

Report

									9		
Band5	10	20450	50	#0	QAM16	NV	-10	-30.71	-0.03	±2.5	PASS
									7		
Band5	10	20450	50	#0	QAM16	NV	-20	-10.27	-0.01	±2.5	PASS
									2		
Band5	10	20450	50	#0	QAM16	NV	-30	-29.79	-0.03	±2.5	PASS
									6		
Band5	10	20525	50	#0	QPSK	VL	NT	-15.02	-0.01	±2.5	PASS
									8		
Band5	10	20525	50	#0	QPSK	VN	NT	-33.70	-0.04	±2.5	PASS
									0		
Band5	10	20525	50	#0	QPSK	VH	NT	-25.92	-0.03	±2.5	PASS
									1		
Band5	10	20525	50	#0	QPSK	NV	50	-8.18	-0.01	±2.5	PASS
									0		
Band5	10	20525	50	#0	QPSK	NV	40	-34.27	-0.04	±2.5	PASS
									1		
Band5	10	20525	50	#0	QPSK	NV	30	-26.14	-0.03	±2.5	PASS
									1		
Band5	10	20525	50	#0	QPSK	NV	20	-20.85	-0.02	±2.5	PASS
									5		
Band5	10	20525	50	#0	QPSK	NV	10	-24.74	-0.03	±2.5	PASS
									0		
Band5	10	20525	50	#0	QPSK	NV	0	-24.33	-0.02	±2.5	PASS
									9		
Band5	10	20525	50	#0	QPSK	NV	-10	-22.27	-0.02	±2.5	PASS
									7		
Band5	10	20525	50	#0	QPSK	NV	-20	-41.35	-0.04	±2.5	PASS
									9		
Band5	10	20525	50	#0	QPSK	NV	-30	-14.36	-0.01	±2.5	PASS
									7		
Band5	10	20525	50	#0	QAM16	VL	NT	-32.20	-0.03	±2.5	PASS
									8		
Band5	10	20525	50	#0	QAM16	VN	NT	-29.74	-0.03	±2.5	PASS
									6		
Band5	10	20525	50	#0	QAM16	VH	NT	-11.17	-0.01	±2.5	PASS
									3		
Band5	10	20525	50	#0	QAM16	NV	50	-24.61	-0.02	±2.5	PASS
									9		
Band5	10	20525	50	#0	QAM16	NV	40	-40.89	-0.04	±2.5	PASS
									9		
Band5	10	20525	50	#0	QAM16	NV	30	-9.04	-0.01	±2.5	PASS
									1		
Band5	10	20525	50	#0	QAM16	NV	20	-16.86	-0.02	±2.5	PASS

Report

									0		
Band5	10	20525	50	#0	QAM16	NV	10	-26.45	-0.03	±2.5	PASS
									2		
Band5	10	20525	50	#0	QAM16	NV	0	-35.09	-0.04	±2.5	PASS
									2		
Band5	10	20525	50	#0	QAM16	NV	-10	-37.79	-0.04	±2.5	PASS
									5		
Band5	10	20525	50	#0	QAM16	NV	-20	-9.39	-0.01	±2.5	PASS
									1		
Band5	10	20525	50	#0	QAM16	NV	-30	-18.45	-0.02	±2.5	PASS
									2		
Band5	10	20600	50	#0	QPSK	VL	NT	0.15	0.000	±2.5	PASS
Band5	10	20600	50	#0	QPSK	VN	NT	-5.39	-0.00	±2.5	PASS
									6		
Band5	10	20600	50	#0	QPSK	VH	NT	-7.83	-0.00	±2.5	PASS
									9		
Band5	10	20600	50	#0	QPSK	NV	50	-9.59	-0.01	±2.5	PASS
									1		
Band5	10	20600	50	#0	QPSK	NV	40	-13.03	-0.01	±2.5	PASS
									5		
Band5	10	20600	50	#0	QPSK	NV	30	-18.29	-0.02	±2.5	PASS
									2		
Band5	10	20600	50	#0	QPSK	NV	20	-21.85	-0.02	±2.5	PASS
									6		
Band5	10	20600	50	#0	QPSK	NV	10	-24.91	-0.03	±2.5	PASS
									0		
Band5	10	20600	50	#0	QPSK	NV	0	-26.27	-0.03	±2.5	PASS
									1		
Band5	10	20600	50	#0	QPSK	NV	-10	-27.26	-0.03	±2.5	PASS
									2		
Band5	10	20600	50	#0	QPSK	NV	-20	-28.98	-0.03	±2.5	PASS
									4		
Band5	10	20600	50	#0	QPSK	NV	-30	-29.51	-0.03	±2.5	PASS
									5		
Band5	10	20600	50	#0	QAM16	VL	NT	-30.97	-0.03	±2.5	PASS
									7		
Band5	10	20600	50	#0	QAM16	VN	NT	-30.57	-0.03	±2.5	PASS
									6		
Band5	10	20600	50	#0	QAM16	VH	NT	-31.48	-0.03	±2.5	PASS
									7		
Band5	10	20600	50	#0	QAM16	NV	50	-31.92	-0.03	±2.5	PASS
									8		
Band5	10	20600	50	#0	QAM16	NV	40	-33.54	-0.04	±2.5	PASS
									0		

## Report

Band5	10	20600	50	#0	QAM16	NV	30	-33.53	-0.04 0	±2.5	PASS
Band5	10	20600	50	#0	QAM16	NV	20	-34.20	-0.04 1	±2.5	PASS
Band5	10	20600	50	#0	QAM16	NV	10	-34.28	-0.04 1	±2.5	PASS
Band5	10	20600	50	#0	QAM16	NV	0	-33.33	-0.03 9	±2.5	PASS
Band5	10	20600	50	#0	QAM16	NV	-10	-33.57	-0.04 0	±2.5	PASS
Band5	10	20600	50	#0	QAM16	NV	-20	-34.28	-0.04 1	±2.5	PASS
Band5	10	20600	50	#0	QAM16	NV	-30	-35.14	-0.04 2	±2.5	PASS
Band7	20	20850	100	#0	QPSK	VL	NT	-13.06	-0.00 5	±2.5	PASS
Band7	20	20850	100	#0	QPSK	VN	NT	-13.86	-0.00 6	±2.5	PASS
Band7	20	20850	100	#0	QPSK	VH	NT	-16.40	-0.00 7	±2.5	PASS
Band7	20	20850	100	#0	QPSK	NV	50	-14.06	-0.00 6	±2.5	PASS
Band7	20	20850	100	#0	QPSK	NV	40	-15.17	-0.00 6	±2.5	PASS
Band7	20	20850	100	#0	QPSK	NV	30	-36.34	-0.01 4	±2.5	PASS
Band7	20	20850	100	#0	QPSK	NV	20	-42.15	-0.01 7	±2.5	PASS
Band7	20	20850	100	#0	QPSK	NV	10	-20.82	-0.00 8	±2.5	PASS
Band7	20	20850	100	#0	QPSK	NV	0	-38.36	-0.01 5	±2.5	PASS
Band7	20	20850	100	#0	QPSK	NV	-10	-18.28	-0.00 7	±2.5	PASS
Band7	20	20850	100	#0	QPSK	NV	-20	-38.02	-0.01 5	±2.5	PASS
Band7	20	20850	100	#0	QPSK	NV	-30	14.61	0.006	±2.5	PASS
Band7	20	20850	100	#0	QAM16	VL	NT	-2.71	-0.00 1	±2.5	PASS
Band7	20	20850	100	#0	QAM16	VN	NT	-14.77	-0.00 6	±2.5	PASS
Band7	20	20850	100	#0	QAM16	VH	NT	-22.65	-0.00 9	±2.5	PASS
Band7	20	20850	100	#0	QAM16	NV	50	-28.86	-0.01	±2.5	PASS

Report

									1		
Band7	20	20850	100	#0	QAM16	NV	40	-29.66	-0.01	±2.5	PASS
									2		
Band7	20	20850	100	#0	QAM16	NV	30	-35.41	-0.01	±2.5	PASS
									4		
Band7	20	20850	100	#0	QAM16	NV	20	-26.59	-0.01	±2.5	PASS
									1		
Band7	20	20850	100	#0	QAM16	NV	10	-4.83	-0.00	±2.5	PASS
									2		
Band7	20	20850	100	#0	QAM16	NV	0	-12.96	-0.00	±2.5	PASS
									5		
Band7	20	20850	100	#0	QAM16	NV	-10	-27.55	-0.01	±2.5	PASS
									1		
Band7	20	20850	100	#0	QAM16	NV	-20	-36.39	-0.01	±2.5	PASS
									4		
Band7	20	20850	100	#0	QAM16	NV	-30	-5.96	-0.00	±2.5	PASS
									2		
Band7	20	21100	100	#0	QPSK	VL	NT	-10.52	-0.00	±2.5	PASS
									4		
Band7	20	21100	100	#0	QPSK	VN	NT	-17.66	-0.00	±2.5	PASS
									7		
Band7	20	21100	100	#0	QPSK	VH	NT	-28.58	-0.01	±2.5	PASS
									1		
Band7	20	21100	100	#0	QPSK	NV	50	-28.02	-0.01	±2.5	PASS
									1		
Band7	20	21100	100	#0	QPSK	NV	40	-21.72	-0.00	±2.5	PASS
									9		
Band7	20	21100	100	#0	QPSK	NV	30	-13.77	-0.00	±2.5	PASS
									5		
Band7	20	21100	100	#0	QPSK	NV	20	-8.91	-0.00	±2.5	PASS
									4		
Band7	20	21100	100	#0	QPSK	NV	10	6.49	0.003	±2.5	PASS
Band7	20	21100	100	#0	QPSK	NV	0	18.38	0.007	±2.5	PASS
Band7	20	21100	100	#0	QPSK	NV	-10	30.48	0.012	±2.5	PASS
Band7	20	21100	100	#0	QPSK	NV	-20	43.50	0.017	±2.5	PASS
Band7	20	21100	100	#0	QPSK	NV	-30	12.35	0.005	±2.5	PASS
Band7	20	21100	100	#0	QAM16	VL	NT	24.16	0.010	±2.5	PASS
Band7	20	21100	100	#0	QAM16	VN	NT	20.05	0.008	±2.5	PASS
Band7	20	21100	100	#0	QAM16	VH	NT	15.85	0.006	±2.5	PASS
Band7	20	21100	100	#0	QAM16	NV	50	35.77	0.014	±2.5	PASS
Band7	20	21100	100	#0	QAM16	NV	40	34.77	0.014	±2.5	PASS
Band7	20	21100	100	#0	QAM16	NV	30	12.93	0.005	±2.5	PASS
Band7	20	21100	100	#0	QAM16	NV	20	26.96	0.011	±2.5	PASS
Band7	20	21100	100	#0	QAM16	NV	10	46.36	0.018	±2.5	PASS

Report

Band7	20	21100	100	#0	QAM16	NV	0	0.47	0.000	±2.5	PASS
Band7	20	21100	100	#0	QAM16	NV	-10	6.98	0.003	±2.5	PASS
Band7	20	21100	100	#0	QAM16	NV	-20	17.63	0.007	±2.5	PASS
Band7	20	21100	100	#0	QAM16	NV	-30	31.62	0.012	±2.5	PASS
Band7	20	21350	100	#0	QPSK	VL	NT	-4.82	-0.00 2	±2.5	PASS
Band7	20	21350	100	#0	QPSK	VN	NT	2.54	0.001	±2.5	PASS
Band7	20	21350	100	#0	QPSK	VH	NT	6.40	0.003	±2.5	PASS
Band7	20	21350	100	#0	QPSK	NV	50	10.04	0.004	±2.5	PASS
Band7	20	21350	100	#0	QPSK	NV	40	12.11	0.005	±2.5	PASS
Band7	20	21350	100	#0	QPSK	NV	30	12.57	0.005	±2.5	PASS
Band7	20	21350	100	#0	QPSK	NV	20	12.98	0.005	±2.5	PASS
Band7	20	21350	100	#0	QPSK	NV	10	15.79	0.006	±2.5	PASS
Band7	20	21350	100	#0	QPSK	NV	0	13.84	0.005	±2.5	PASS
Band7	20	21350	100	#0	QPSK	NV	-10	13.99	0.005	±2.5	PASS
Band7	20	21350	100	#0	QPSK	NV	-20	21.92	0.009	±2.5	PASS
Band7	20	21350	100	#0	QPSK	NV	-30	24.17	0.009	±2.5	PASS
Band7	20	21350	100	#0	QAM16	VL	NT	20.98	0.008	±2.5	PASS
Band7	20	21350	100	#0	QAM16	VN	NT	18.82	0.007	±2.5	PASS
Band7	20	21350	100	#0	QAM16	VH	NT	22.27	0.009	±2.5	PASS
Band7	20	21350	100	#0	QAM16	NV	50	24.17	0.009	±2.5	PASS
Band7	20	21350	100	#0	QAM16	NV	40	8.85	0.003	±2.5	PASS
Band7	20	21350	100	#0	QAM16	NV	30	13.97	0.005	±2.5	PASS
Band7	20	21350	100	#0	QAM16	NV	20	18.29	0.007	±2.5	PASS
Band7	20	21350	100	#0	QAM16	NV	10	20.44	0.008	±2.5	PASS
Band7	20	21350	100	#0	QAM16	NV	0	19.74	0.008	±2.5	PASS
Band7	20	21350	100	#0	QAM16	NV	-10	20.81	0.008	±2.5	PASS
Band7	20	21350	100	#0	QAM16	NV	-20	23.10	0.009	±2.5	PASS
Band7	20	21350	100	#0	QAM16	NV	-30	20.21	0.008	±2.5	PASS

Appendix B:

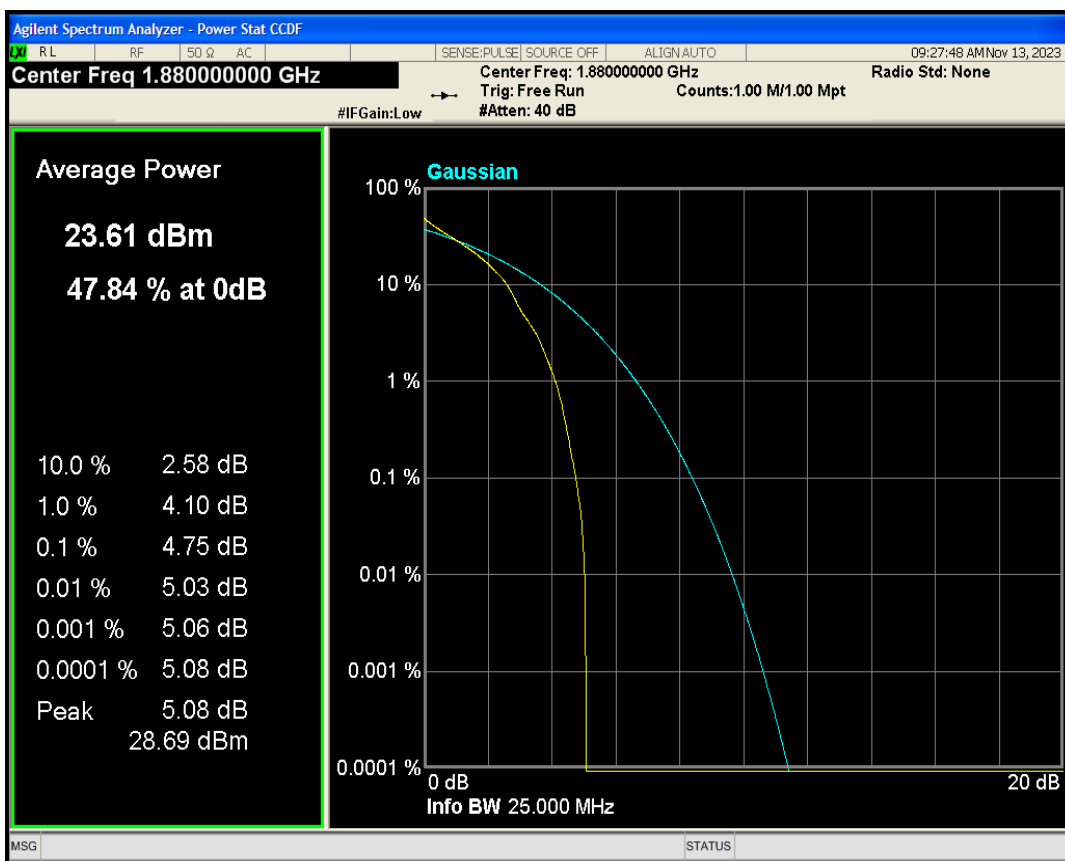
**3 Peak-to-Average Ratio**

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band2	1.4	18900	1	#0	QPSK	4.75	13	PASS
Band2	1.4	18900	1	#0	QAM16	5.43	13	PASS
Band2	3	18900	1	#0	QPSK	4.91	13	PASS
Band2	3	18900	1	#0	QAM16	5.94	13	PASS
Band2	5	18900	1	#0	QPSK	5.18	13	PASS
Band2	5	18900	1	#0	QAM16	5.95	13	PASS
Band2	10	18900	1	#0	QPSK	5.09	13	PASS
Band2	10	18900	1	#0	QAM16	6.06	13	PASS
Band2	15	18900	1	#0	QPSK	4.93	13	PASS
Band2	15	18900	1	#0	QAM16	6.02	13	PASS

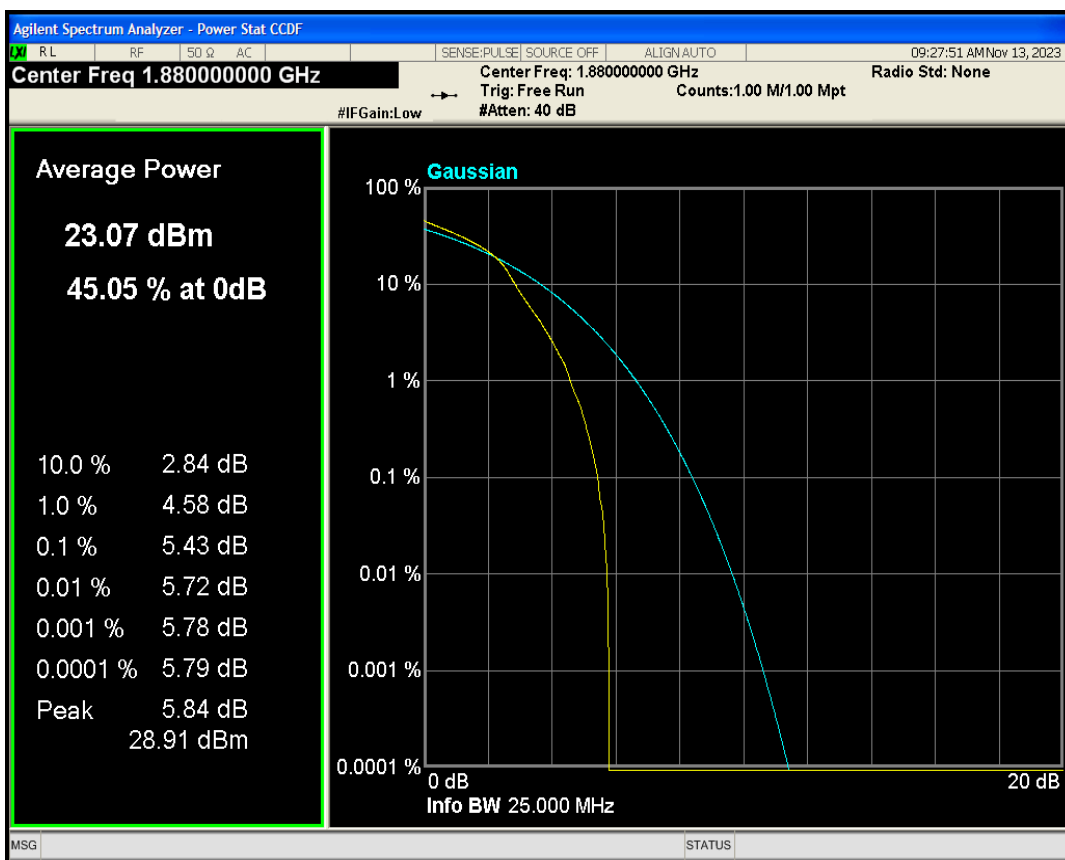
Report

Band2	20	18900	1	#0	QPSK	4.61	13	PASS
Band2	20	18900	1	#0	QAM16	5.37	13	PASS
Band38	5	38000	1	#0	QPSK	8.81	13	PASS
Band38	5	38000	1	#0	QAM16	9.82	13	PASS
Band38	10	38000	1	#0	QPSK	9.34	13	PASS
Band38	10	38000	1	#0	QAM16	8.82	13	PASS
Band38	15	38000	1	#0	QPSK	8.91	13	PASS
Band38	15	38000	1	#0	QAM16	10.19	13	PASS
Band38	20	38000	1	#0	QPSK	8.08	13	PASS
Band38	20	38000	1	#0	QAM16	9.49	13	PASS
Band40a	5	38750	1	#0	QPSK	8.75	13	PASS
Band40a	5	38750	1	#0	QAM16	9.98	13	PASS
Band40a	10	38750	1	#0	QPSK	8.97	13	PASS
Band40a	10	38750	1	#0	QAM16	9.10	13	PASS
Band41(2555-2655)	5	40740	1	#0	QPSK	7.95	13	PASS
Band41(2555-2655)	5	40740	1	#0	QAM16	9.05	13	PASS
Band41(2555-2655)	10	40740	1	#0	QPSK	8.23	13	PASS
Band41(2555-2655)	10	40740	1	#0	QAM16	11.13	13	PASS
Band41(2555-2655)	15	40740	1	#0	QPSK	7.77	13	PASS
Band41(2555-2655)	15	40740	1	#0	QAM16	9.66	13	PASS
Band41(2555-2655)	20	40740	1	#0	QPSK	7.51	13	PASS
Band41(2555-2655)	20	40740	1	#0	QAM16	10.22	13	PASS
Band5	1.4	20525	1	#0	QPSK	5.79	13	PASS
Band5	1.4	20525	1	#0	QAM16	6.50	13	PASS
Band5	3	20525	1	#0	QPSK	5.56	13	PASS
Band5	3	20525	1	#0	QAM16	6.09	13	PASS
Band5	5	20525	1	#0	QPSK	6.12	13	PASS
Band5	5	20525	1	#0	QAM16	6.34	13	PASS
Band5	10	20525	1	#0	QPSK	5.88	13	PASS
Band5	10	20525	1	#0	QAM16	6.60	13	PASS
Band7	5	21100	1	#0	QPSK	5.74	13	PASS
Band7	5	21100	1	#0	QAM16	6.40	13	PASS
Band7	10	21100	1	#0	QPSK	5.37	13	PASS
Band7	10	21100	1	#0	QAM16	6.33	13	PASS
Band7	15	21100	1	#0	QPSK	5.06	13	PASS
Band7	15	21100	1	#0	QAM16	6.07	13	PASS
Band7	20	21100	1	#0	QPSK	4.56	13	PASS
Band7	20	21100	1	#0	QAM16	5.62	13	PASS

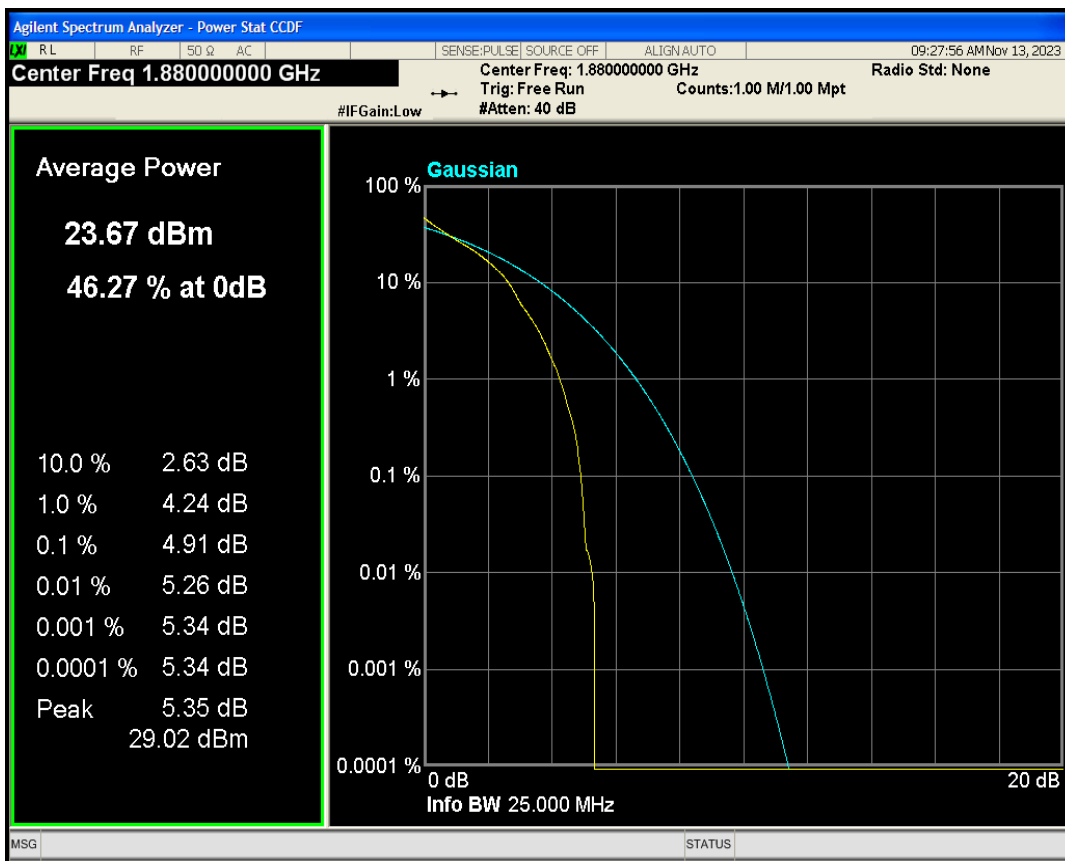
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



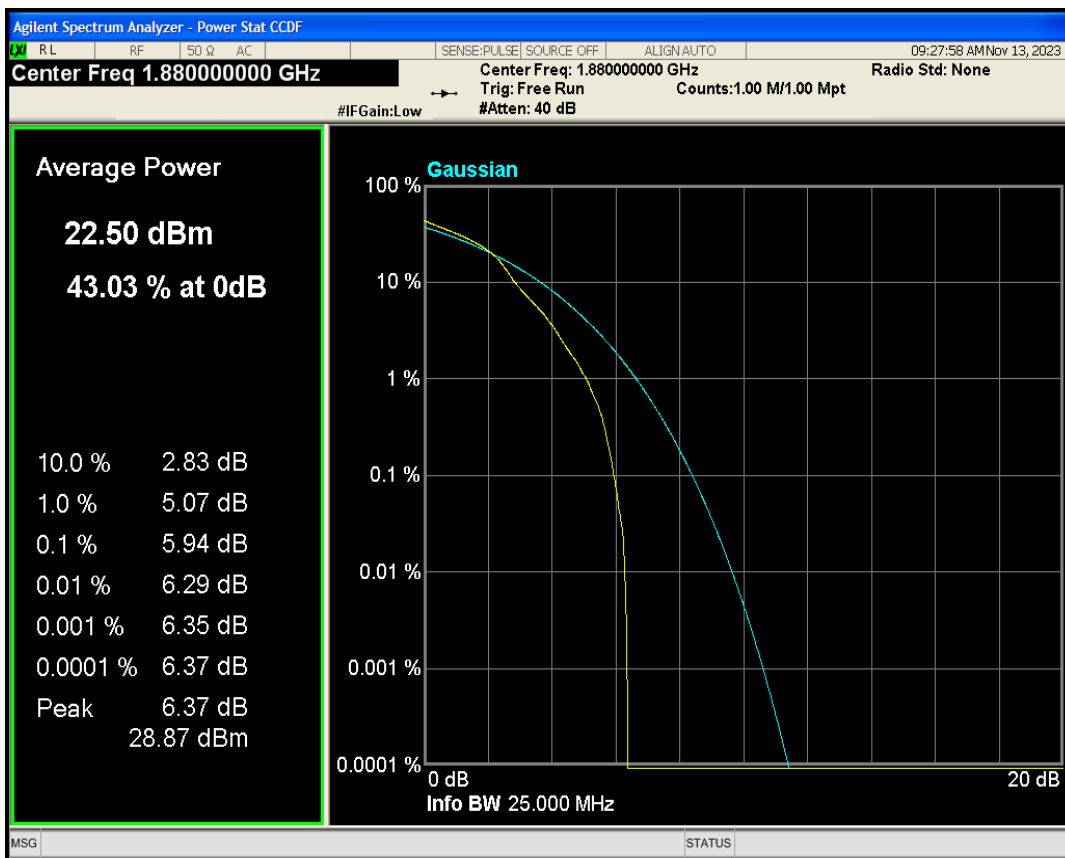
Band2 QAM16 BW=1.4MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0

