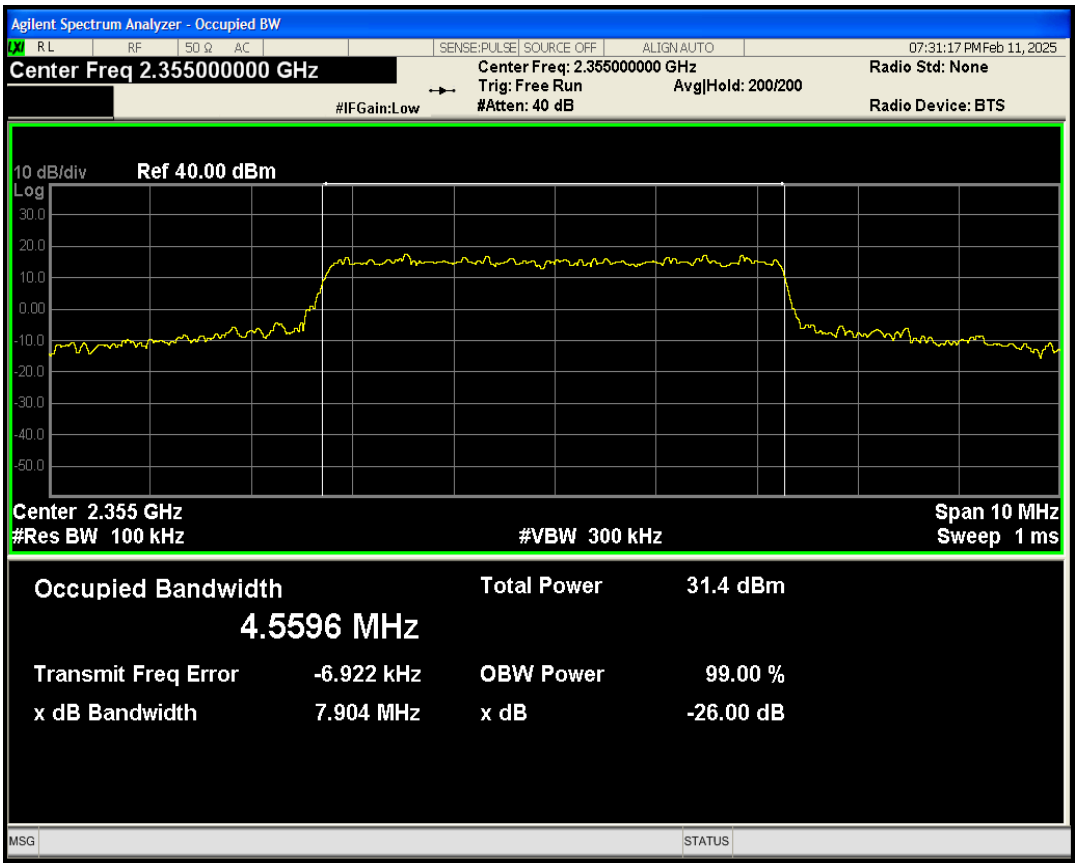
Band40a QAM16 BW=10MHz Channel=38750 RB Size=50 Position=#0



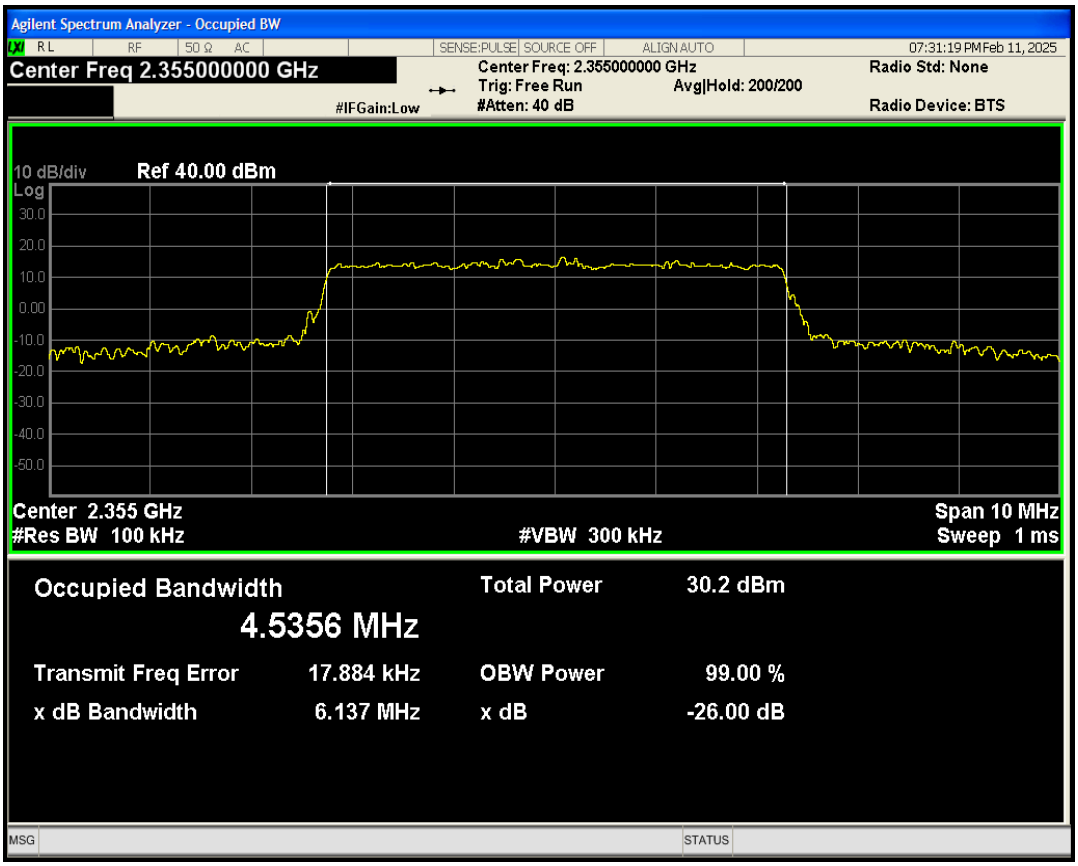
Band40a QPSK BW=10MHz Channel=38750 RB Size=50 Position=#0



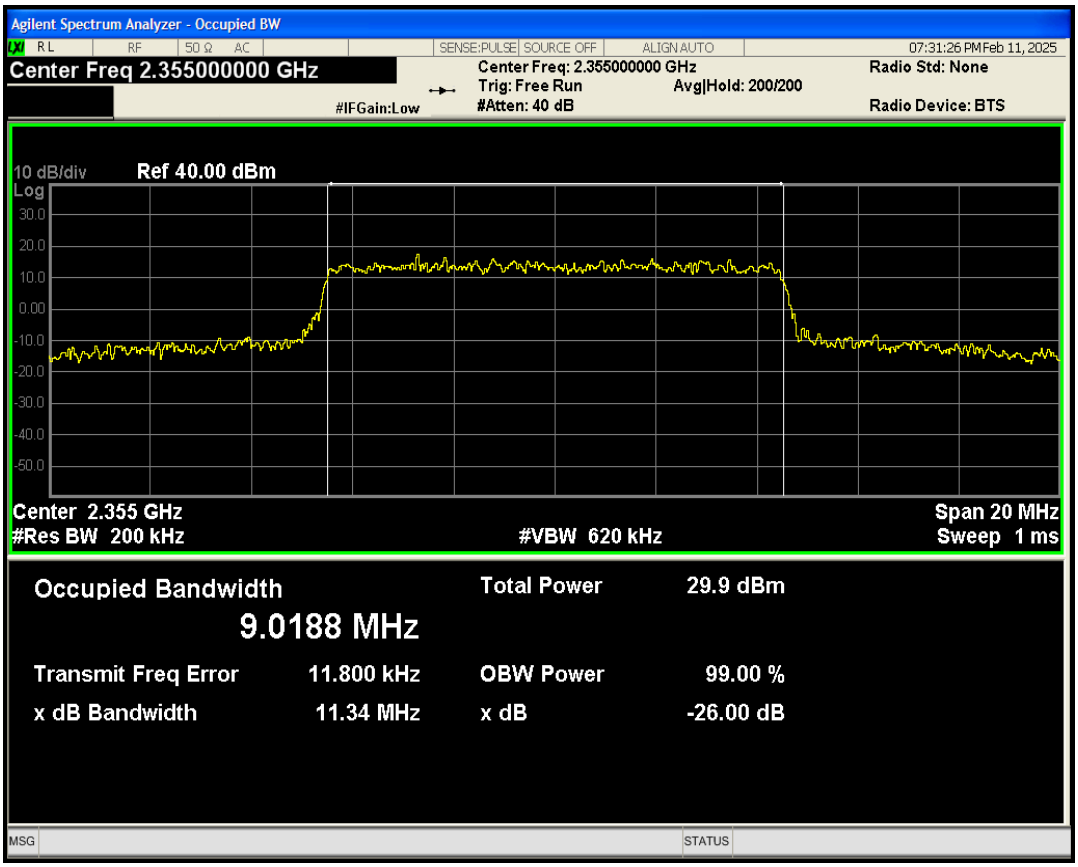
Band40b QPSK BW=5MHz Channel=39200 RB Size=25 Position=#0



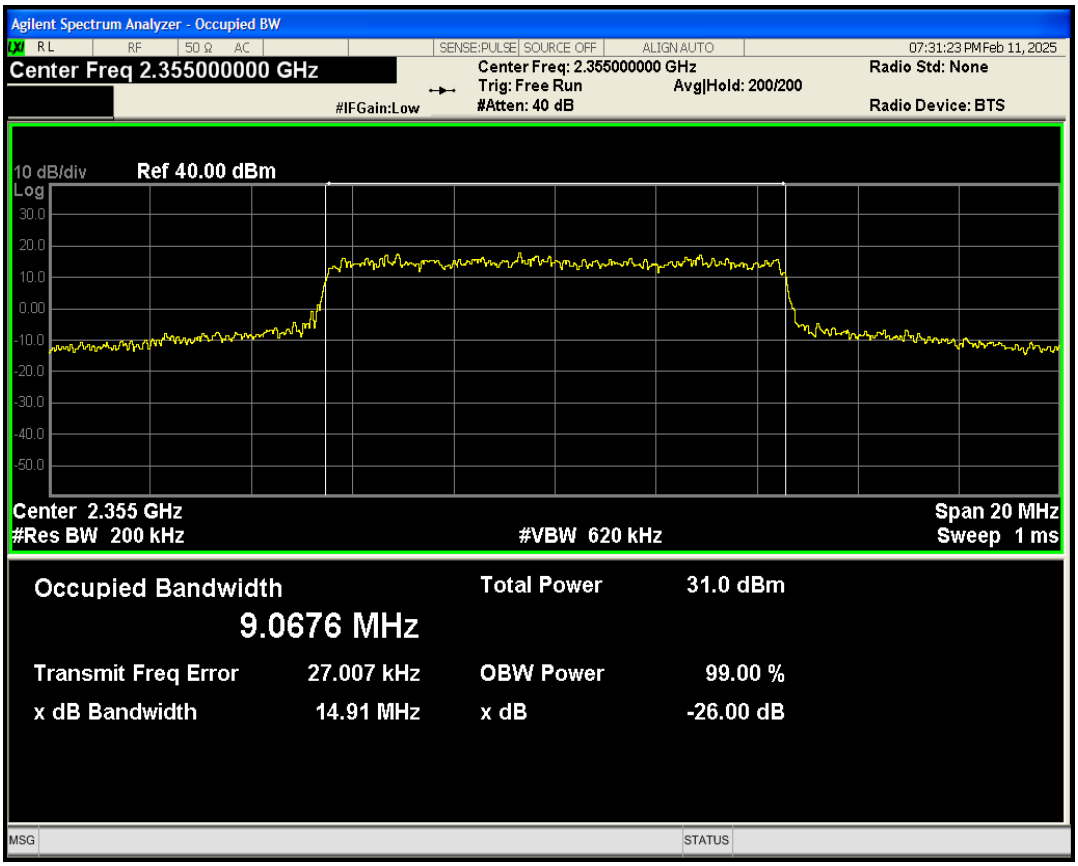
Band40b QAM16 BW=5MHz Channel=39200 RB Size=25 Position=#0



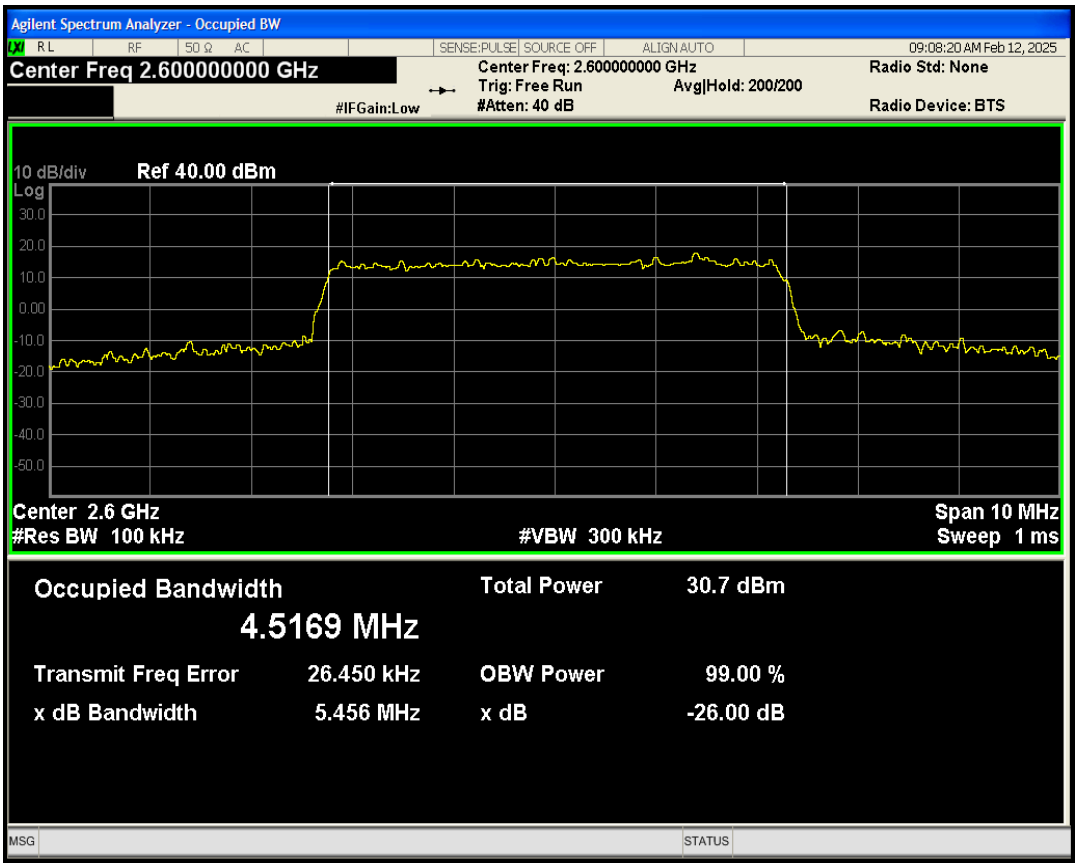
Band40b QAM16 BW=10MHz Channel=39200 RB Size=50 Position=#0



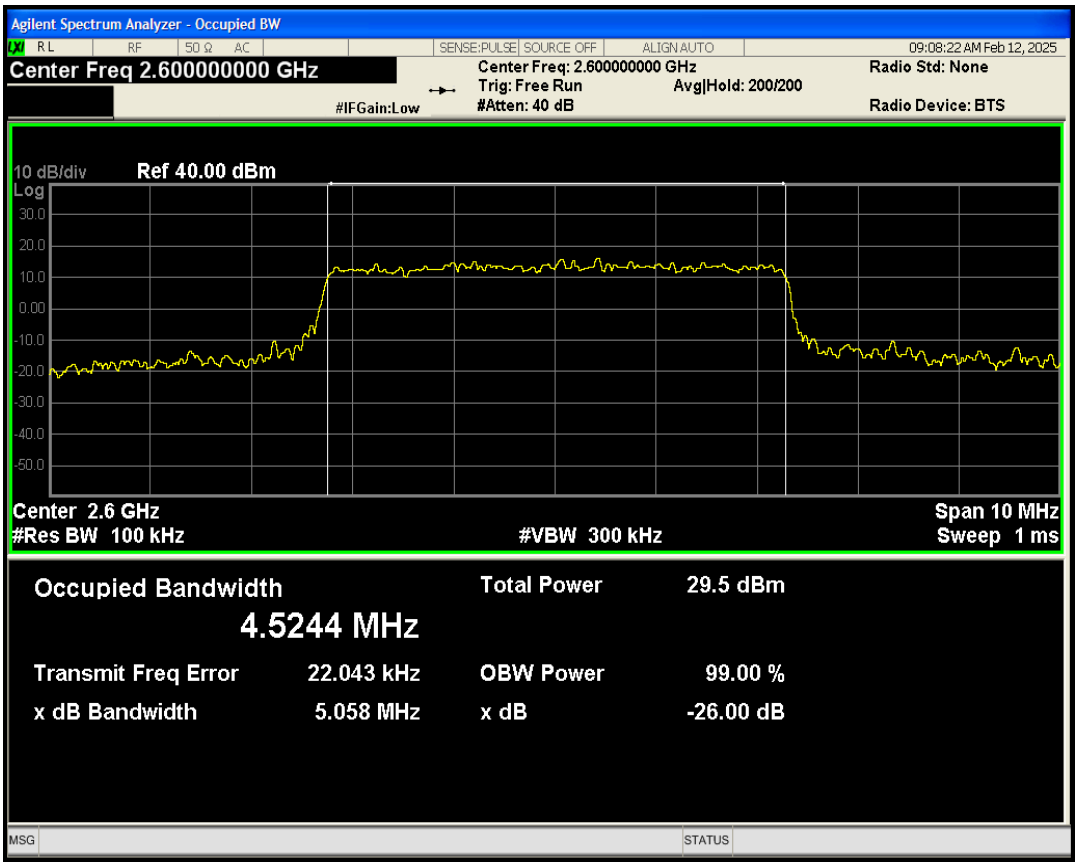
Band40b QPSK BW=10MHz Channel=39200 RB Size=50 Position=#0



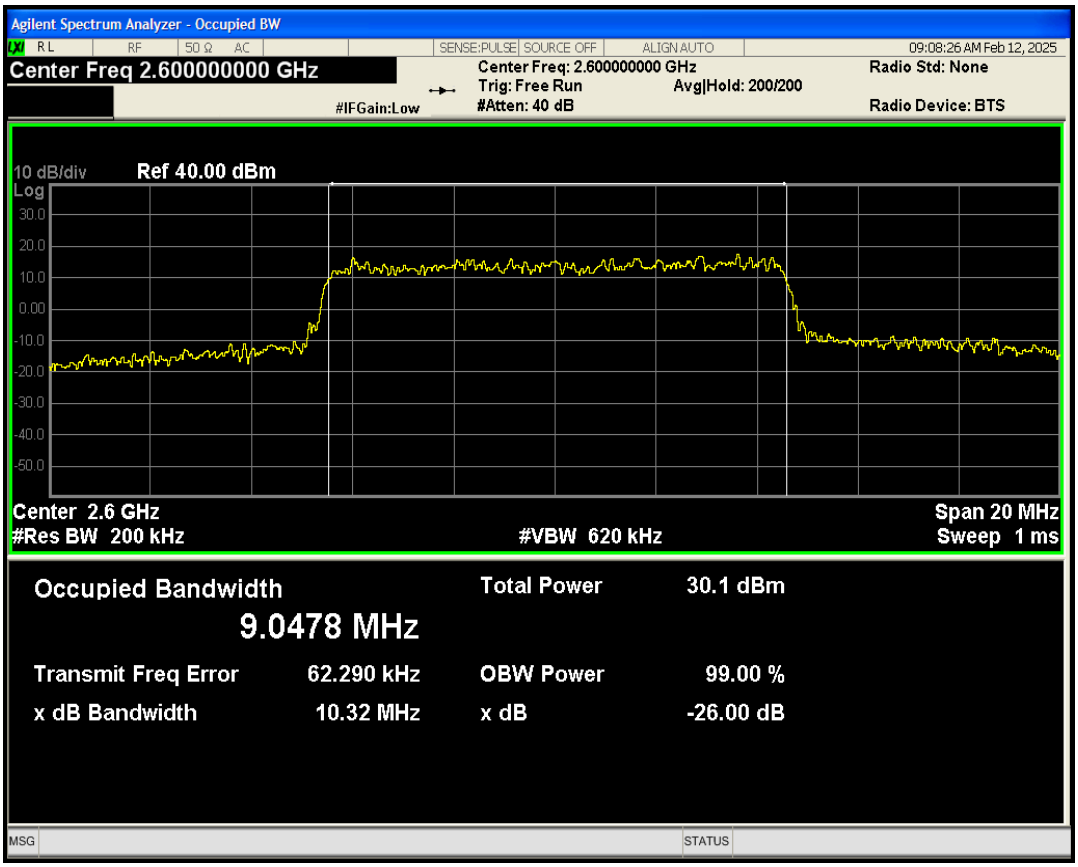
Band41(2545-2655) QPSK BW=5MHz Channel=40690 RB Size=25 Position=#0



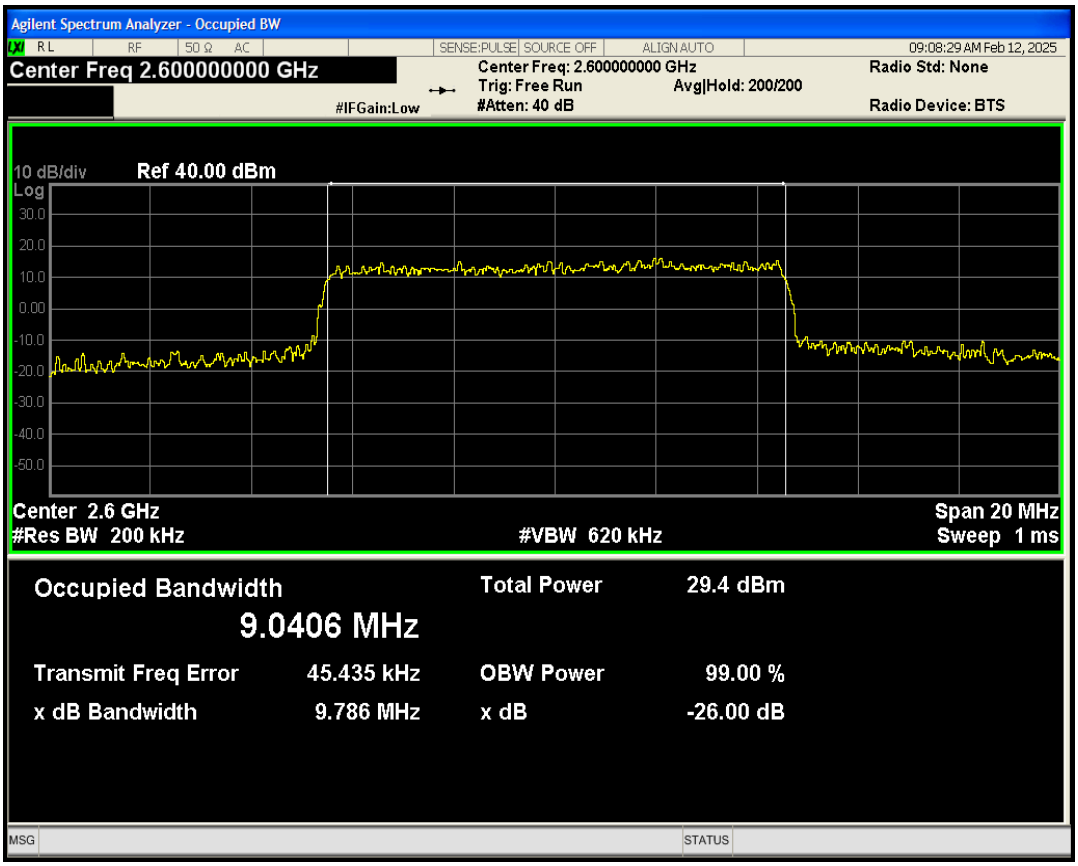
Band41(2545-2655) QAM16 BW=5MHz Channel=40690 RB Size=25 Position=#0