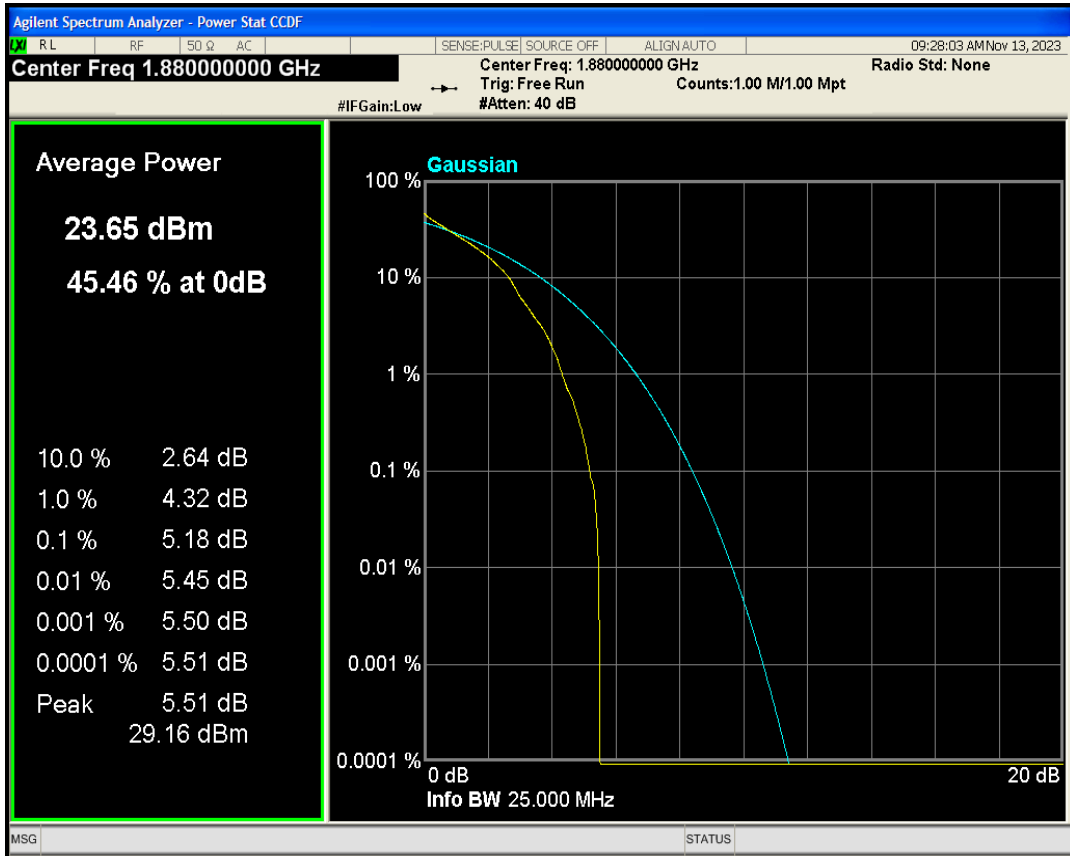


Band2 QAM16 BW=3MHz Channel=18900 RB Size=1 Position=#0

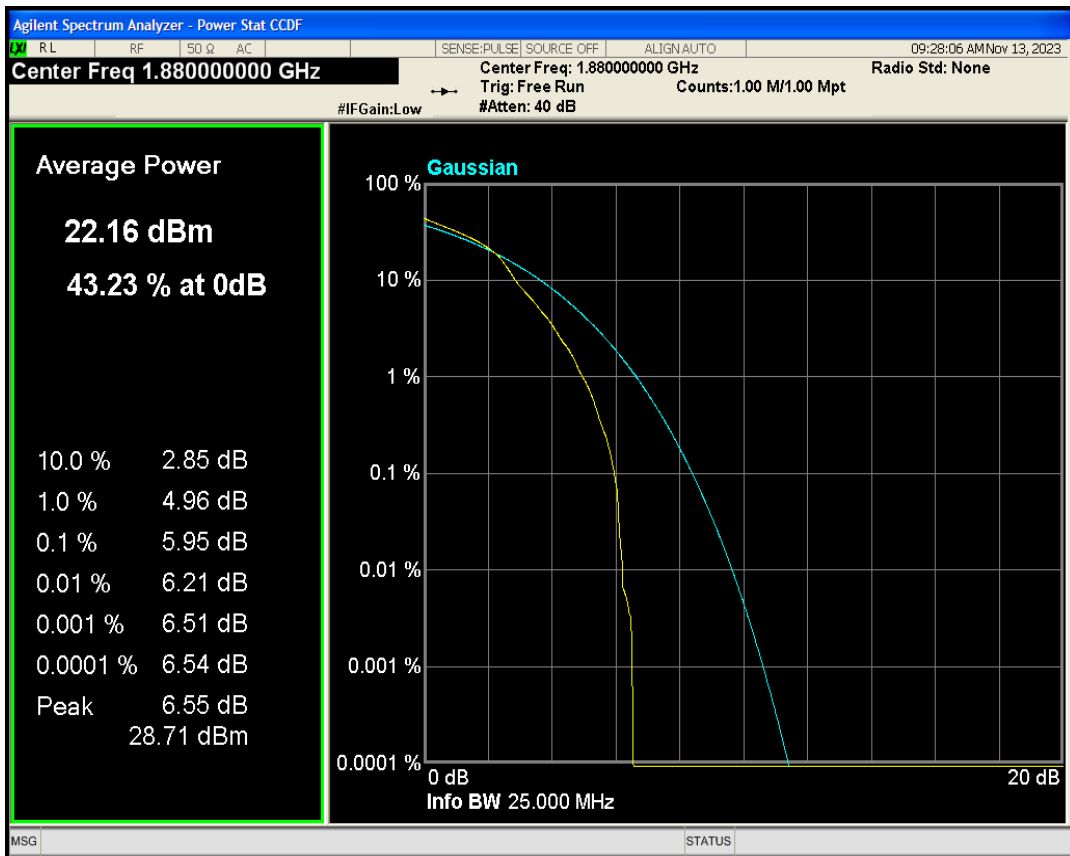


Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0

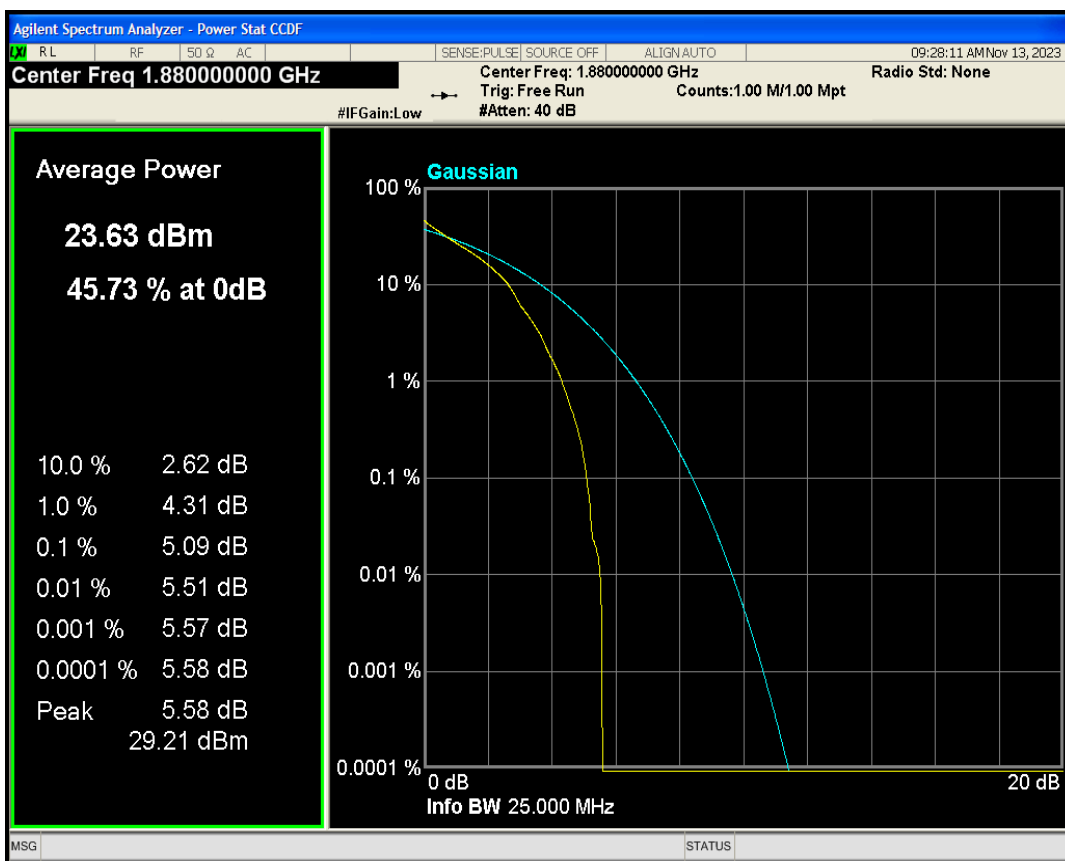




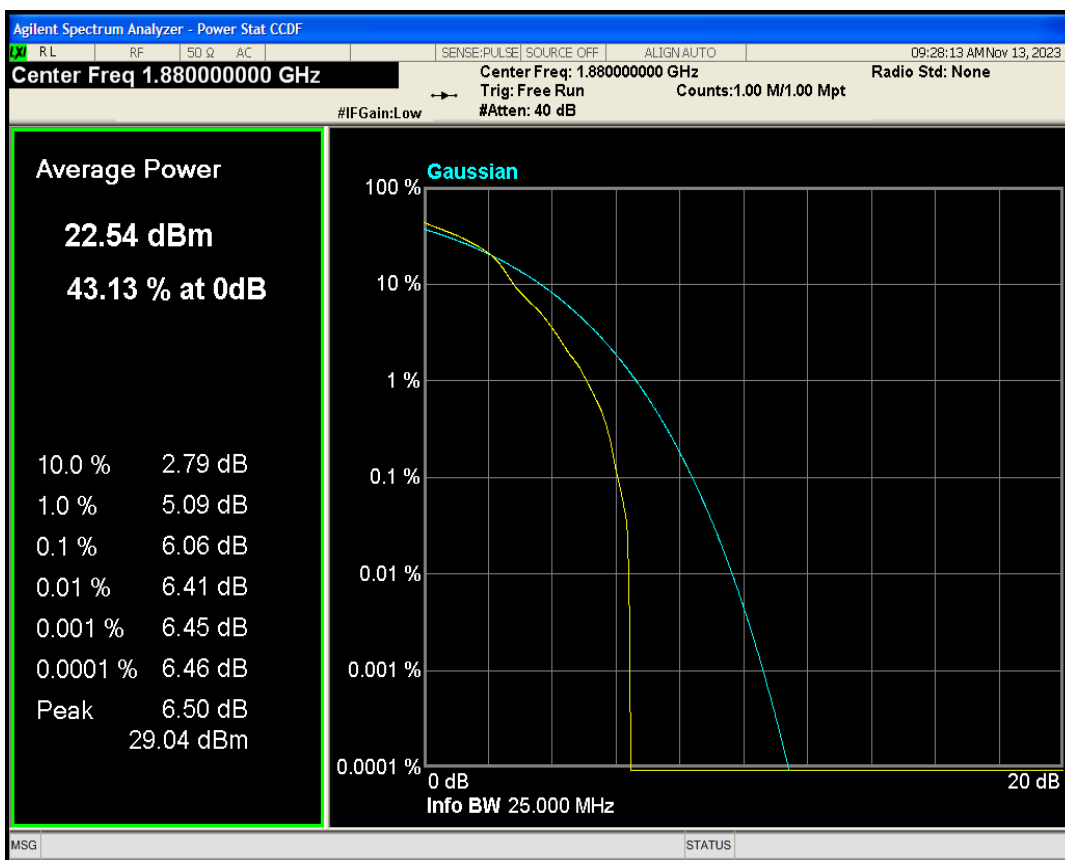
Band2 QAM16 BW=5MHz Channel=18900 RB Size=1 Position=#0



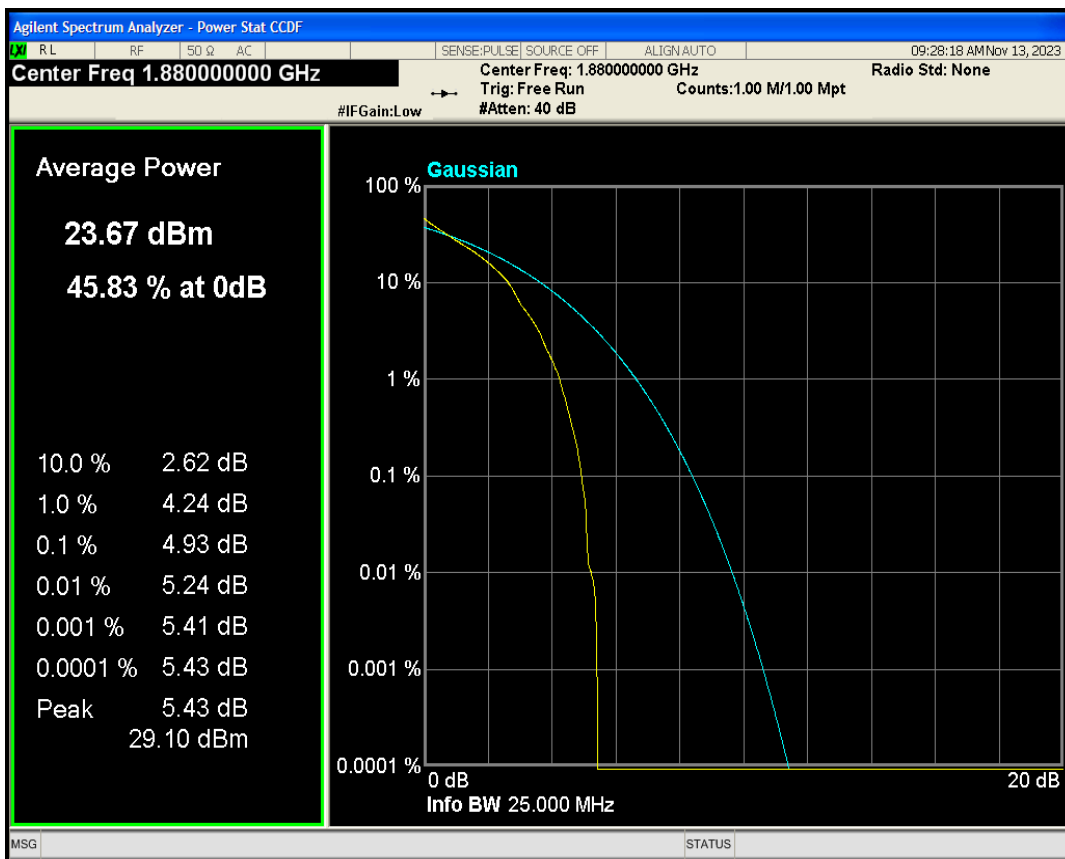
Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0



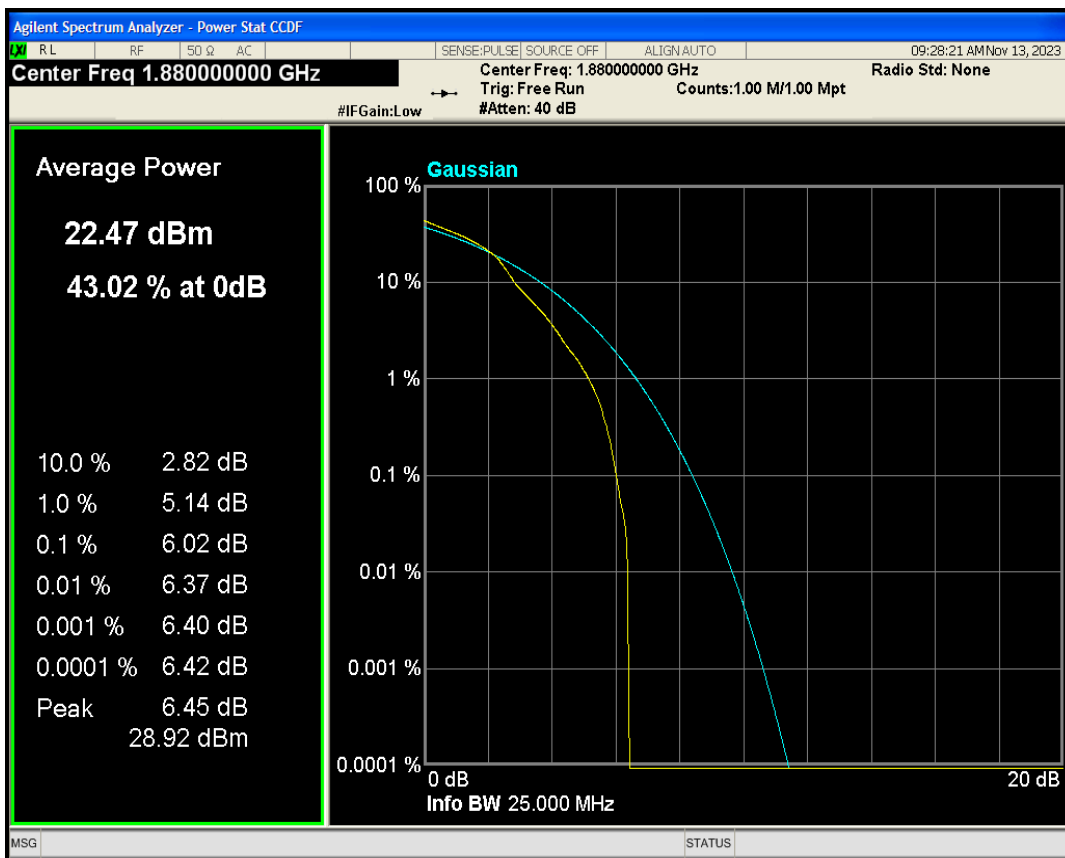
Band2 QAM16 BW=10MHz Channel=18900 RB Size=1 Position=#0



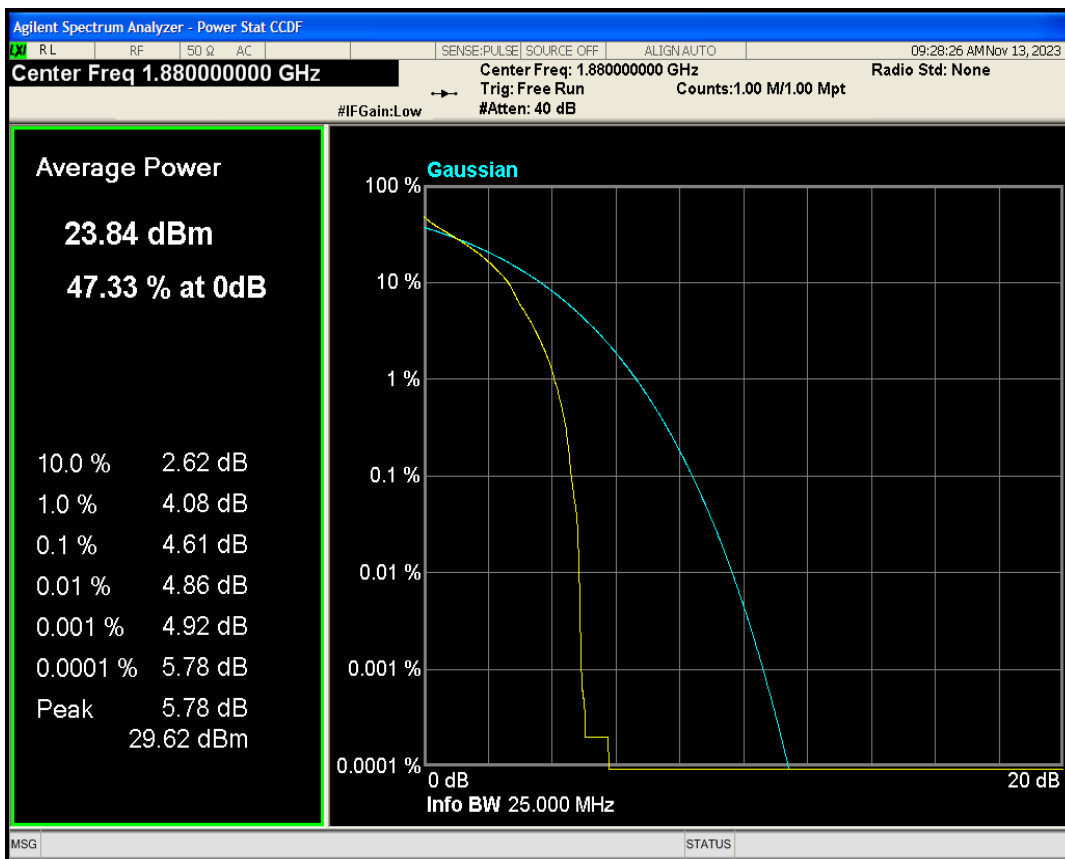
Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0



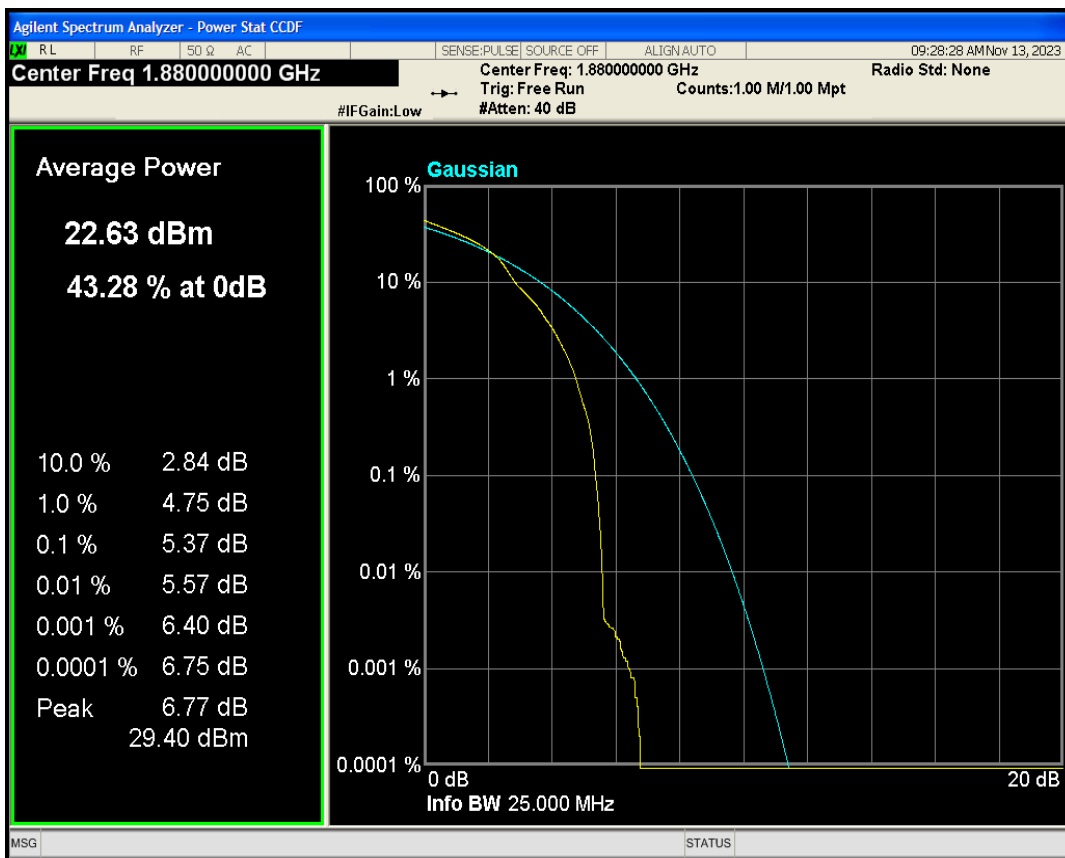
Band2 QAM16 BW=15MHz Channel=18900 RB Size=1 Position=#0



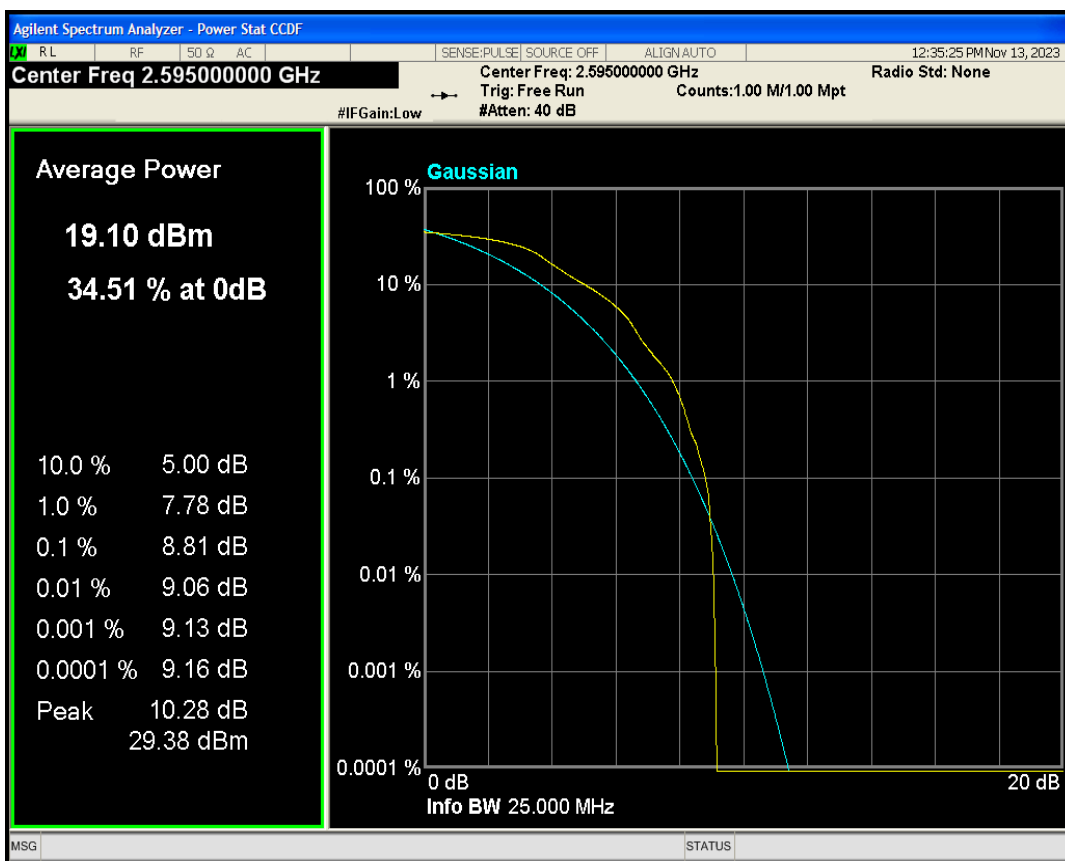
Band2 QPSK BW=20MHz Channel=18900 RB Size=1 Position=#0



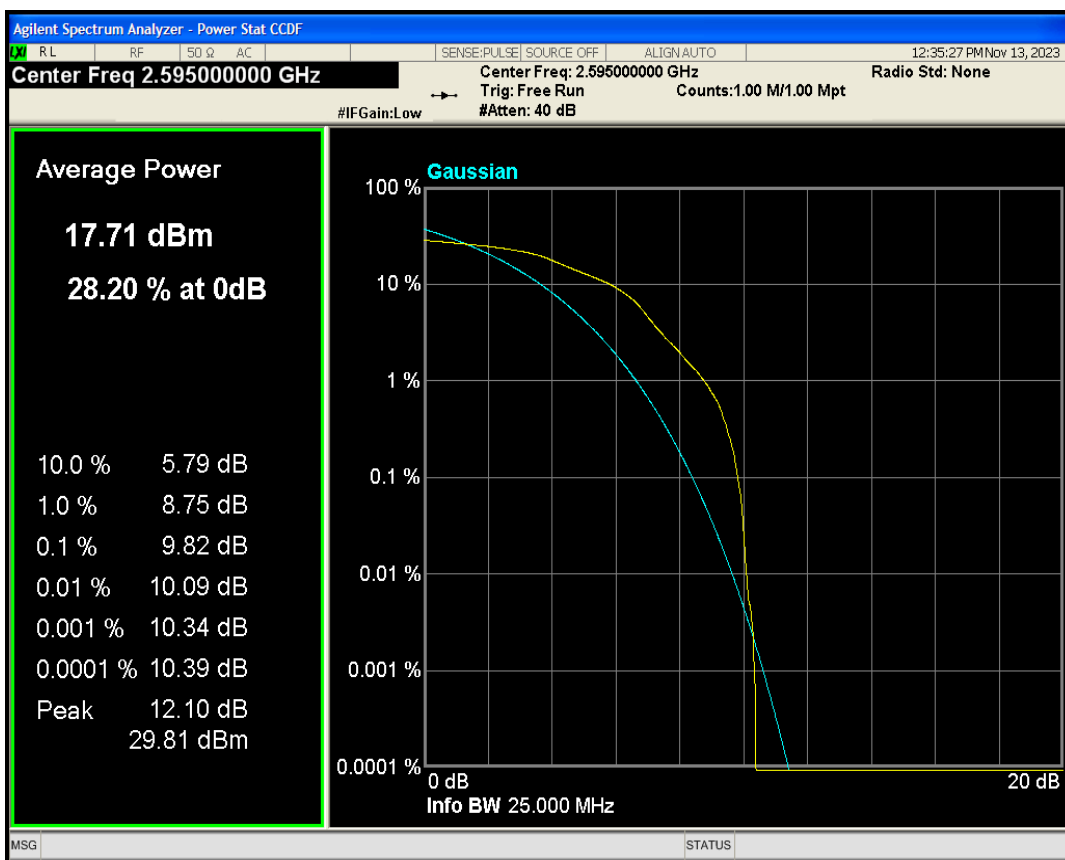
Band2 QAM16 BW=20MHz Channel=18900 RB Size=1 Position=#0



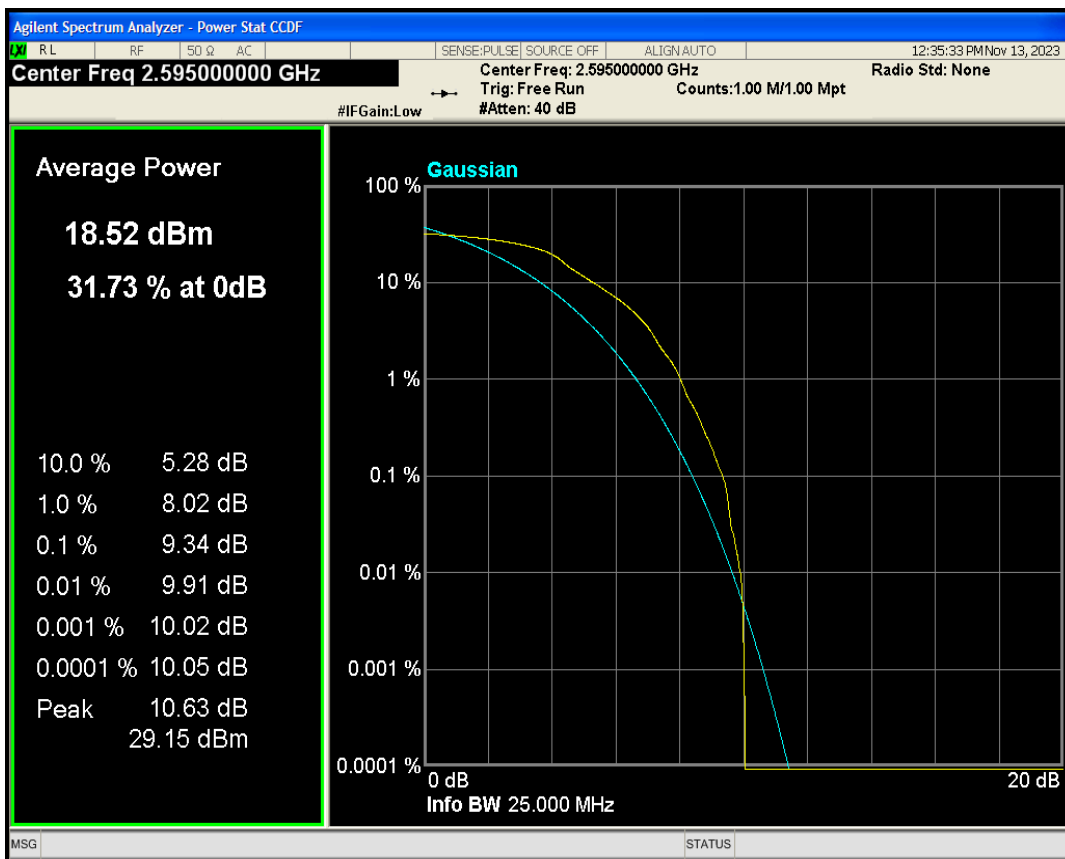
Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0



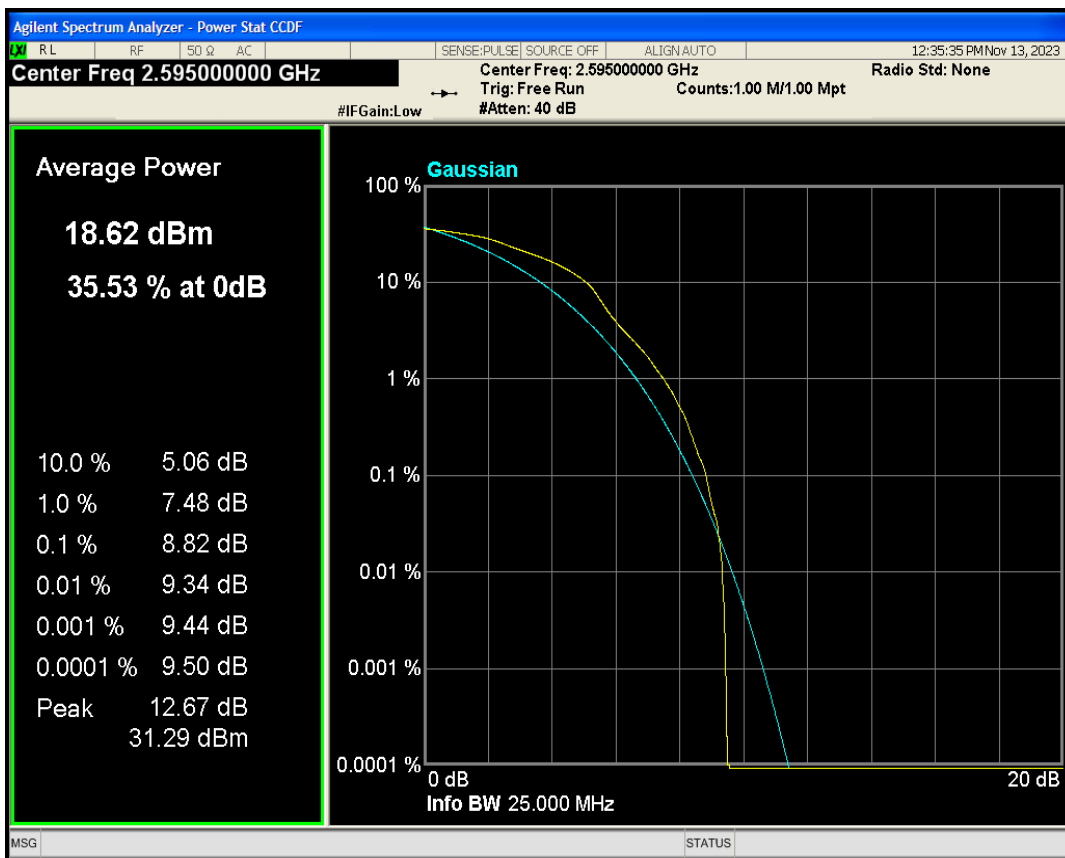
Band38 QAM16 BW=5MHz Channel=38000 RB Size=1 Position=#0



Band38 QPSK BW=10MHz Channel=38000 RB Size=1 Position=#0



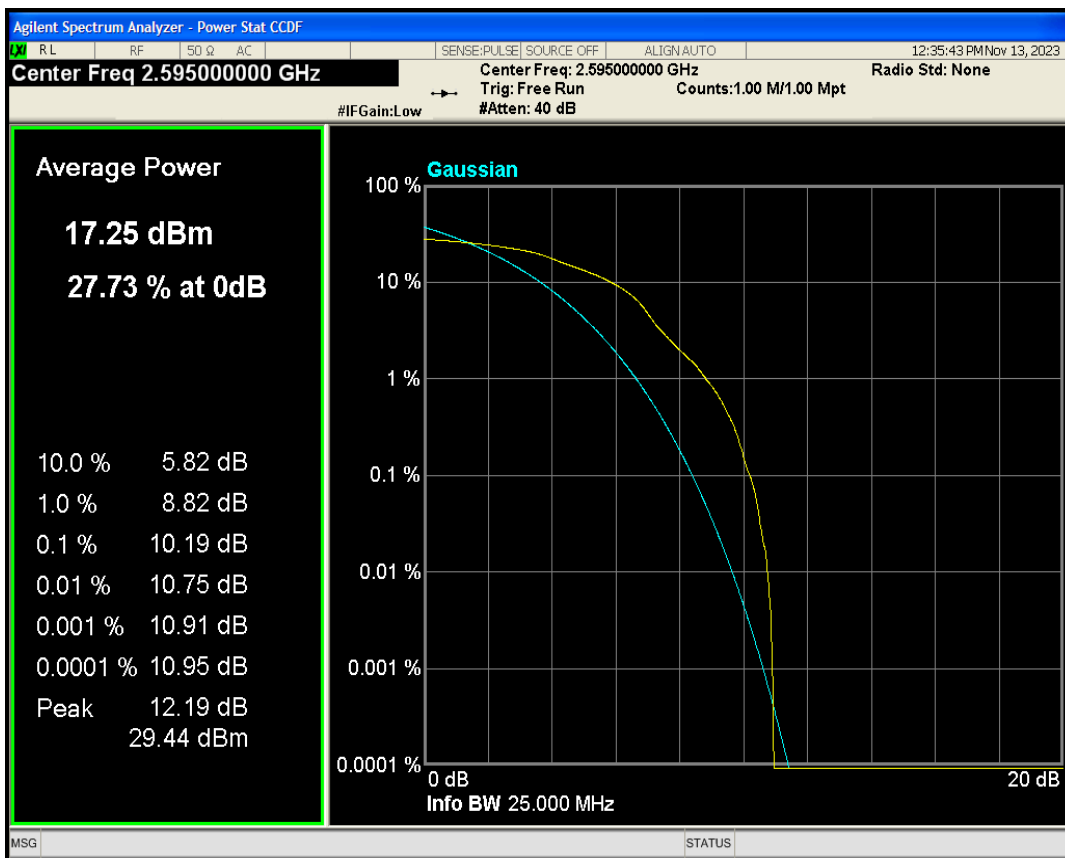
Band38 QAM16 BW=10MHz Channel=38000 RB Size=1 Position=#0



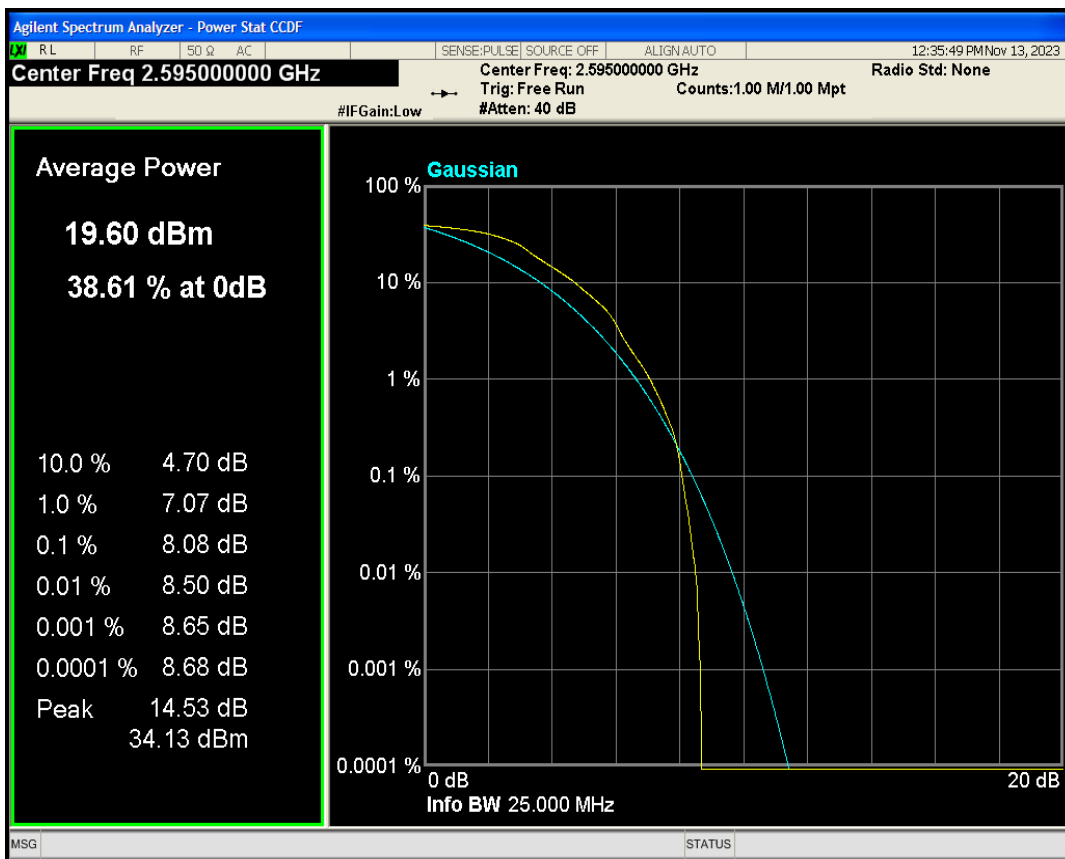
Band38 QPSK BW=15MHz Channel=38000 RB Size=1 Position=#0



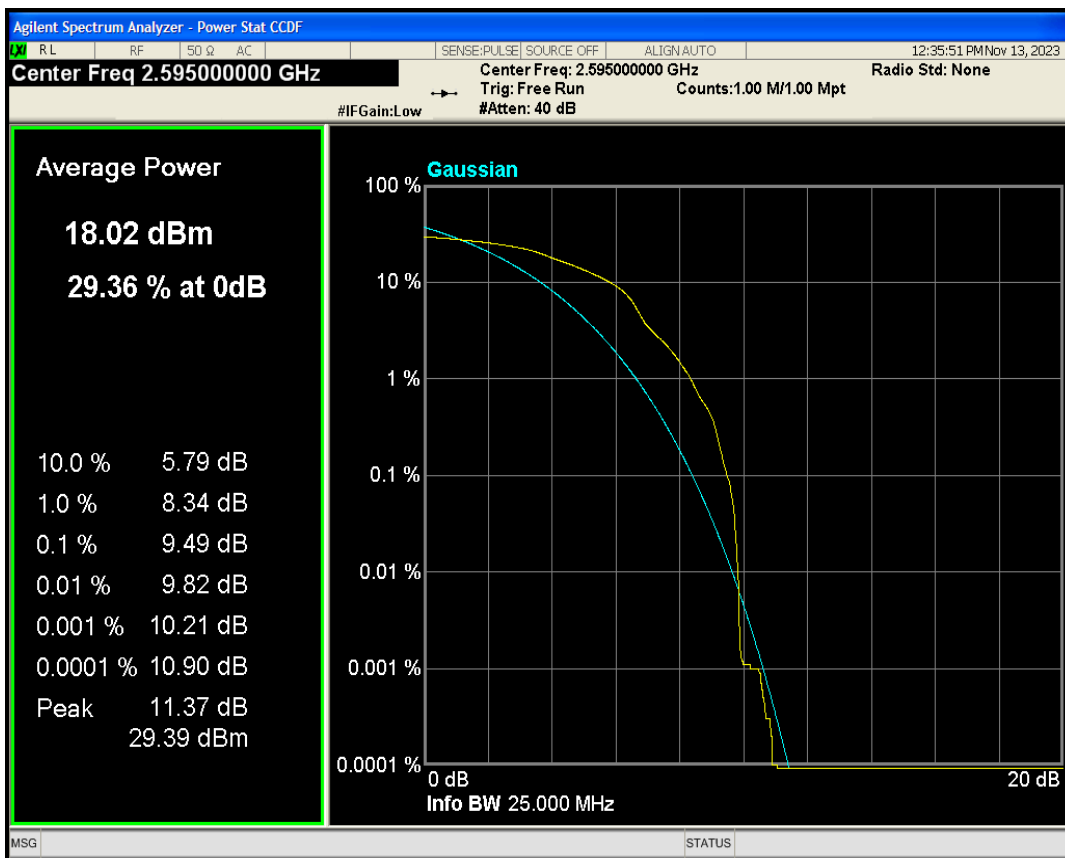
Band38 QAM16 BW=15MHz Channel=38000 RB Size=1 Position=#0



Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0

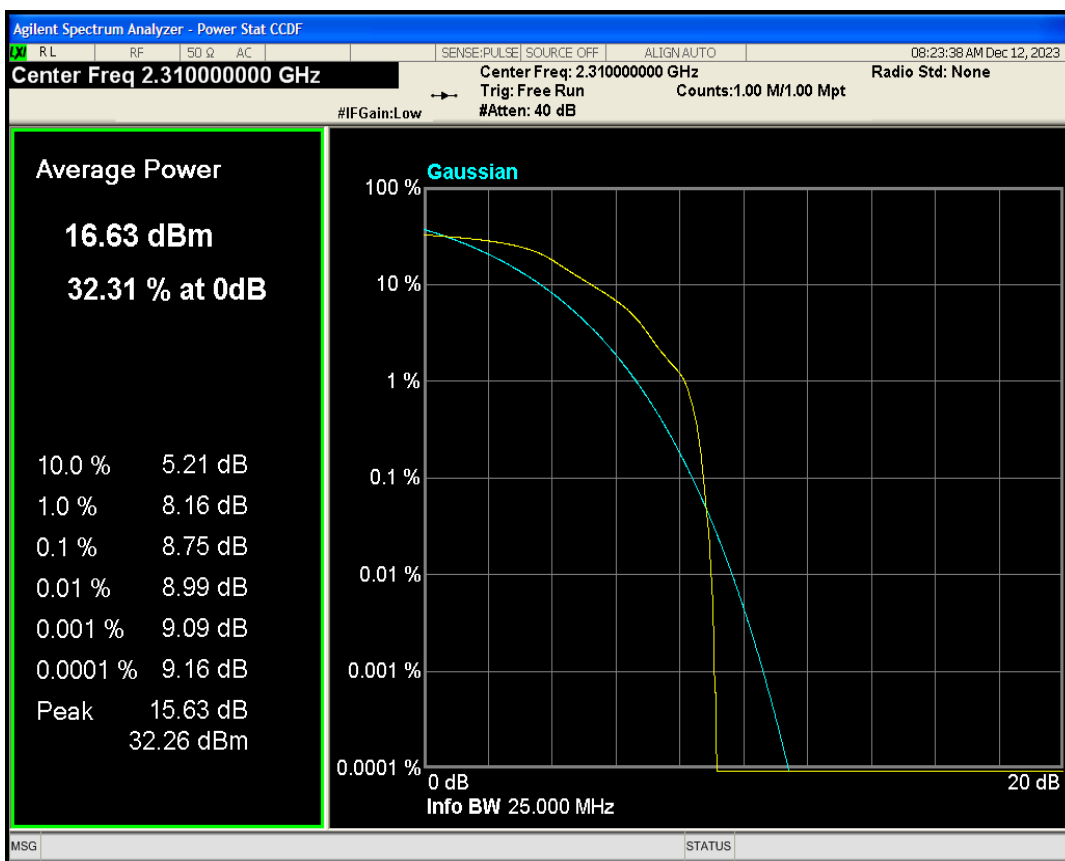


Band38 QAM16 BW=20MHz Channel=38000 RB Size=1 Position=#0

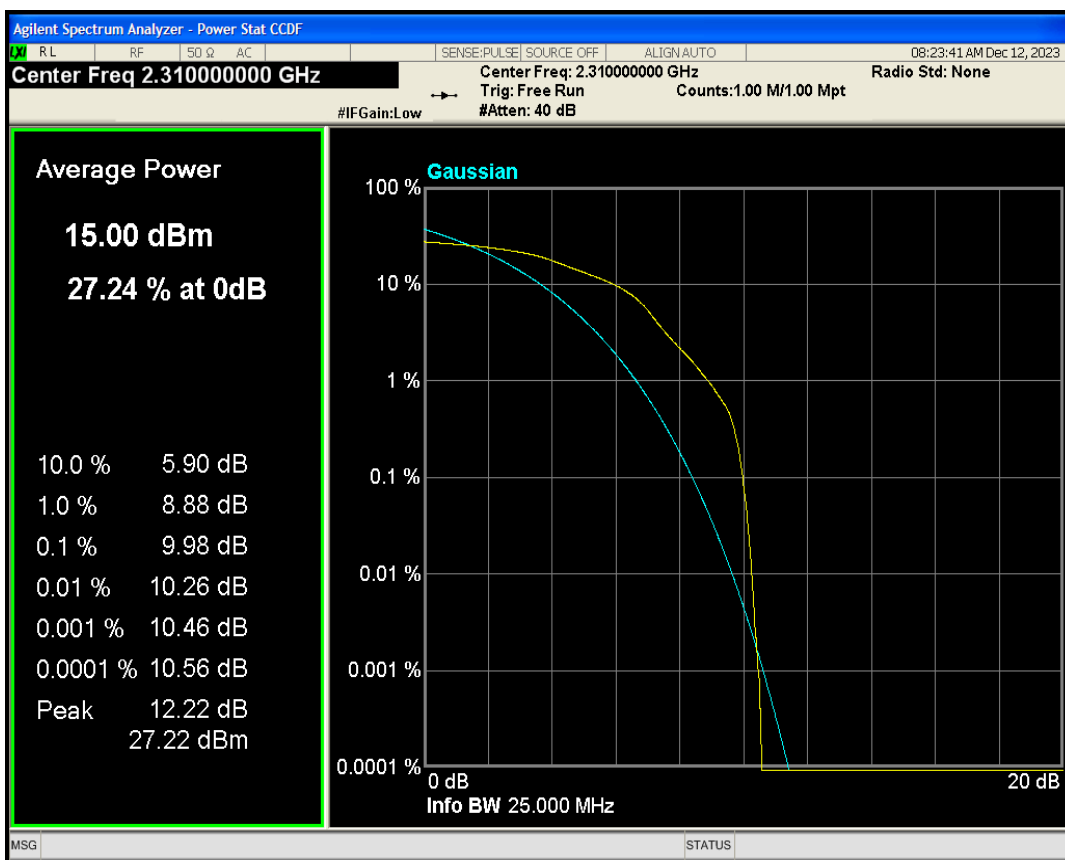


Band40a QPSK BW=5MHz Channel=38750 RB Size=1 Position=#0

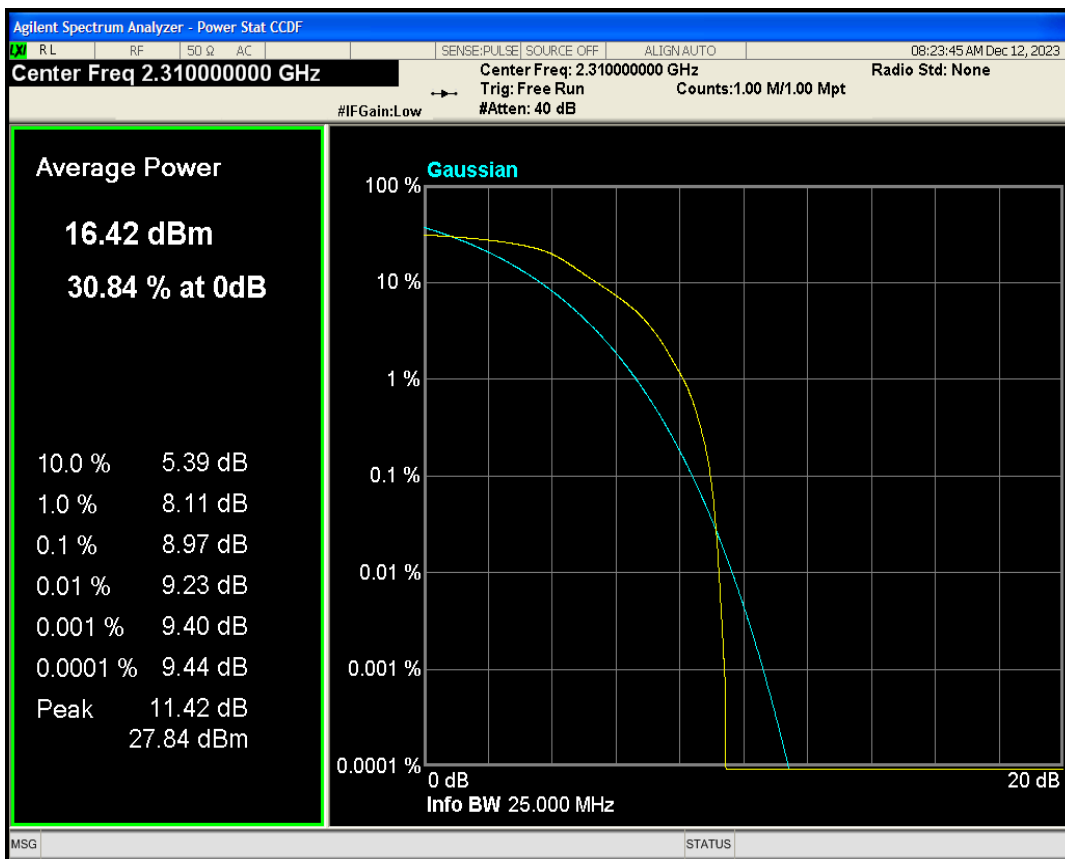




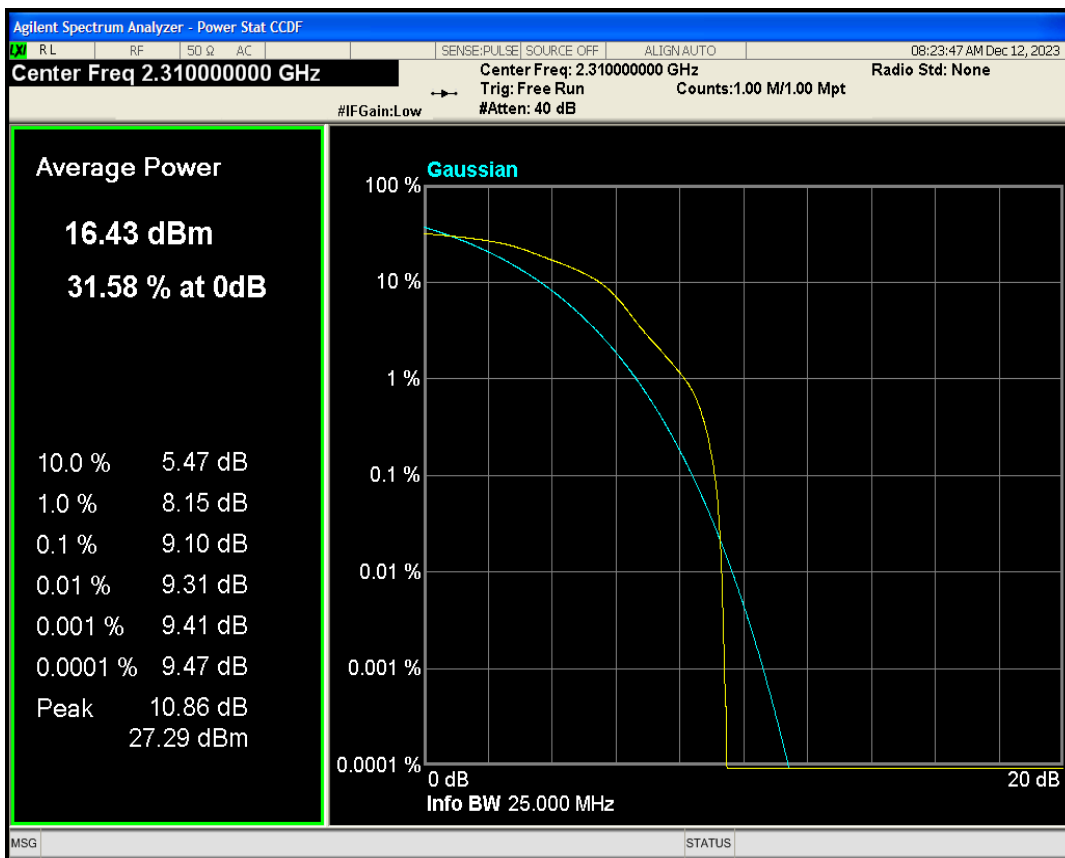
Band40a QAM16 BW=5MHz Channel=38750 RB Size=1 Position=#0



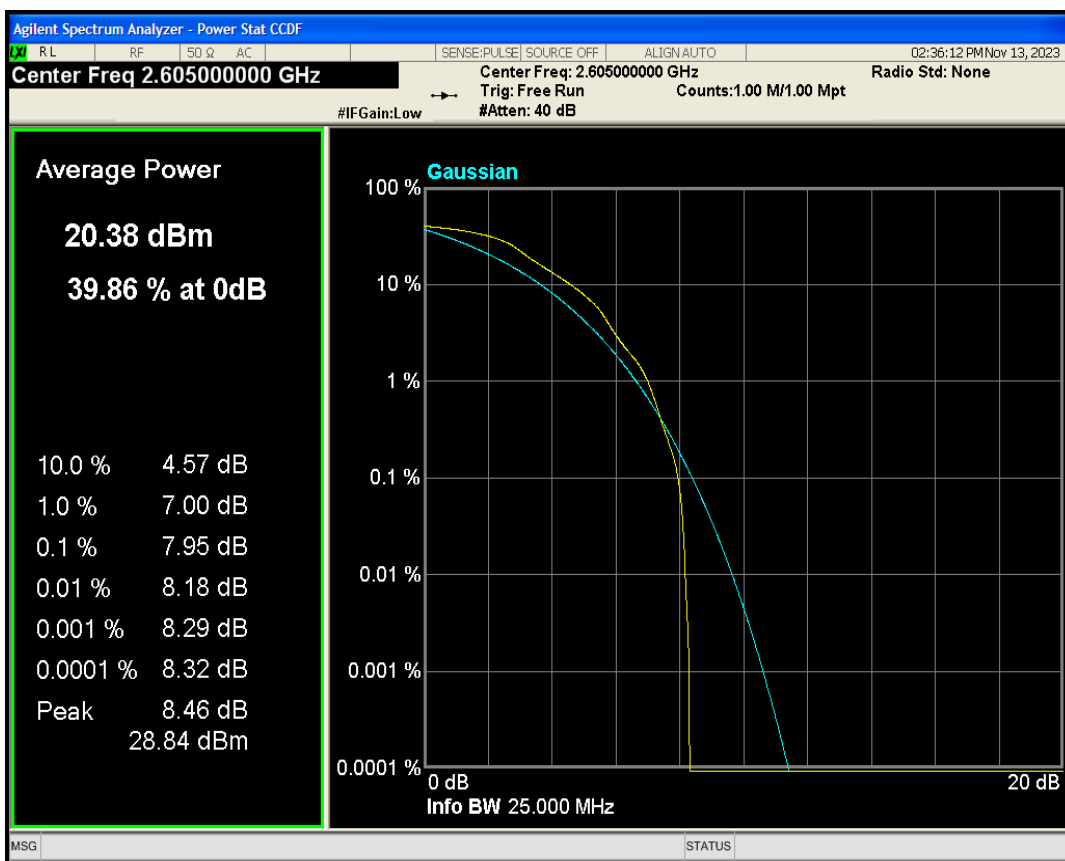
Band40a QPSK BW=10MHz Channel=38750 RB Size=1 Position=#0



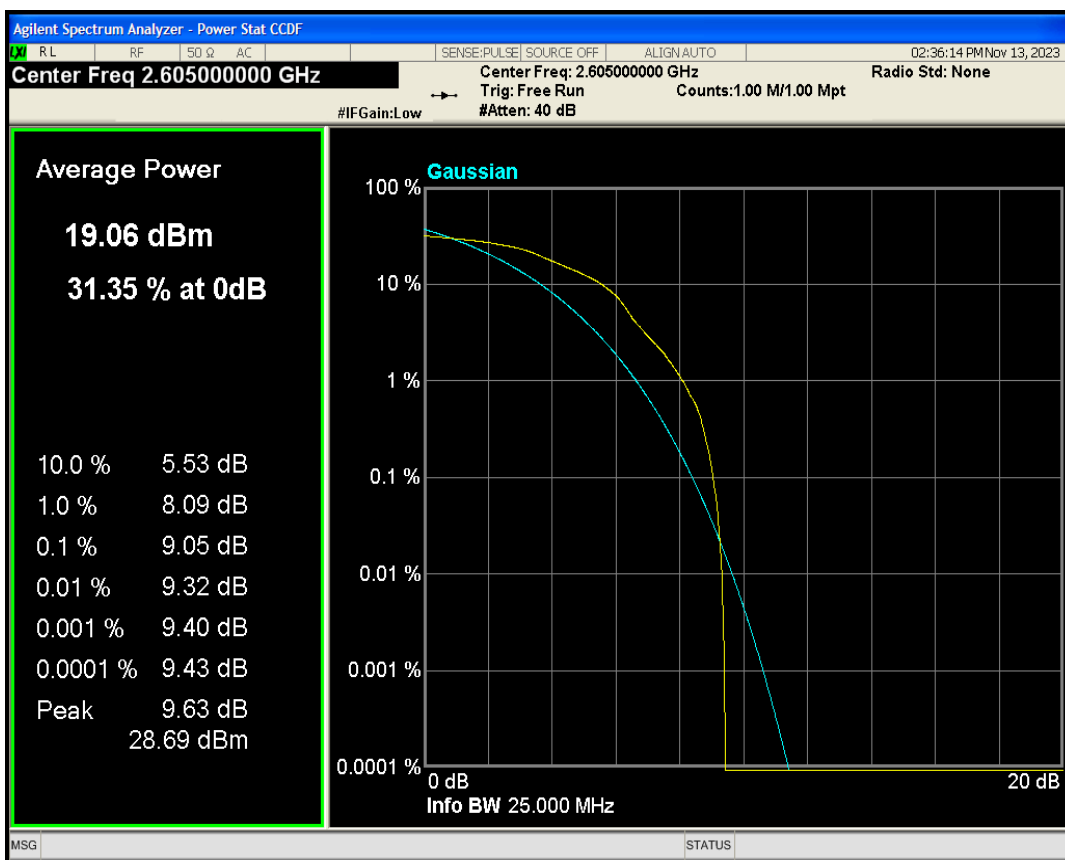
Band40a QAM16 BW=10MHz Channel=38750 RB Size=1 Position=#0



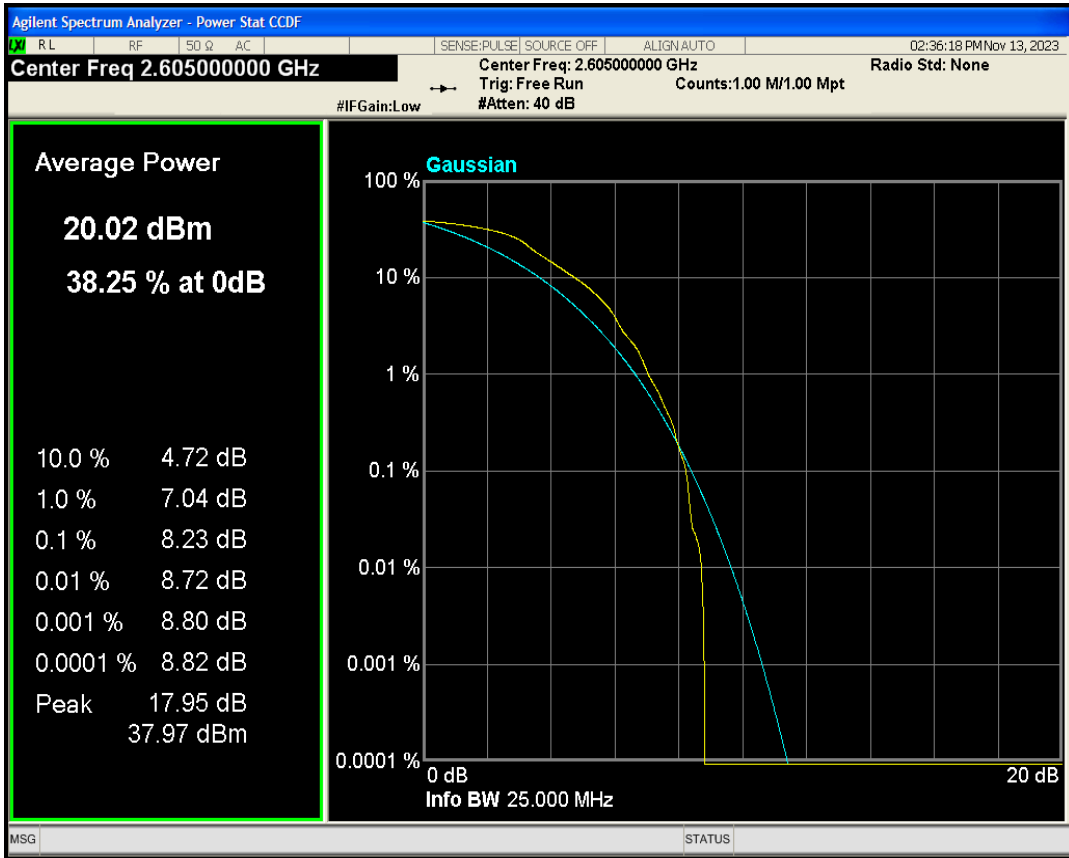
Band41(2555-2655) QPSK BW=5MHz Channel=40740 RB Size=1 Position=#0