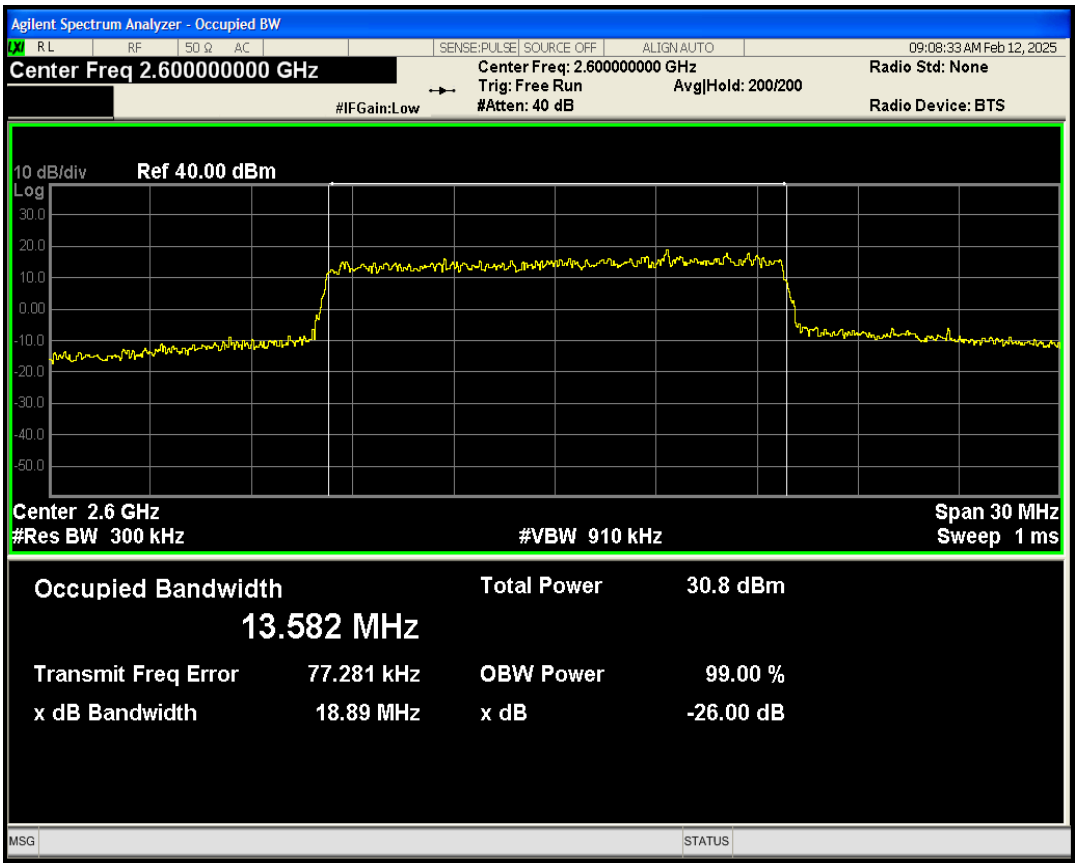
Band41(2545-2655) QPSK BW=10MHz Channel=40690 RB Size=50 Position=#0



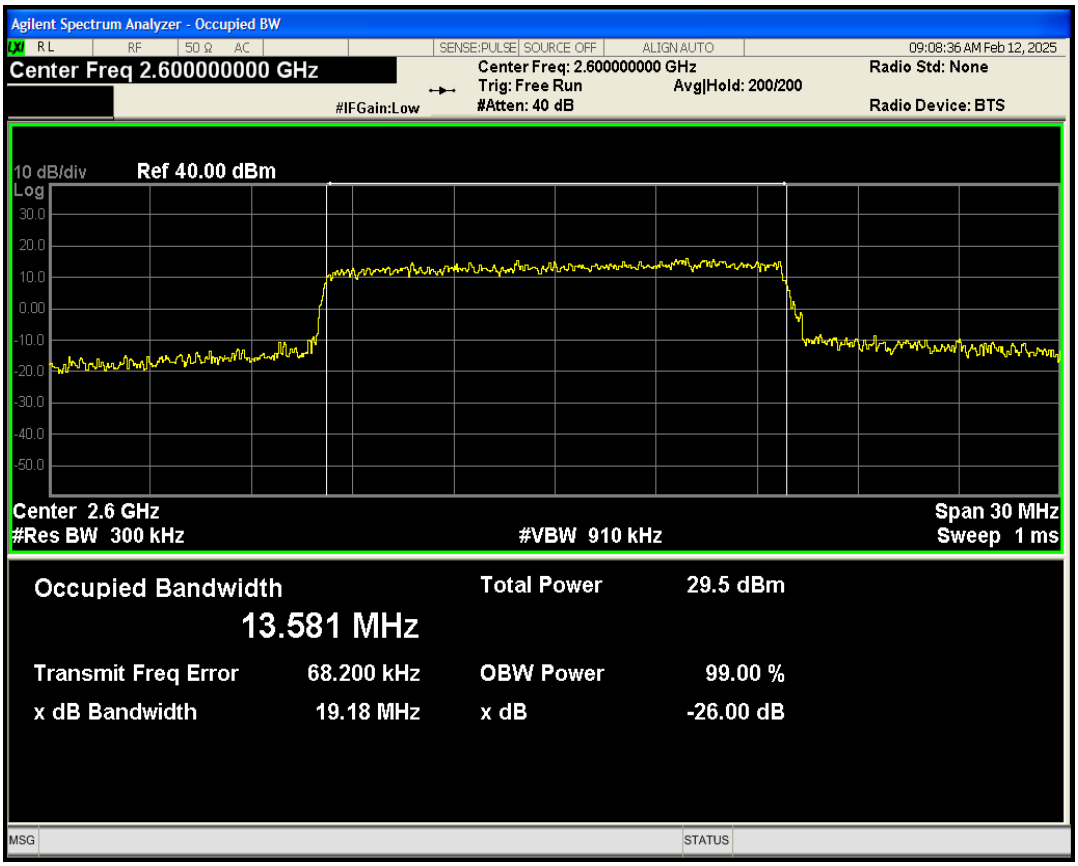
Band41(2545-2655) QAM16 BW=10MHz Channel=40690 RB Size=50 Position=#0



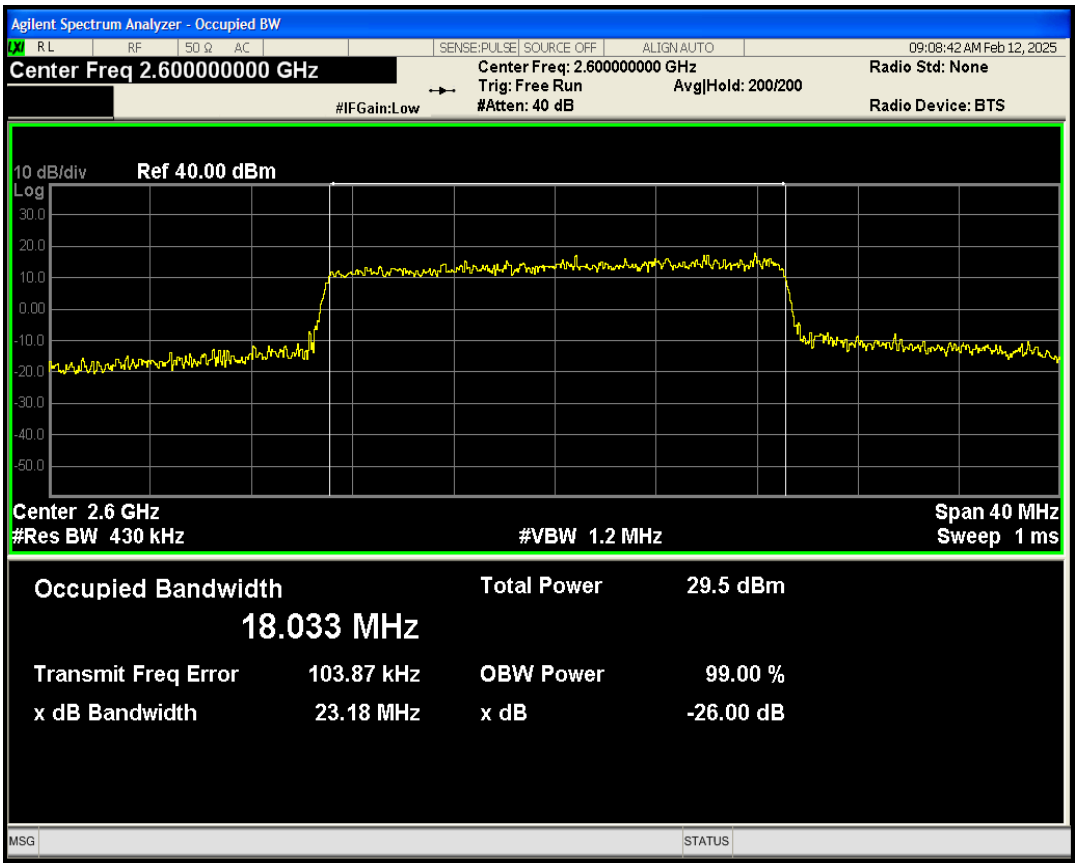
Band41(2545-2655) QPSK BW=15MHz Channel=40690 RB Size=75 Position=#0



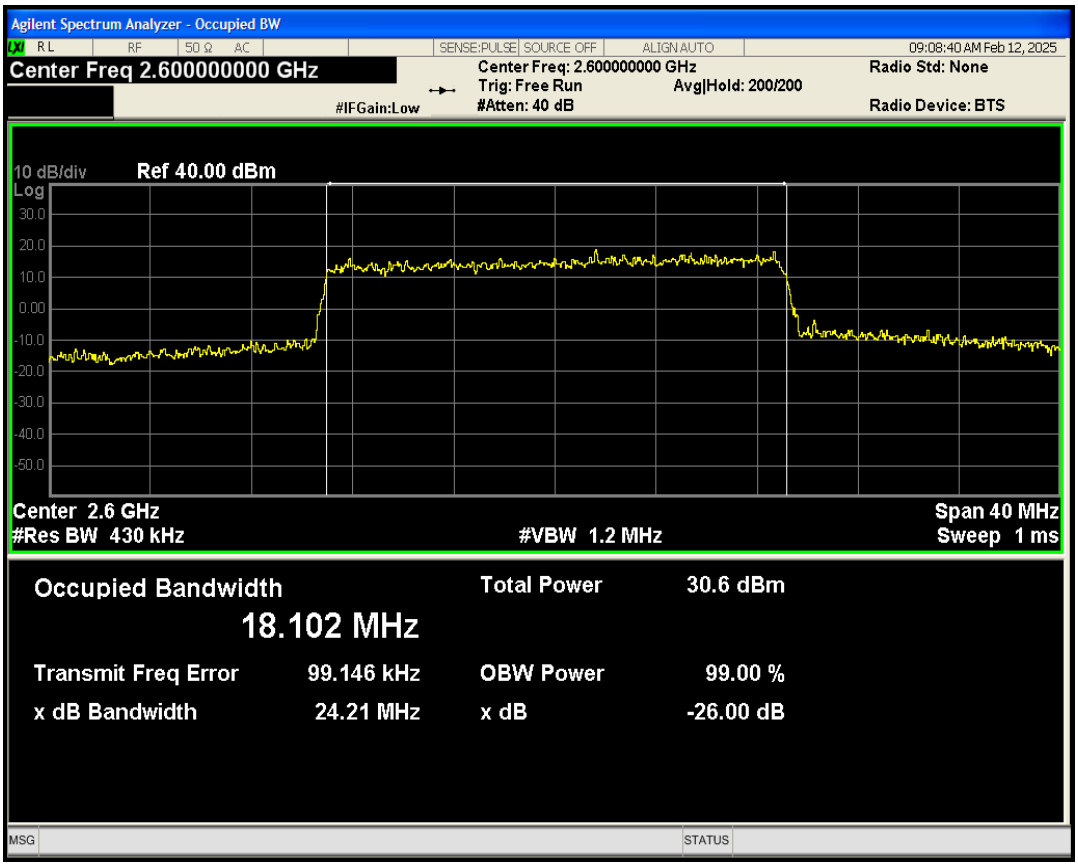
Band41(2545-2655) QAM16 BW=15MHz Channel=40690 RB Size=75 Position=#0



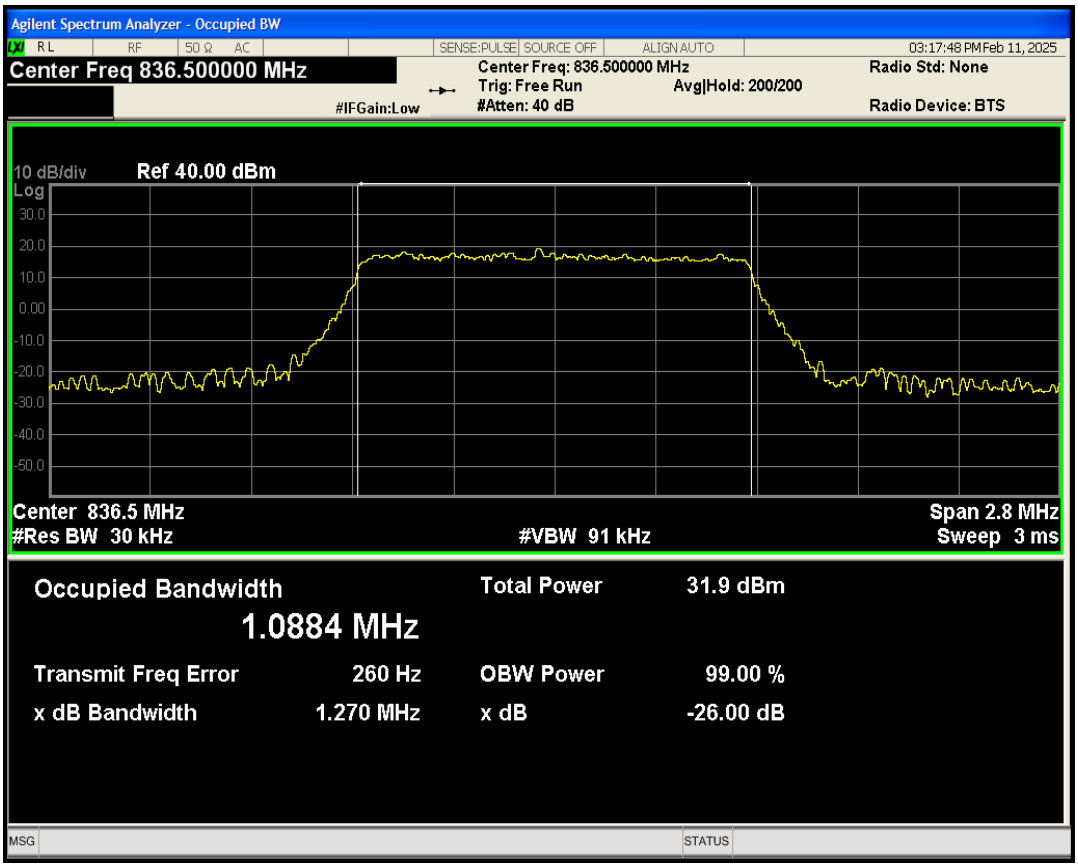
Band41(2545-2655) QAM16 BW=20MHz Channel=40690 RB Size=100 Position=#0



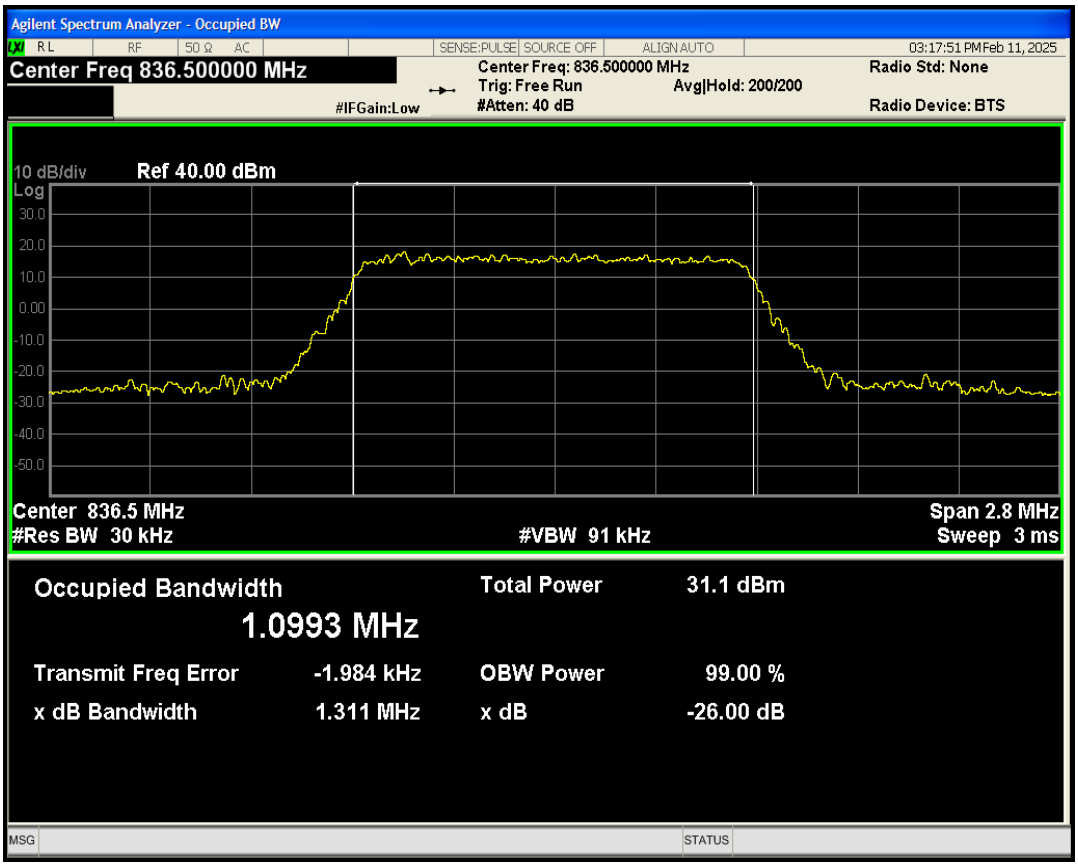
Band41(2545-2655) QPSK BW=20MHz Channel=40690 RB Size=100 Position=#0



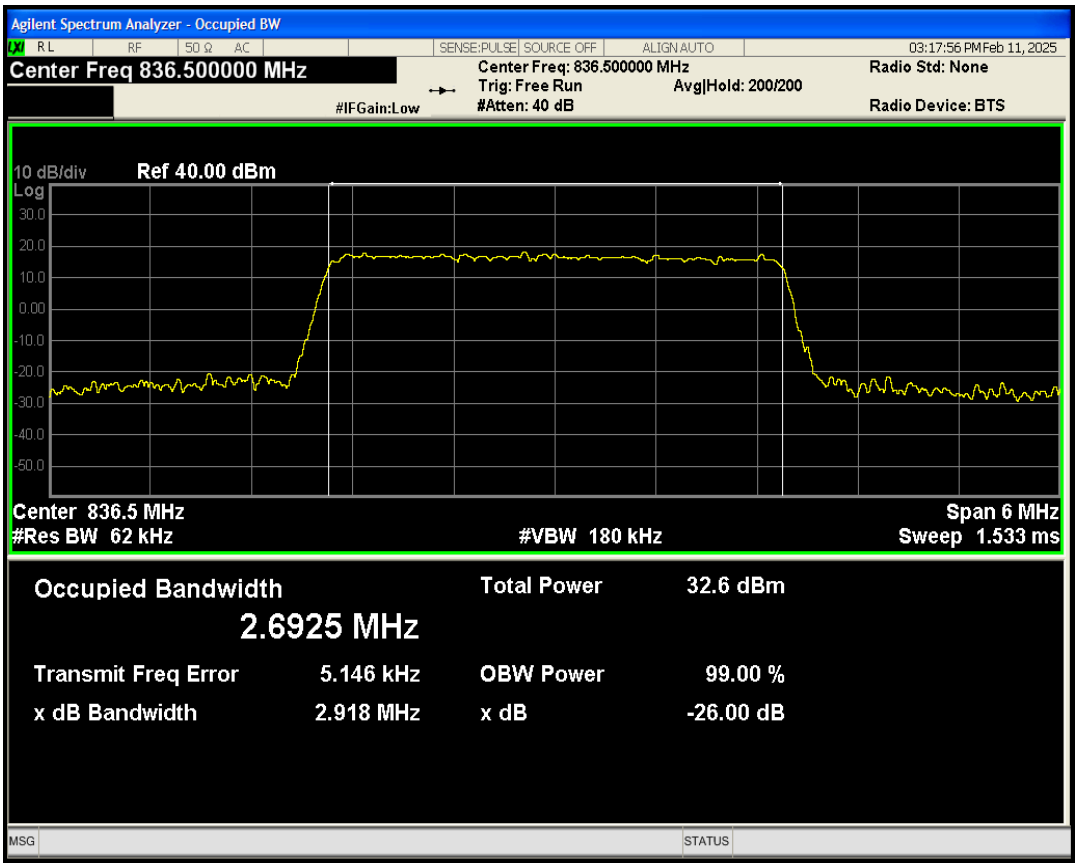
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



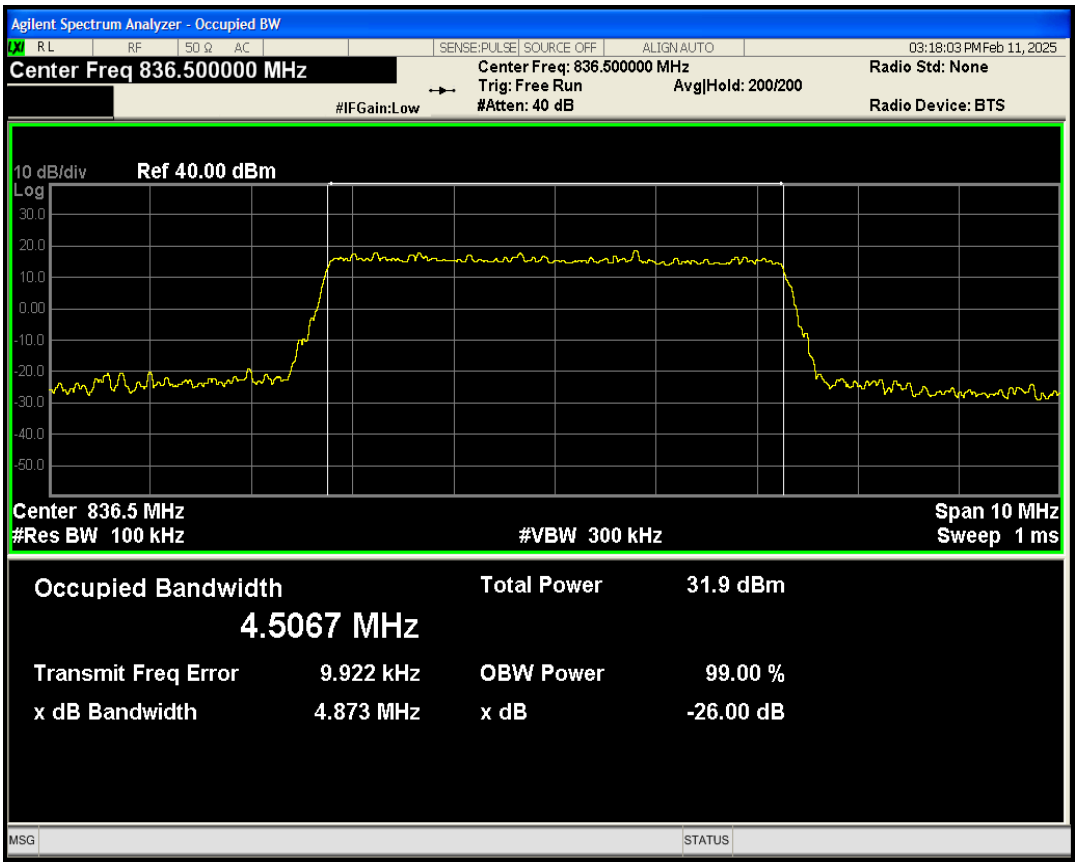
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=6 Position=#0



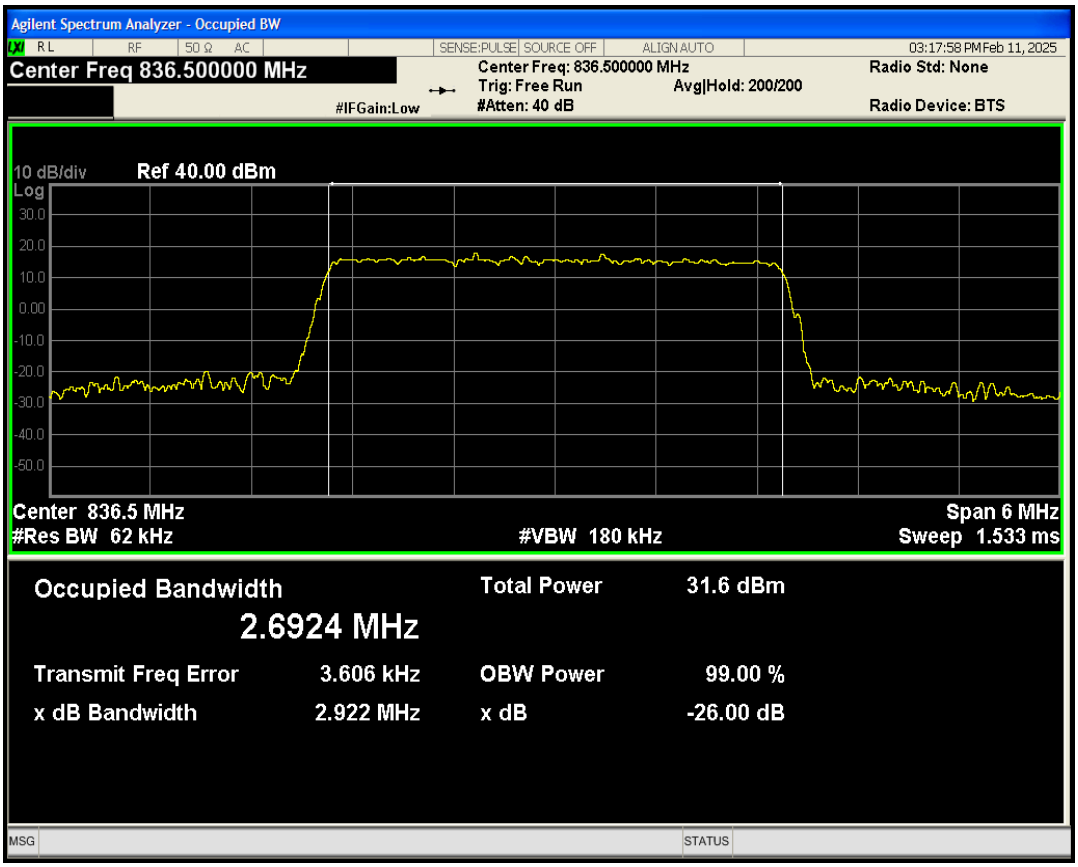
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