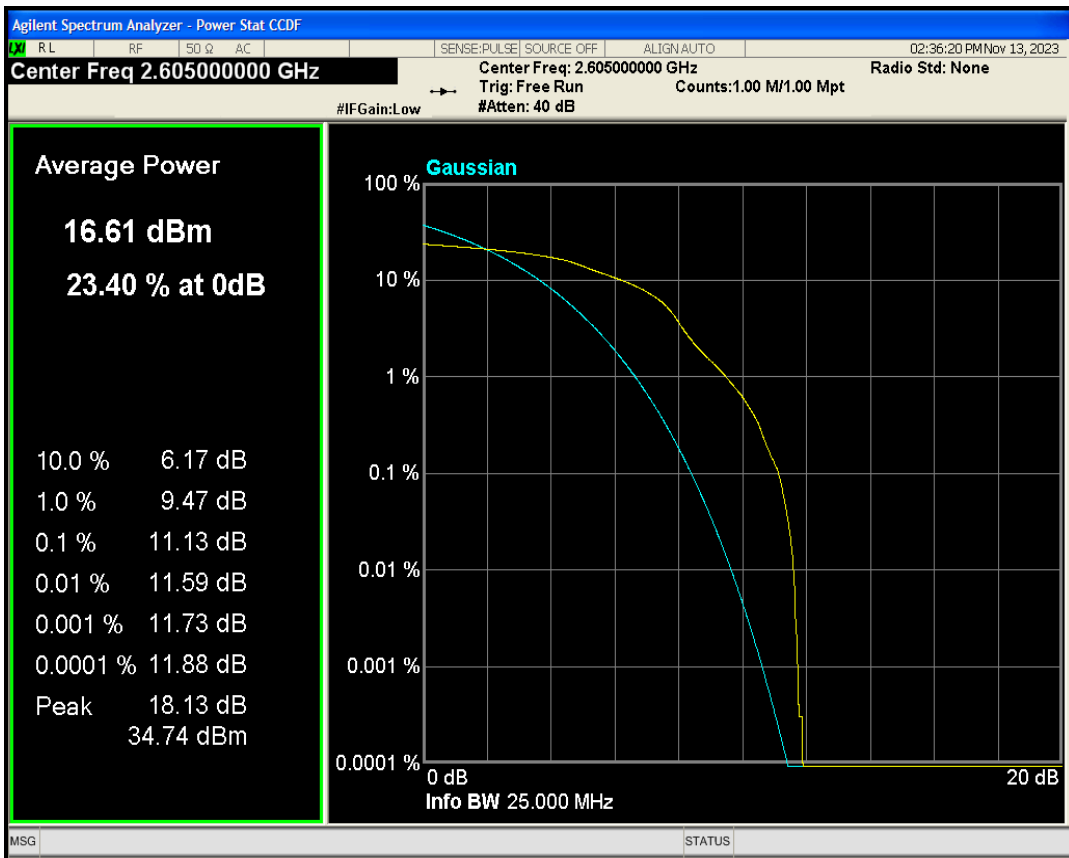
Band41(2555-2655) QAM16 BW=5MHz Channel=40740 RB Size=1 Position=#0



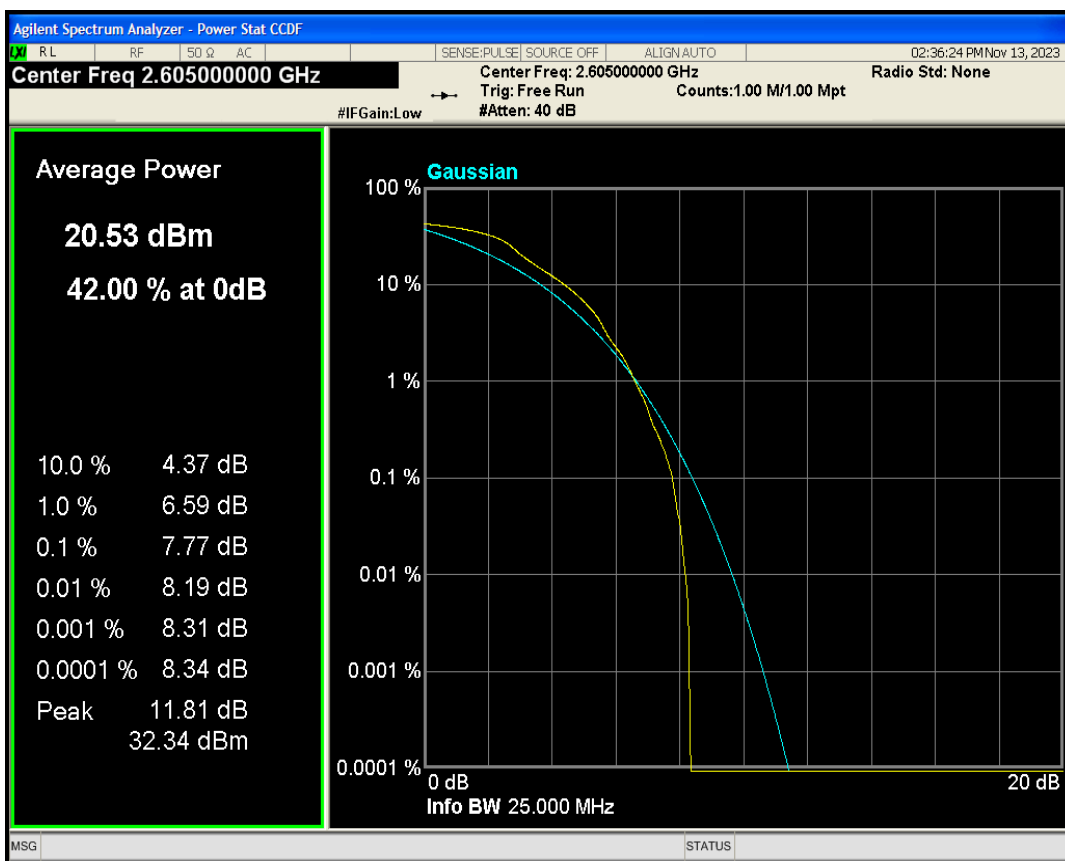
Band41(2555-2655) QPSK BW=10MHz Channel=40740 RB Size=1 Position=#0



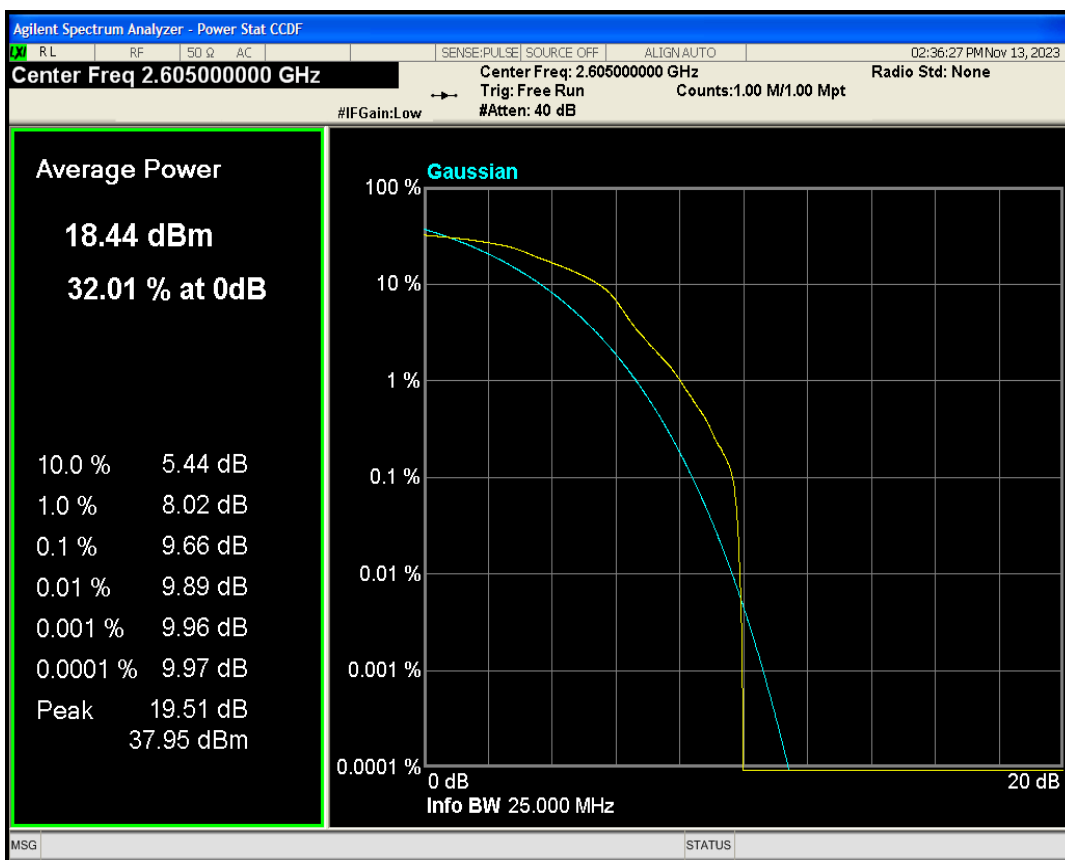
Band41(2555-2655) QAM16 BW=10MHz Channel=40740 RB Size=1 Position=#0



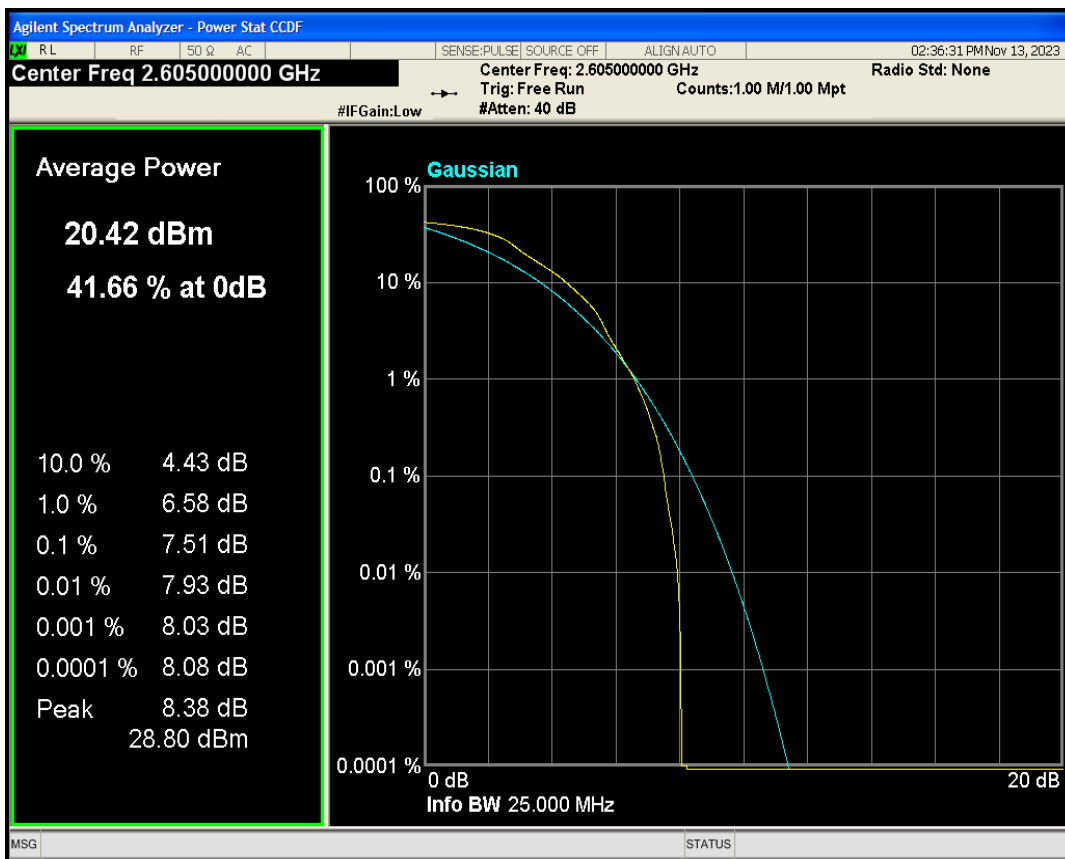
Band41(2555-2655) QPSK BW=15MHz Channel=40740 RB Size=1 Position=#0



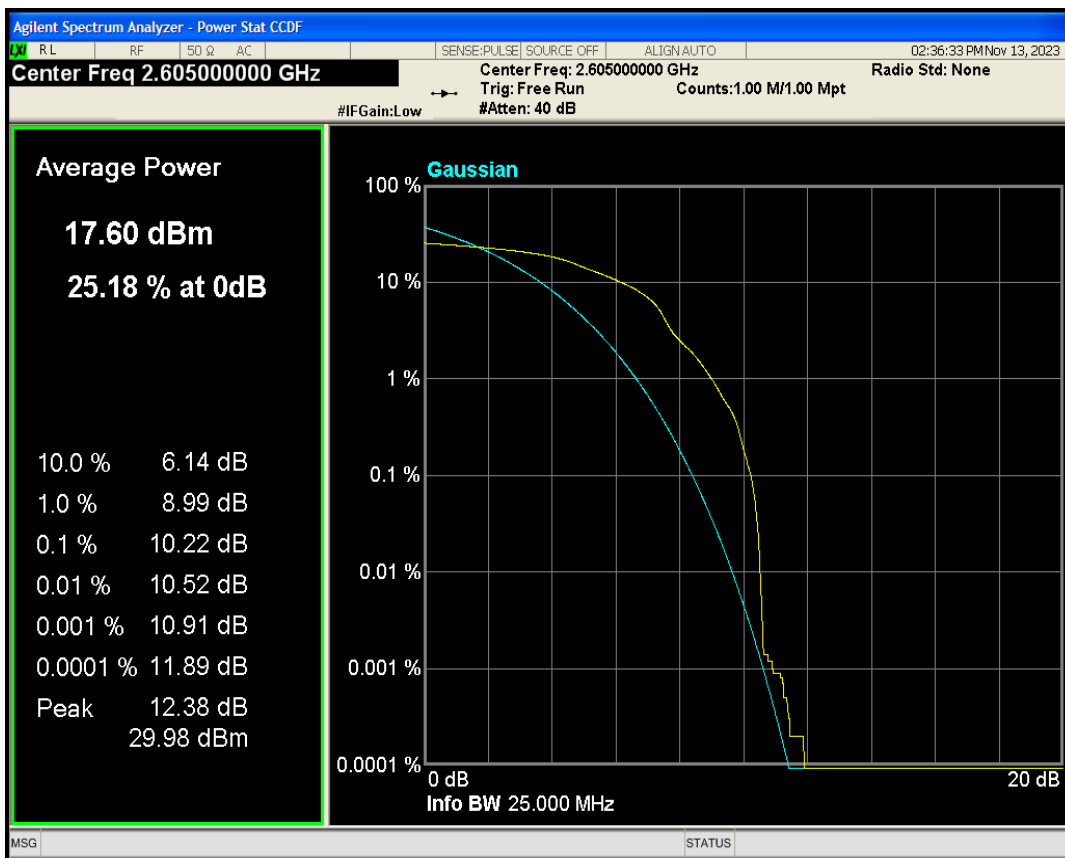
Band41(2555-2655) QAM16 BW=15MHz Channel=40740 RB Size=1 Position=#0



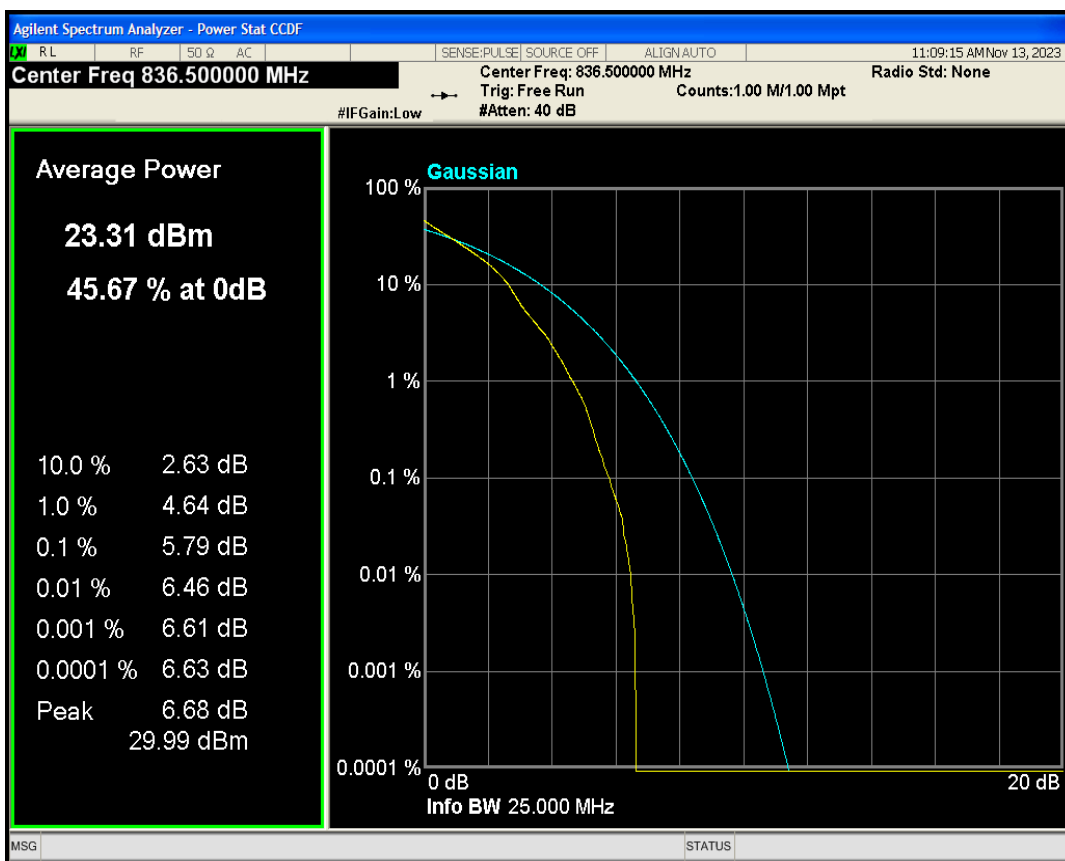
Band41(2555-2655) QPSK BW=20MHz Channel=40740 RB Size=1 Position=#0



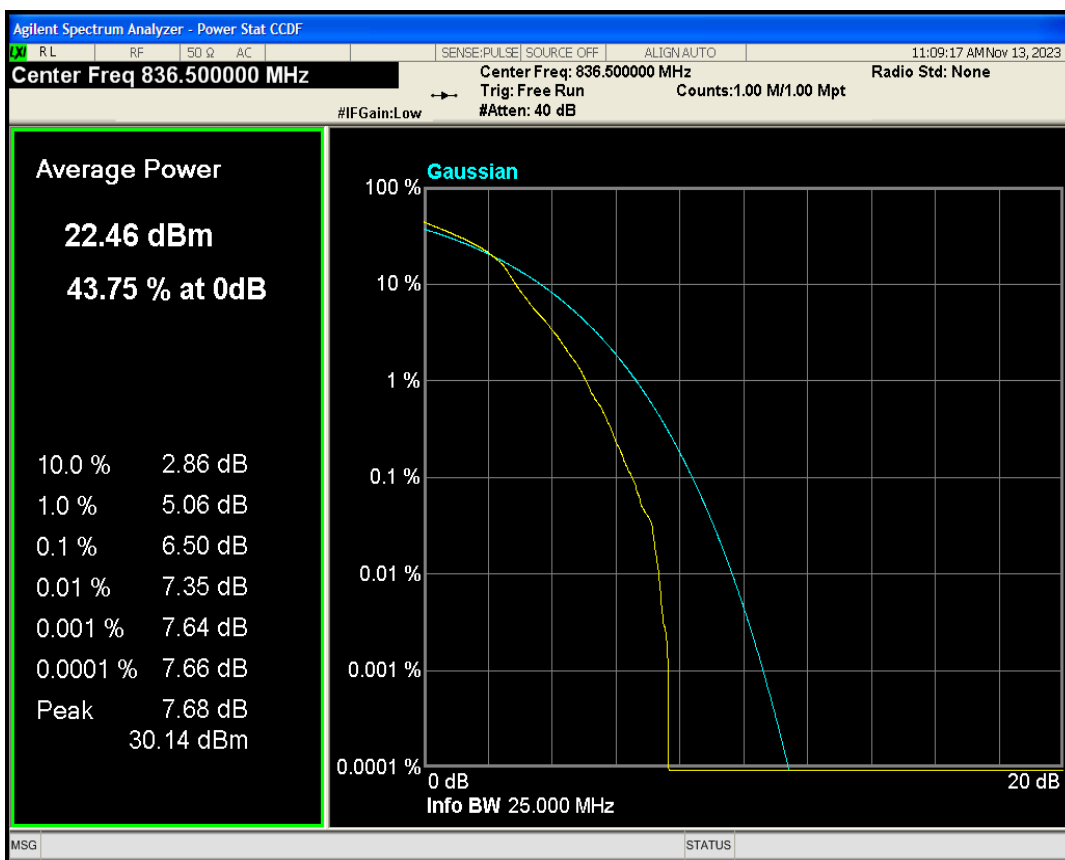
Band41(2555-2655) QAM16 BW=20MHz Channel=40740 RB Size=1 Position=#0



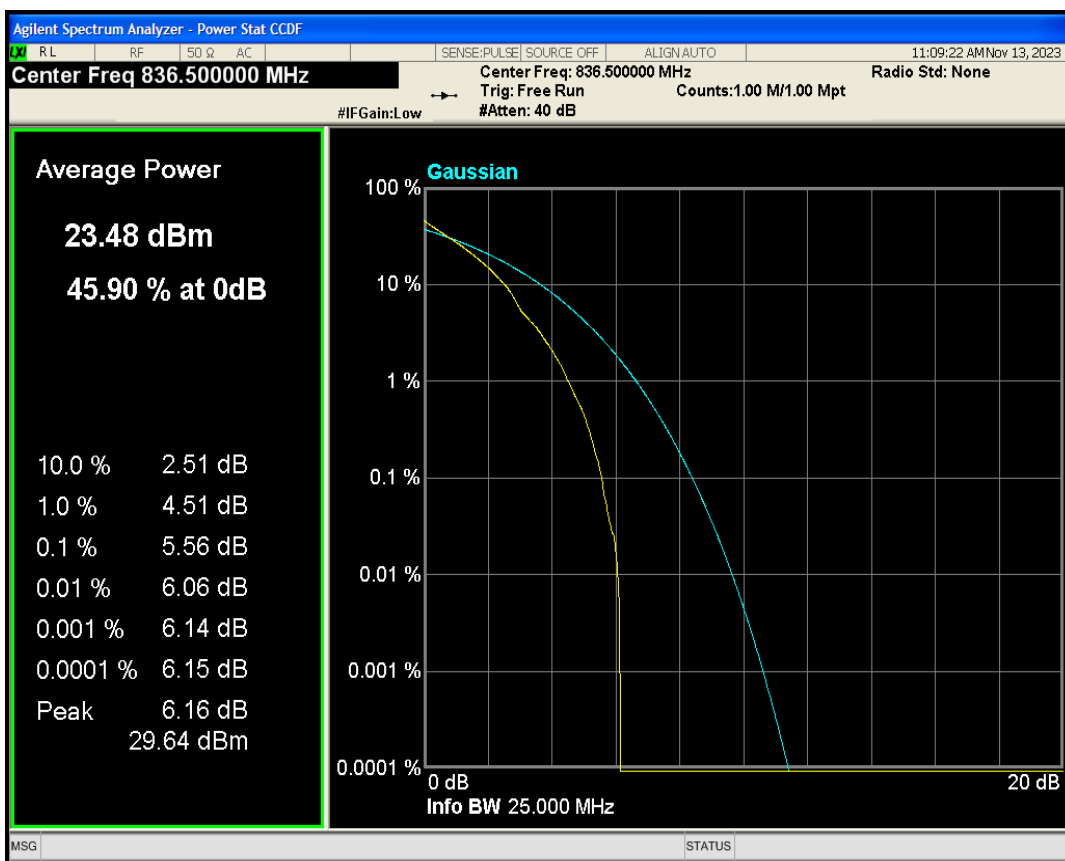
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



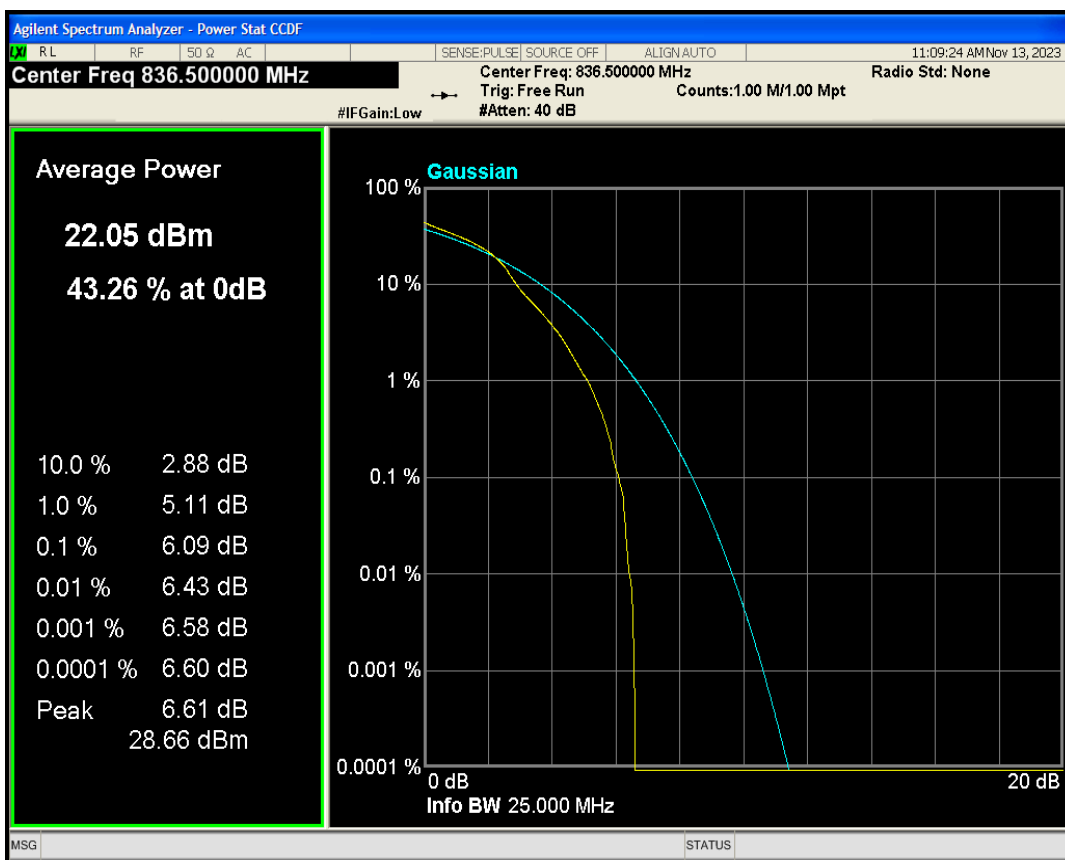
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=1 Position=#0



Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0

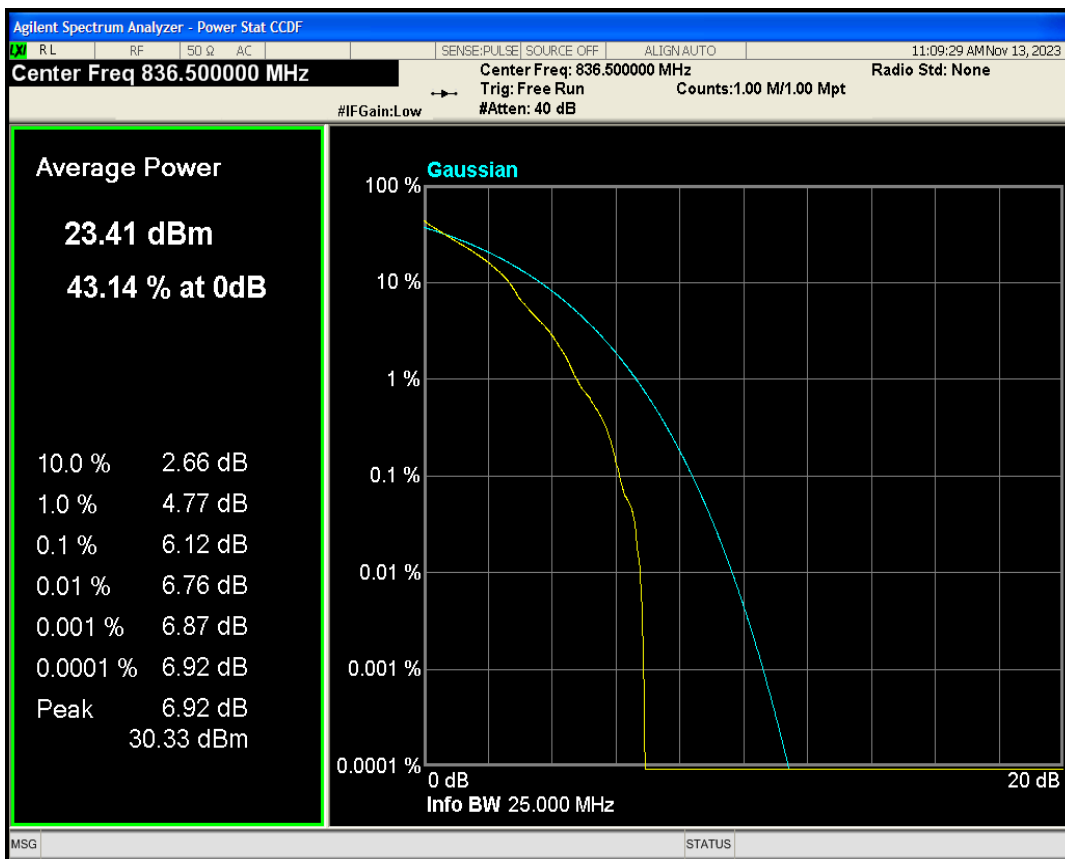


Band5 QAM16 BW=3MHz Channel=20525 RB Size=1 Position=#0

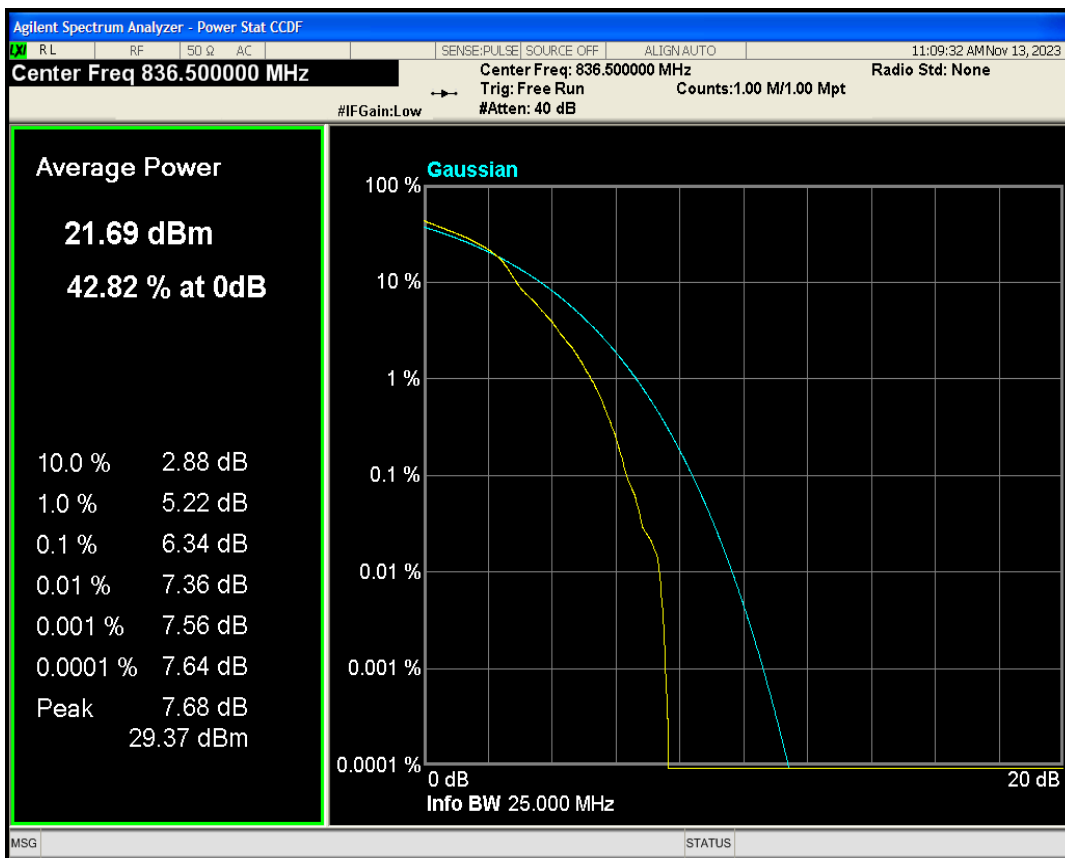


Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0

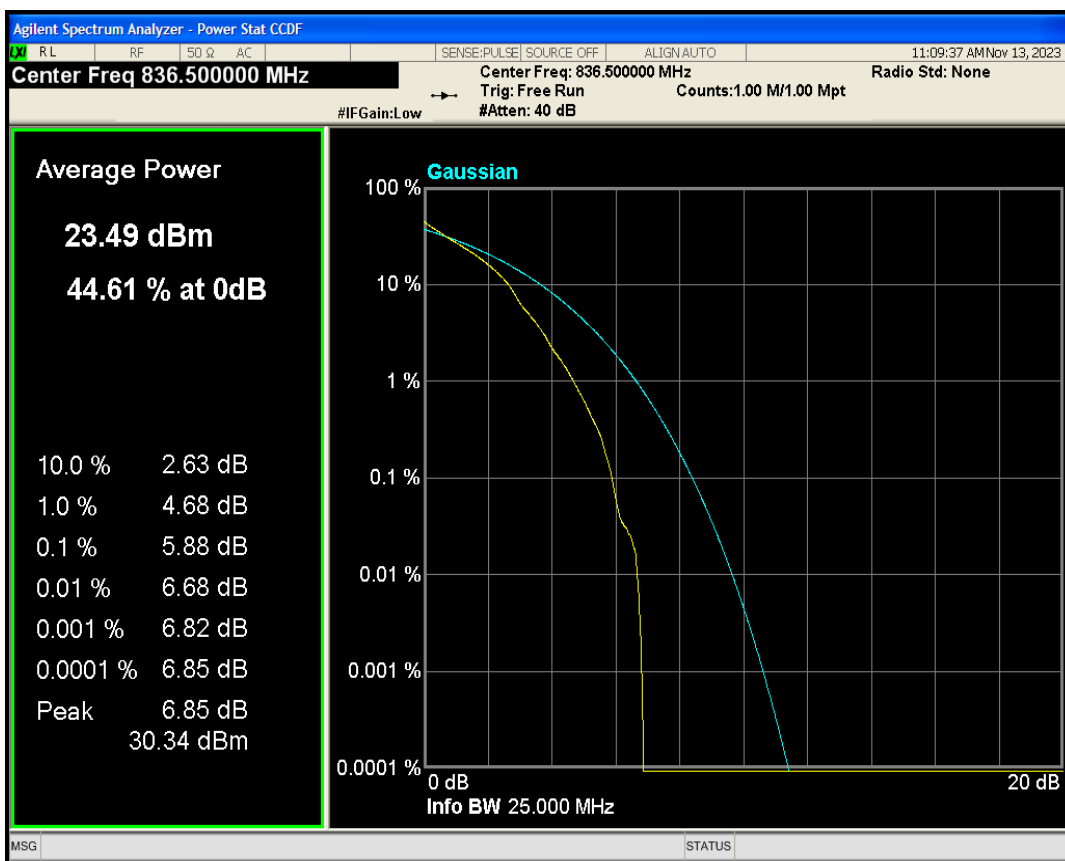




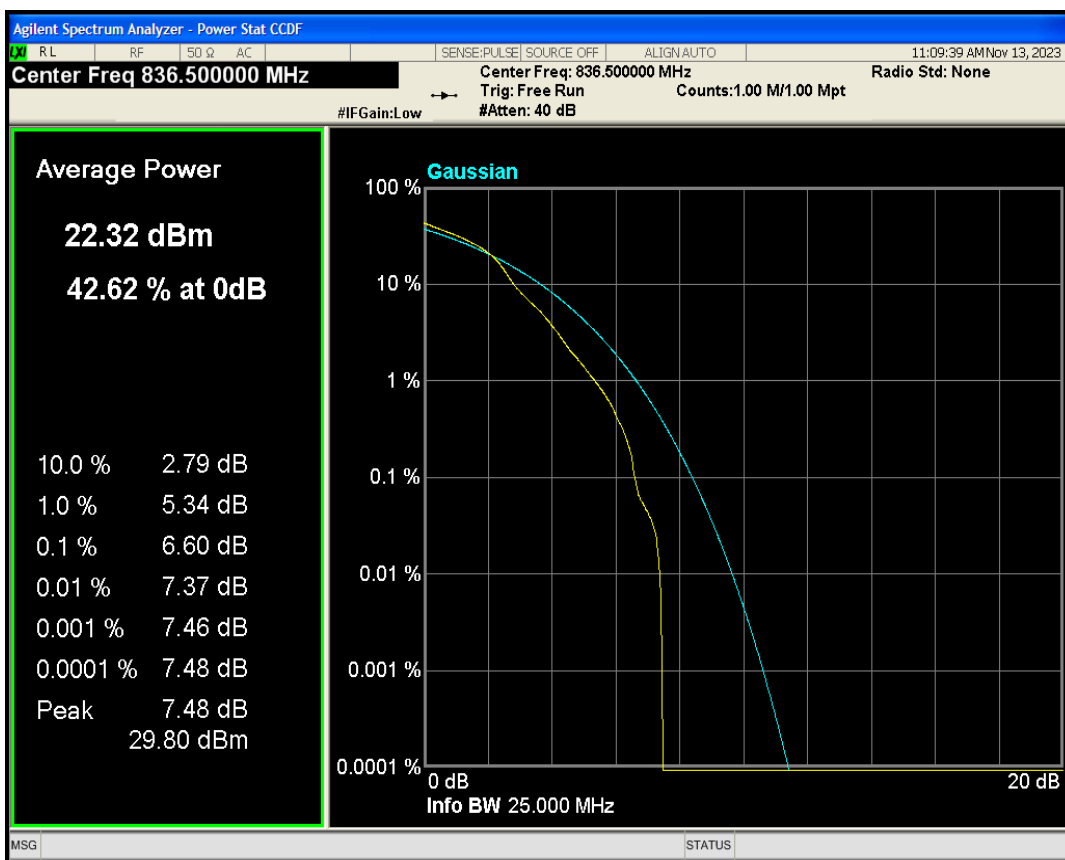
Band5 QAM16 BW=5MHz Channel=20525 RB Size=1 Position=#0



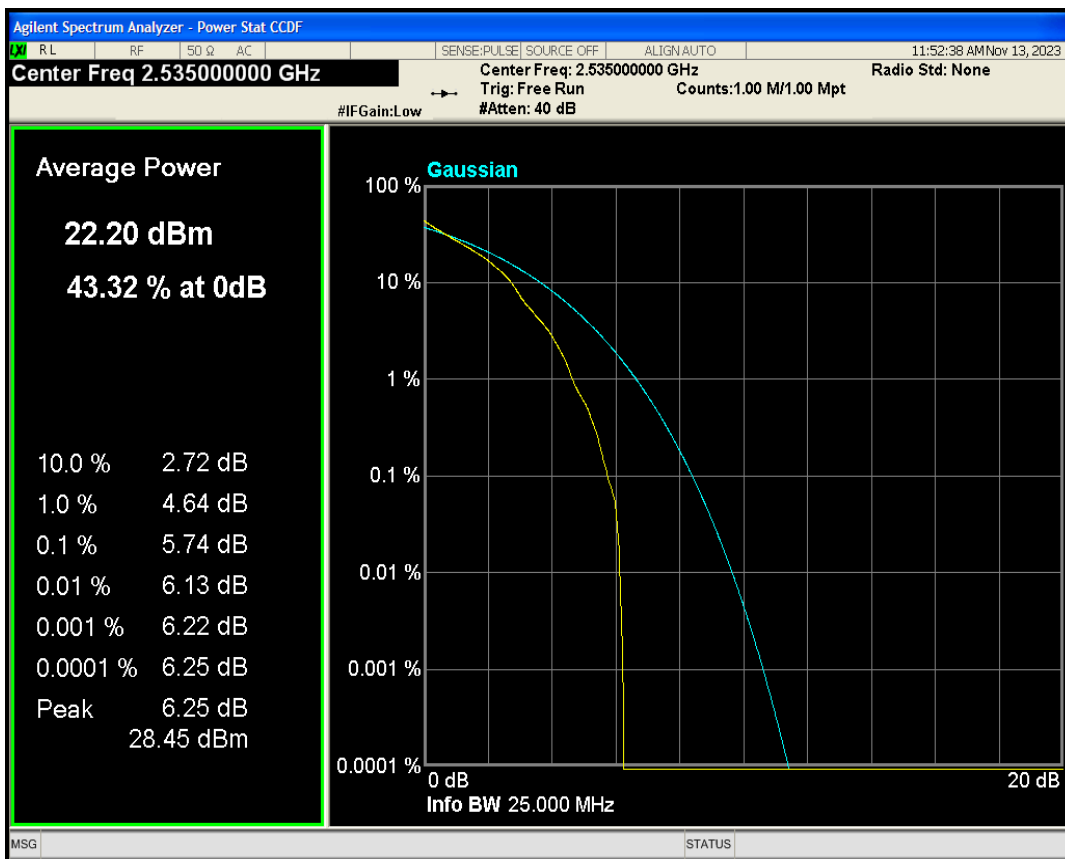
Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



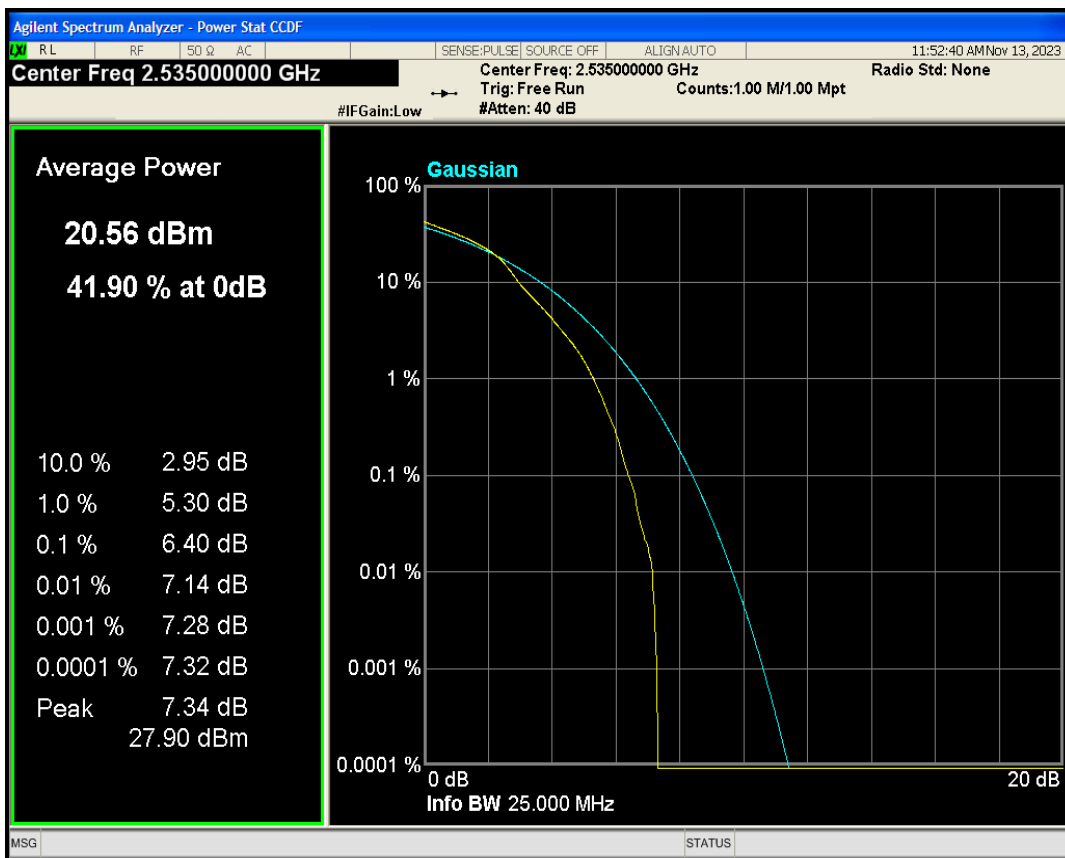
Band5 QAM16 BW=10MHz Channel=20525 RB Size=1 Position=#0



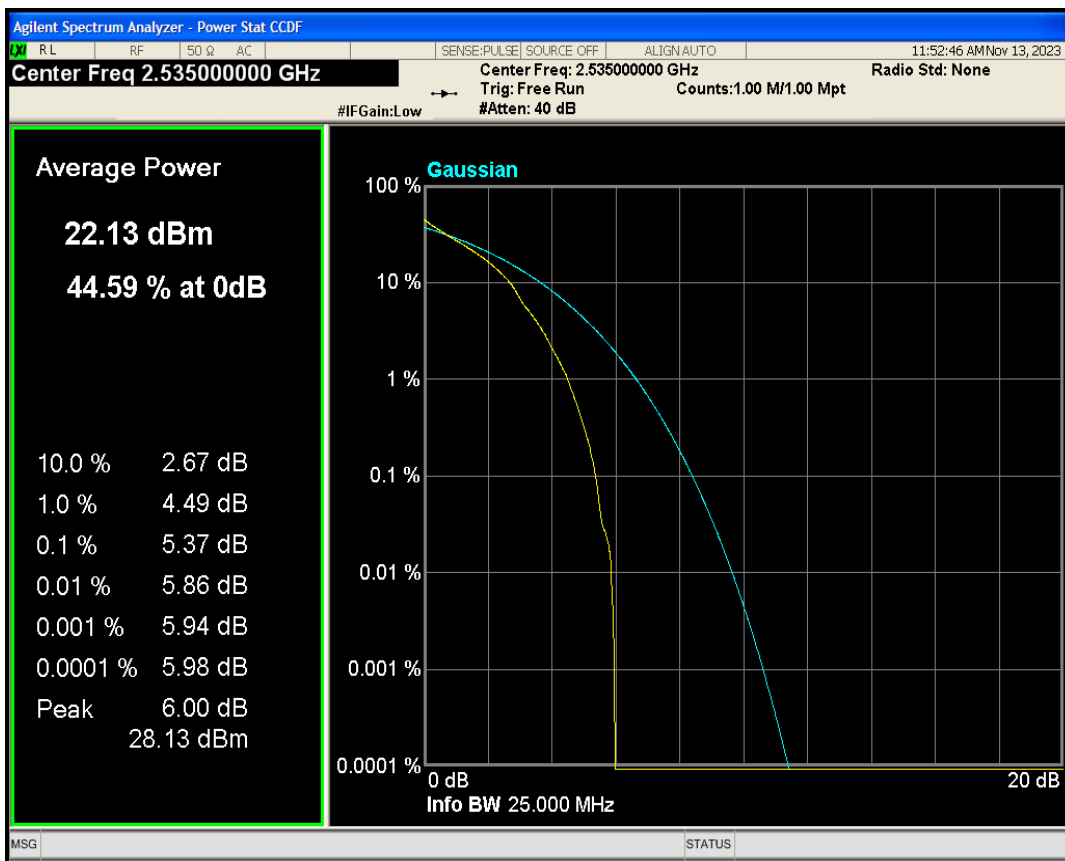
Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0



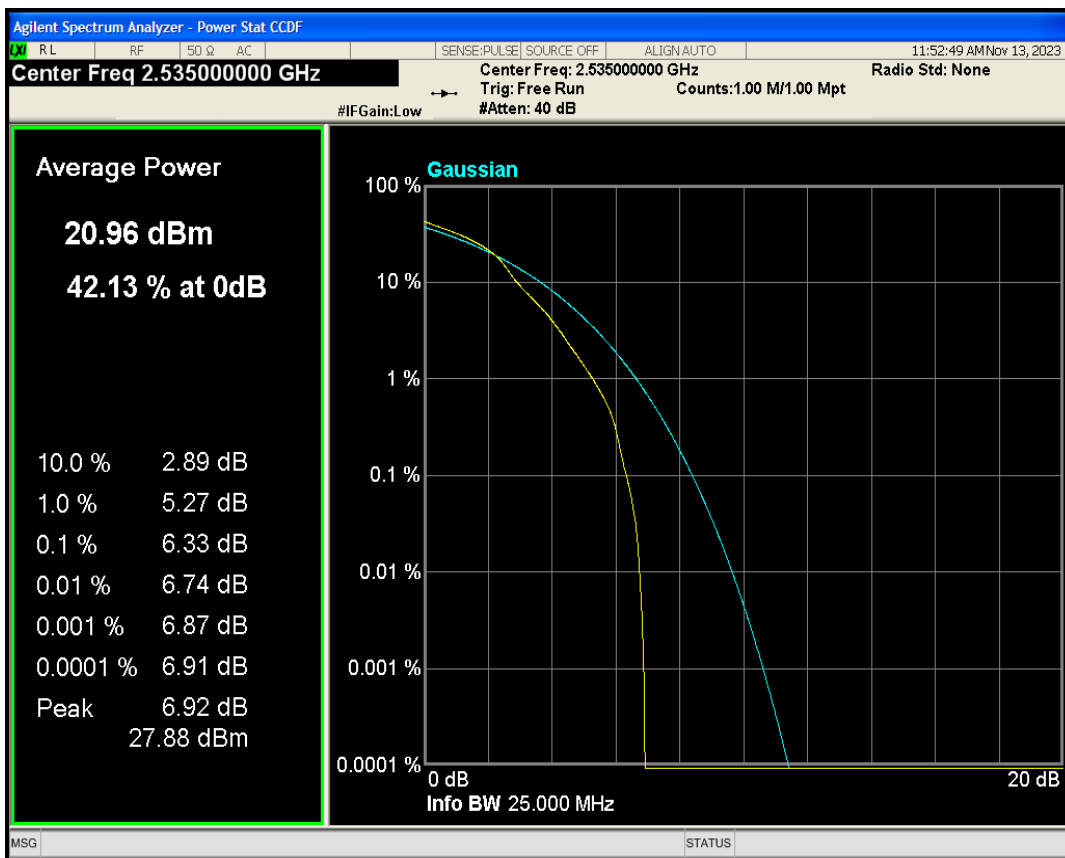
Band7 QAM16 BW=5MHz Channel=21100 RB Size=1 Position=#0



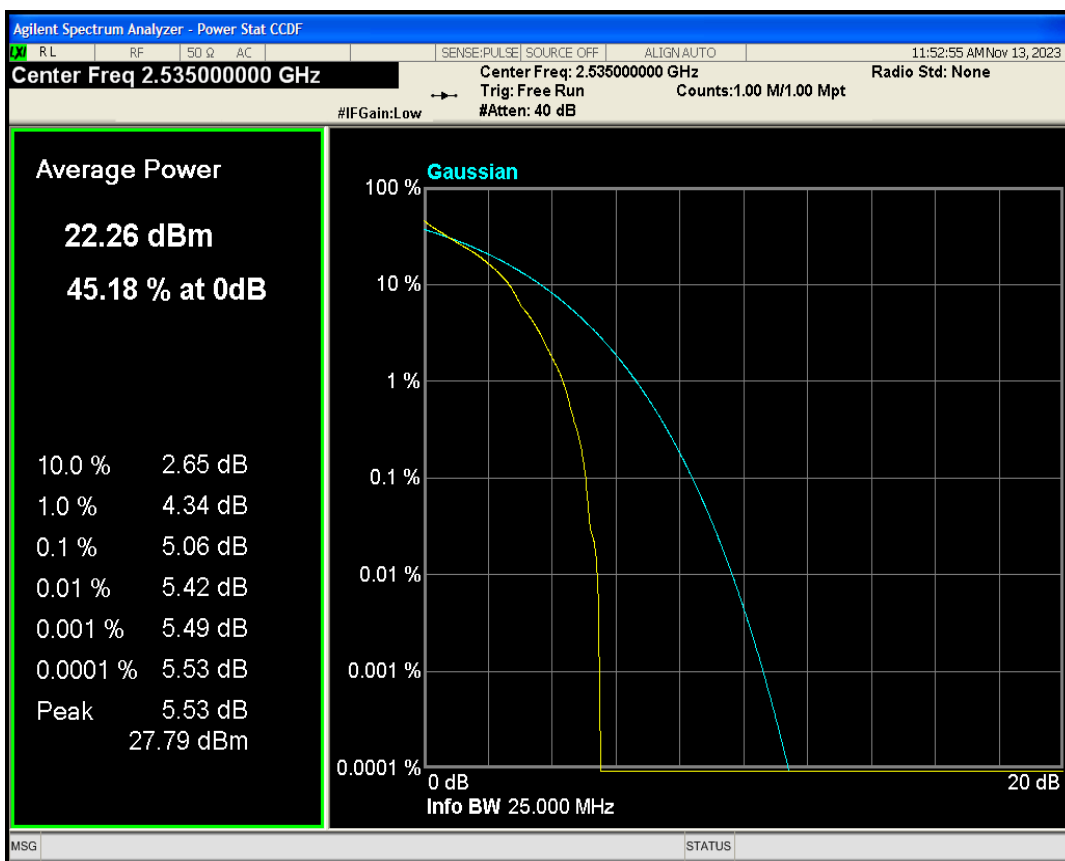
Band7 QPSK BW=10MHz Channel=21100 RB Size=1 Position=#0



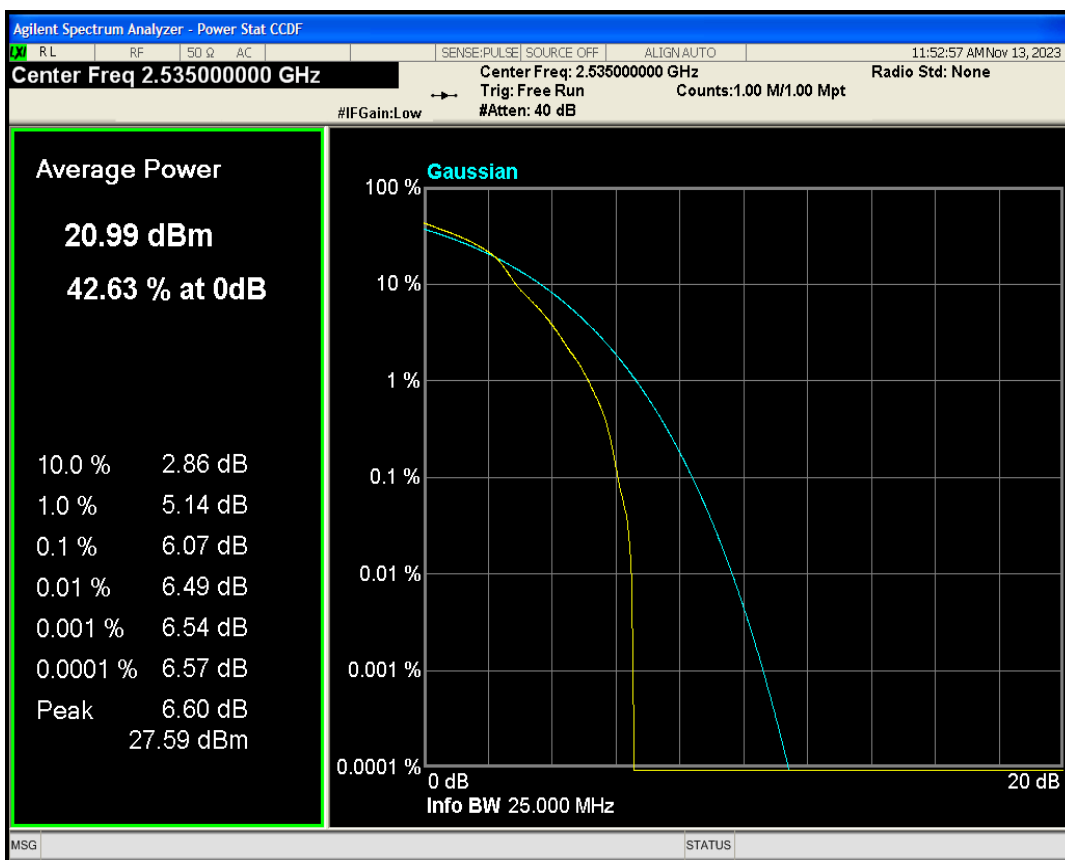
Band7 QAM16 BW=10MHz Channel=21100 RB Size=1 Position=#0



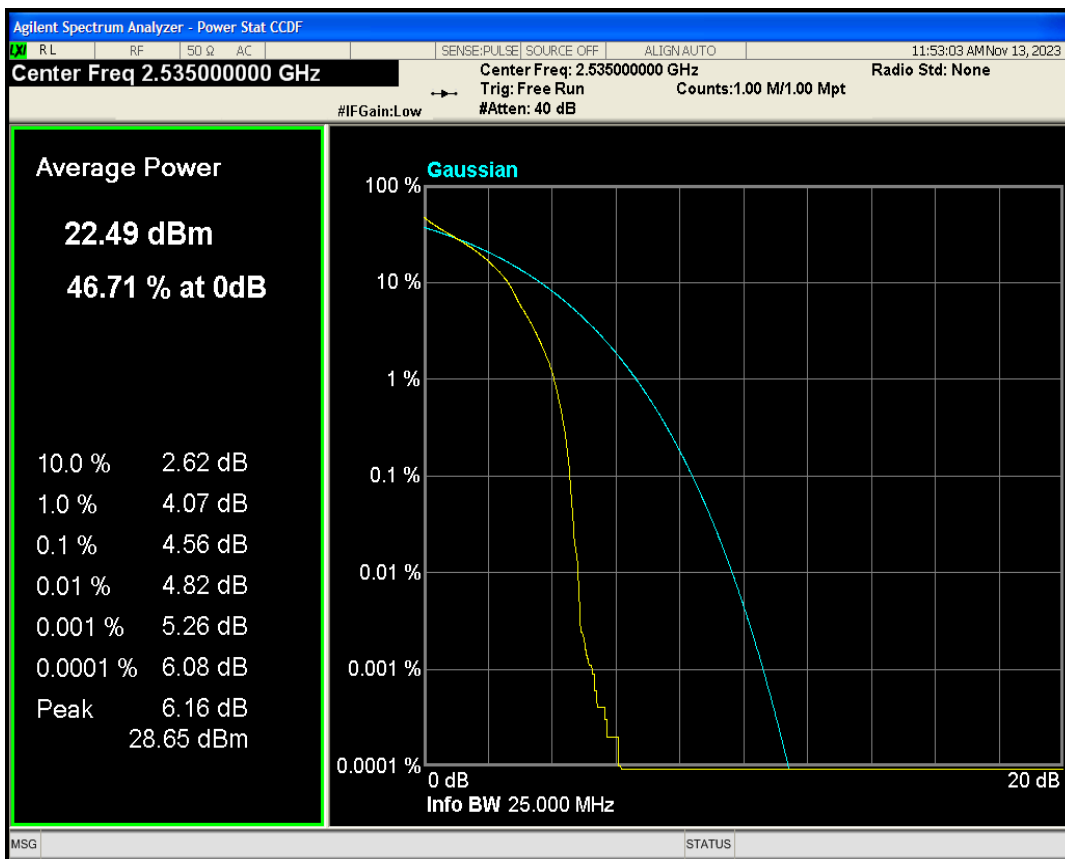
Band7 QPSK BW=15MHz Channel=21100 RB Size=1 Position=#0



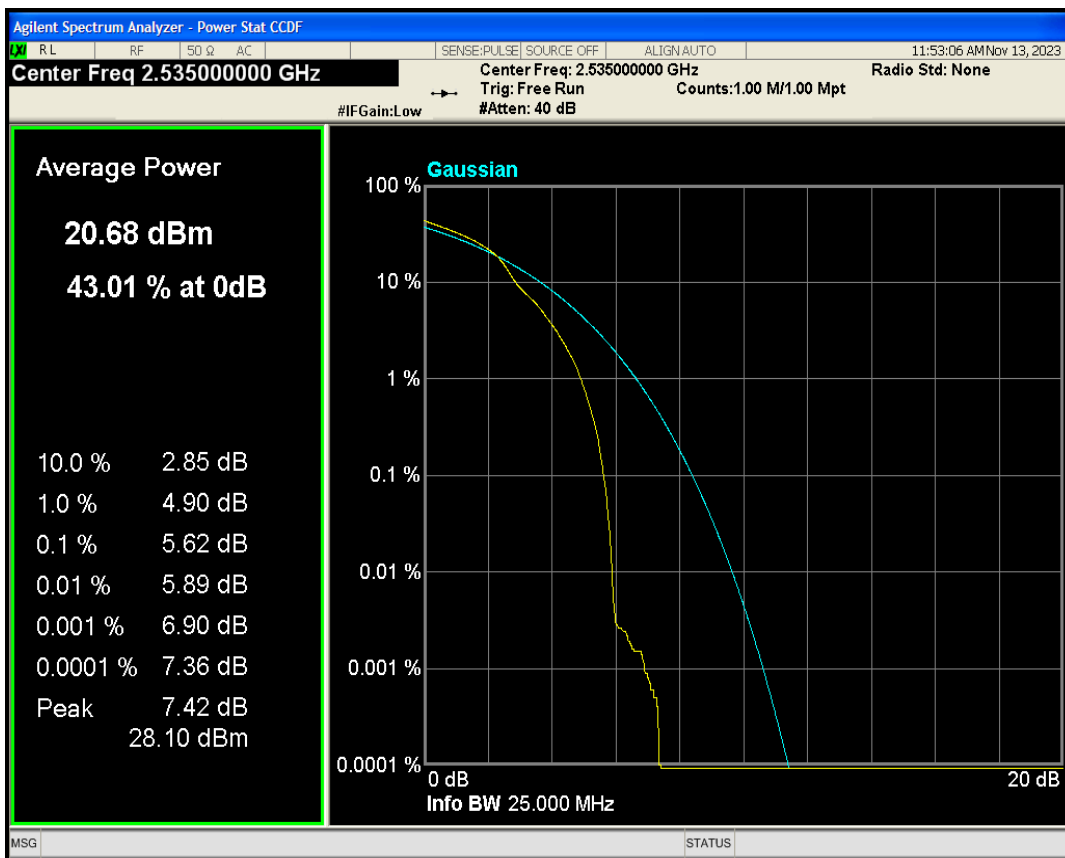
Band7 QAM16 BW=15MHz Channel=21100 RB Size=1 Position=#0



Band7 QPSK BW=20MHz Channel=21100 RB Size=1 Position=#0



Band7 QAM16 BW=20MHz Channel=21100 RB Size=1 Position=#0



## Appendix C:

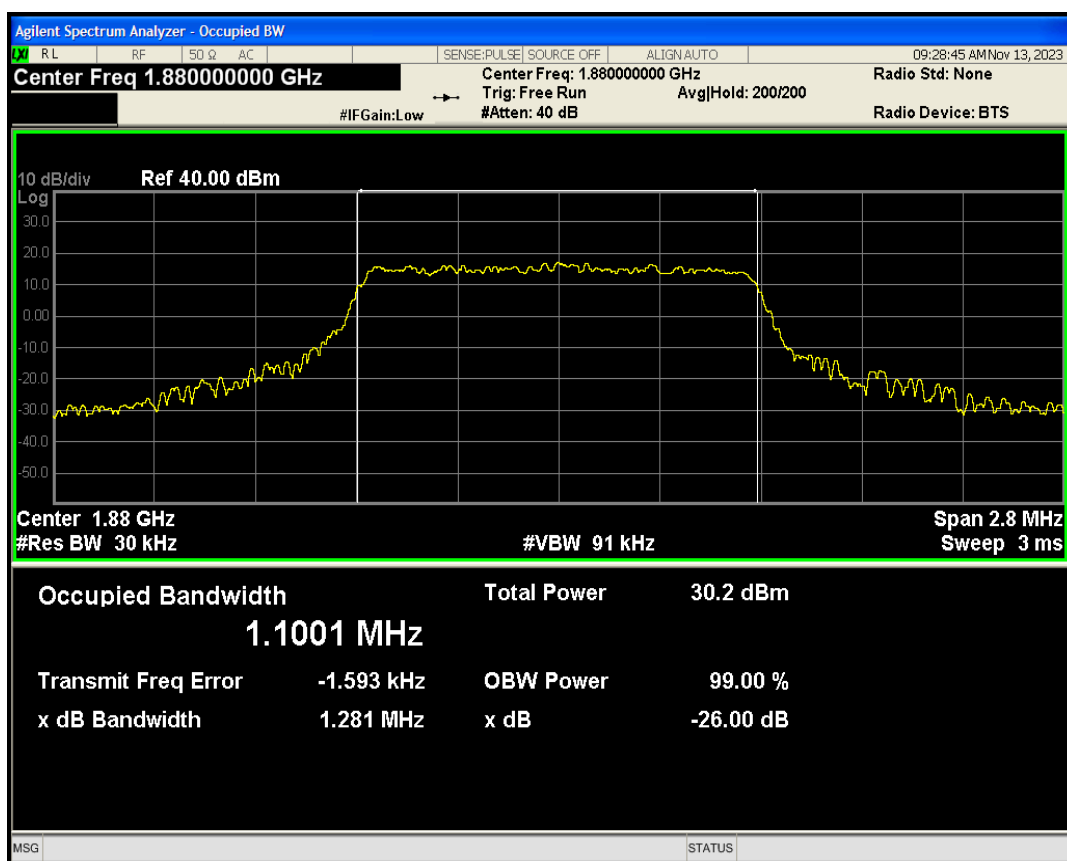
**4 Occupied bandwidth**

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band2	1.4	18900	6	#0	QPSK	1.100	1.281	PASS
Band2	1.4	18900	6	#0	QAM16	1.096	1.256	PASS
Band2	3	18900	15	#0	QPSK	2.707	3.024	PASS
Band2	3	18900	15	#0	QAM16	2.698	3.076	PASS
Band2	5	18900	25	#0	QPSK	4.522	5.294	PASS
Band2	5	18900	25	#0	QAM16	4.506	5.228	PASS
Band2	10	18900	50	#0	QPSK	8.984	9.997	PASS
Band2	10	18900	50	#0	QAM16	8.984	9.828	PASS
Band2	15	18900	75	#0	QPSK	13.483	15.153	PASS
Band2	15	18900	75	#0	QAM16	13.492	14.715	PASS
Band2	20	18900	100	#0	QPSK	18.014	20.006	PASS
Band2	20	18900	100	#0	QAM16	17.986	19.964	PASS
Band38	5	38000	25	#0	QPSK	4.513	5.234	PASS
Band38	5	38000	25	#0	QAM16	4.494	5.086	PASS
Band38	10	38000	50	#0	QPSK	9.011	9.939	PASS
Band38	10	38000	50	#0	QAM16	9.003	10.504	PASS
Band38	15	38000	75	#0	QPSK	13.451	14.950	PASS
Band38	15	38000	75	#0	QAM16	13.436	14.669	PASS
Band38	20	38000	100	#0	QPSK	17.971	19.554	PASS
Band38	20	38000	100	#0	QAM16	17.928	19.644	PASS
Band40a	5	38750	25	#0	QPSK	4.503	4.947	PASS
Band40a	5	38750	25	#0	QAM16	4.504	4.992	PASS
Band40a	10	38750	50	#0	QPSK	8.941	9.711	PASS
Band40a	10	38750	50	#0	QAM16	8.997	9.710	PASS
Band41(2555-2655)	5	40740	25	#0	QPSK	4.508	5.020	PASS
Band41(2555-2655)	5	40740	25	#0	QAM16	4.506	5.083	PASS
Band41(2555-2655)	10	40740	50	#0	QPSK	8.991	9.944	PASS
Band41(2555-2655)	10	40740	50	#0	QAM16	8.978	9.971	PASS
Band41(2555-2655)	15	40740	75	#0	QPSK	13.474	15.252	PASS
Band41(2555-2655)	15	40740	75	#0	QAM16	13.516	14.711	PASS
Band41(2555-2655)	20	40740	100	#0	QPSK	17.903	19.762	PASS
Band41(2555-2655)	20	40740	100	#0	QAM16	17.963	19.633	PASS
Band5	1.4	20525	6	#0	QPSK	1.101	1.301	PASS
Band5	1.4	20525	6	#0	QAM16	1.096	1.298	PASS
Band5	3	20525	15	#0	QPSK	2.710	3.018	PASS
Band5	3	20525	15	#0	QAM16	2.703	3.076	PASS
Band5	5	20525	25	#0	QPSK	4.521	5.091	PASS
Band5	5	20525	25	#0	QAM16	4.537	5.229	PASS
Band5	10	20525	50	#0	QPSK	8.980	9.810	PASS
Band5	10	20525	50	#0	QAM16	9.011	9.807	PASS

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Band7	5	21100	25	#0	QPSK	4.531	5.443	PASS
Band7	5	21100	25	#0	QAM16	4.504	4.953	PASS
Band7	10	21100	50	#0	QPSK	8.998	9.835	PASS
Band7	10	21100	50	#0	QAM16	8.975	9.904	PASS
Band7	15	21100	75	#0	QPSK	13.485	15.050	PASS
Band7	15	21100	75	#0	QAM16	13.450	14.894	PASS
Band7	20	21100	100	#0	QPSK	17.976	19.722	PASS
Band7	20	21100	100	#0	QAM16	17.899	19.754	PASS

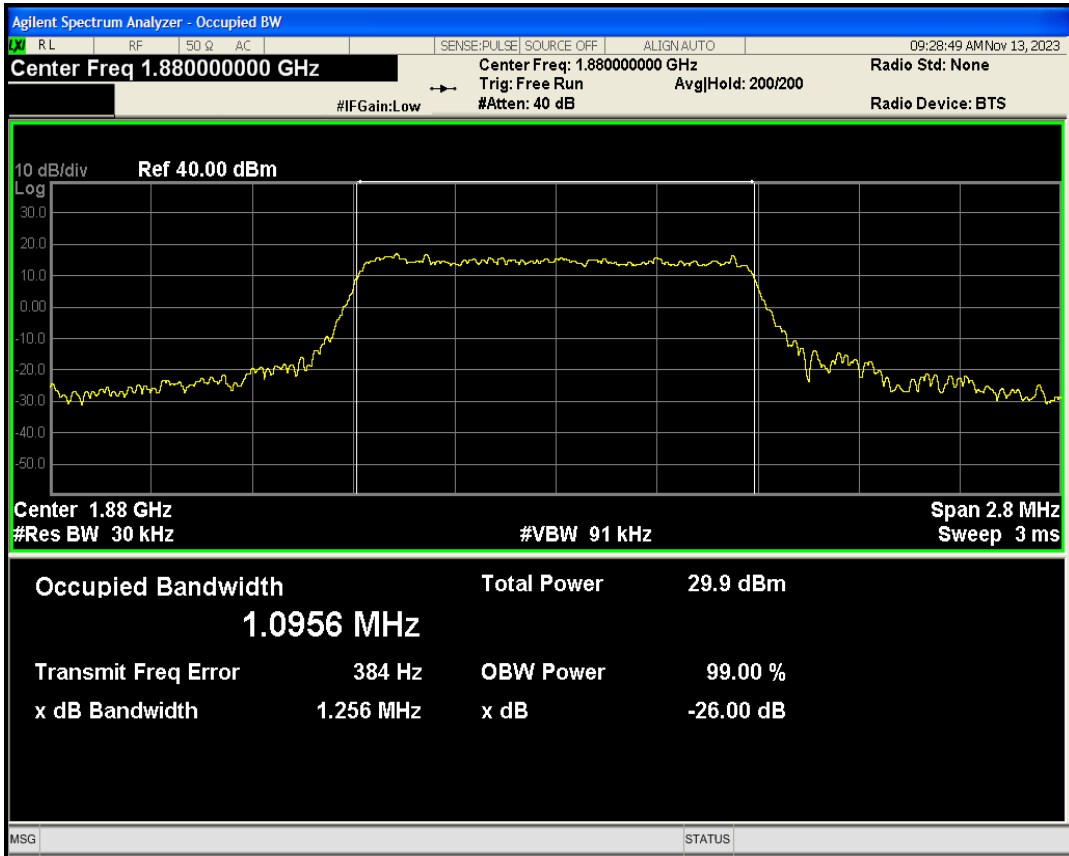
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



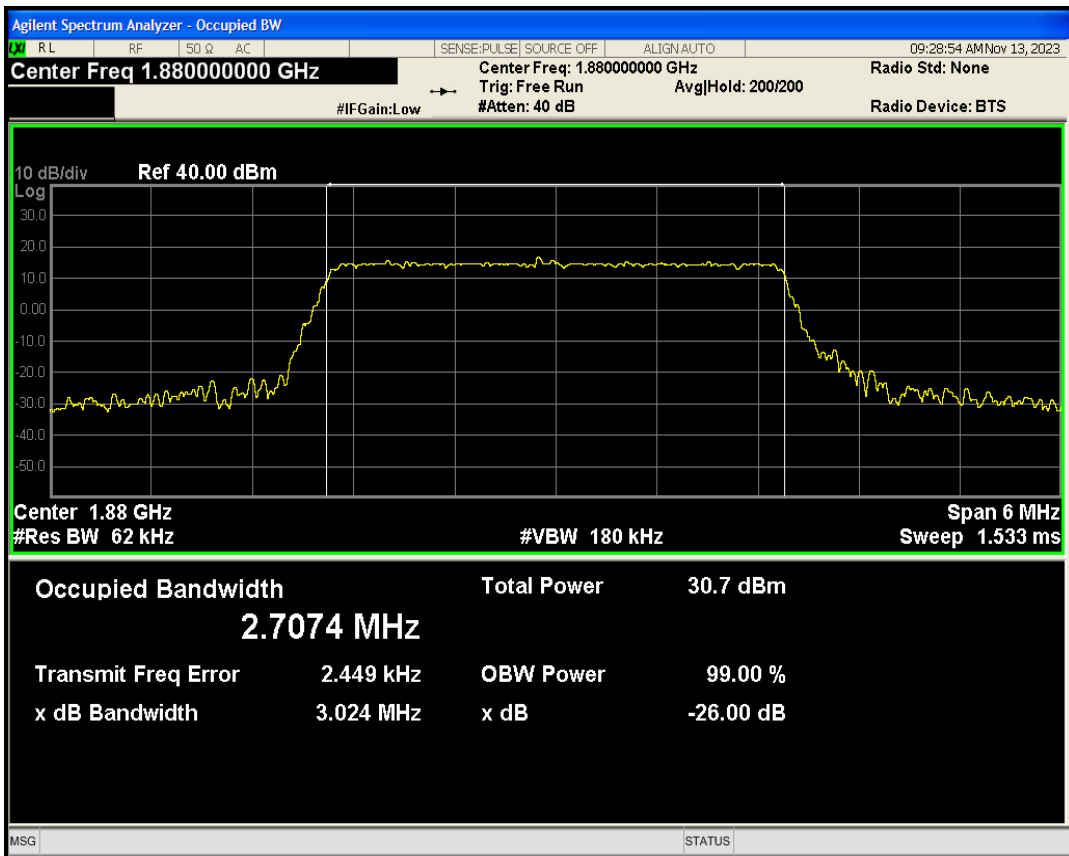
Band2 QAM16 BW=1.4MHz Channel=18900 RB Size=6 Position=#0