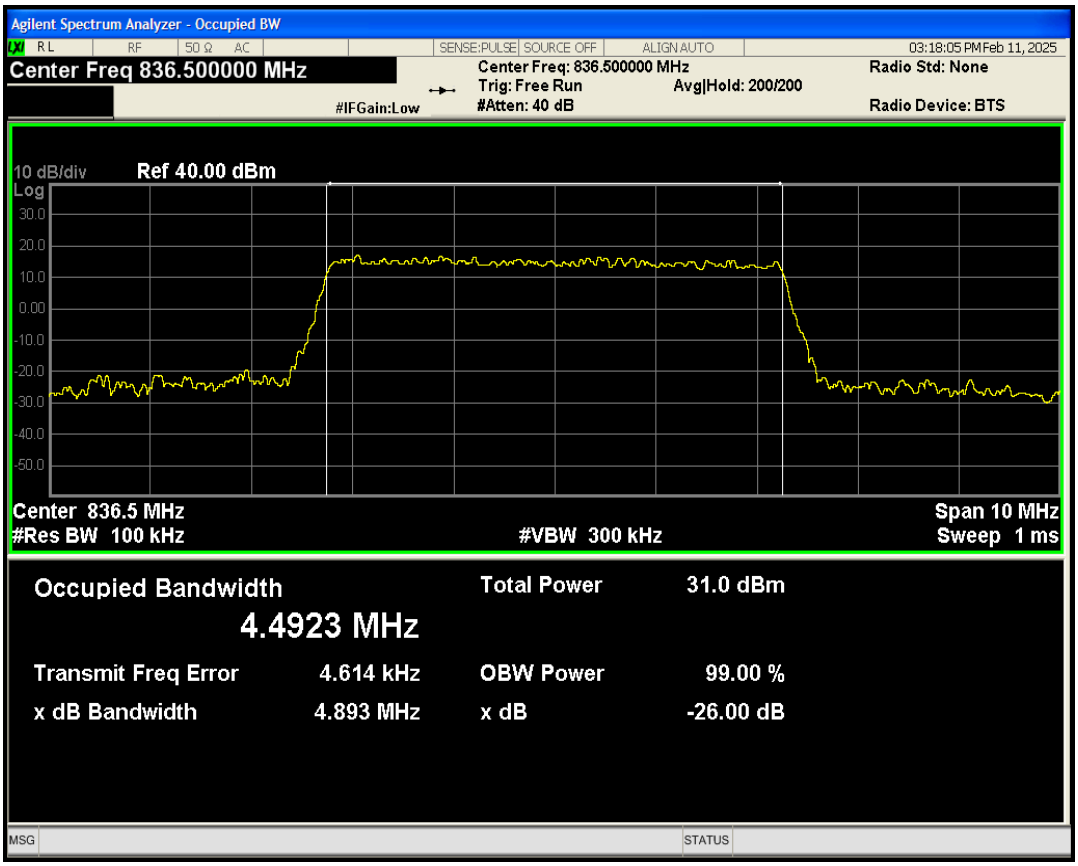
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



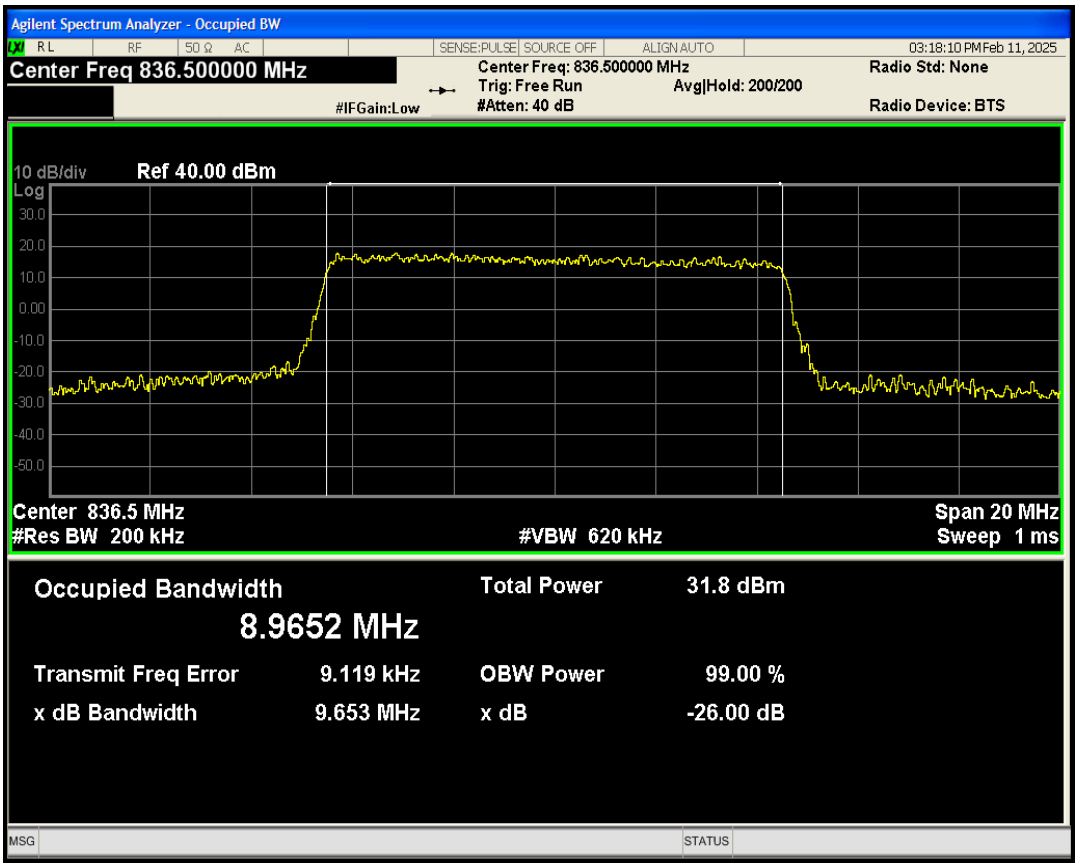
Band5 QAM16 BW=3MHz Channel=20525 RB Size=15 Position=#0



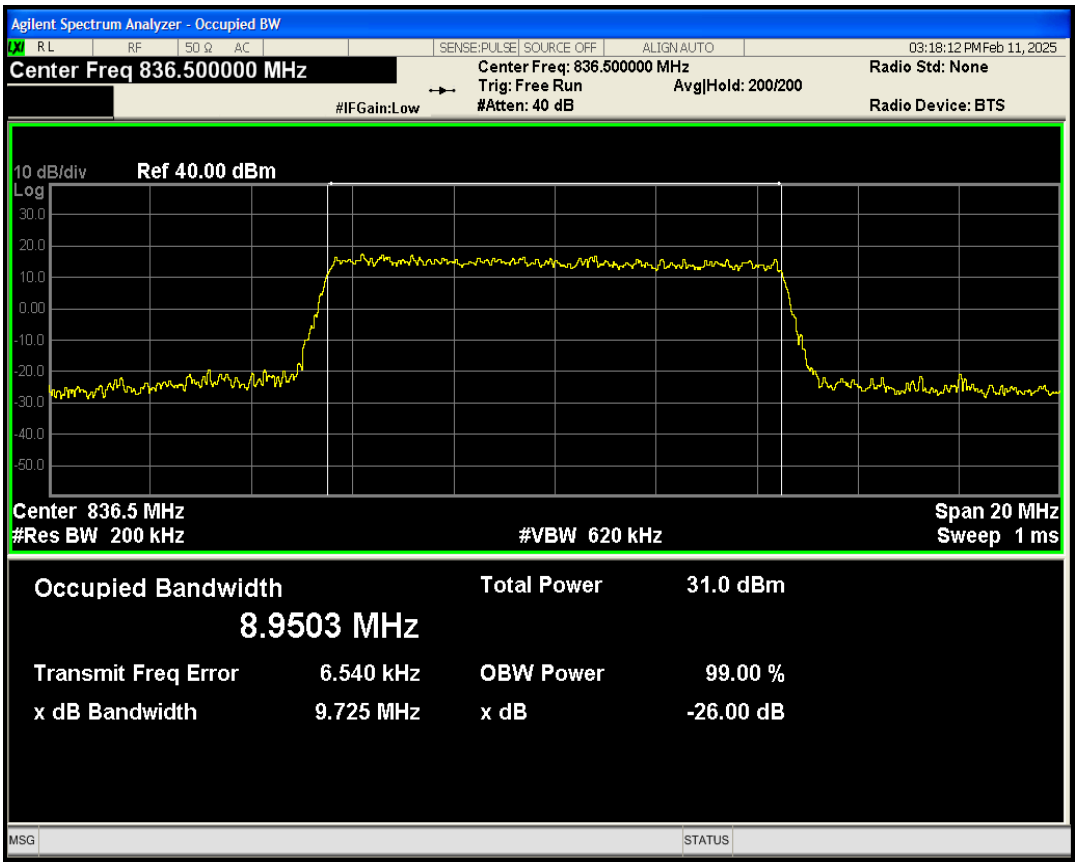
Band5 QAM16 BW=5MHz Channel=20525 RB Size=25 Position=#0



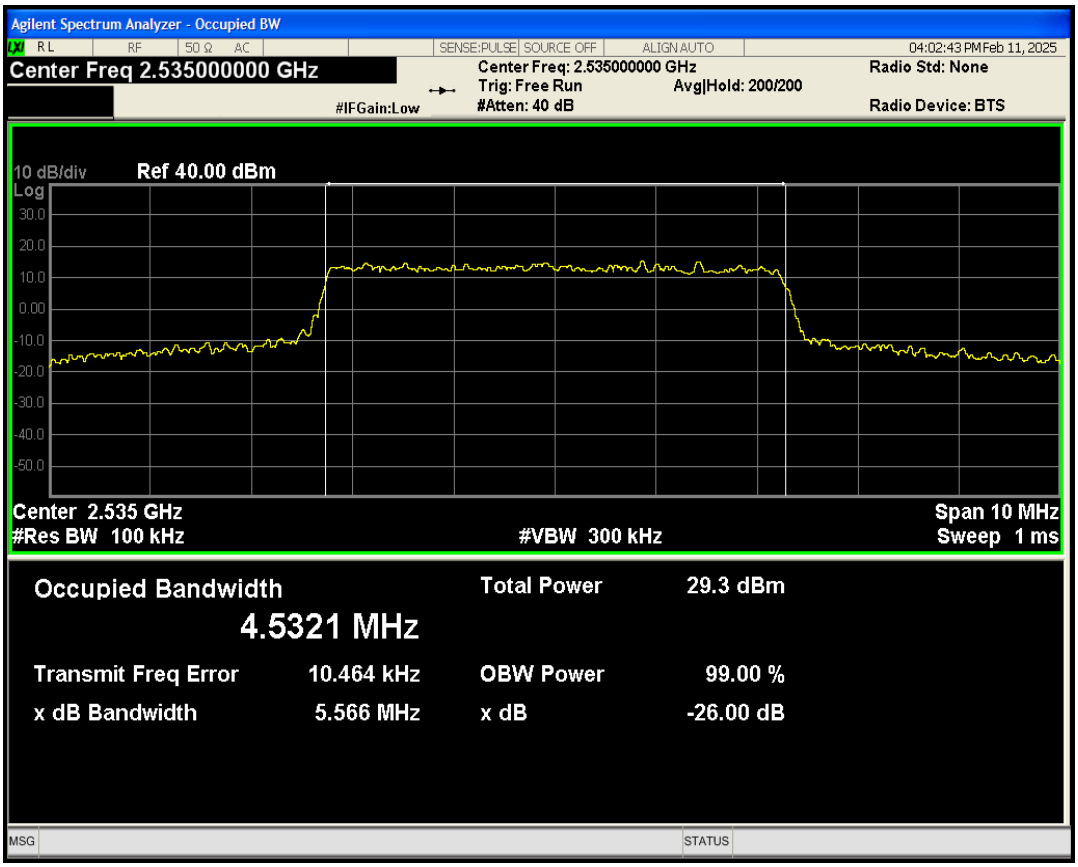
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



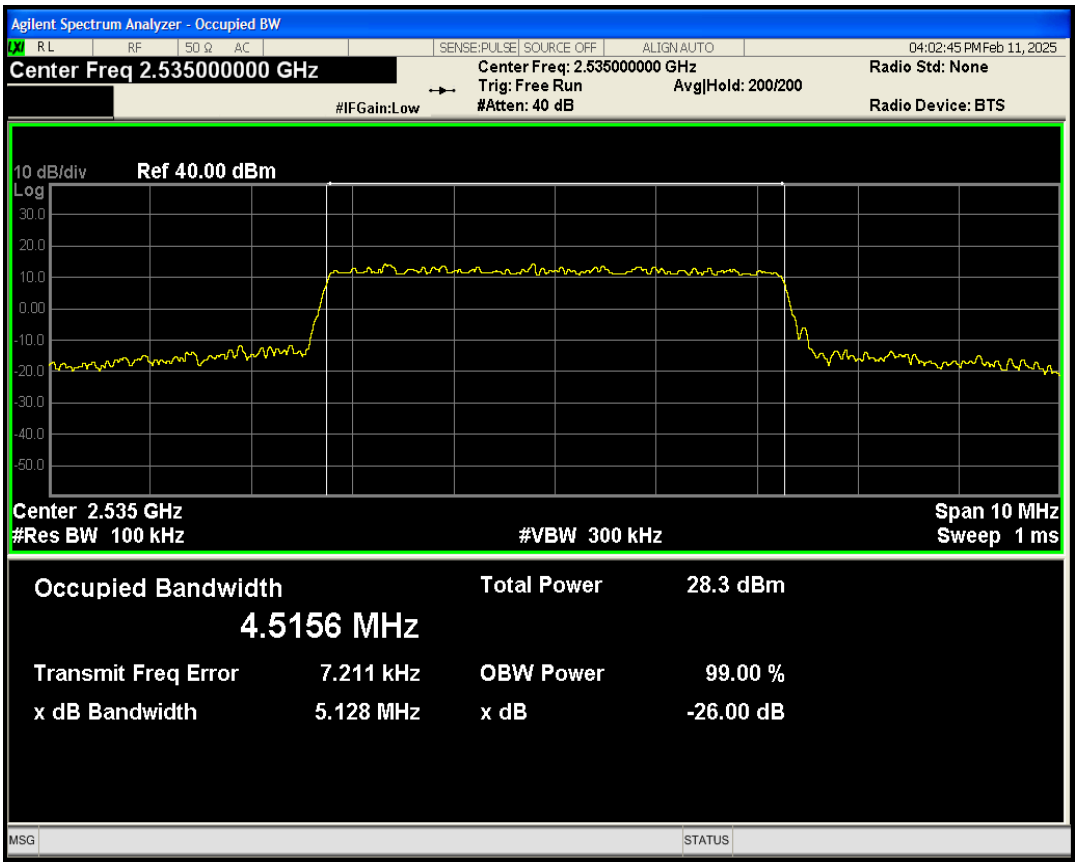
Band5 QAM16 BW=10MHz Channel=20525 RB Size=50 Position=#0



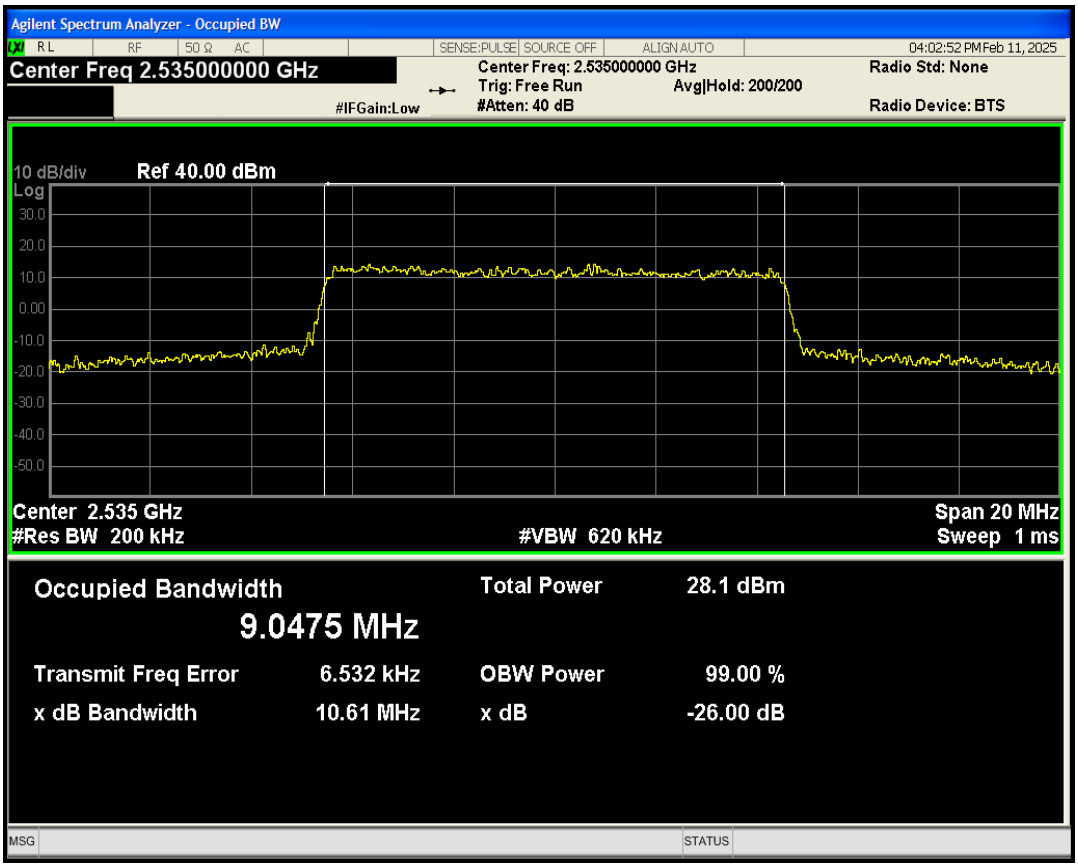
Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0



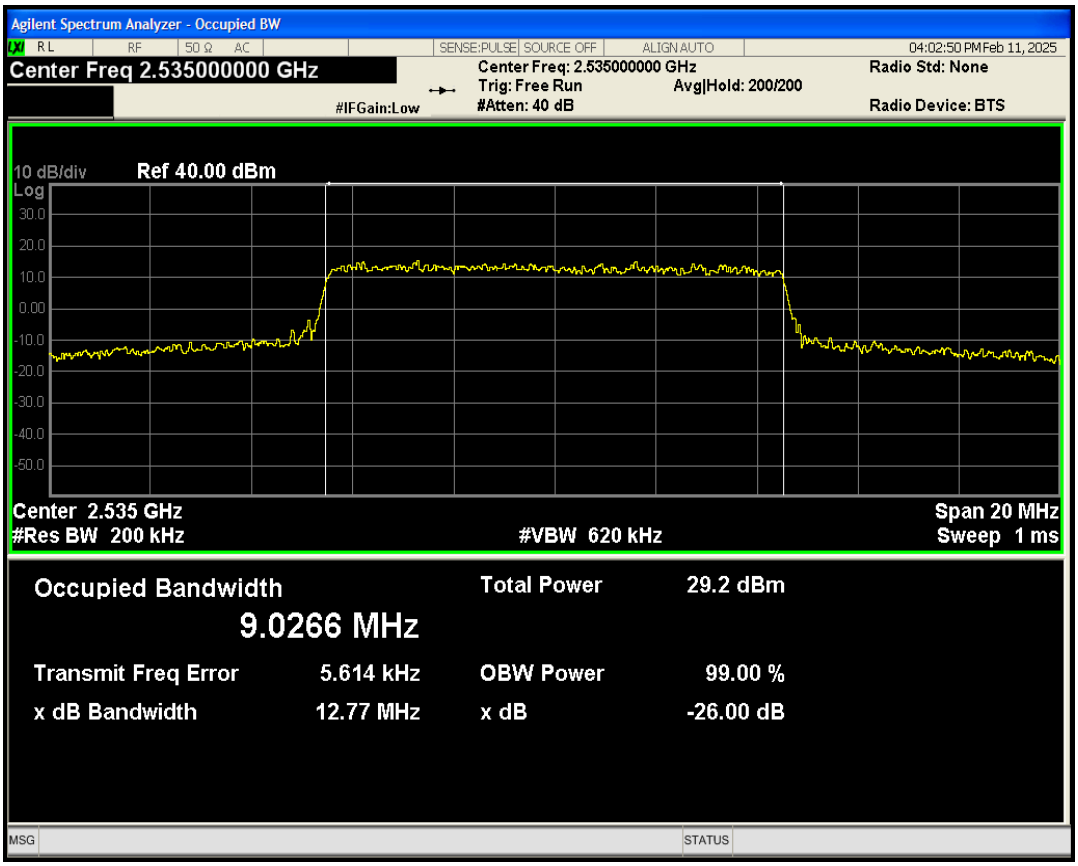
Band7 QAM16 BW=5MHz Channel=21100 RB Size=25 Position=#0



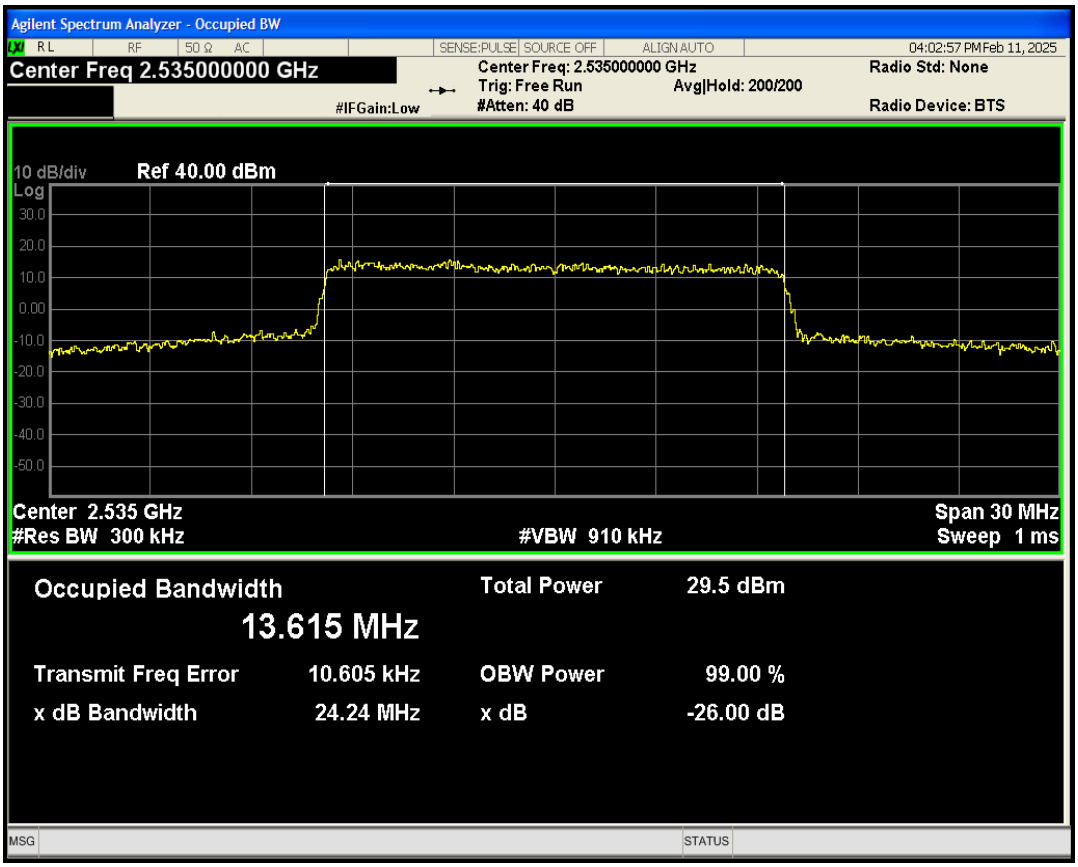
Band7 QAM16 BW=10MHz Channel=21100 RB Size=50 Position=#0