Report

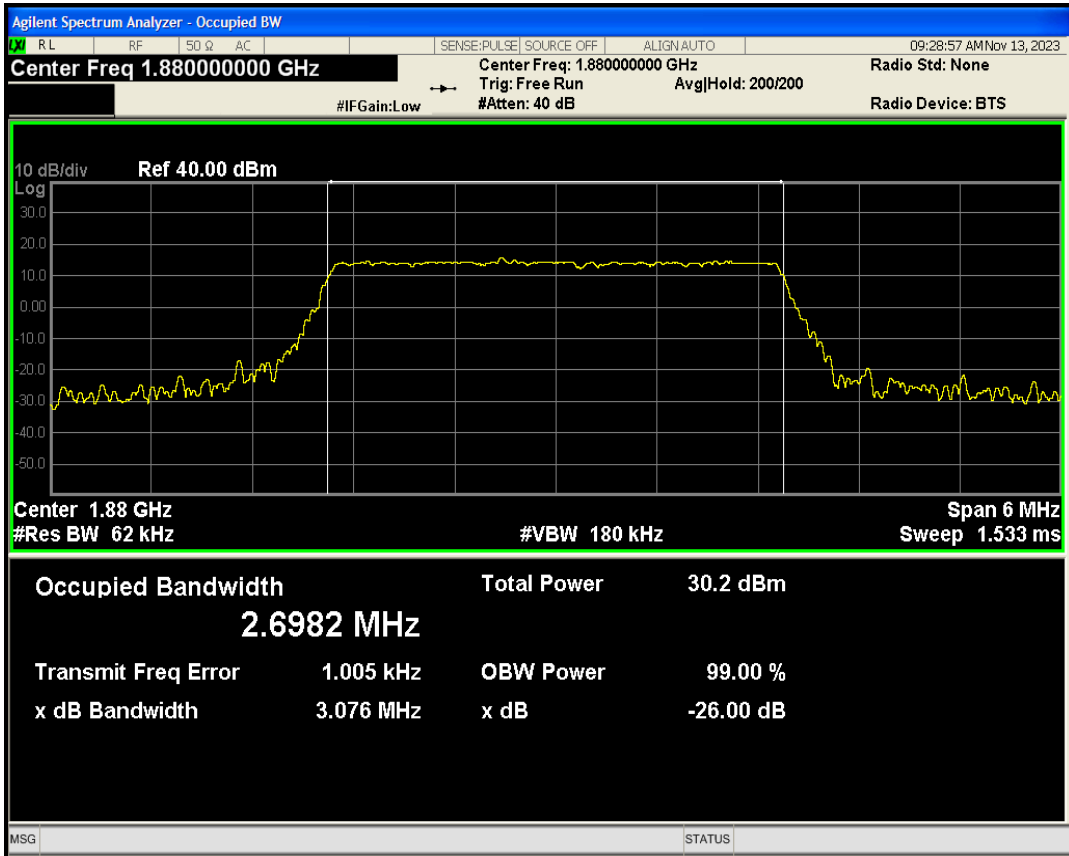


Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0

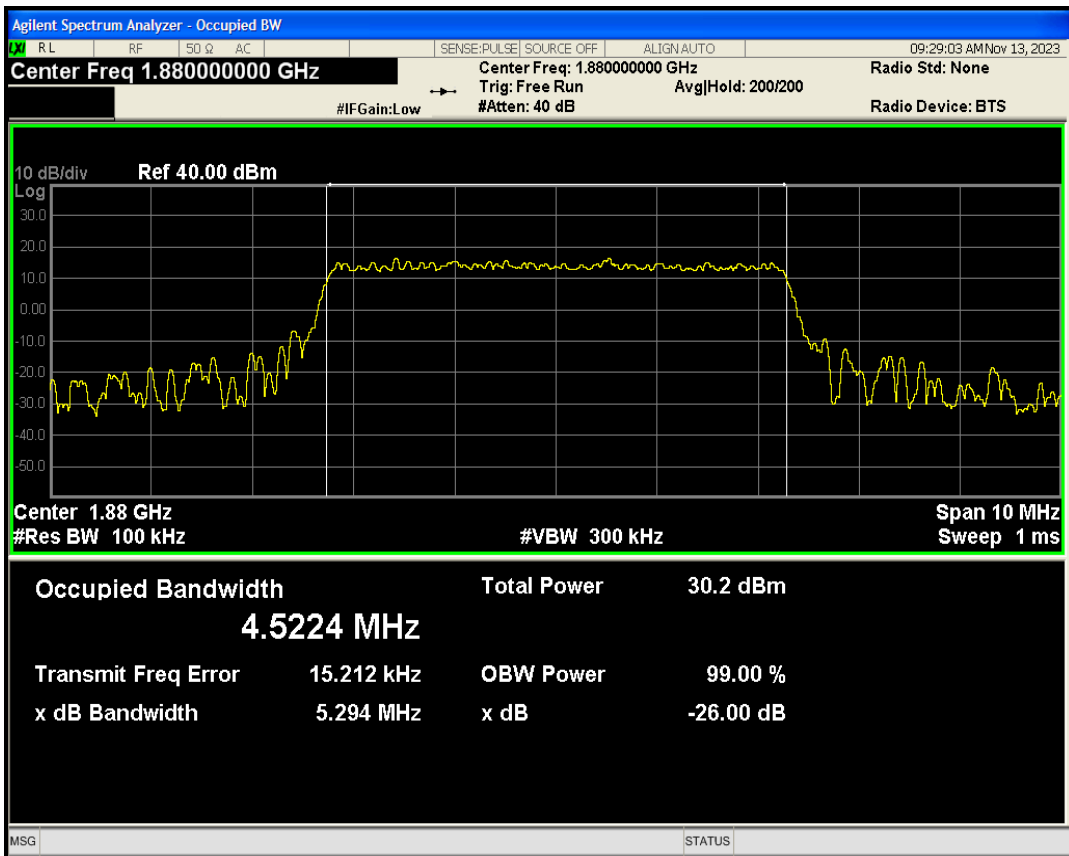


Band2 QAM16 BW=3MHz Channel=18900 RB Size=15 Position=#0

Report

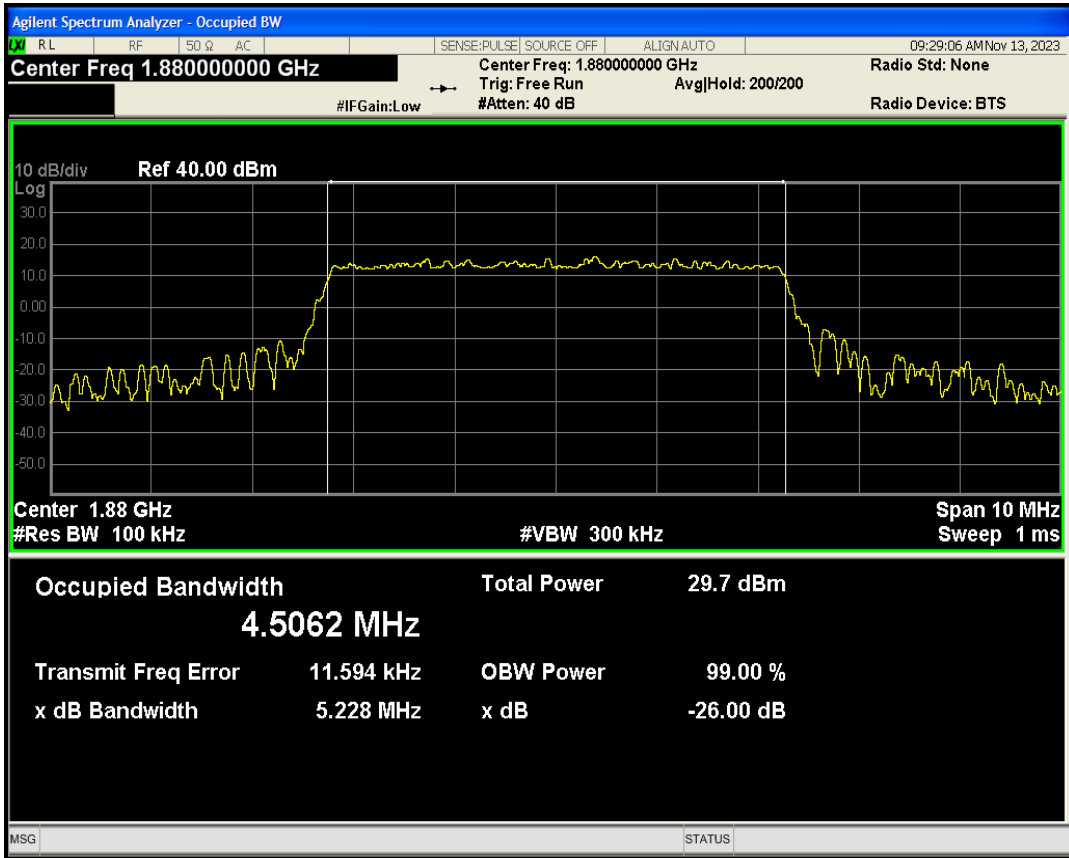


Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0

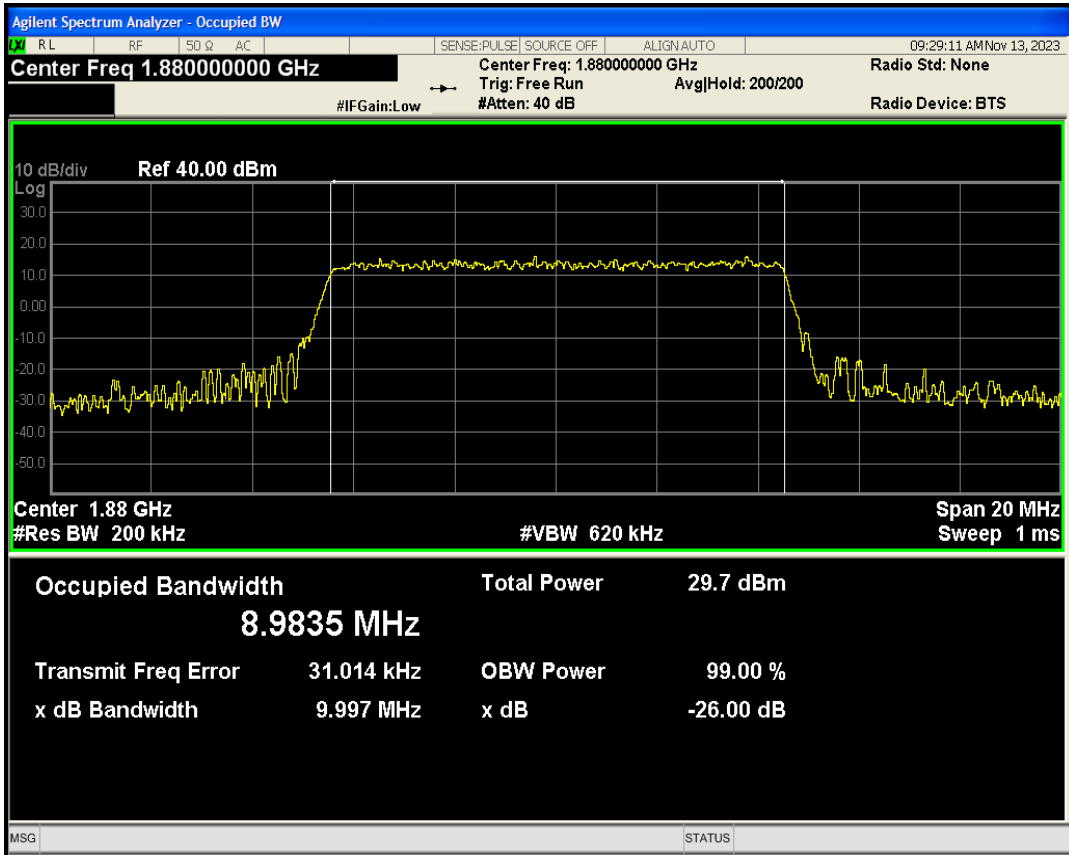


Band2 QAM16 BW=5MHz Channel=18900 RB Size=25 Position=#0

Report

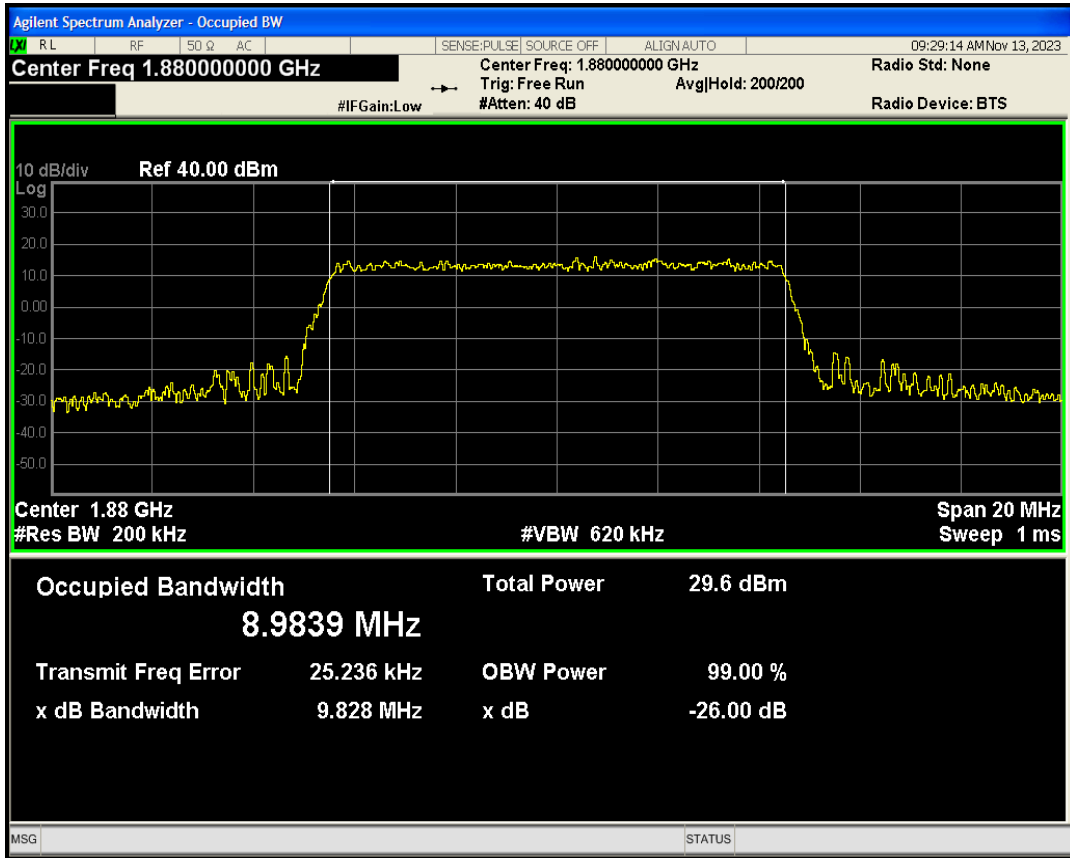


Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0

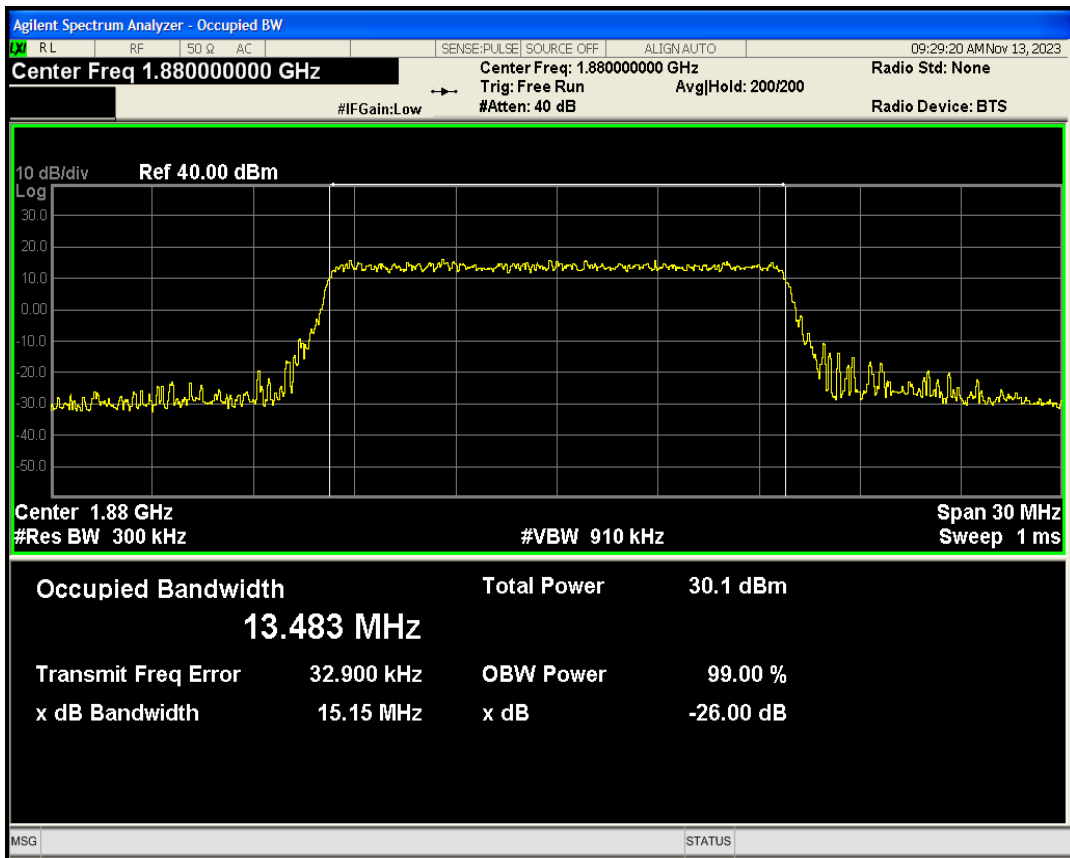


Band2 QAM16 BW=10MHz Channel=18900 RB Size=50 Position=#0

Report

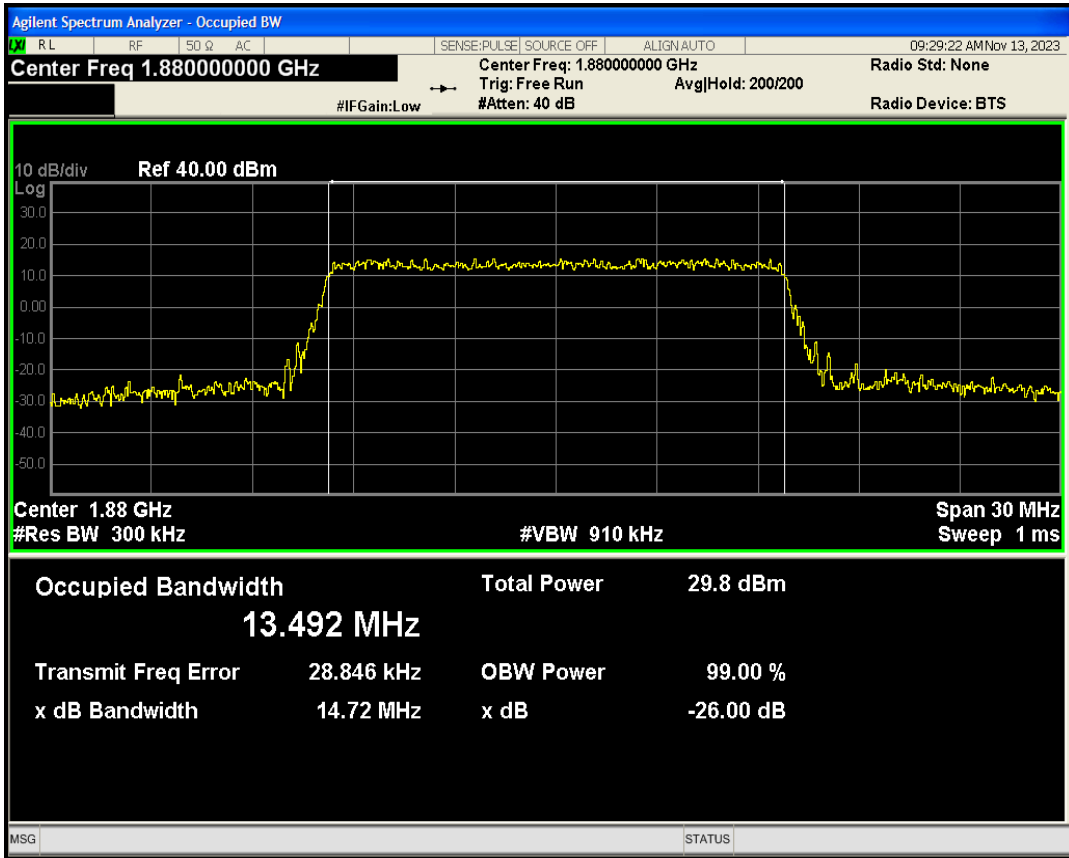


Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0

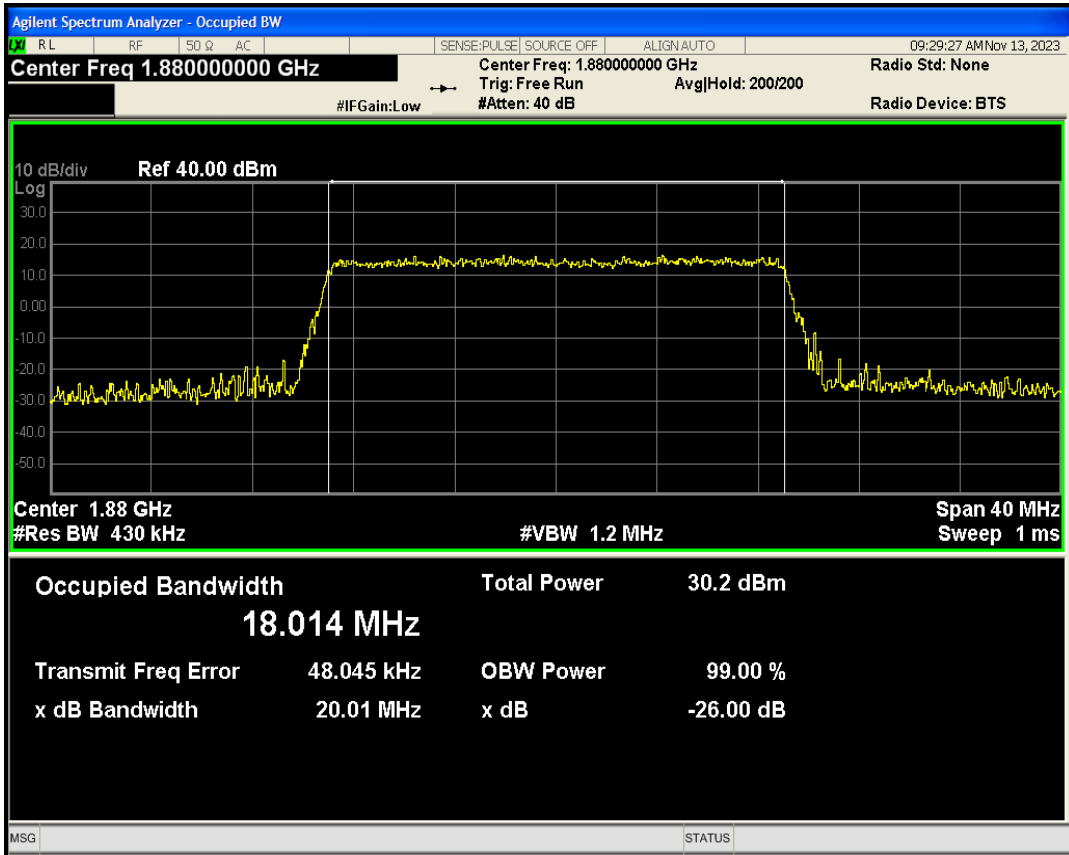


Band2 QAM16 BW=15MHz Channel=18900 RB Size=75 Position=#0

Report

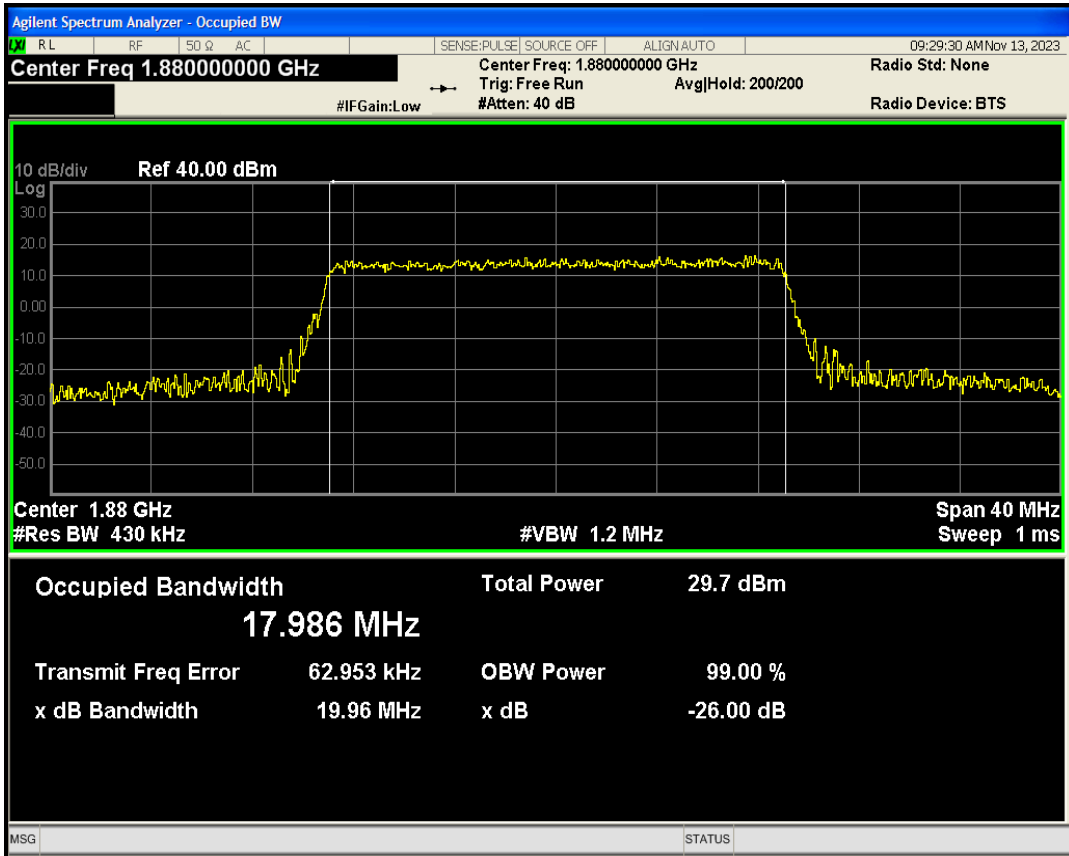


Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0

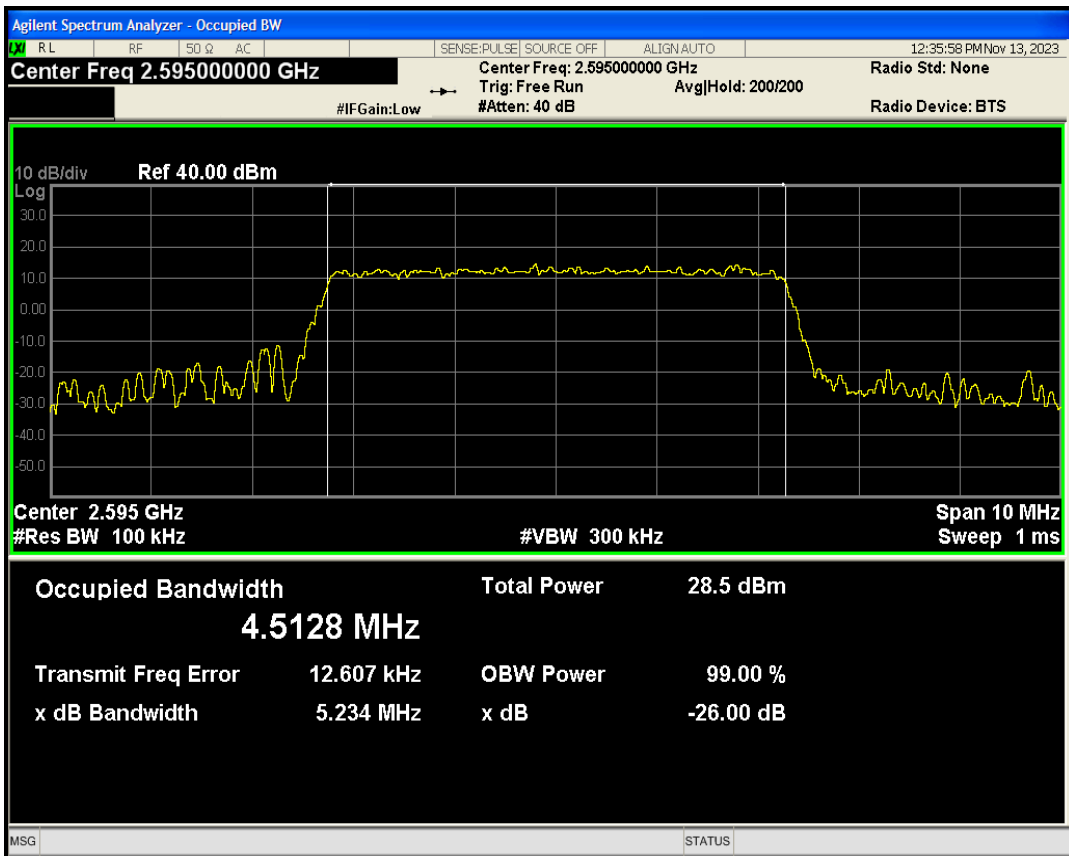


Band2 QAM16 BW=20MHz Channel=18900 RB Size=100 Position=#0

Report

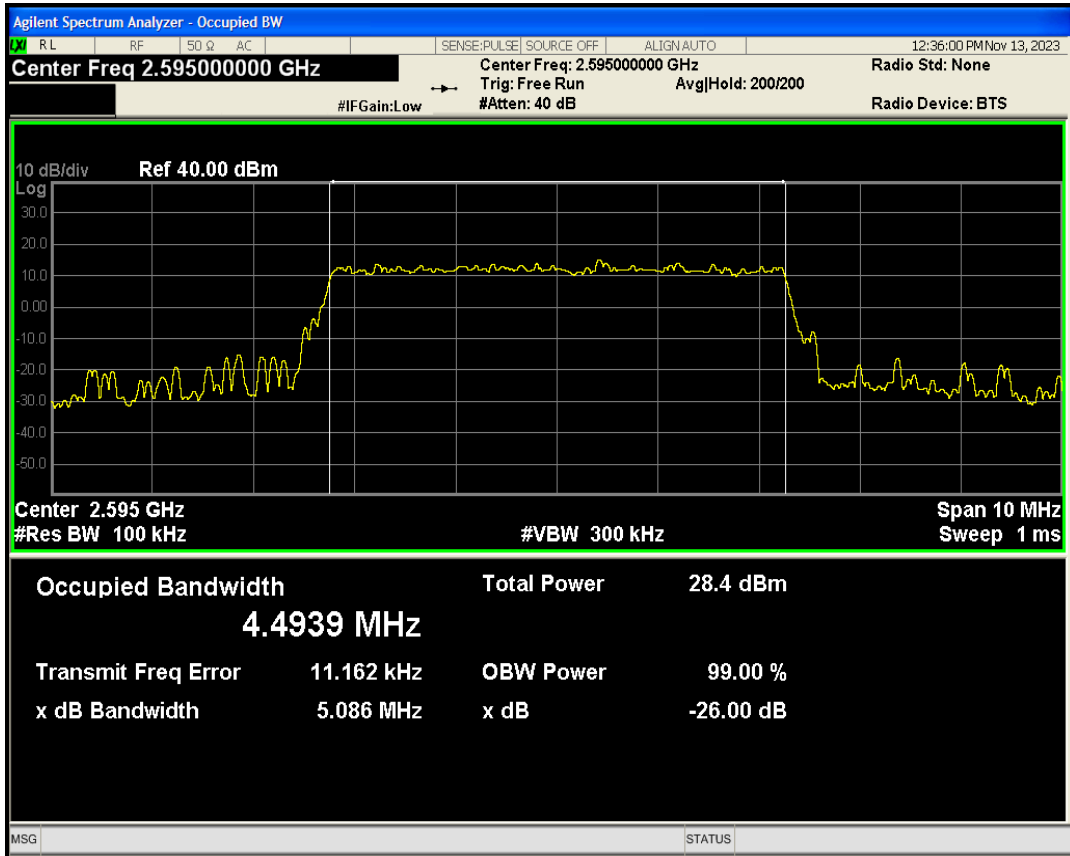


Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0

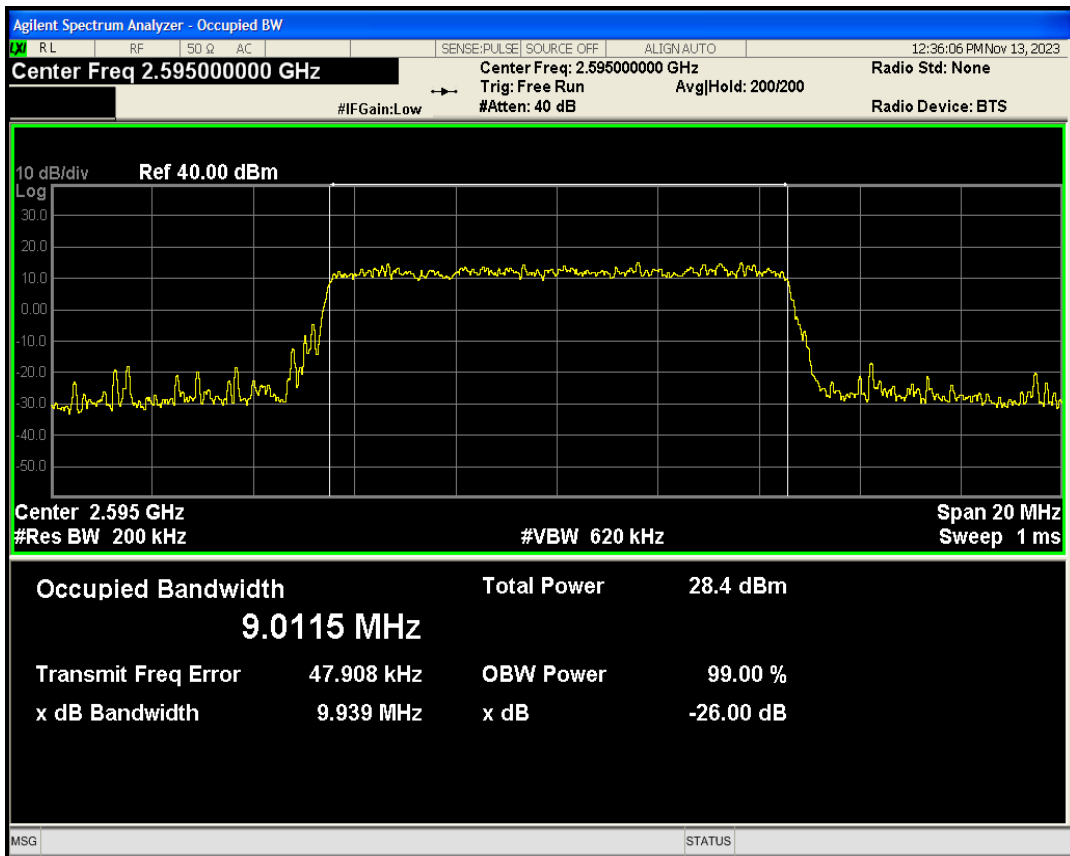


Band38 QAM16 BW=5MHz Channel=38000 RB Size=25 Position=#0

Report

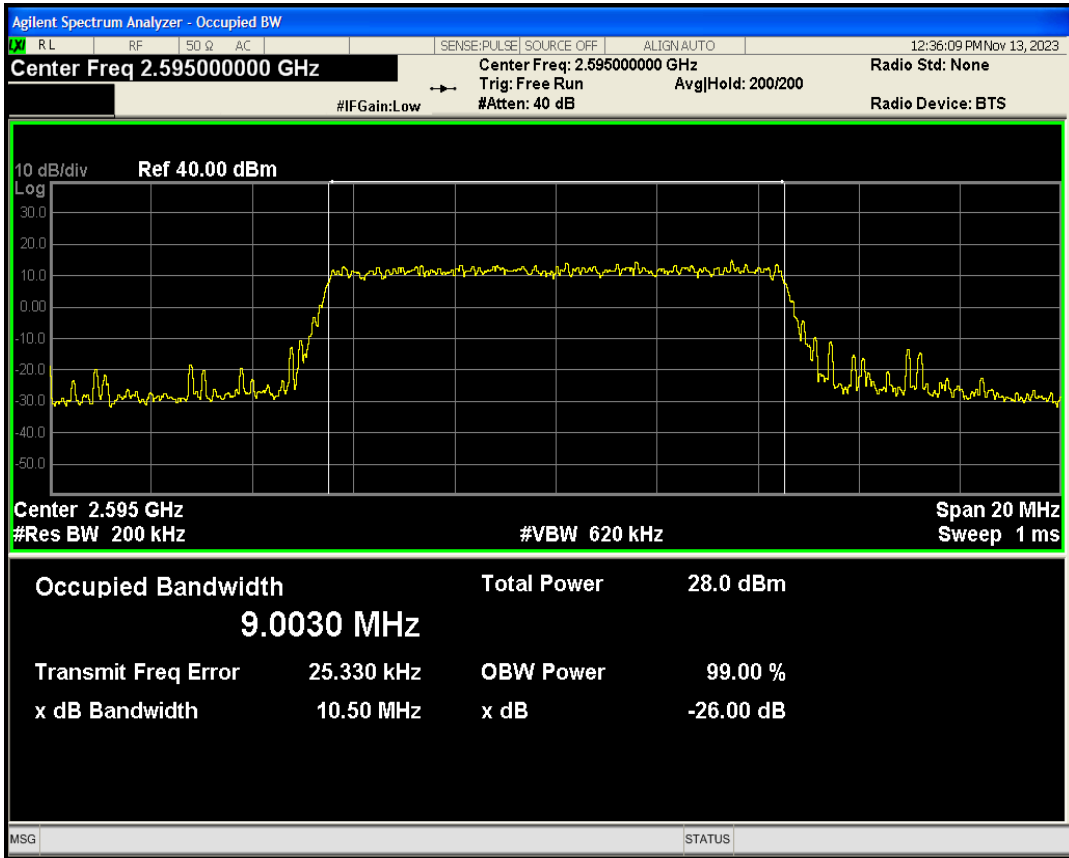


Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0

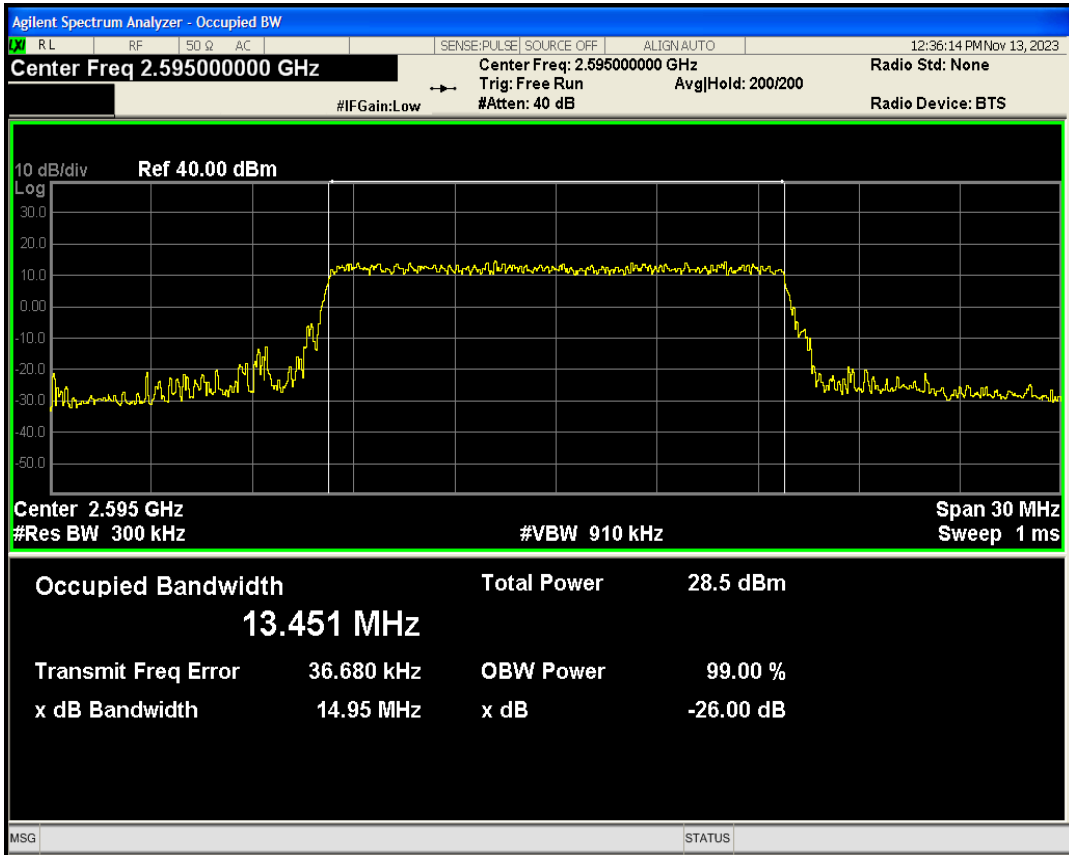


Band38 QAM16 BW=10MHz Channel=38000 RB Size=50 Position=#0

Report



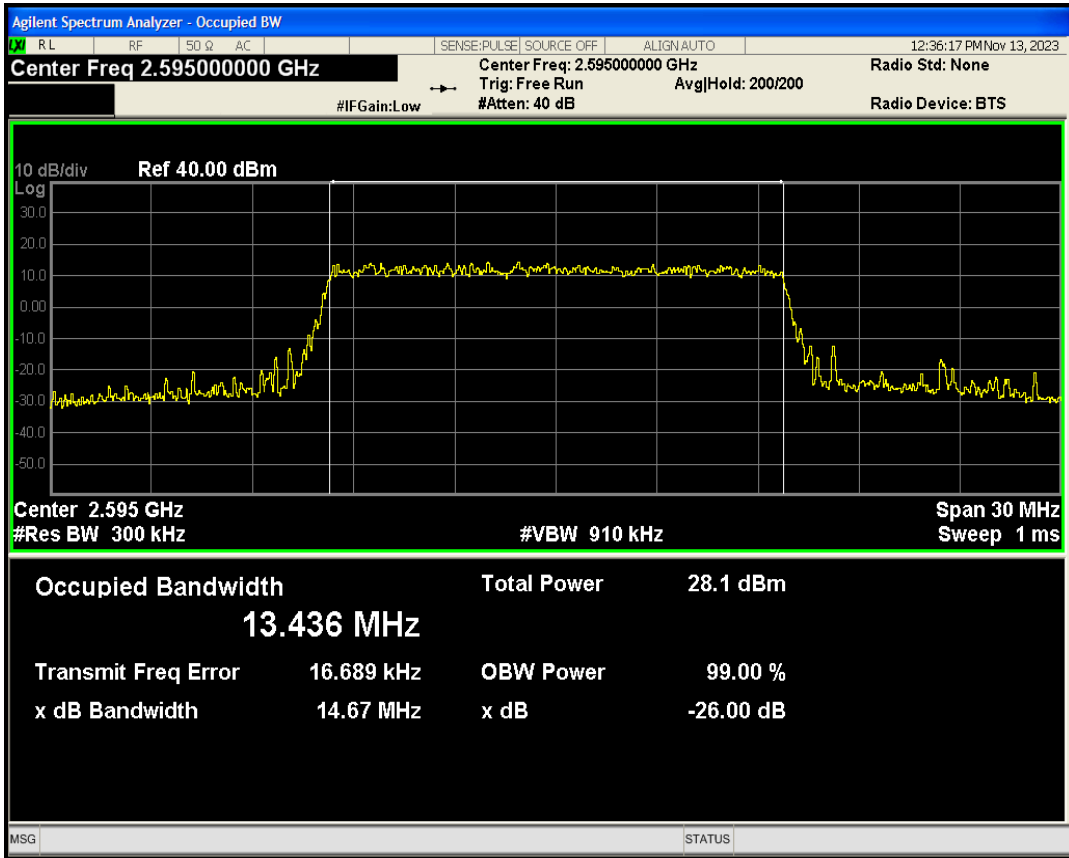
Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0



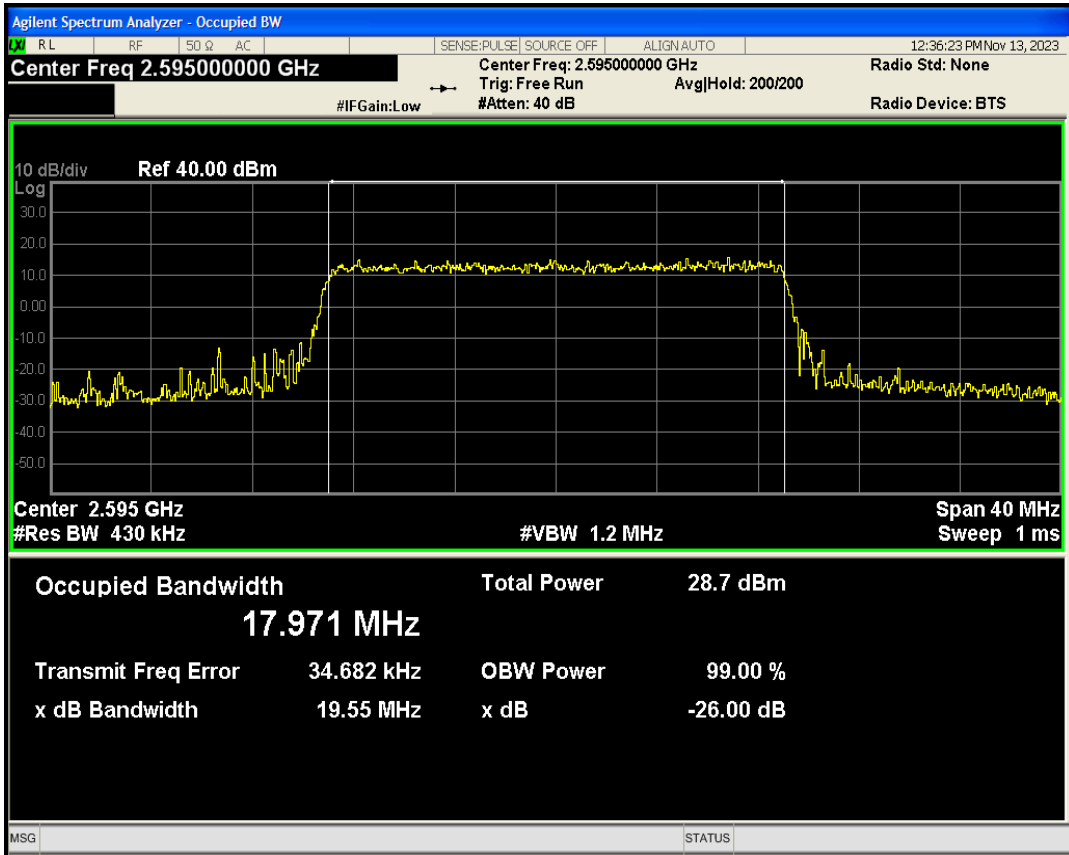
Band38 QAM16 BW=15MHz Channel=38000 RB Size=75 Position=#0