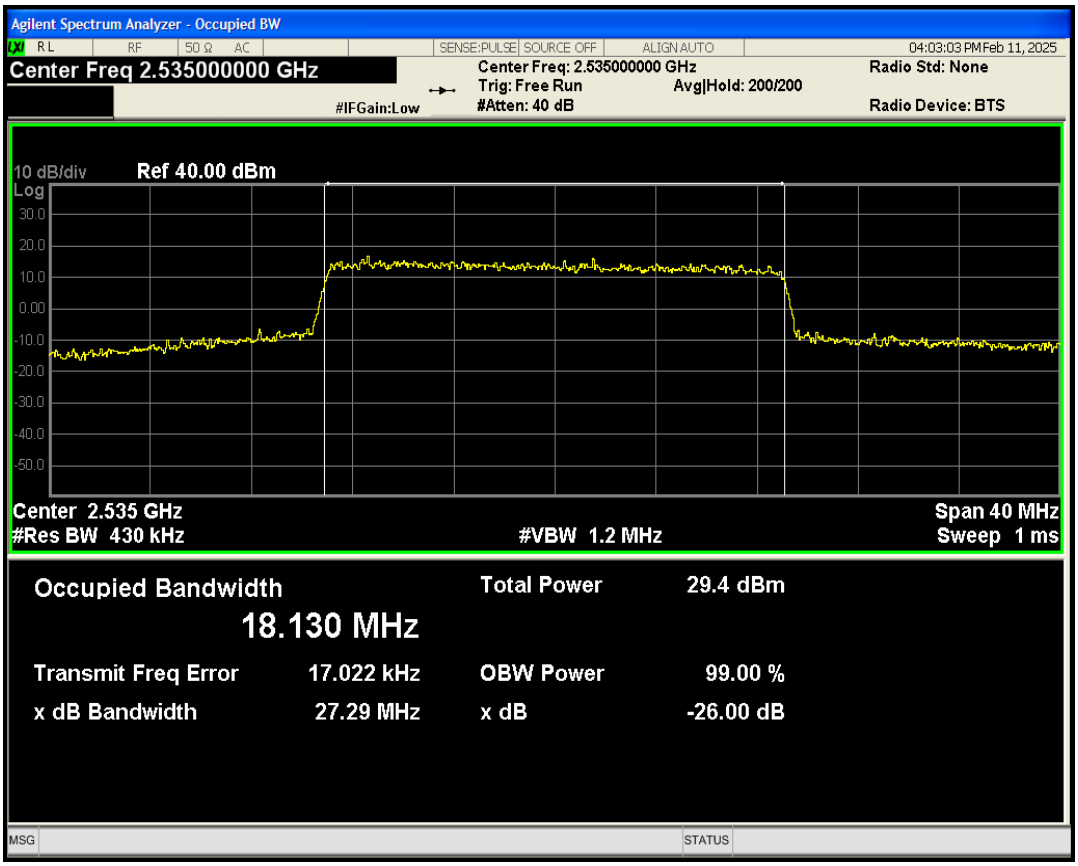
Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0



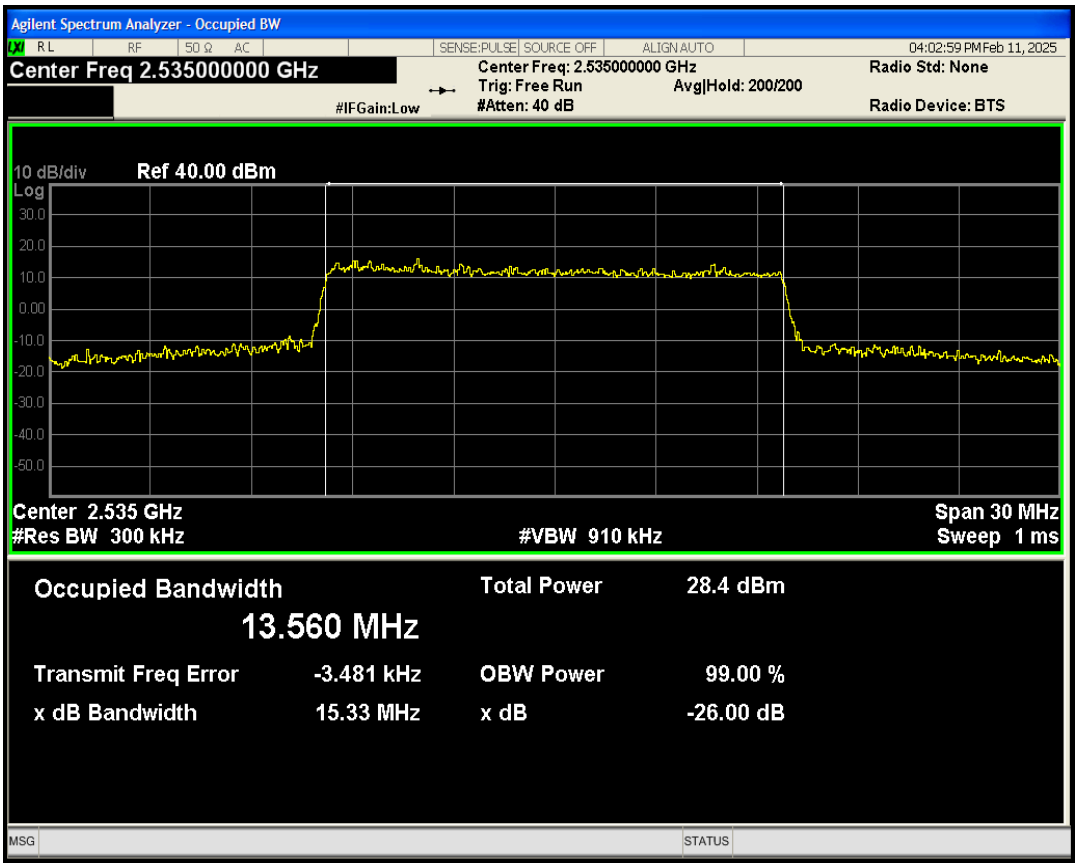
Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0



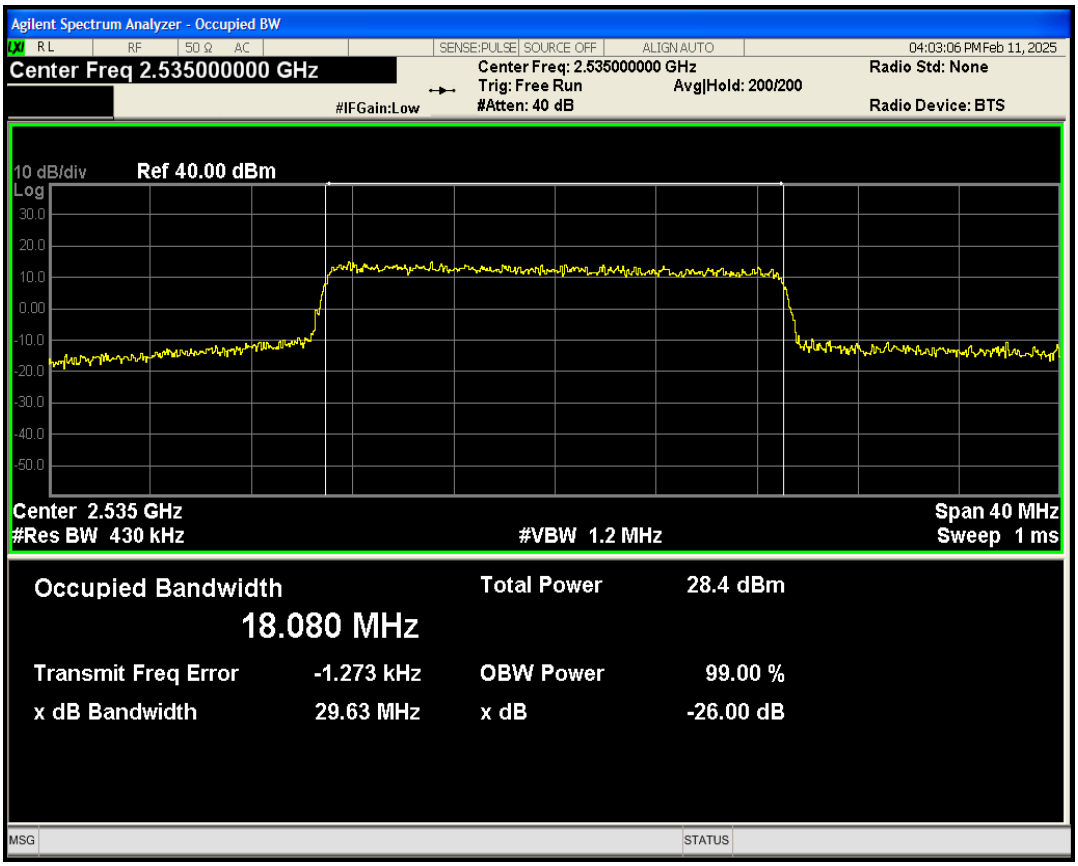
Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0



Band7 QAM16 BW=15MHz Channel=21100 RB Size=75 Position=#0



Band7 QAM16 BW=20MHz Channel=21100 RB Size=100 Position=#0



5 Band edge

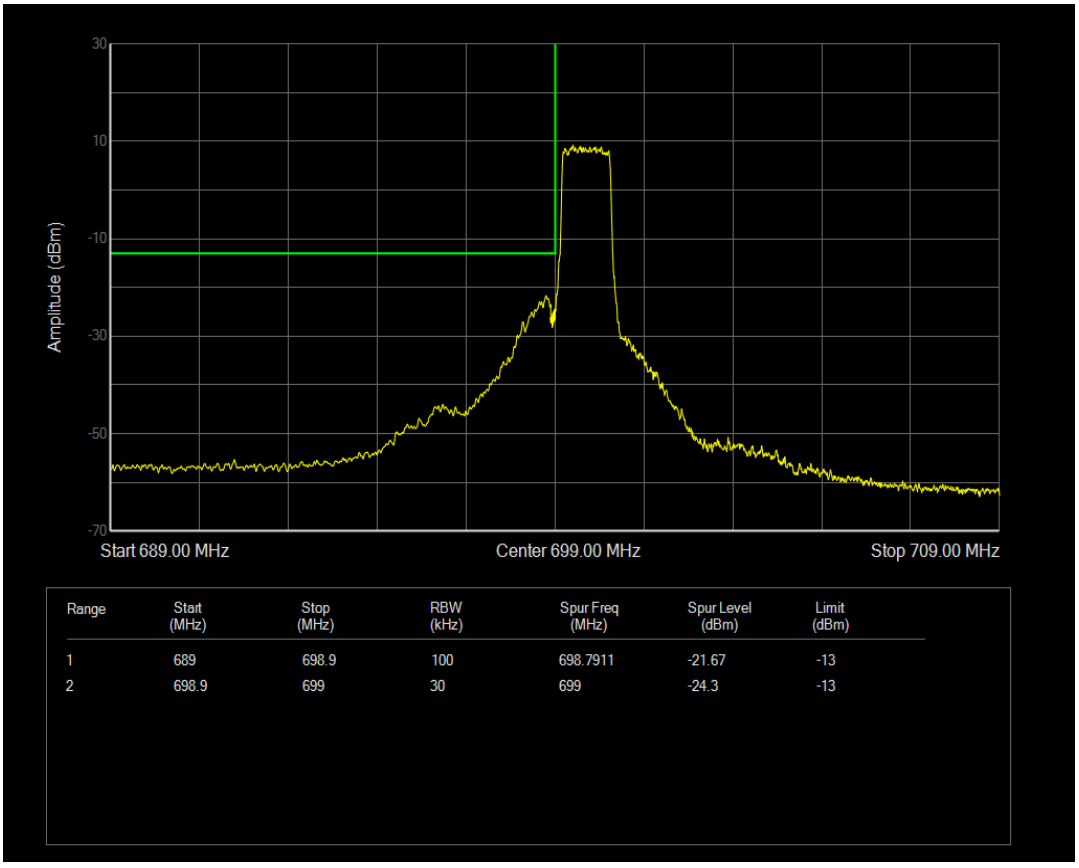
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.79	-21.67	-13	PASS
Band12	1.4	23017	6	#0	QAM16	698.80	-23.01	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.19	-16.05	-13	PASS
Band12	1.4	23173	6	#0	QAM16	716.14	-18.13	-13	PASS
Band12	3	23025	15	#0	QPSK	698.78	-25.49	-13	PASS
Band12	3	23025	15	#0	QAM16	698.66	-26.94	-13	PASS
Band12	3	23165	15	#0	QPSK	716.24	-22.37	-13	PASS
Band12	3	23165	15	#0	QAM16	716.20	-23.88	-13	PASS
Band12	5	23035	25	#0	QPSK	698.90	-23.14	-13	PASS
Band12	5	23035	25	#0	QAM16	699.00	-25.23	-13	PASS
Band12	5	23155	25	#0	QPSK	716.11	-23.58	-13	PASS
Band12	5	23155	25	#0	QAM16	716.13	-25.69	-13	PASS
Band12	10	23060	50	#0	QPSK	698.75	-28.54	-13	PASS
Band12	10	23060	50	#0	QAM16	698.90	-29.88	-13	PASS
Band12	10	23130	50	#0	QPSK	716.11	-28.74	-13	PASS
Band12	10	23130	50	#0	QAM16	716.24	-30.79	-13	PASS
Band17	5	23755	25	#0	QPSK	704.00	-24.72	-13	PASS
Band17	5	23755	25	#0	QAM16	703.97	-27.28	-13	PASS
Band17	5	23825	25	#0	QPSK	716.00	-23.67	-13	PASS
Band17	5	23825	25	#0	QAM16	716.04	-25.05	-13	PASS
Band17	10	23780	50	#0	QPSK	704.00	-26.61	-13	PASS
Band17	10	23780	50	#0	QAM16	704.00	-30.01	-13	PASS
Band17	10	23800	50	#0	QPSK	716.04	-28.59	-13	PASS
Band17	10	23800	50	#0	QAM16	716.08	-30.03	-13	PASS
Band2	1.4	18607	6	#0	QPSK	1850.00	-32.53	-13	PASS
Band2	1.4	18607	6	#0	QAM16	1849.99	-33.30	-13	PASS
Band2	1.4	19193	6	#0	QPSK	1910.00	-29.38	-13	PASS
Band2	1.4	19193	6	#0	QAM16	1910.00	-32.32	-13	PASS
Band2	3	18615	15	#0	QPSK	1850.00	-34.91	-13	PASS
Band2	3	18615	15	#0	QAM16	1850.00	-35.89	-13	PASS
Band2	3	19185	15	#0	QPSK	1910.00	-31.60	-13	PASS
Band2	3	19185	15	#0	QAM16	1910.01	-32.92	-13	PASS
Band2	5	18625	25	#0	QPSK	1849.98	-33.11	-13	PASS
Band2	5	18625	25	#0	QAM16	1850.00	-33.74	-13	PASS
Band2	5	19175	25	#0	QPSK	1910.00	-31.18	-13	PASS
Band2	5	19175	25	#0	QAM16	1910.01	-30.84	-13	PASS
Band2	10	18650	50	#0	QPSK	1849.96	-36.12	-13	PASS
Band2	10	18650	50	#0	QAM16	1849.94	-37.67	-13	PASS
Band2	10	19150	50	#0	QPSK	1910.00	-32.58	-13	PASS
Band2	10	19150	50	#0	QAM16	1910.00	-33.16	-13	PASS
Band2	15	18675	75	#0	QPSK	1850.00	-38.13	-13	PASS
Band2	15	18675	75	#0	QAM16	1850.00	-35.20	-13	PASS

Band2	15	19125	75	#0	QPSK	1910.66	-32.33	-13	PASS
Band2	15	19125	75	#0	QAM16	1910.24	-34.46	-13	PASS
Band2	20	18700	100	#0	QPSK	1849.96	-38.02	-13	PASS
Band2	20	18700	100	#0	QAM16	1849.96	-38.19	-13	PASS
Band2	20	19100	100	#0	QPSK	1910.60	-35.09	-13	PASS
Band2	20	19100	100	#0	QAM16	1910.24	-35.33	-13	PASS
Band38	5	37775	25	#0	QPSK	2569.00	-22.85	-10	PASS
Band38	5	37775	25	#0	QAM16	2569.00	-23.18	-10	PASS
Band38	5	38225	25	#0	QPSK	2626.08	-39.44	-25	PASS
Band38	5	38225	25	#0	QAM16	2621.00	-24.16	-10	PASS
Band38	10	37800	50	#0	QPSK	2558.67	-35.28	-25	PASS
Band38	10	37800	50	#0	QAM16	2558.68	-34.55	-25	PASS
Band38	10	38200	50	#0	QPSK	2631.88	-35.01	-25	PASS
Band38	10	38200	50	#0	QAM16	2630.67	-38.01	-25	PASS
Band38	15	37825	75	#0	QPSK	2554.50	-34.82	-25	PASS
Band38	15	37825	75	#0	QAM16	2552.35	-36.31	-25	PASS
Band38	15	38175	75	#0	QPSK	2635.58	-36.09	-25	PASS
Band38	15	38175	75	#0	QAM16	2638.17	-36.01	-25	PASS
Band38	20	37850	100	#0	QPSK	2547.16	-39.68	-25	PASS
Band38	20	37850	100	#0	QAM16	2545.79	-40.53	-25	PASS
Band38	20	38150	100	#0	QPSK	2644.28	-39.25	-25	PASS
Band38	20	38150	100	#0	QAM16	2644.86	-39.19	-25	PASS
Band4	1.4	19957	6	#0	QPSK	1709.98	-25.82	-13	PASS
Band4	1.4	19957	6	#0	QAM16	1709.99	-28.15	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-26.26	-13	PASS
Band4	1.4	20393	6	#0	QAM16	1755.00	-28.23	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-26.44	-13	PASS
Band4	3	19965	15	#0	QAM16	1709.96	-29.26	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.09	-27.52	-13	PASS
Band4	3	20385	15	#0	QAM16	1755.01	-29.26	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.92	-26.75	-13	PASS
Band4	5	19975	25	#0	QAM16	1709.99	-28.44	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.02	-26.67	-13	PASS
Band4	5	20375	25	#0	QAM16	1755.00	-28.54	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.86	-25.72	-13	PASS
Band4	10	20000	50	#0	QAM16	1709.18	-28.08	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.06	-27.01	-13	PASS
Band4	10	20350	50	#0	QAM16	1755.00	-29.49	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.46	-21.83	-13	PASS
Band4	15	20025	75	#0	QAM16	1709.67	-26.73	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.78	-24.88	-13	PASS
Band4	15	20325	75	#0	QAM16	1755.00	-29.22	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.84	-25.55	-13	PASS
Band4	20	20050	100	#0	QAM16	1709.92	-27.83	-13	PASS

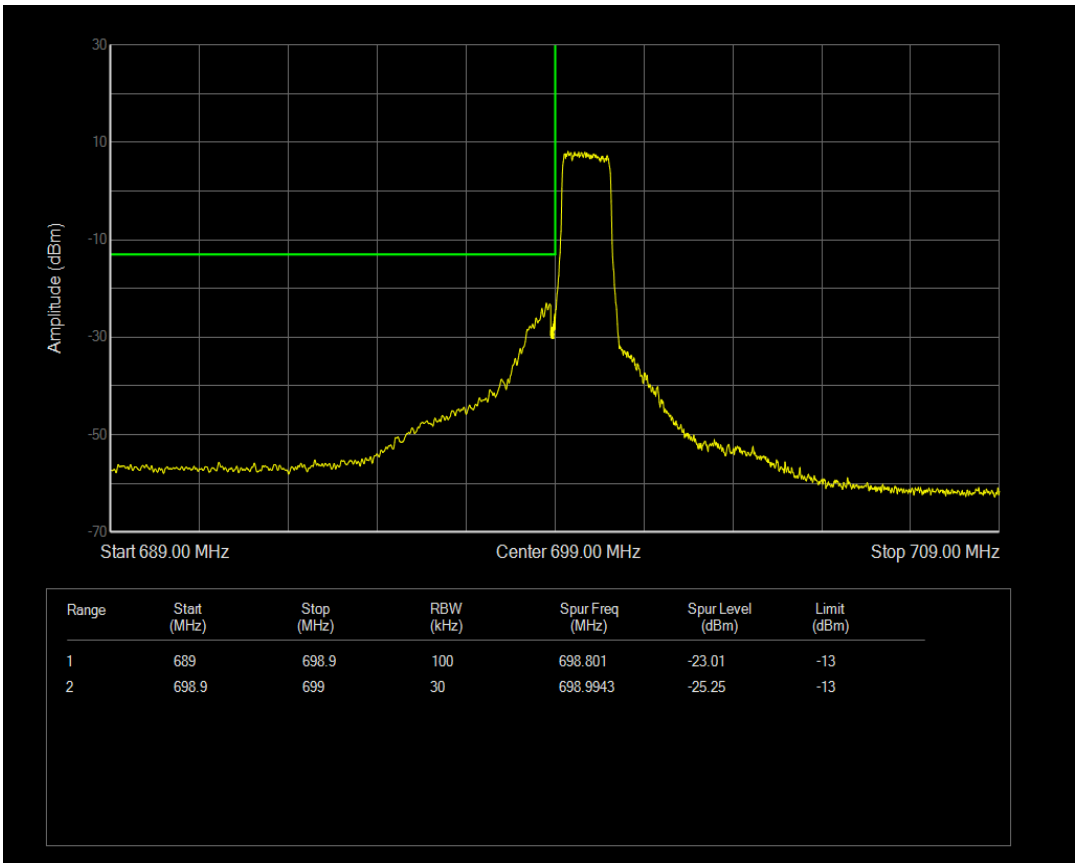
Band4	20	20300	100	#0	QPSK	1755.04	-31.11	-13	PASS
Band4	20	20300	100	#0	QAM16	1755.08	-31.96	-13	PASS
Band40a	5	38725	25	#0	QPSK	2299.92	-26.23	-25	PASS
Band40a	5	38725	25	#0	QAM16	2291.73	-40.26	-37	PASS
Band40a	5	38775	25	#0	QPSK	2324.13	-35.17	-31	PASS
Band40a	5	38775	25	#0	QAM16	2320.17	-28.04	-25	PASS
Band40a	10	38750	50	#0	QPSK	2291.70	-40.50	-37	PASS
Band40a	10	38750	50	#0	QAM16	2299.51	-26.97	-25	PASS
Band40b	5	39175	25	#0	QPSK	2366.88	-41.36	-40	PASS
Band40b	5	39175	25	#0	QAM16	2376.97	-41.80	-40	PASS
Band40b	5	39225	25	#0	QPSK	2365.02	-41.66	-40	PASS
Band40b	5	39225	25	#0	QAM16	2365.12	-41.59	-40	PASS
Band40b	10	39200	50	#0	QPSK	2377.05	-41.71	-40	PASS
Band40b	10	39200	50	#0	QAM16	2369.37	-41.69	-40	PASS
Band41(2545-2655)	5	40165	25	#0	QPSK	2543.94	-12.84	-10	PASS
Band41(2545-2655)	5	40165	25	#0	QAM16	2543.96	-13.93	-10	PASS
Band41(2545-2655)	5	41215	25	#0	QPSK	2656.03	-13.18	-10	PASS
Band41(2545-2655)	5	41215	25	#0	QAM16	2656.01	-13.98	-10	PASS
Band41(2545-2655)	10	40190	50	#0	QPSK	2543.89	-16.66	-10	PASS
Band41(2545-2655)	10	40190	50	#0	QAM16	2543.74	-19.86	-10	PASS
Band41(2545-2655)	10	41190	50	#0	QPSK	2656.10	-14.50	-10	PASS
Band41(2545-2655)	10	41190	50	#0	QAM16	2656.31	-17.32	-10	PASS
Band41(2545-2655)	15	40215	75	#0	QPSK	2543.98	-18.70	-10	PASS
Band41(2545-2655)	15	40215	75	#0	QAM16	2543.85	-22.85	-10	PASS
Band41(2545-2655)	15	41165	75	#0	QPSK	2656.04	-13.39	-10	PASS
Band41(2545-2655)	15	41165	75	#0	QAM16	2660.10	-17.34	-13	PASS
Band41(2545-2655)	20	40240	100	#0	QPSK	2543.96	-23.49	-10	PASS
Band41(2545-2655)	20	40240	100	#0	QAM16	2524.81	-41.72	-25	PASS
Band41(2545-2655)	20	41140	100	#0	QPSK	2660.21	-18.01	-13	PASS
Band41(2545-2655)	20	41140	100	#0	QAM16	2660.02	-21.61	-13	PASS
Band5	1.4	20407	6	#0	QPSK	824.00	-29.57	-13	PASS
Band5	1.4	20407	6	#0	QAM16	824.00	-30.99	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.00	-24.13	-13	PASS
Band5	1.4	20643	6	#0	QAM16	849.04	-27.58	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-31.37	-13	PASS
Band5	3	20415	15	#0	QAM16	824.00	-32.28	-13	PASS
Band5	3	20635	15	#0	QPSK	849.01	-25.85	-13	PASS
Band5	3	20635	15	#0	QAM16	849.00	-27.23	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-28.85	-13	PASS
Band5	5	20425	25	#0	QAM16	824.00	-30.44	-13	PASS
Band5	5	20625	25	#0	QPSK	849.00	-25.08	-13	PASS
Band5	5	20625	25	#0	QAM16	849.01	-27.53	-13	PASS
Band5	10	20450	50	#0	QPSK	823.94	-32.71	-13	PASS
Band5	10	20450	50	#0	QAM16	823.98	-33.74	-13	PASS

Band5	10	20600	50	#0	QPSK	849.06	-26.79	-13	PASS
Band5	10	20600	50	#0	QAM16	849.08	-29.42	-13	PASS
Band7	5	20775	25	#0	QPSK	2499.00	-21.45	-10	PASS
Band7	5	20775	25	#0	QAM16	2498.99	-20.48	-10	PASS
Band7	5	21425	25	#0	QPSK	2571.02	-19.85	-10	PASS
Band7	5	21425	25	#0	QAM16	2571.01	-20.66	-10	PASS
Band7	10	20800	50	#0	QPSK	2489.91	-40.50	-25	PASS
Band7	10	20800	50	#0	QAM16	2489.94	-40.15	-25	PASS
Band7	10	21400	50	#0	QPSK	2580.09	-40.90	-25	PASS
Band7	10	21400	50	#0	QAM16	2580.12	-40.34	-25	PASS
Band7	15	20825	75	#0	QPSK	2484.73	-41.51	-25	PASS
Band7	15	20825	75	#0	QAM16	2484.98	-41.39	-25	PASS
Band7	15	21375	75	#0	QPSK	2585.23	-40.76	-25	PASS
Band7	15	21375	75	#0	QAM16	2585.22	-40.91	-25	PASS
Band7	20	20850	100	#0	QPSK	2475.29	-41.71	-25	PASS
Band7	20	20850	100	#0	QAM16	2475.96	-41.62	-25	PASS
Band7	20	21350	100	#0	QPSK	2593.66	-41.19	-25	PASS
Band7	20	21350	100	#0	QAM16	2592.70	-41.19	-25	PASS

Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0

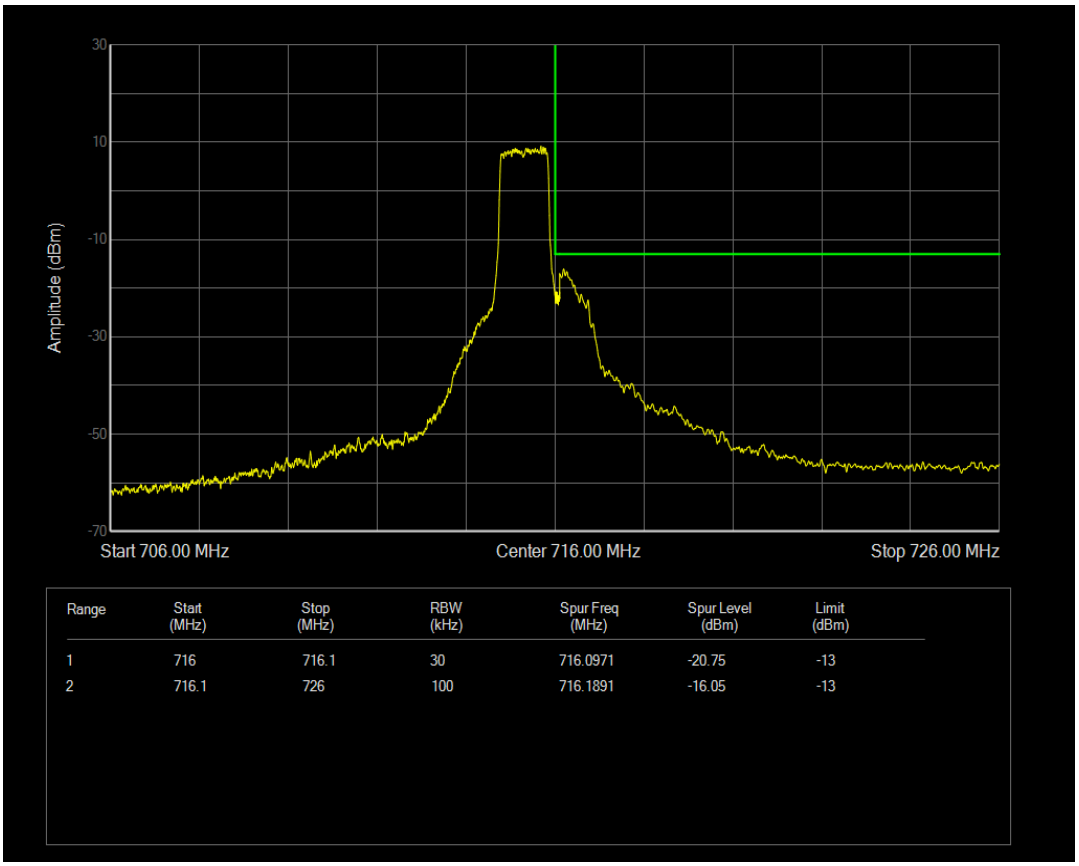


Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0



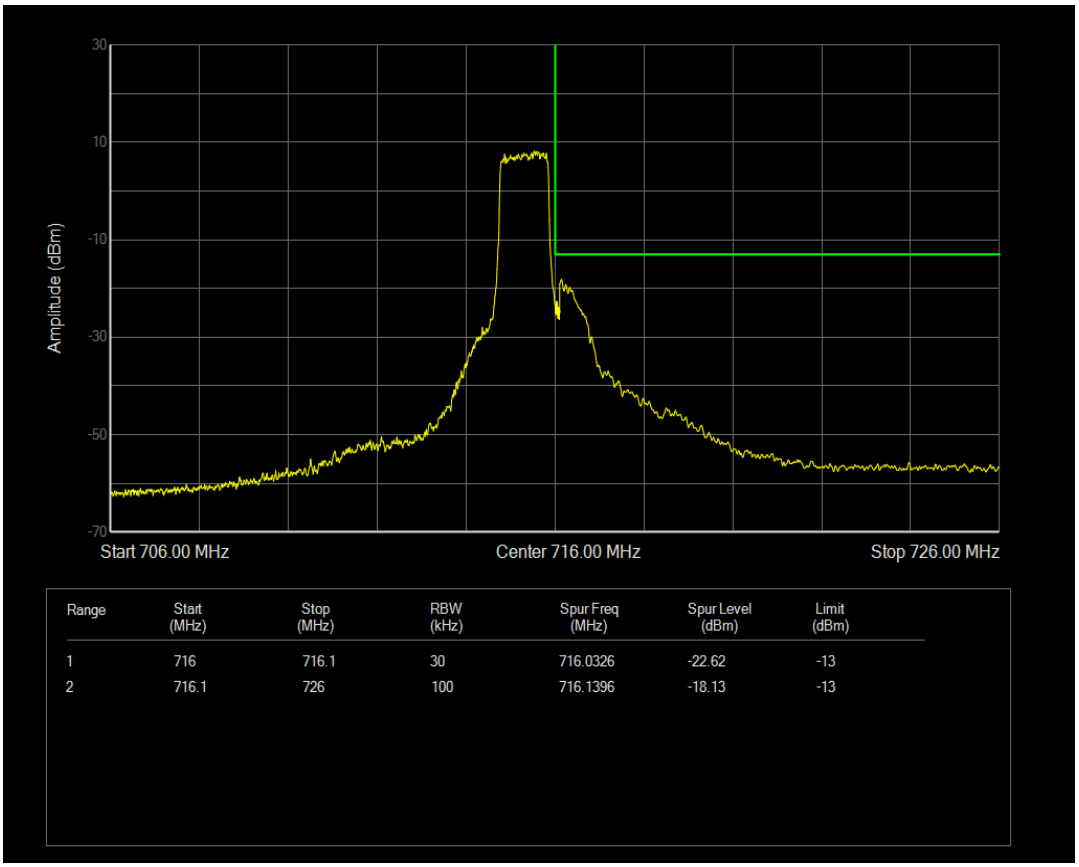
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.801	-23.01	-13
2	698.9	699	30	698.9943	-25.25	-13

Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



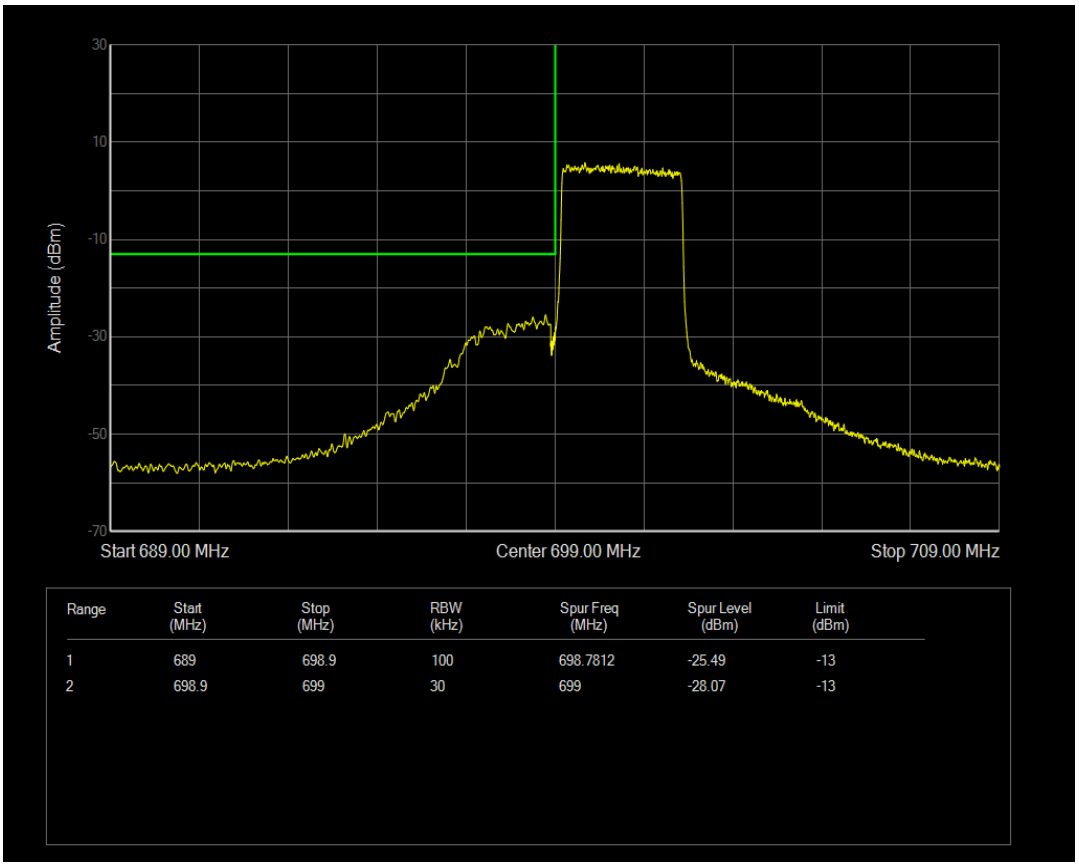
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0971	-20.75	-13
2	716.1	726	100	716.1891	-16.05	-13

Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



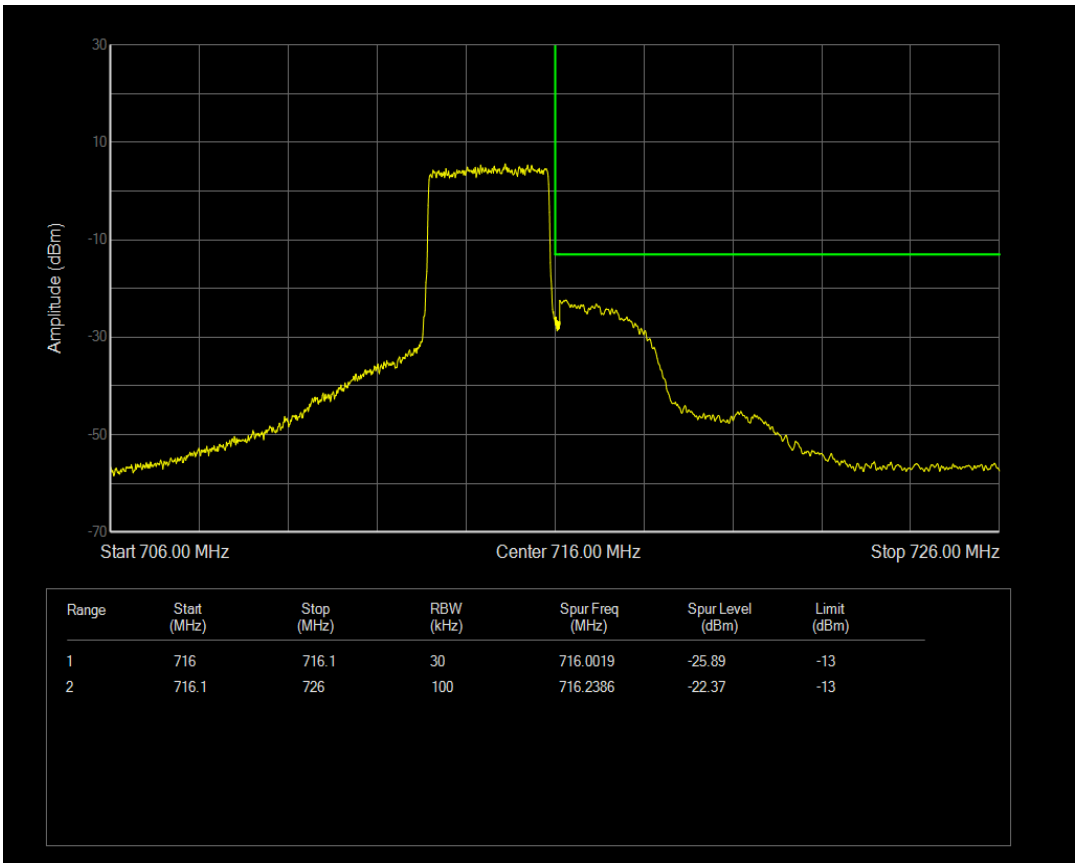
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0326	-22.62	-13
2	716.1	726	100	716.1396	-18.13	-13

Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



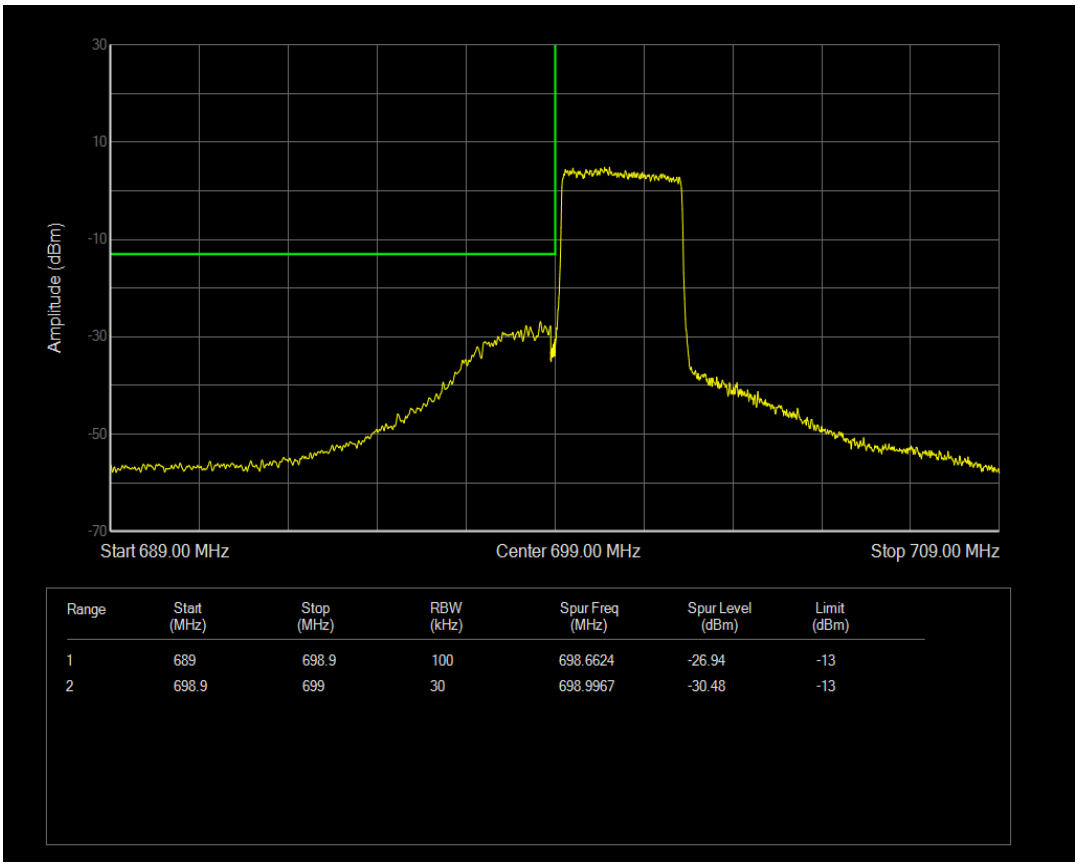
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.7812	-25.49	-13
2	698.9	699	30	699	-28.07	-13

Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



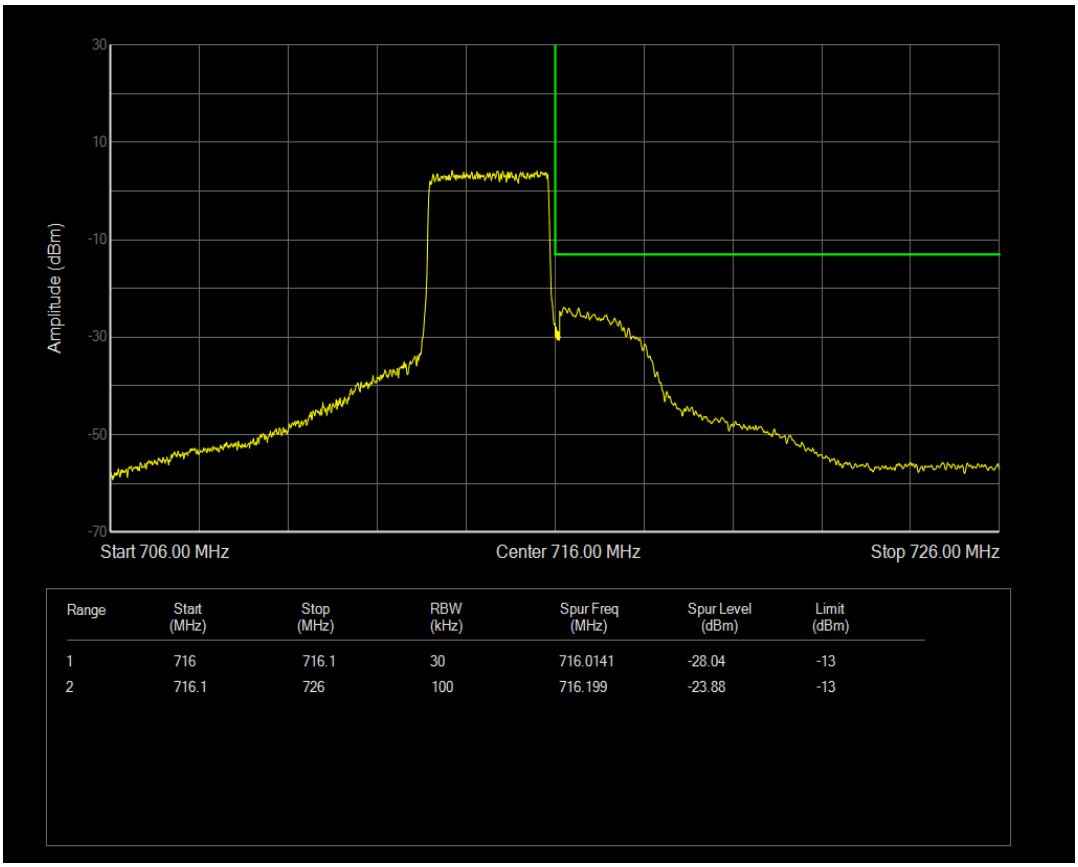
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0019	-25.89	-13
2	716.1	726	100	716.2386	-22.37	-13

Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0



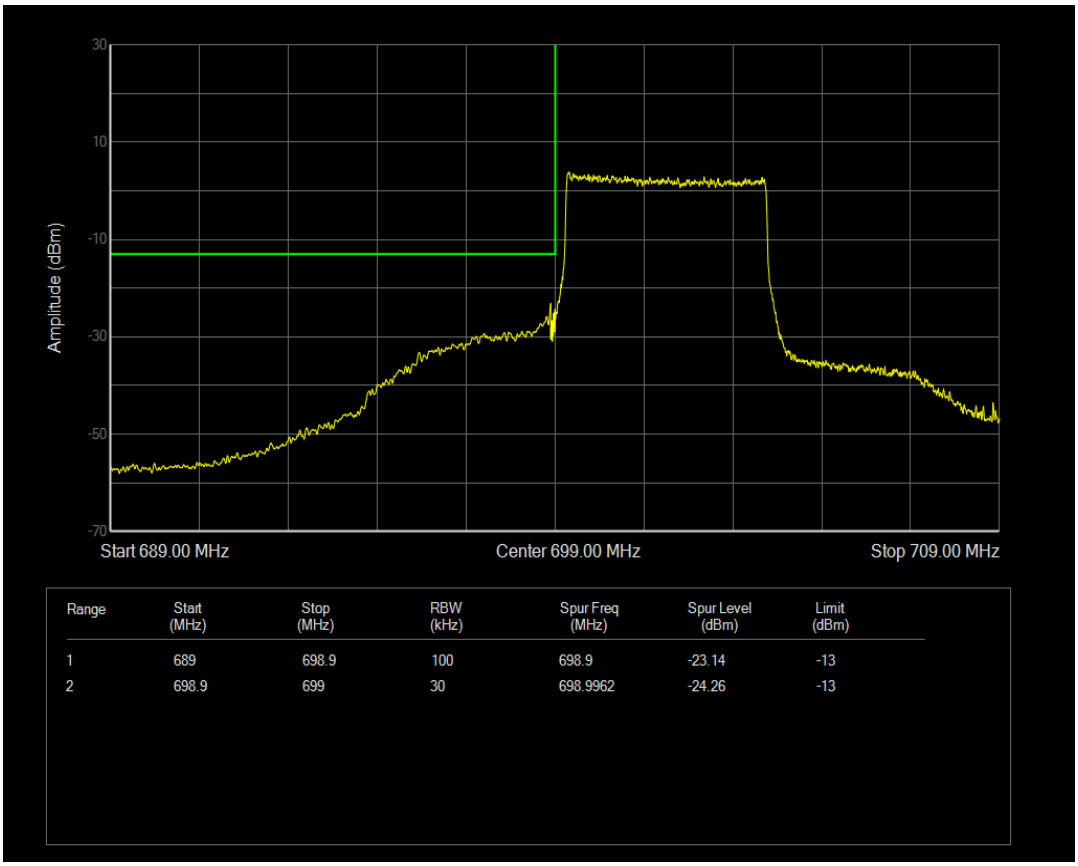
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.6624	-26.94	-13
2	698.9	699	30	698.9967	-30.48	-13

Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



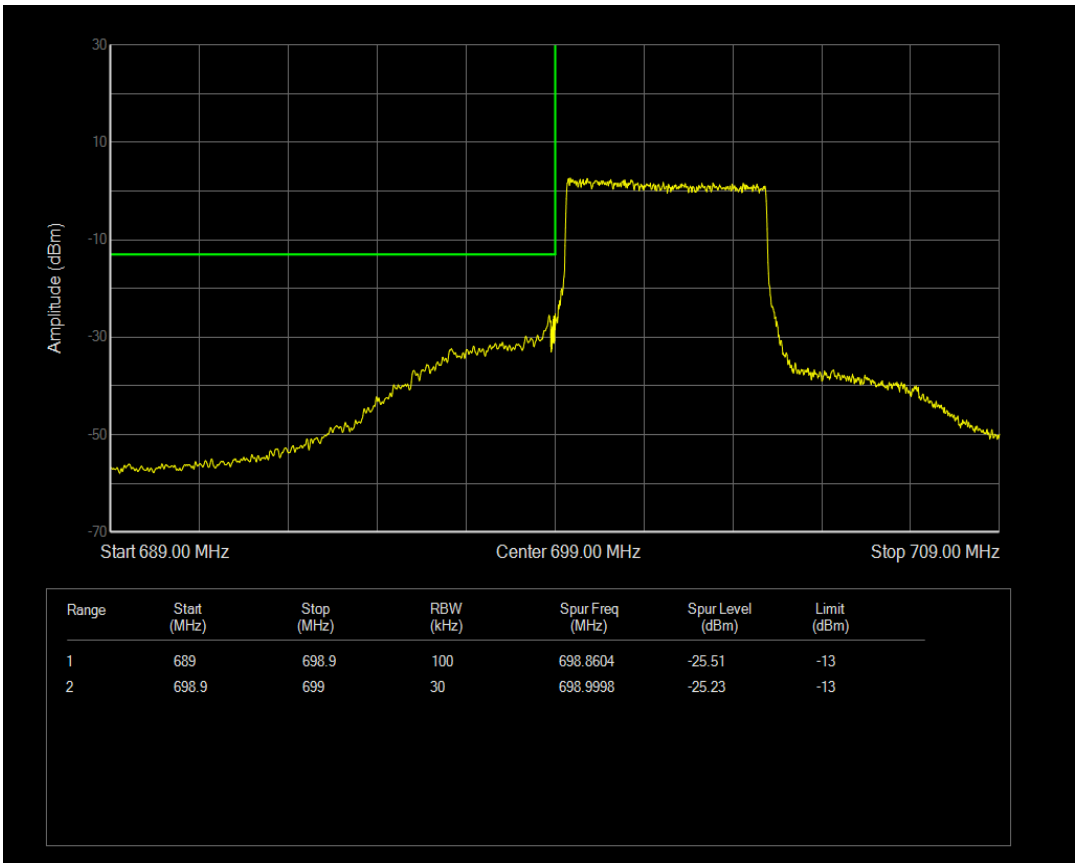
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0141	-28.04	-13
2	716.1	726	100	716.199	-23.88	-13

Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



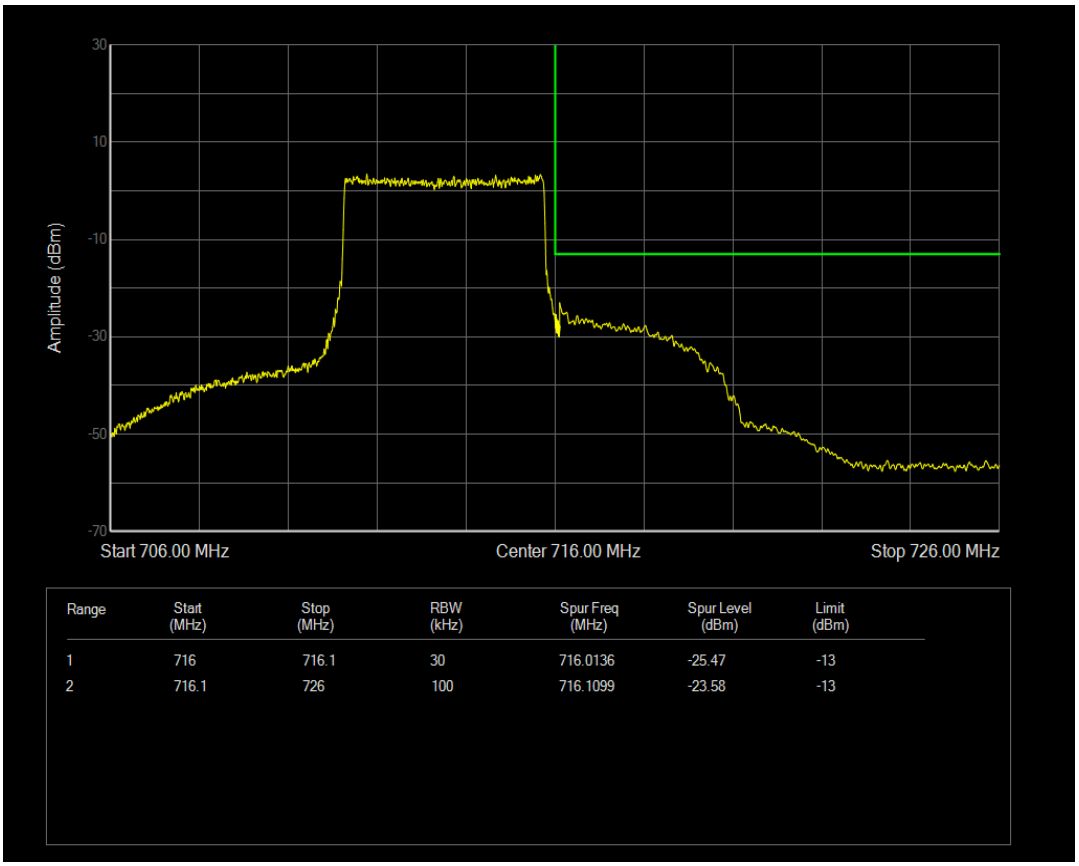
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-23.14	-13
2	698.9	699	30	698.9962	-24.26	-13

Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0



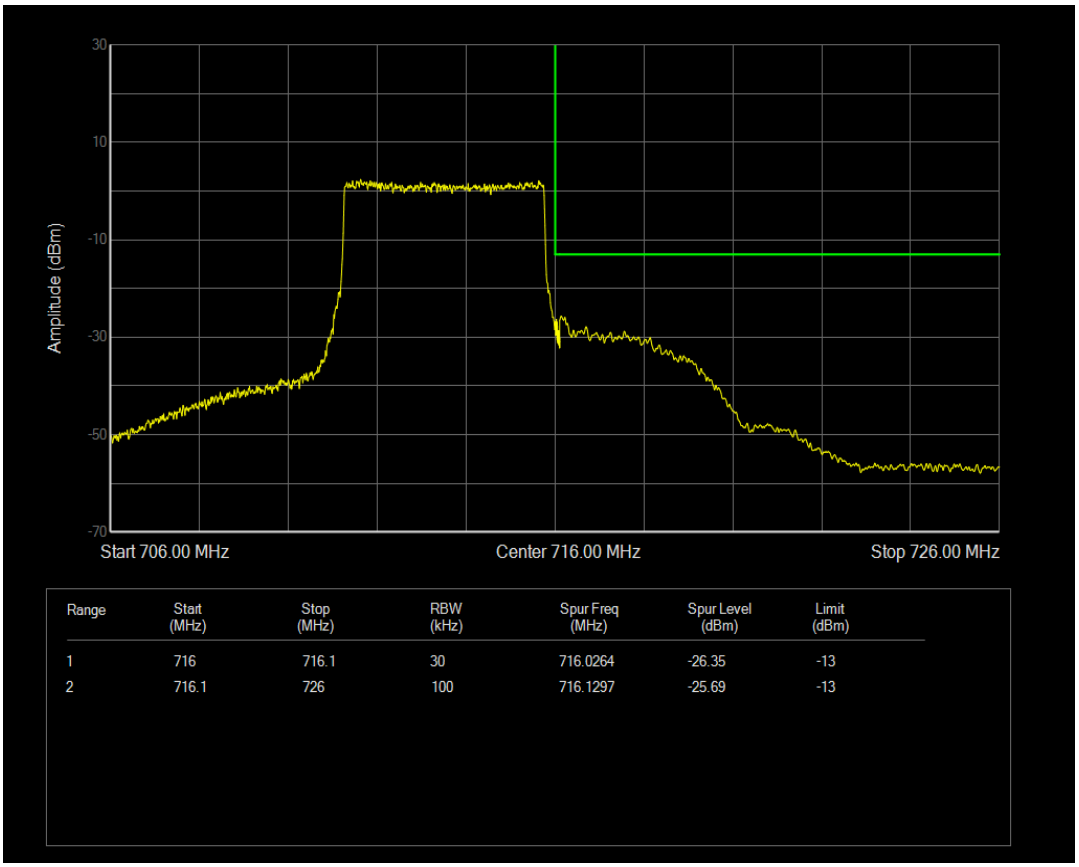
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.8604	-25.51	-13
2	698.9	699	30	698.9998	-25.23	-13

Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



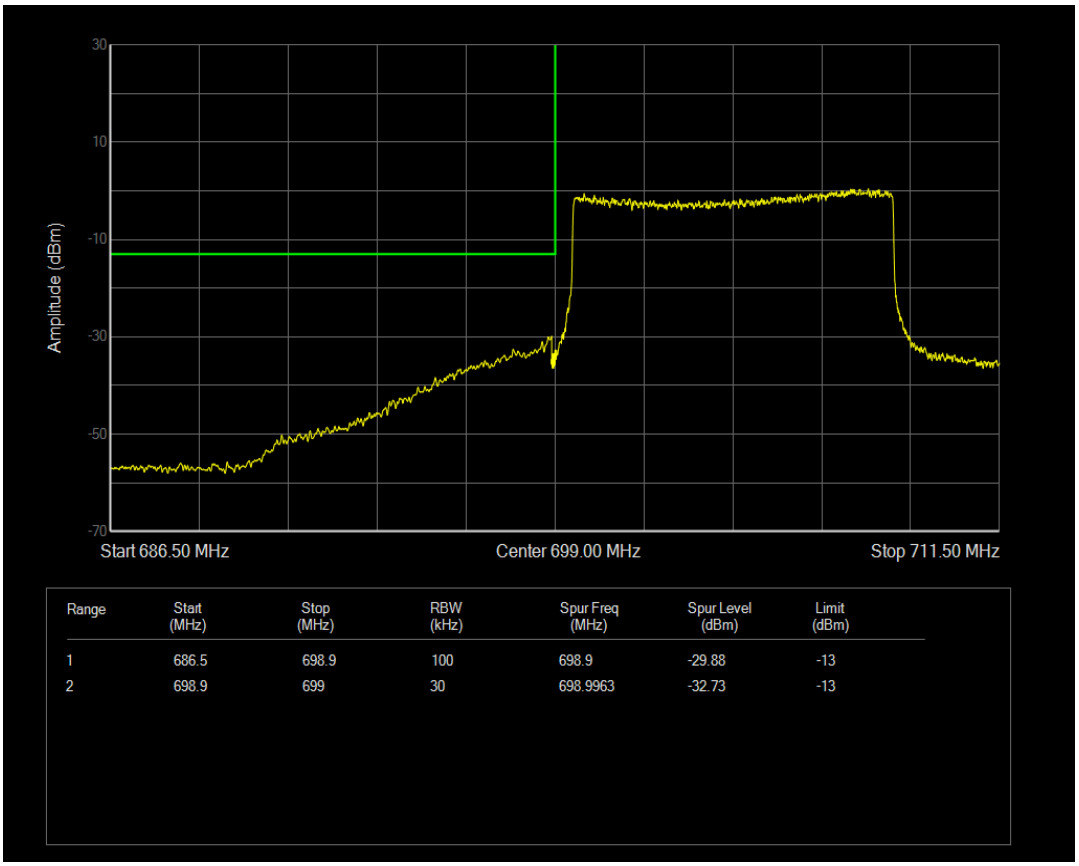
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0136	-25.47	-13
2	716.1	726	100	716.1099	-23.58	-13

Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0



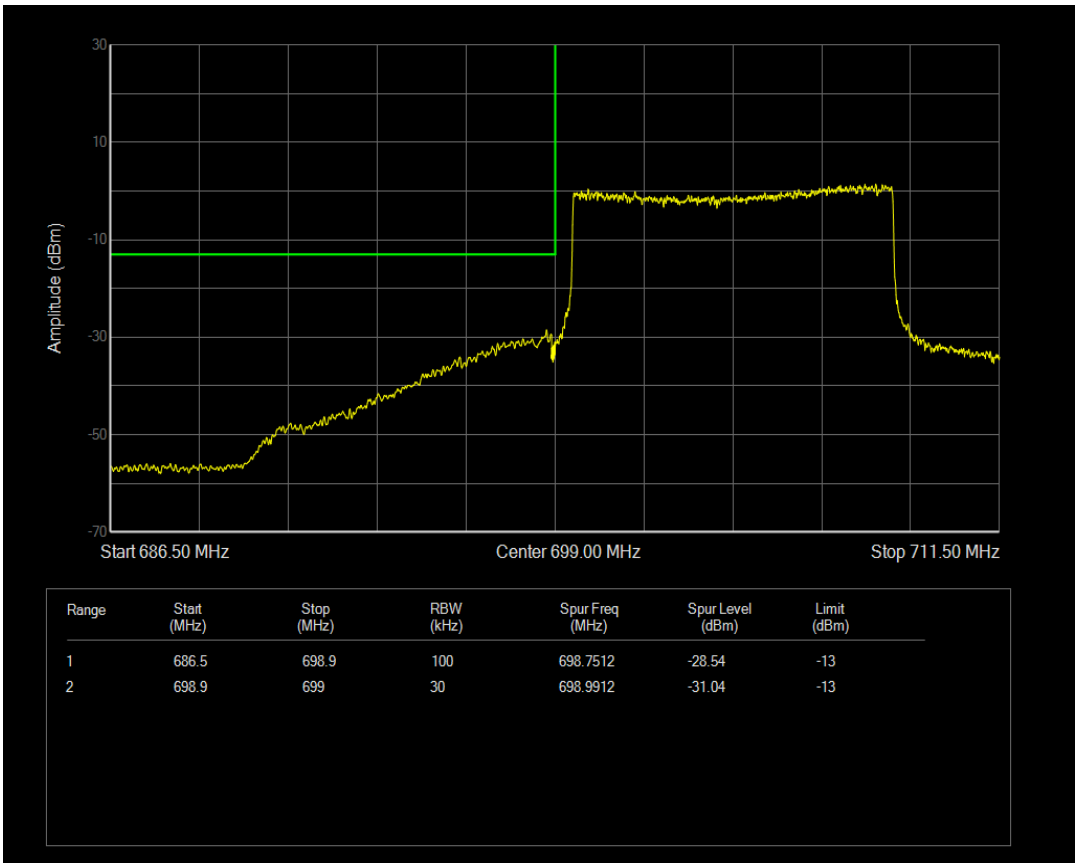
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0264	-26.35	-13
2	716.1	726	100	716.1297	-25.69	-13

Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0



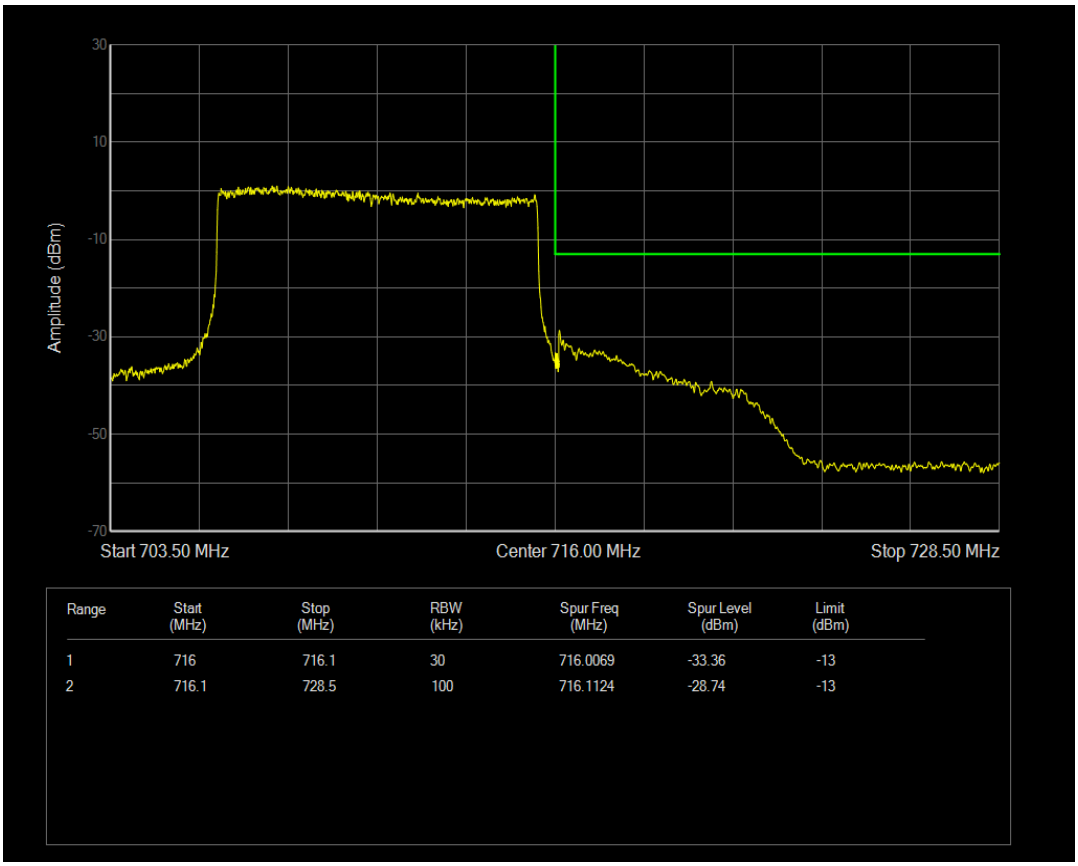
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	698.9	-29.88	-13
2	698.9	699	30	698.9963	-32.73	-13

Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



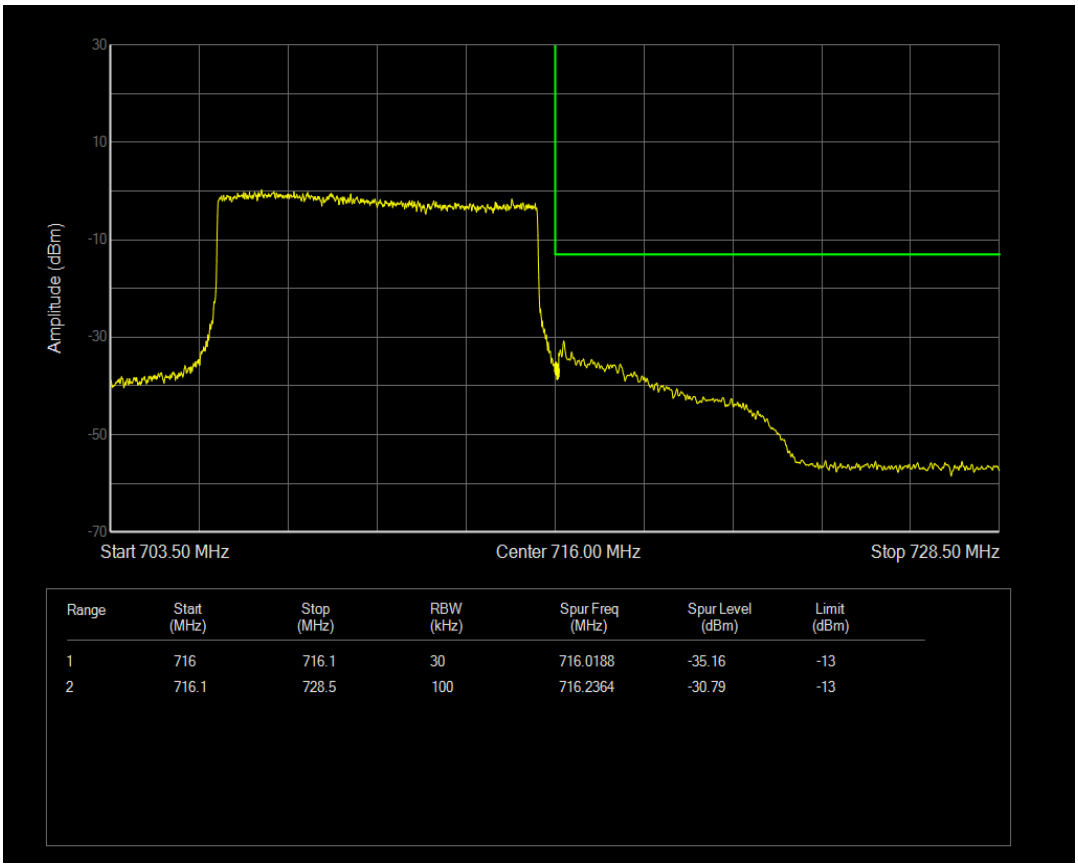
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	698.7512	-28.54	-13
2	698.9	699	30	698.9912	-31.04	-13

Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0069	-33.36	-13
2	716.1	728.5	100	716.1124	-28.74	-13

Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0188	-35.16	-13
2	716.1	728.5	100	716.2364	-30.79	-13

Band17 QAM16 BW=5MHz Channel=23755 RB Size=25 Position=#0

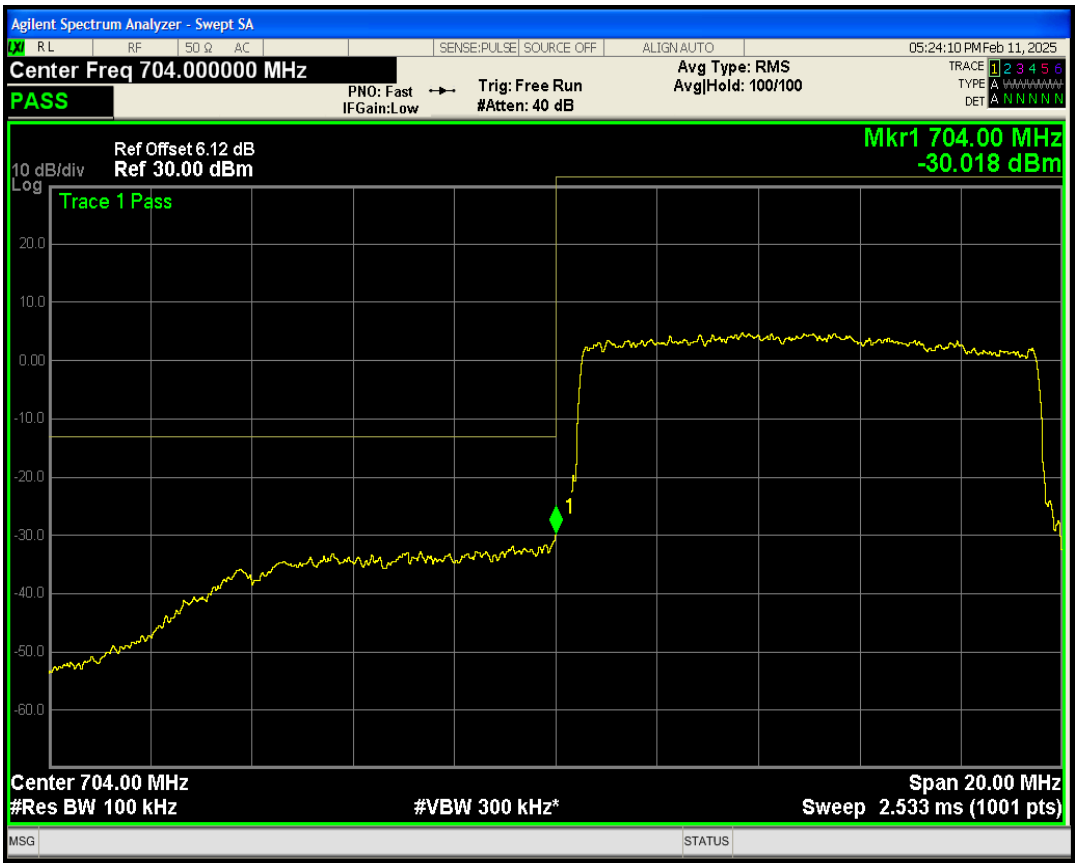
Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0

Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0

Band17 QAM16 BW=5MHz Channel=23825 RB Size=25 Position=#0

Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0



Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0

Band17 QAM16 BW=10MHz Channel=23800 RB Size=50 Position=#0

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0

Band2 QAM16 BW=1.4MHz Channel=18607 RB Size=6 Position=#0

Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0

Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0

Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=6 Position=#0

Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0

Band2 QAM16 BW=3MHz Channel=18615 RB Size=15 Position=#0

Band2 QAM16 BW=3MHz Channel=19185 RB Size=15 Position=#0

Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0

Band2 QAM16 BW=5MHz Channel=18625 RB Size=25 Position=#0

Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

Band2 QAM16 BW=5MHz Channel=19175 RB Size=25 Position=#0

Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0

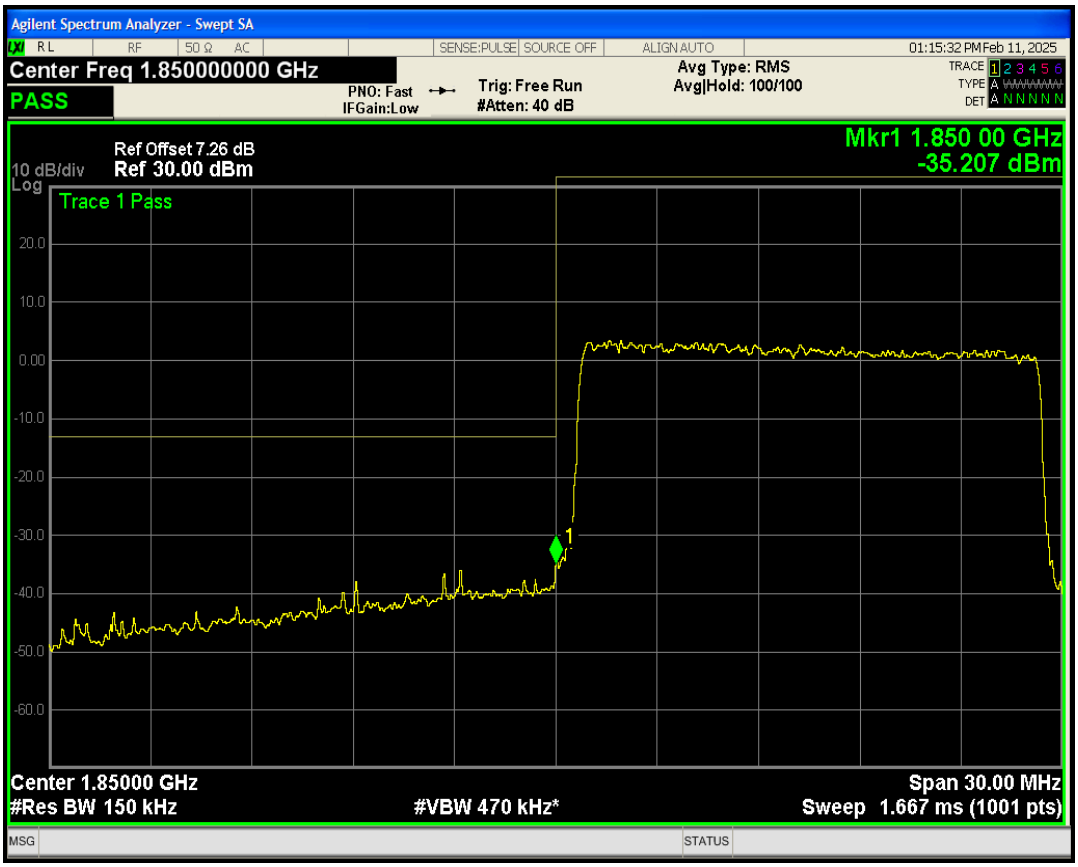
Band2 QAM16 BW=10MHz Channel=18650 RB Size=50 Position=#0

Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0

Band2 QAM16 BW=10MHz Channel=19150 RB Size=50 Position=#0

Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0

Band2 QAM16 BW=15MHz Channel=18675 RB Size=75 Position=#0



Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0

Band2 QAM16 BW=15MHz Channel=19125 RB Size=75 Position=#0

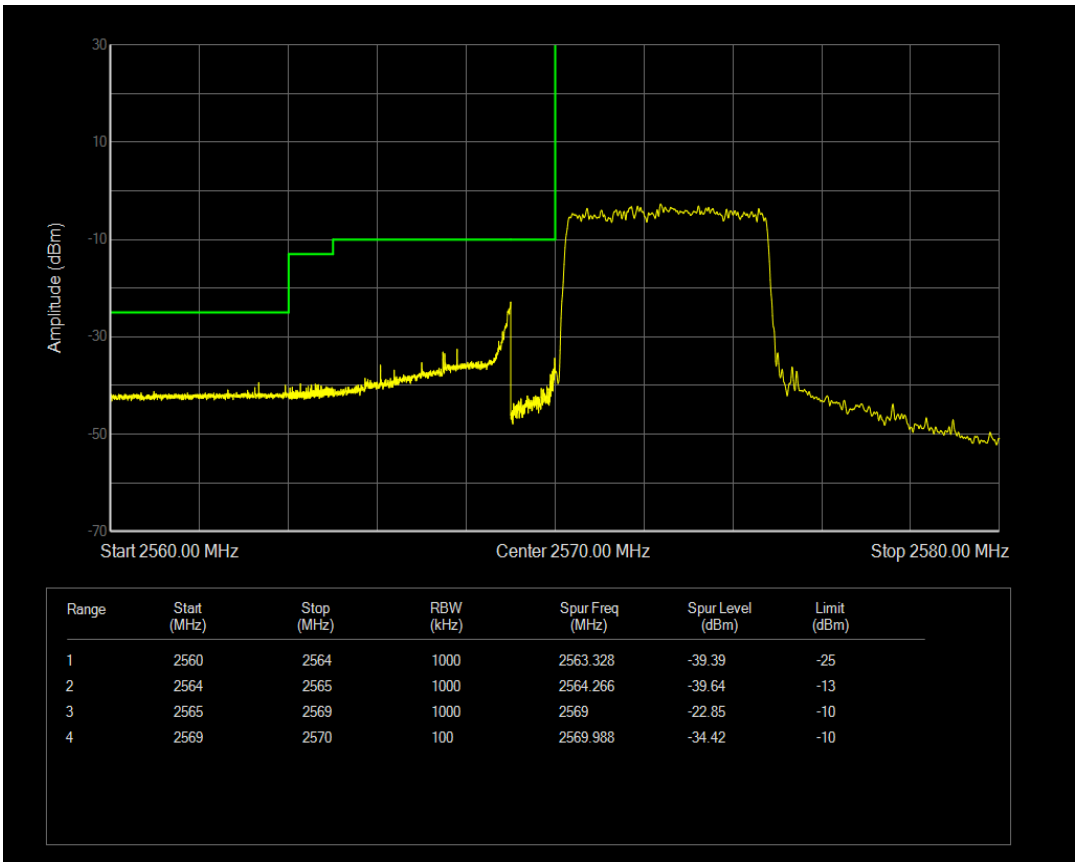
Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0

Band2 QAM16 BW=20MHz Channel=18700 RB Size=100 Position=#0

Band2 QAM16 BW=20MHz Channel=19100 RB Size=100 Position=#0

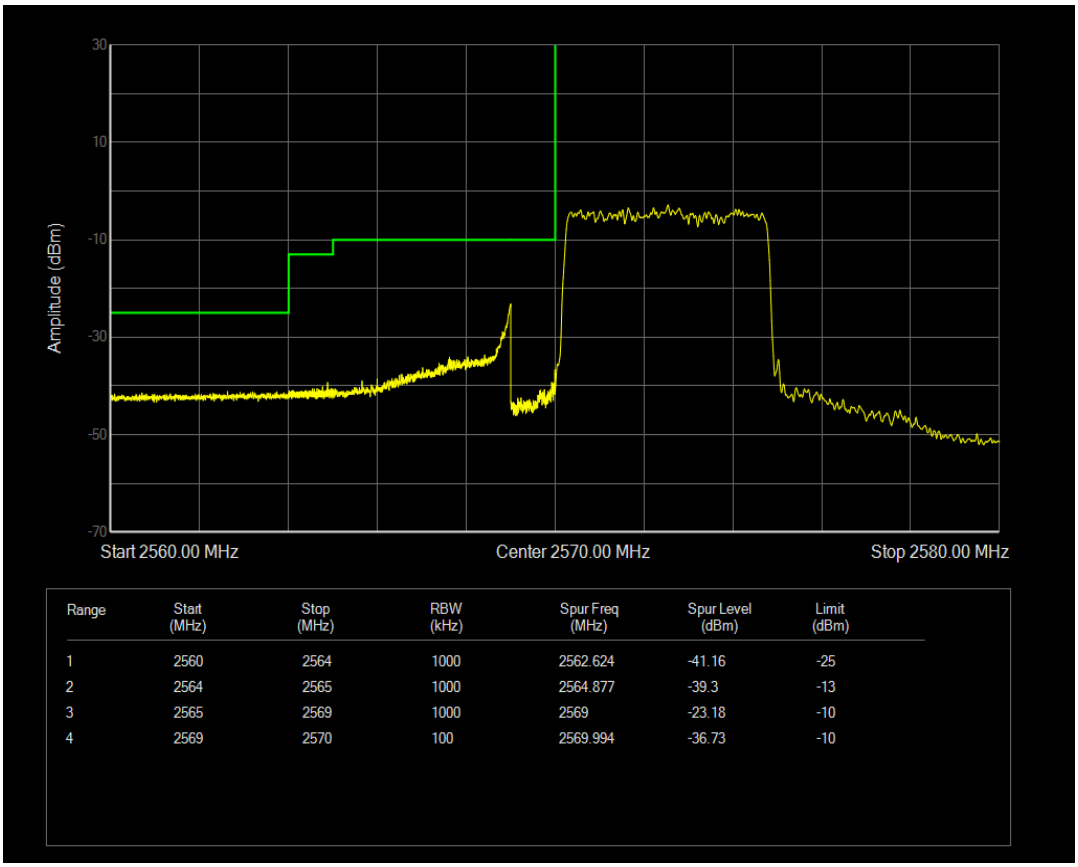
Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0

Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



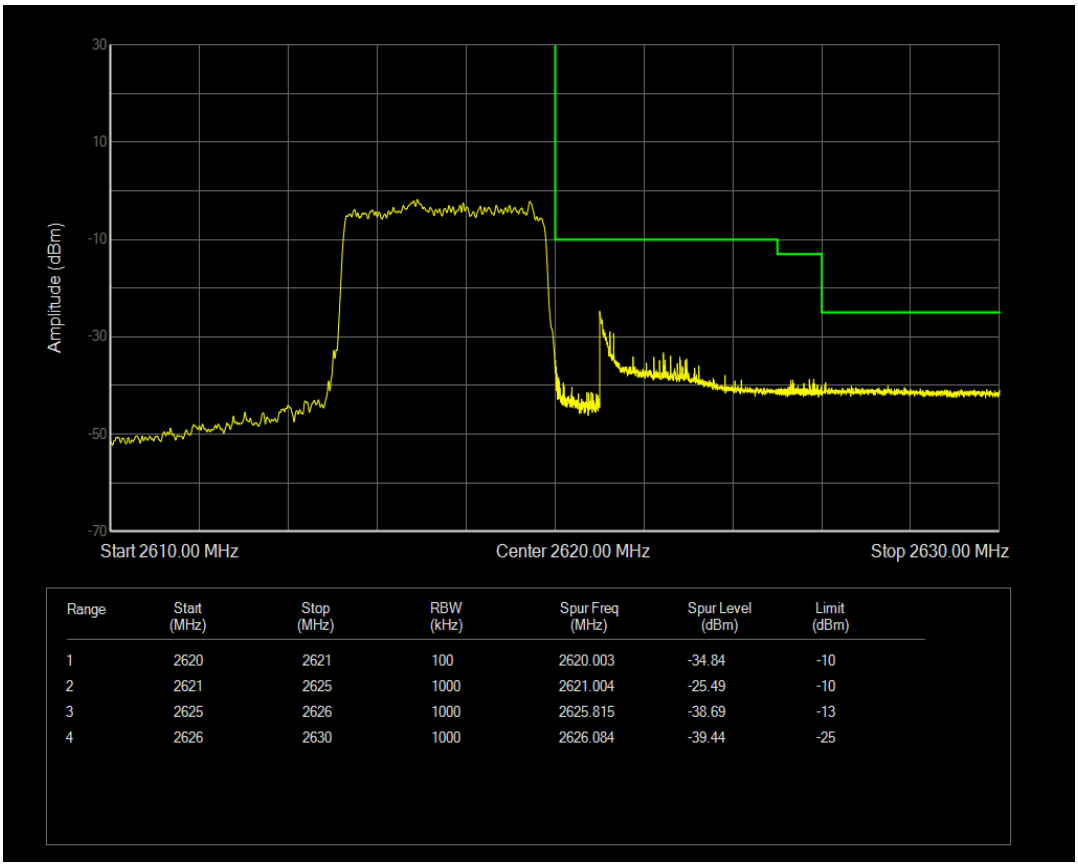
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2560	2564	1000	2563.328	-39.39	-25
2	2564	2565	1000	2564.266	-39.64	-13
3	2565	2569	1000	2569	-22.85	-10
4	2569	2570	100	2569.988	-34.42	-10

Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0



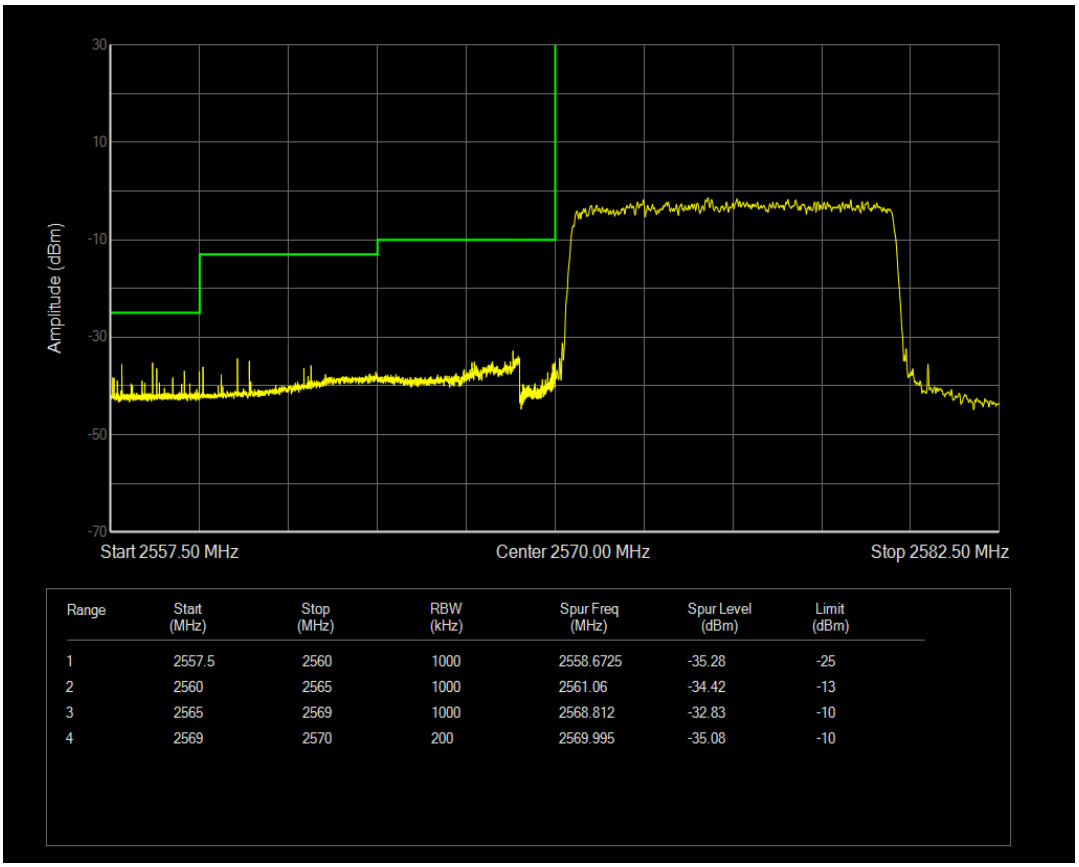
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2560	2564	1000	2562.624	-41.16	-25
2	2564	2565	1000	2564.877	-39.3	-13
3	2565	2569	1000	2569	-23.18	-10
4	2569	2570	100	2569.994	-36.73	-10

Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



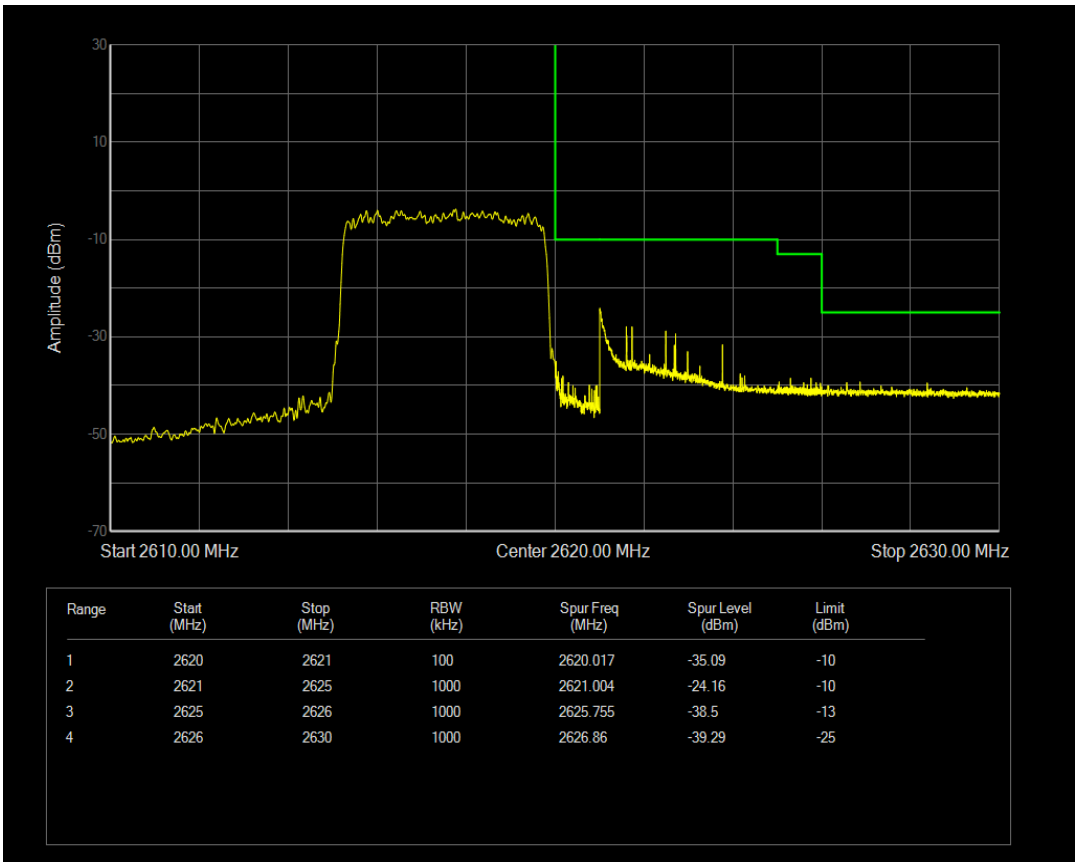
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	100	2620.003	-34.84	-10
2	2621	2625	1000	2621.004	-25.49	-10
3	2625	2626	1000	2625.815	-38.69	-13
4	2626	2630	1000	2626.084	-39.44	-25

Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



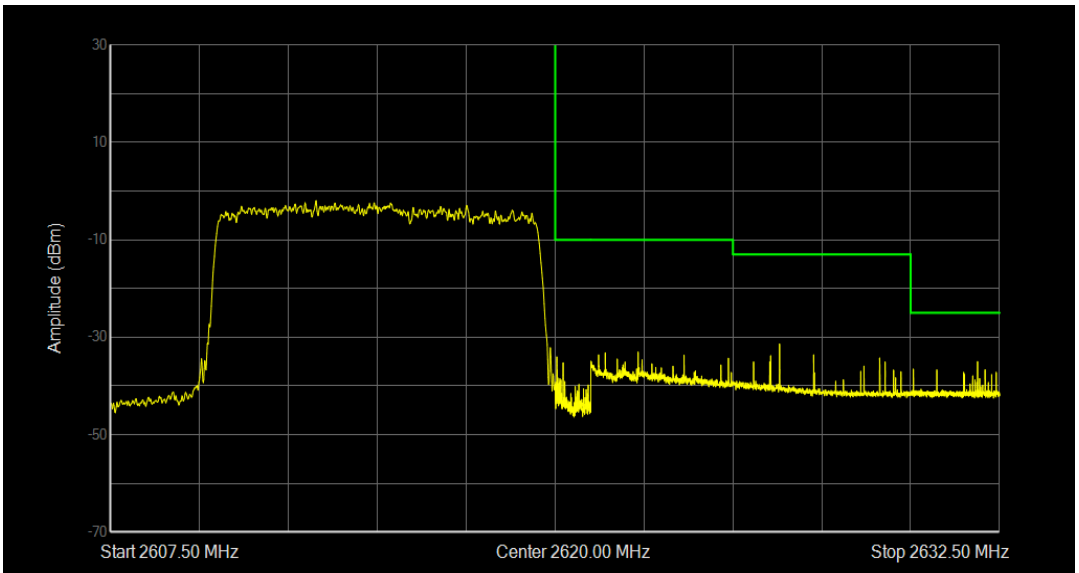
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2558.6725	-35.28	-25
2	2560	2565	1000	2561.06	-34.42	-13
3	2565	2569	1000	2568.812	-32.83	-10
4	2569	2570	200	2569.995	-35.08	-10

Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0



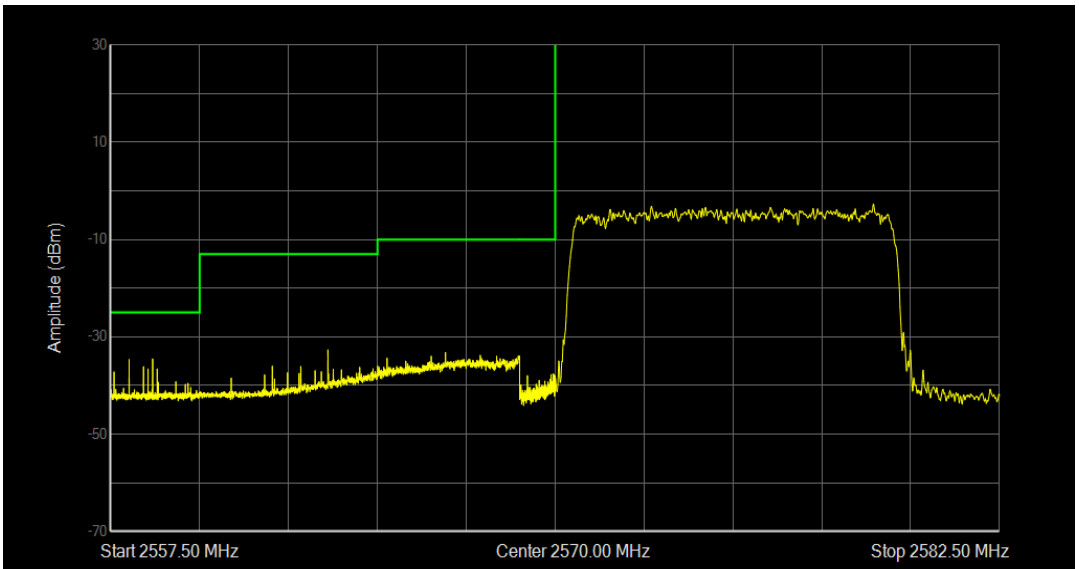
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	100	2620.017	-35.09	-10
2	2621	2625	1000	2621.004	-24.16	-10
3	2625	2626	1000	2625.755	-38.5	-13
4	2626	2630	1000	2626.86	-39.29	-25

Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



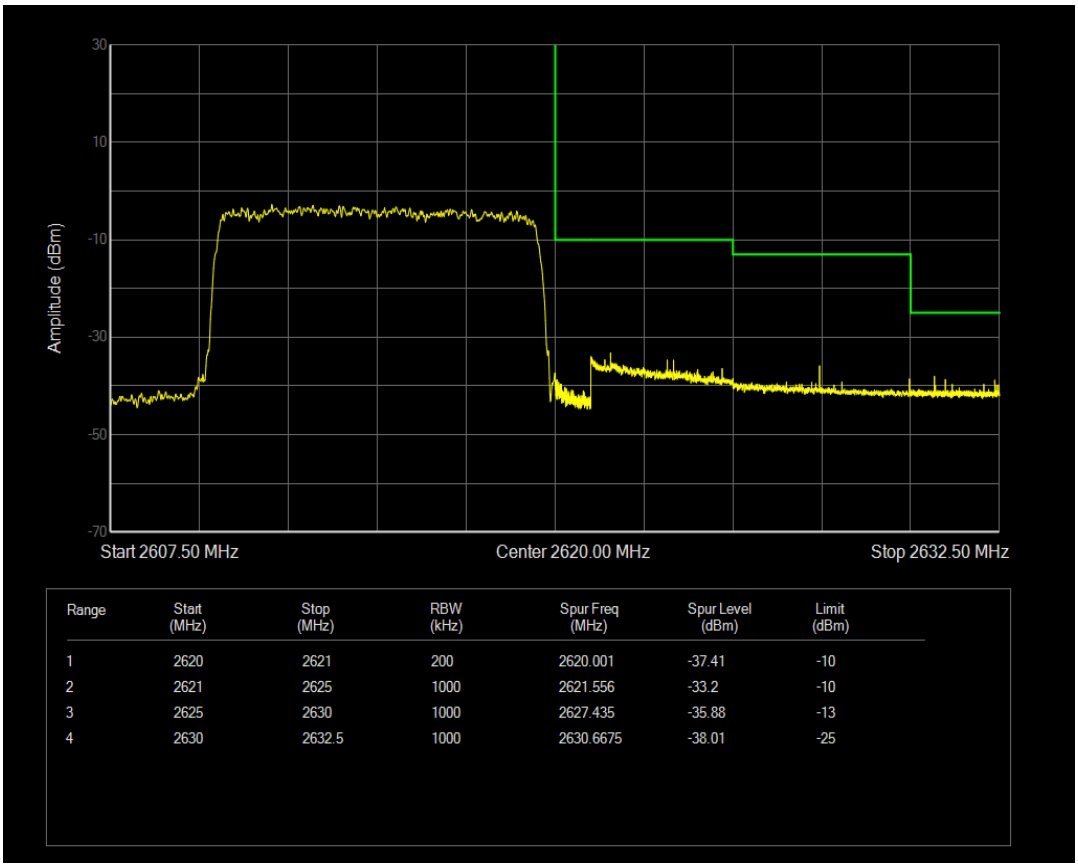
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	200	2620.046	-34.05	-10
2	2621	2625	1000	2622.332	-33.06	-10
3	2625	2630	1000	2626.31	-31.38	-13
4	2630	2632.5	1000	2631.88	-35.01	-25

Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0



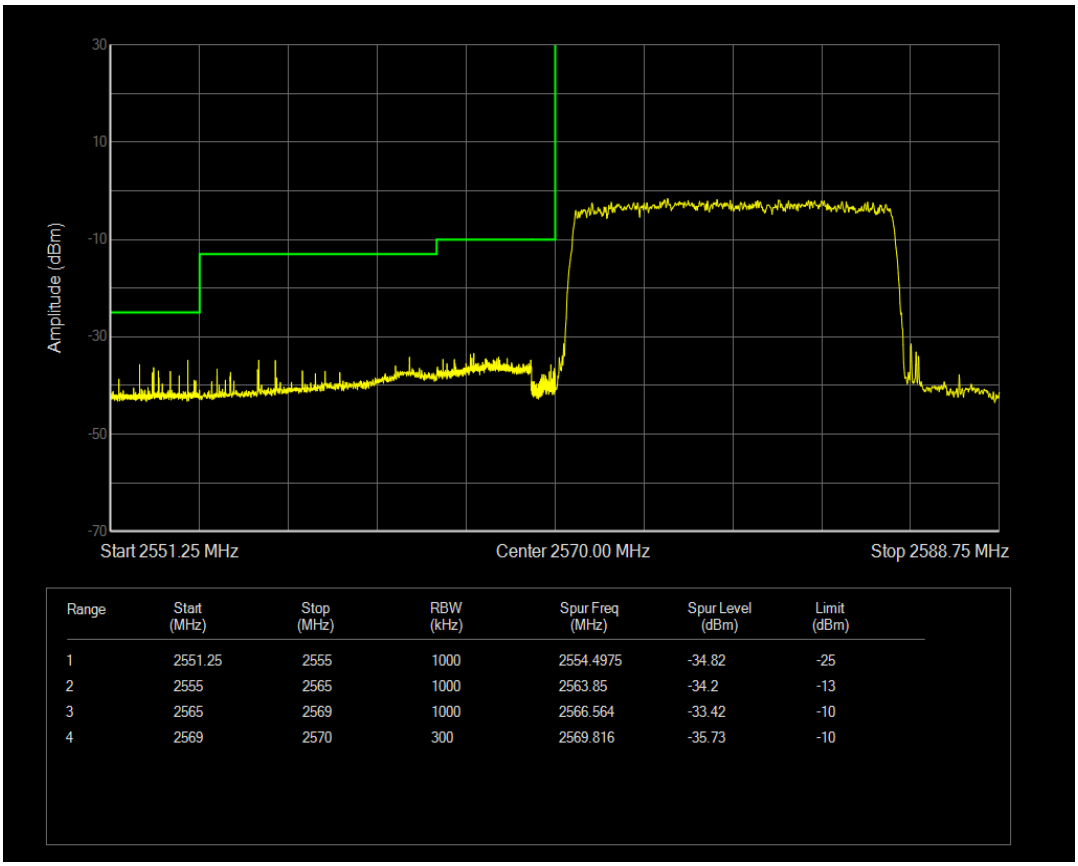
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2558.675	-34.55	-25
2	2560	2565	1000	2563.605	-32.68	-13
3	2565	2569	1000	2566.912	-33.21	-10
4	2569	2570	200	2569.947	-37.64	-10

Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0



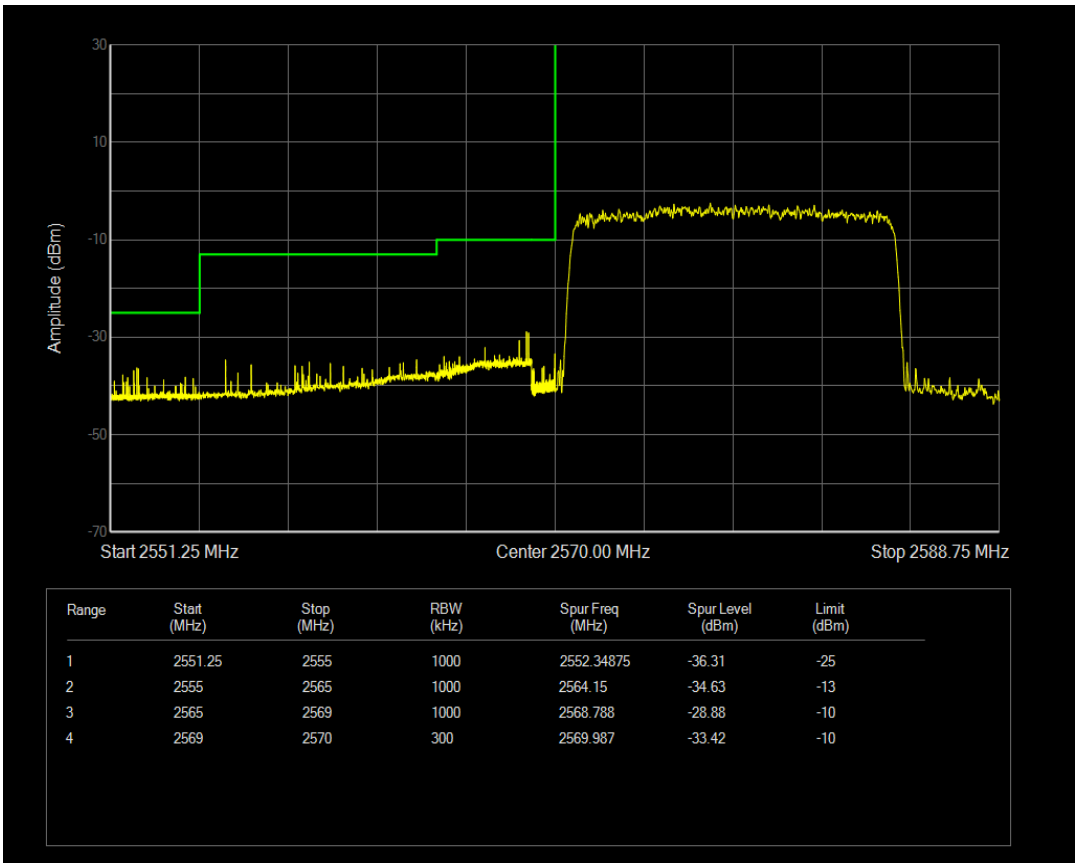
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	200	2620.001	-37.41	-10
2	2621	2625	1000	2621.556	-33.2	-10
3	2625	2630	1000	2627.435	-35.88	-13
4	2630	2632.5	1000	2630.6675	-38.01	-25

Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



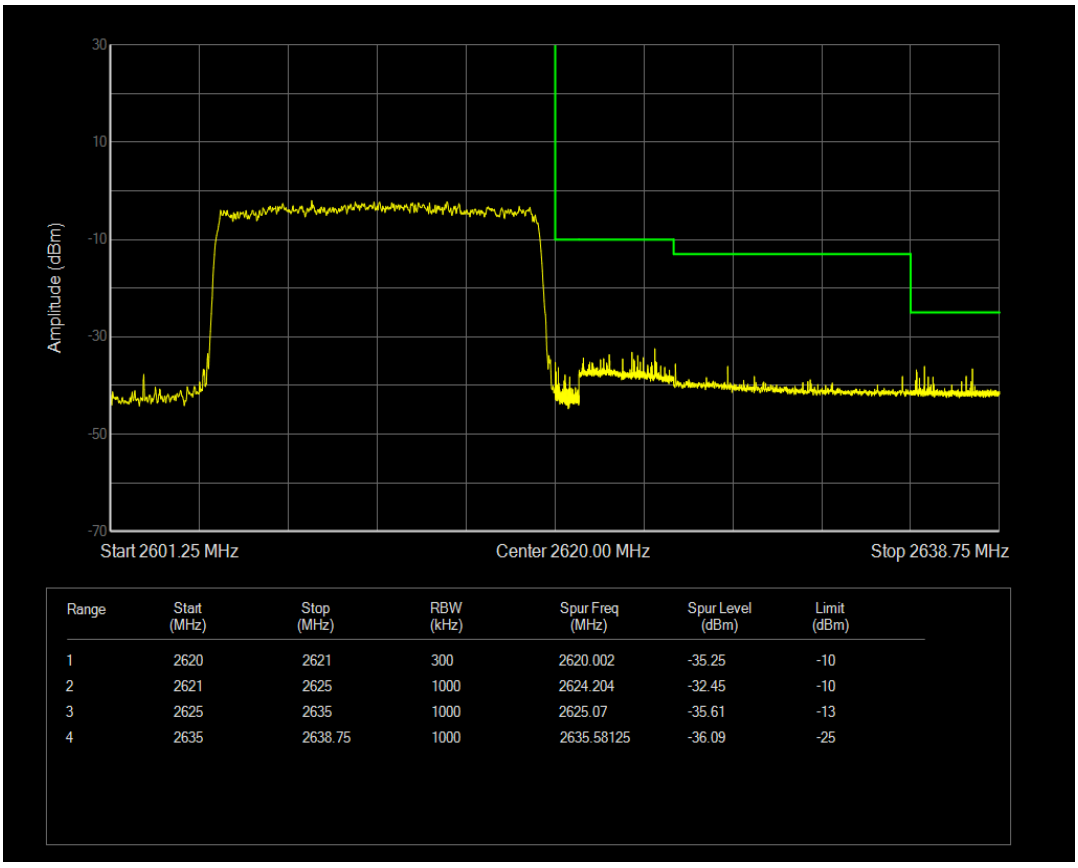
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2554.4975	-34.82	-25
2	2555	2565	1000	2563.85	-34.2	-13
3	2565	2569	1000	2566.564	-33.42	-10
4	2569	2570	300	2569.816	-35.73	-10

Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0



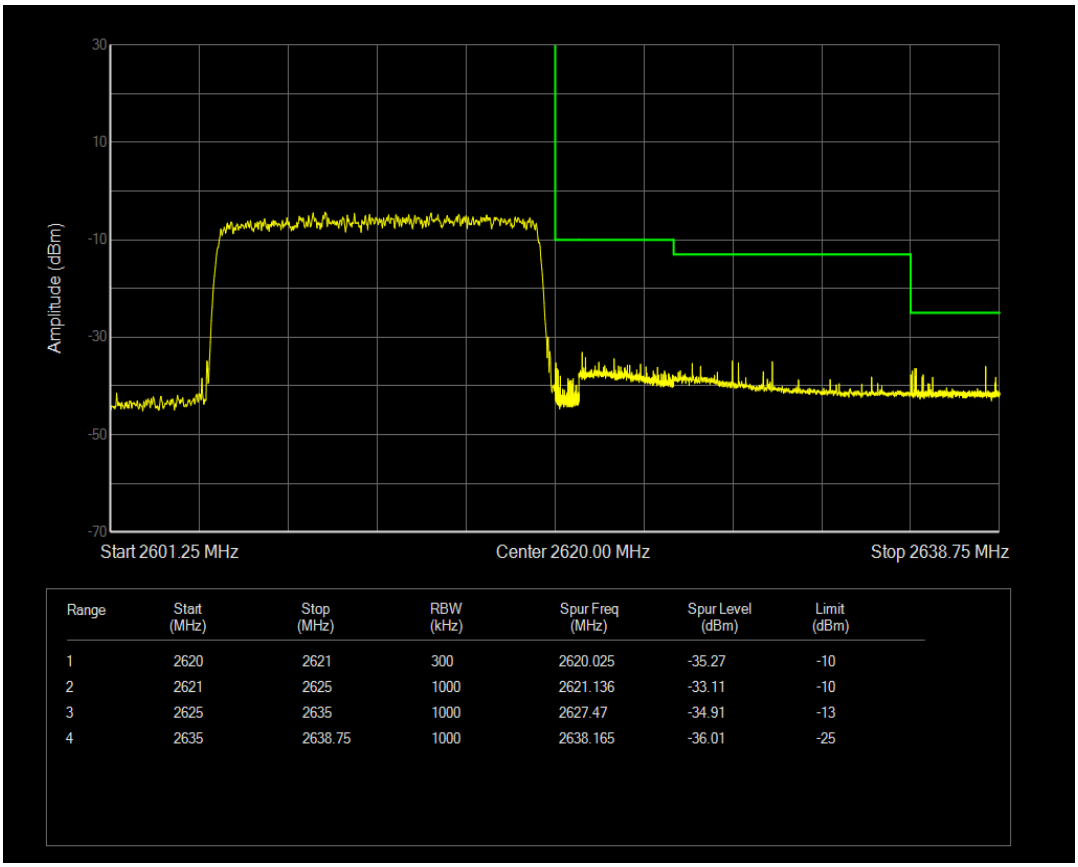
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2552.34875	-36.31	-25
2	2555	2565	1000	2564.15	-34.63	-13
3	2565	2569	1000	2568.788	-28.88	-10
4	2569	2570	300	2569.987	-33.42	-10

Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



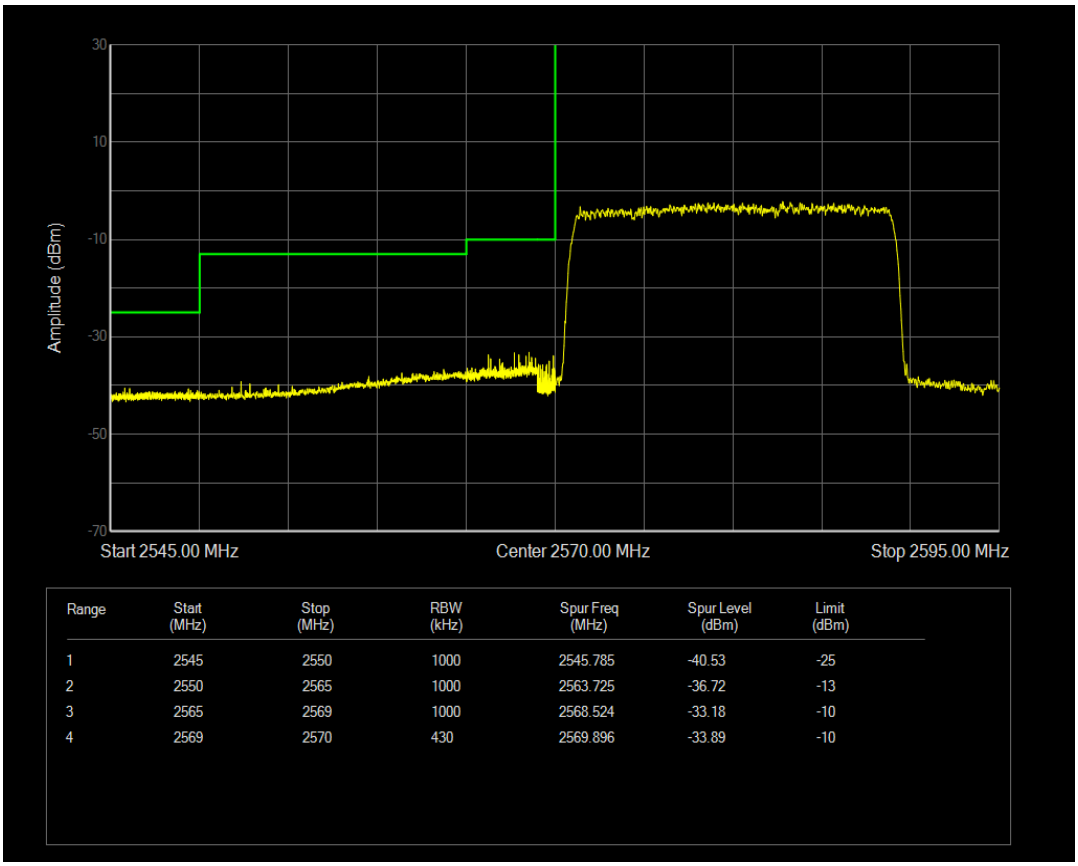
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	300	2620.002	-35.25	-10
2	2621	2625	1000	2624.204	-32.45	-10
3	2625	2635	1000	2625.07	-35.61	-13
4	2635	2638.75	1000	2635.58125	-36.09	-25

Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0



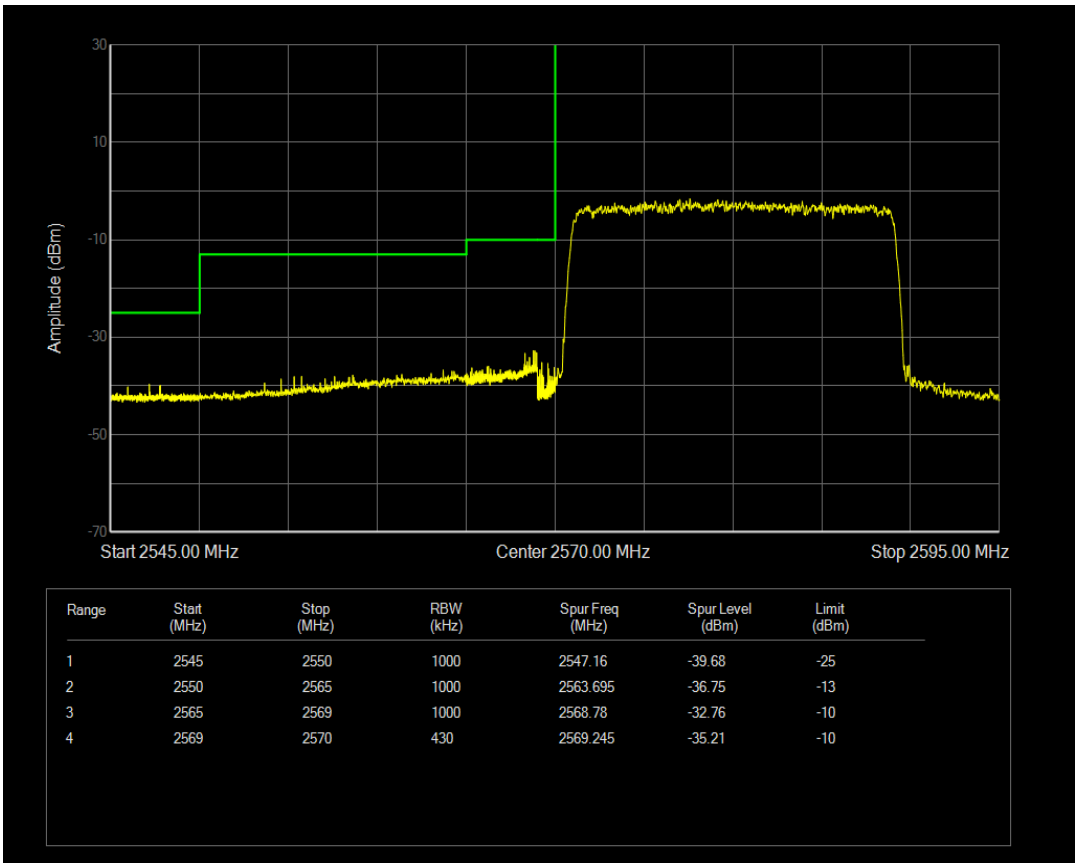
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	300	2620.025	-35.27	-10
2	2621	2625	1000	2621.136	-33.11	-10
3	2625	2635	1000	2627.47	-34.91	-13
4	2635	2638.75	1000	2638.165	-36.01	-25

Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0



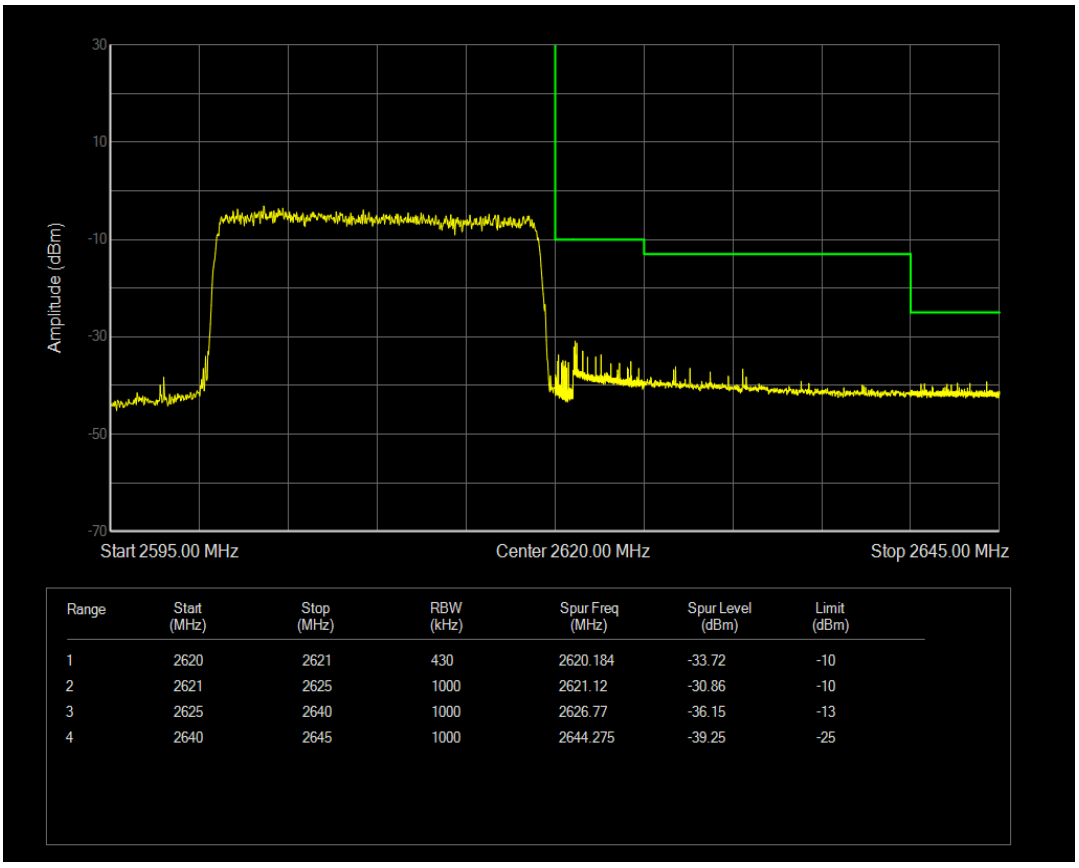
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2545.785	-40.53	-25
2	2550	2565	1000	2563.725	-36.72	-13
3	2565	2569	1000	2568.524	-33.18	-10
4	2569	2570	430	2569.896	-33.89	-10

Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



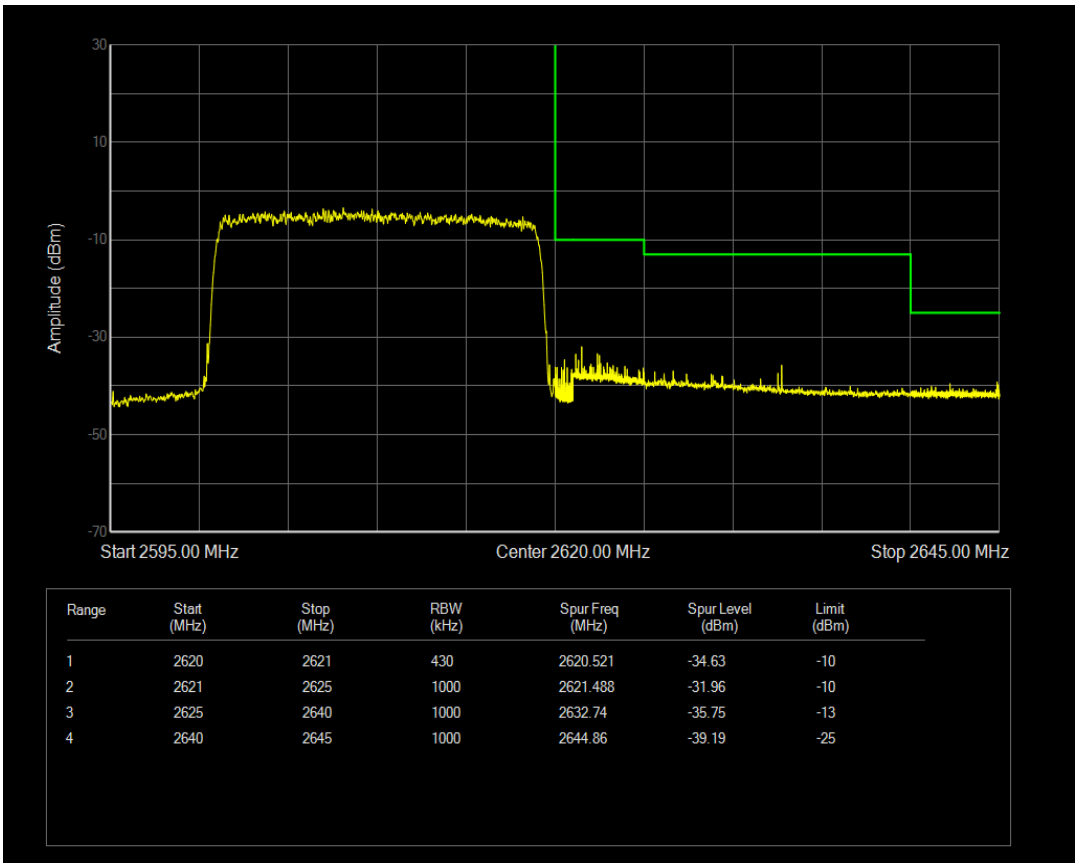
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2547.16	-39.68	-25
2	2550	2565	1000	2563.695	-36.75	-13
3	2565	2569	1000	2568.78	-32.76	-10
4	2569	2570	430	2569.245	-35.21	-10

Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	430	2620.184	-33.72	-10
2	2621	2625	1000	2621.12	-30.86	-10
3	2625	2640	1000	2626.77	-36.15	-13
4	2640	2645	1000	2644.275	-39.25	-25

Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	430	2620.521	-34.63	-10
2	2621	2625	1000	2621.488	-31.96	-10
3	2625	2640	1000	2632.74	-35.75	-13
4	2640	2645	1000	2644.86	-39.19	-25

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

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

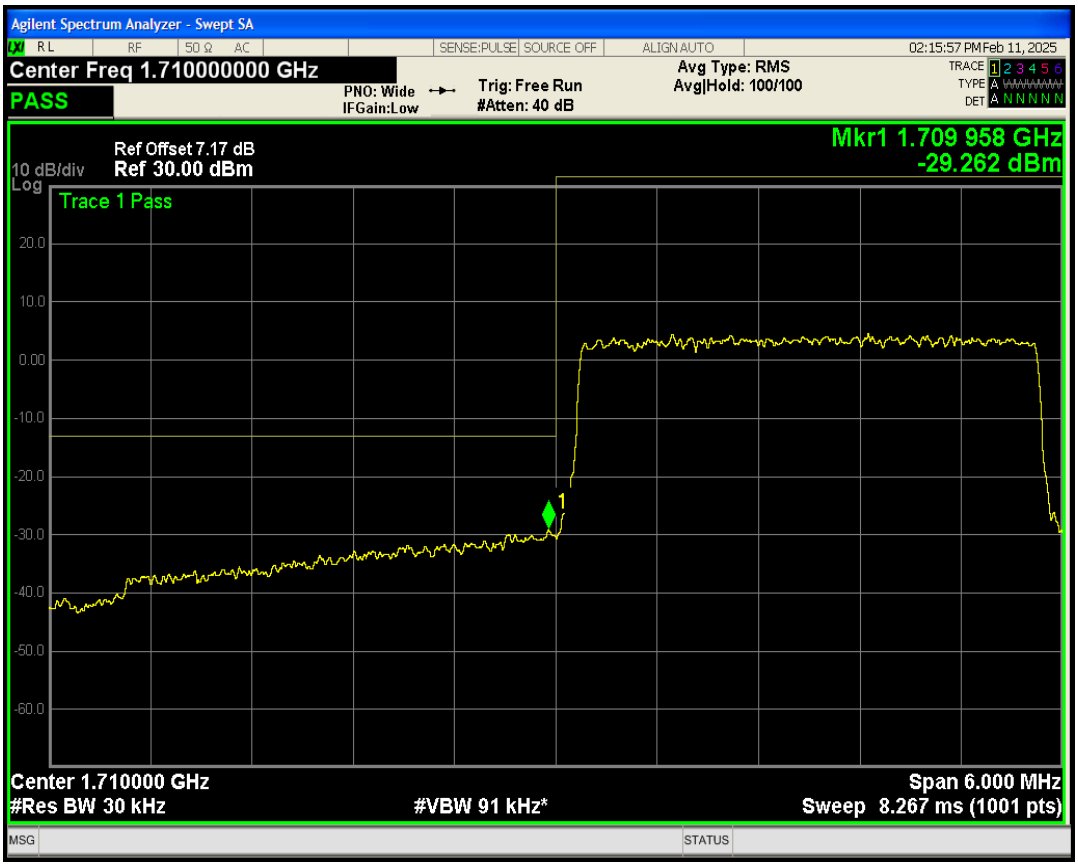
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

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

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

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

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



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