Report

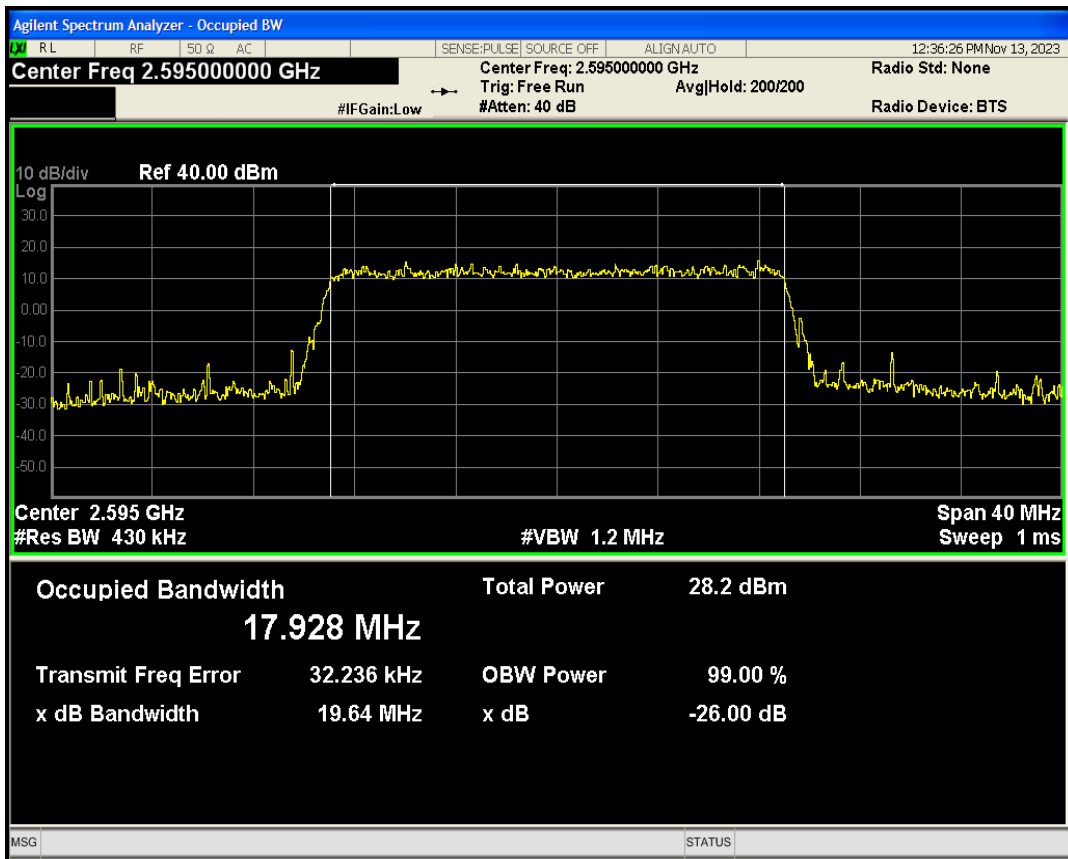


Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0

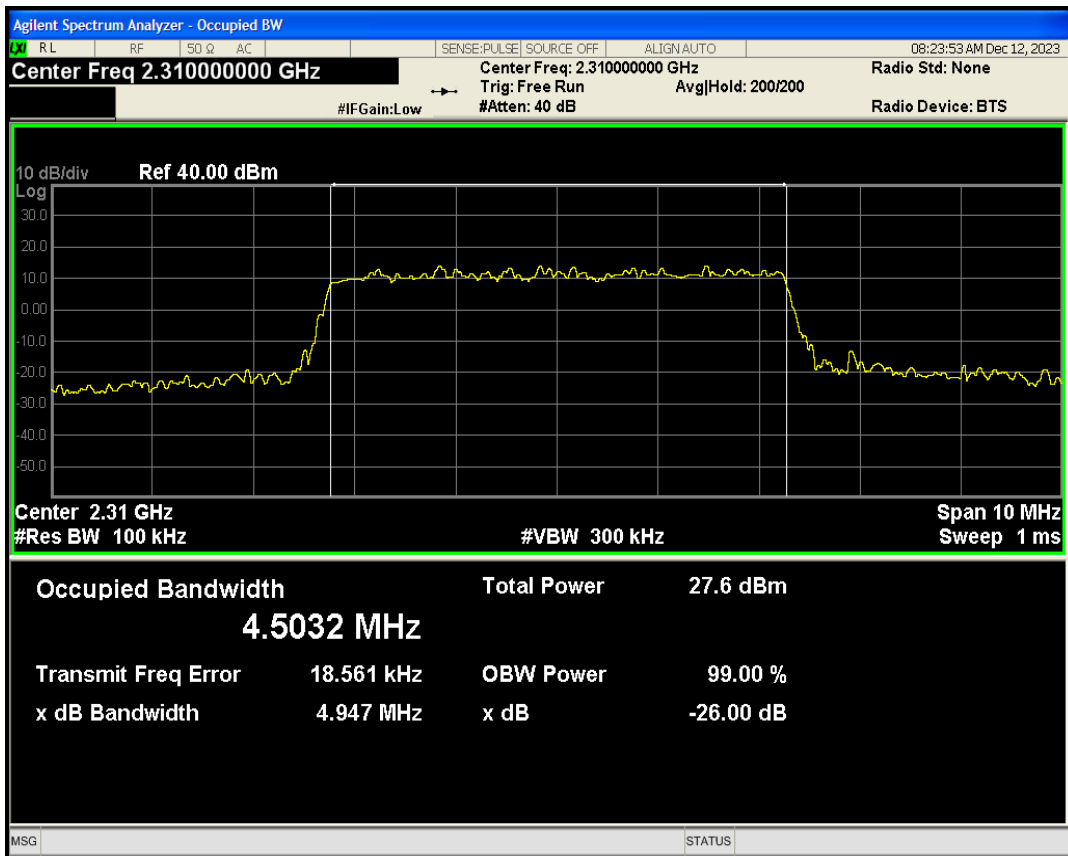


Band38 QAM16 BW=20MHz Channel=38000 RB Size=100 Position=#0

Report

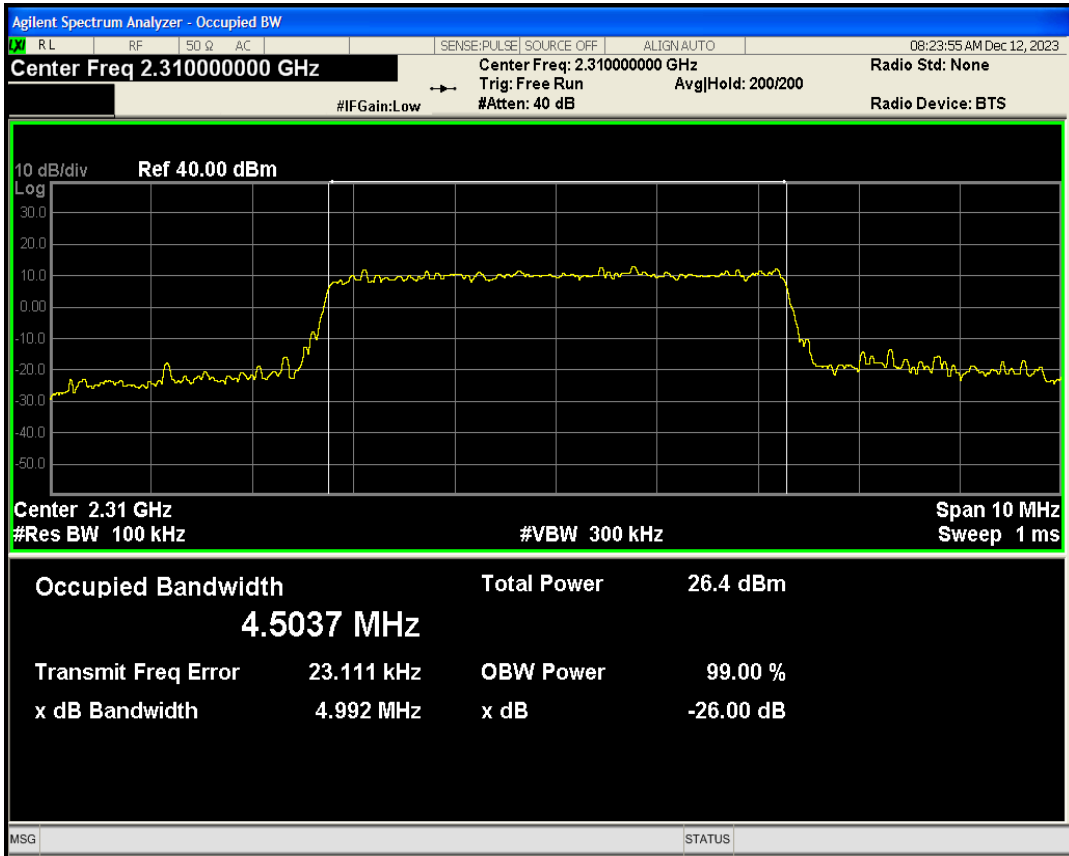


Band40a QPSK BW=5MHz Channel=38750 RB Size=25 Position=#0

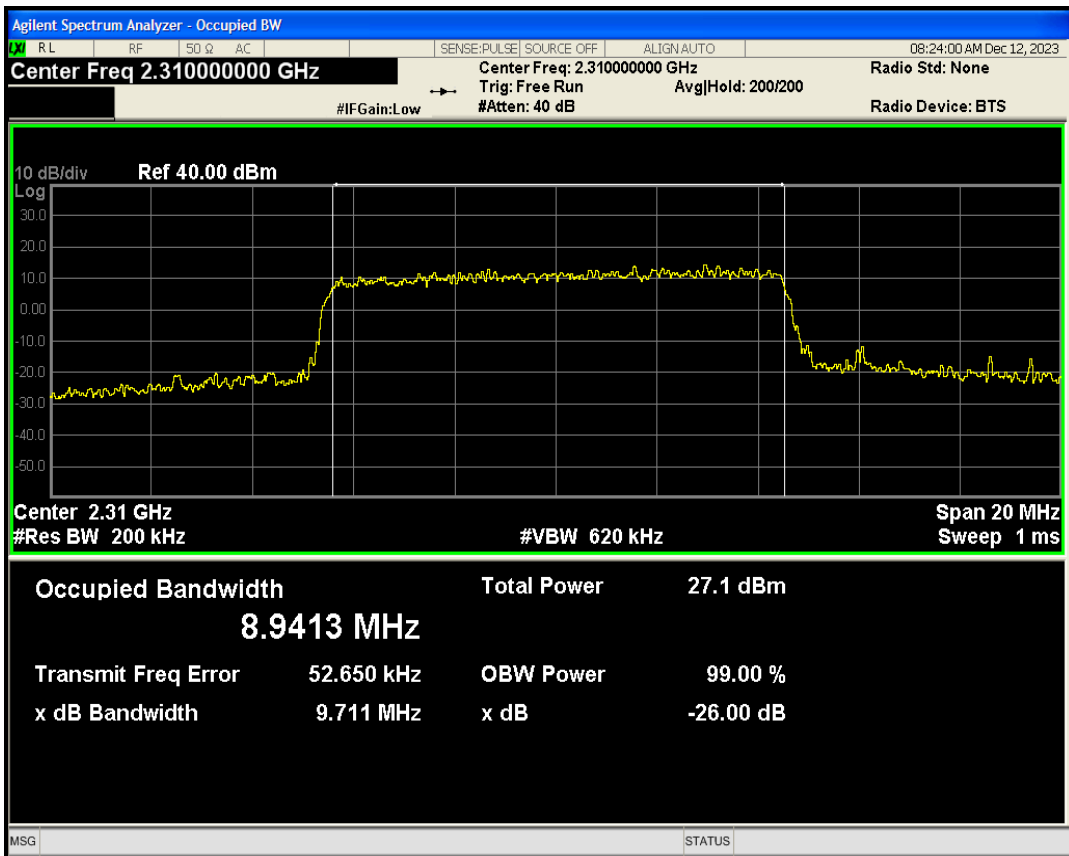


Band40a QAM16 BW=5MHz Channel=38750 RB Size=25 Position=#0

Report

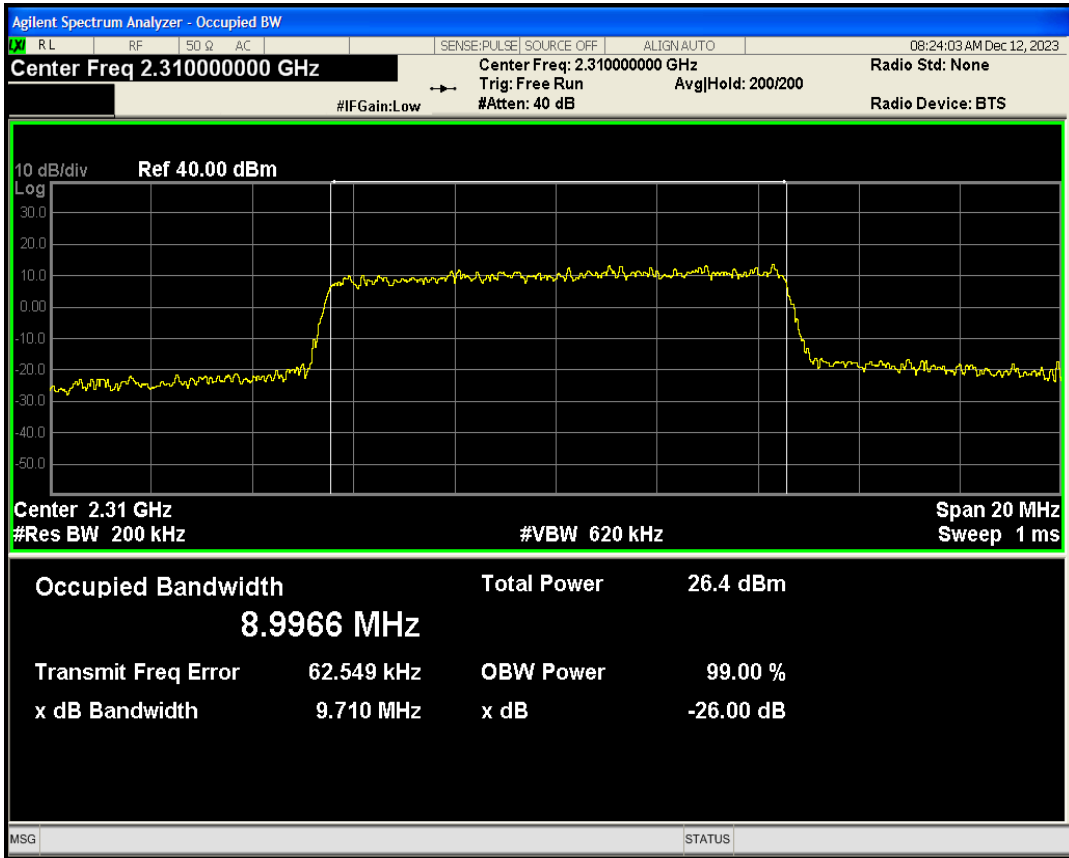


Band40a QPSK BW=10MHz Channel=38750 RB Size=50 Position=#0

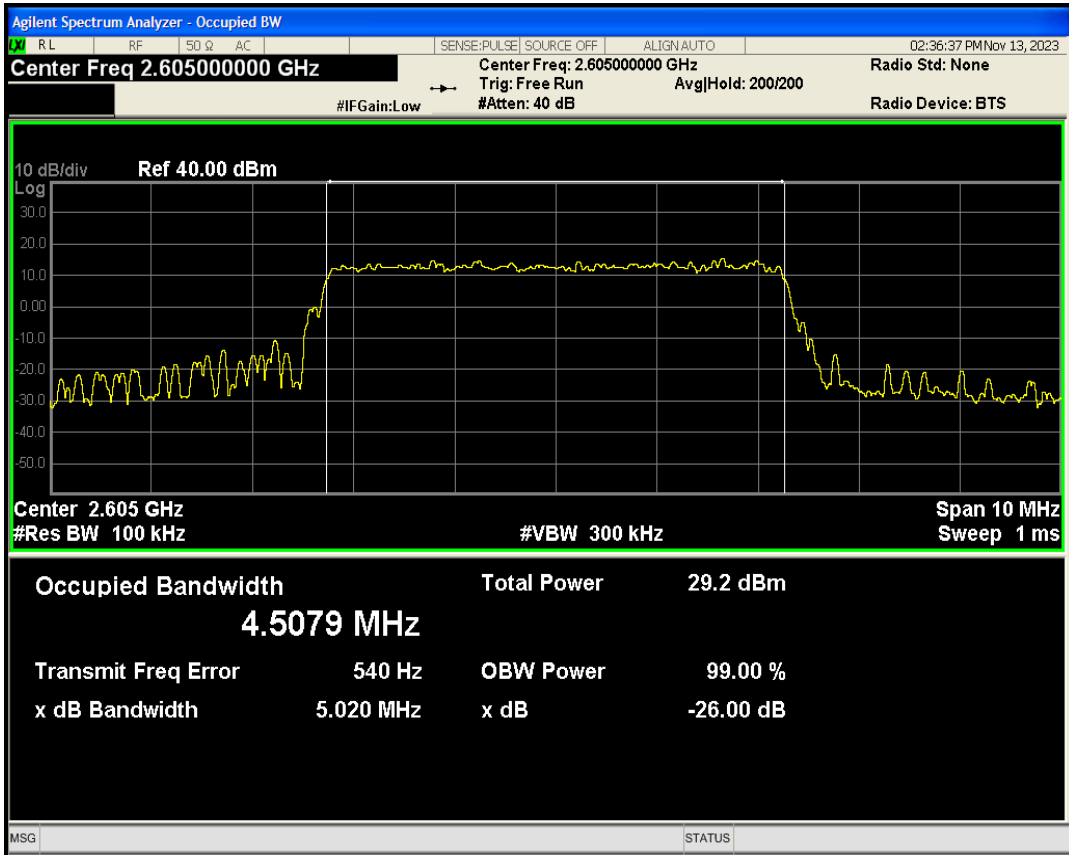


Band40a QAM16 BW=10MHz Channel=38750 RB Size=50 Position=#0

Report

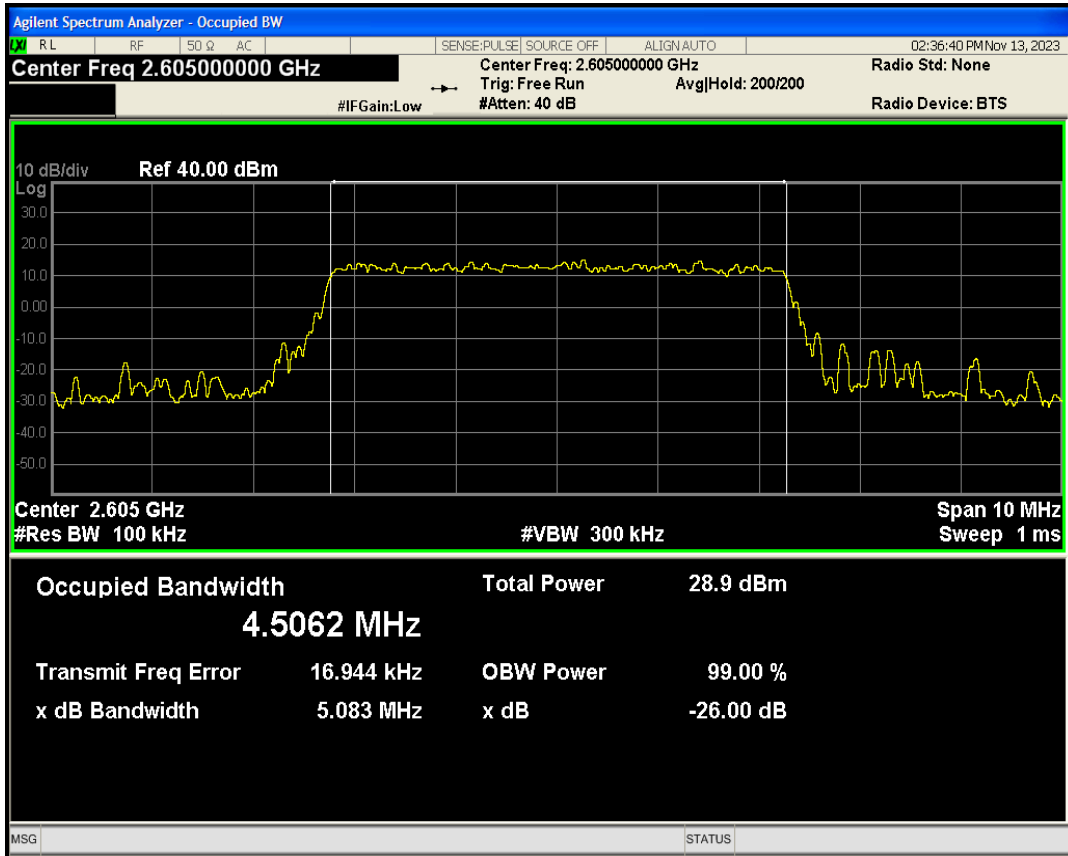


Band41(2555-2655) QPSK BW=5MHz Channel=40740 RB Size=25 Position=#0

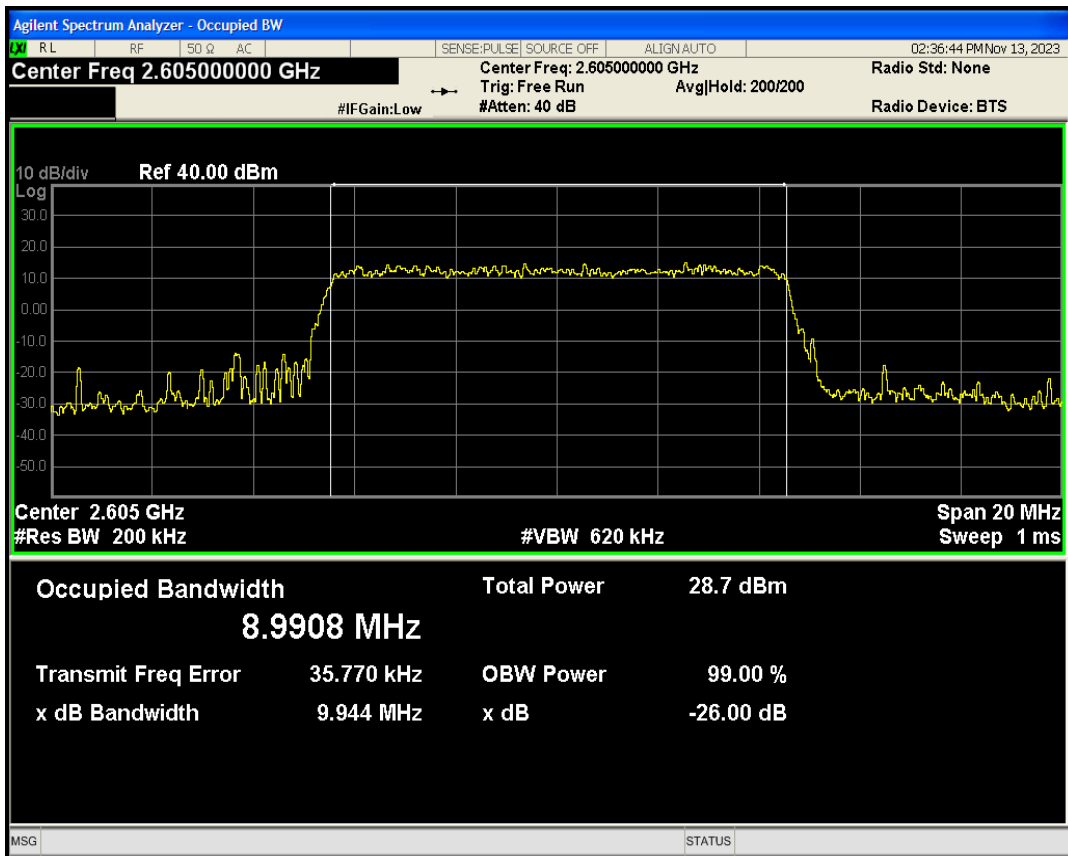


Band41(2555-2655) QAM16 BW=5MHz Channel=40740 RB Size=25 Position=#0

Report

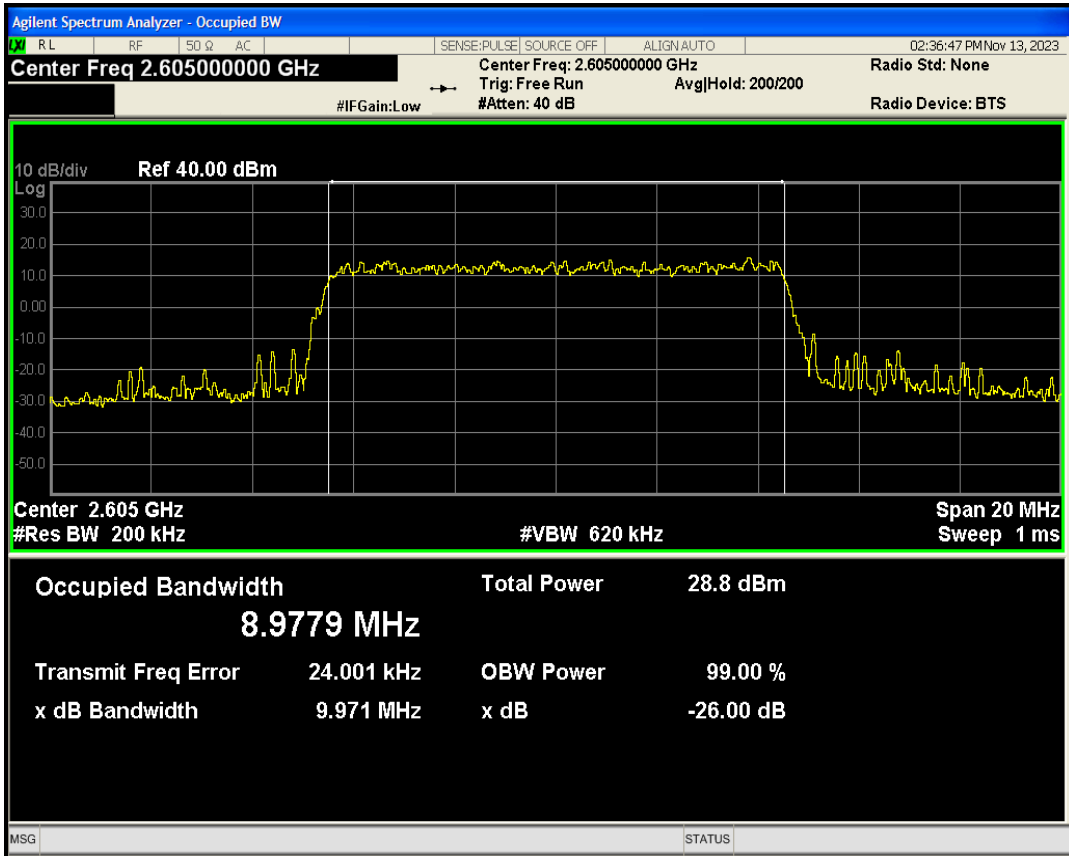


Band41(2555-2655) QPSK BW=10MHz Channel=40740 RB Size=50 Position=#0

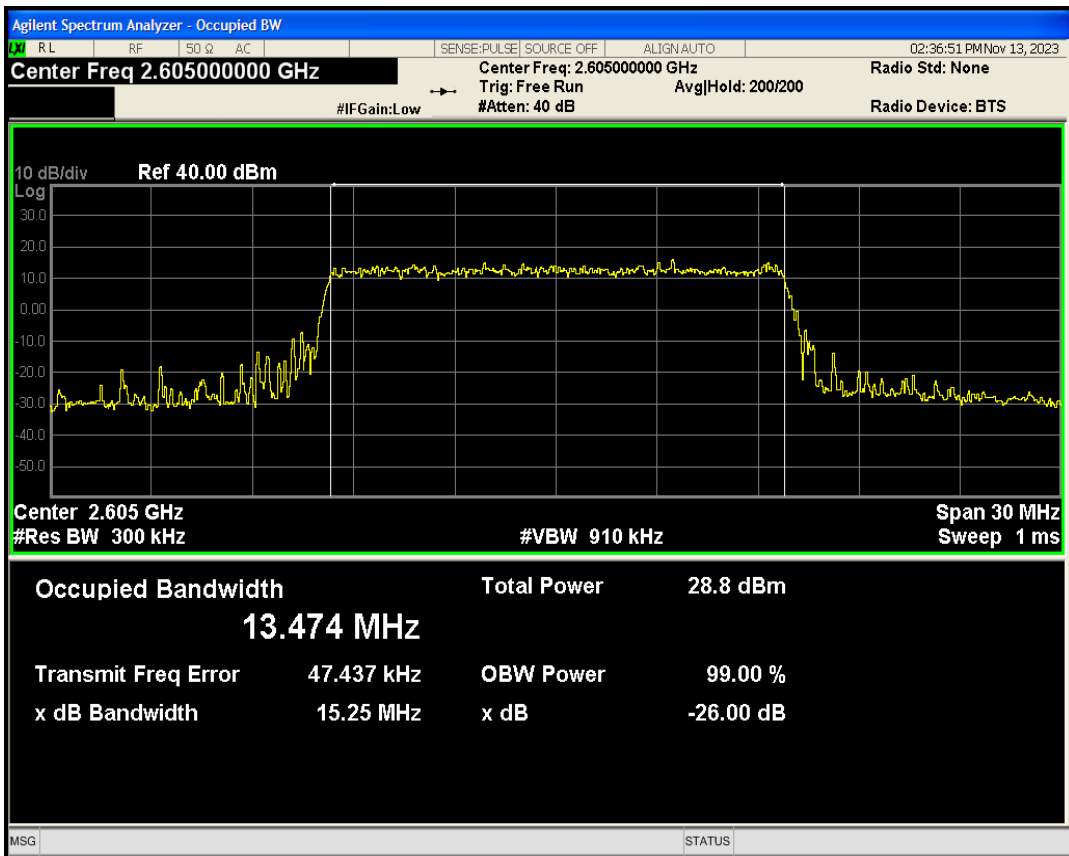


Band41(2555-2655) QAM16 BW=10MHz Channel=40740 RB Size=50 Position=#0

Report

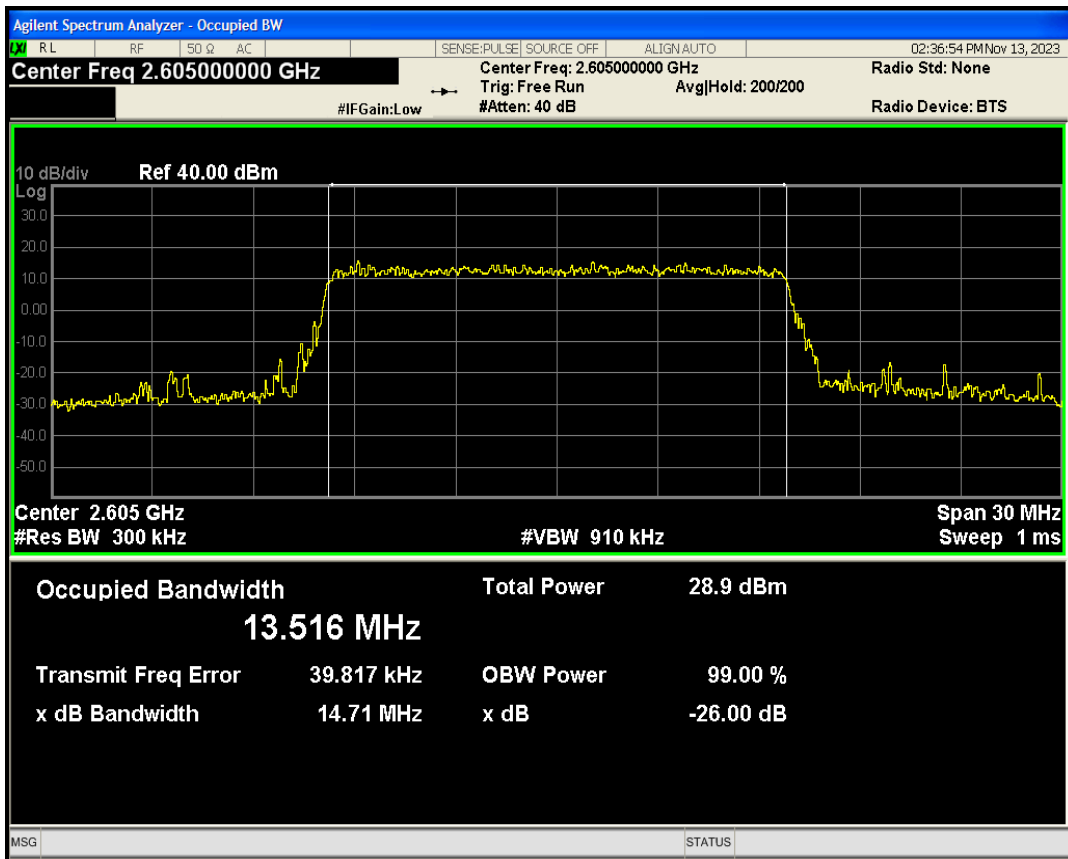


Band41(2555-2655) QPSK BW=15MHz Channel=40740 RB Size=75 Position=#0

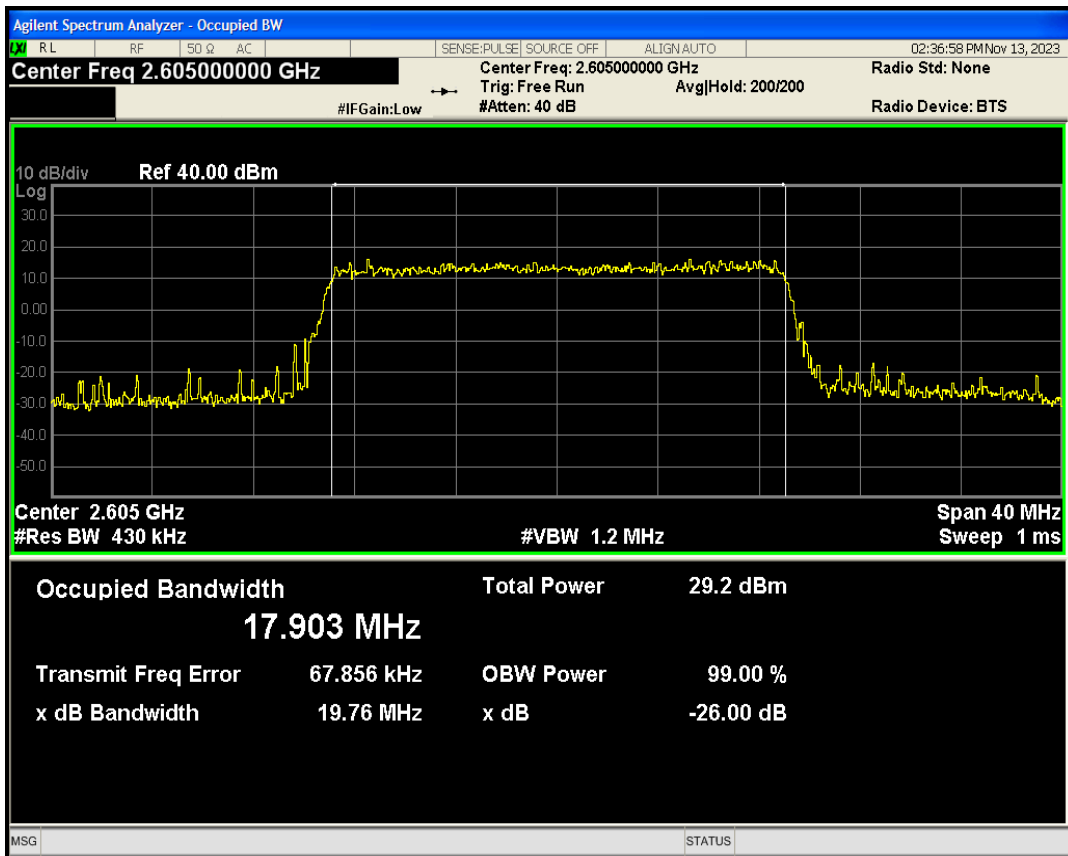


Band41(2555-2655) QAM16 BW=15MHz Channel=40740 RB Size=75 Position=#0

Report

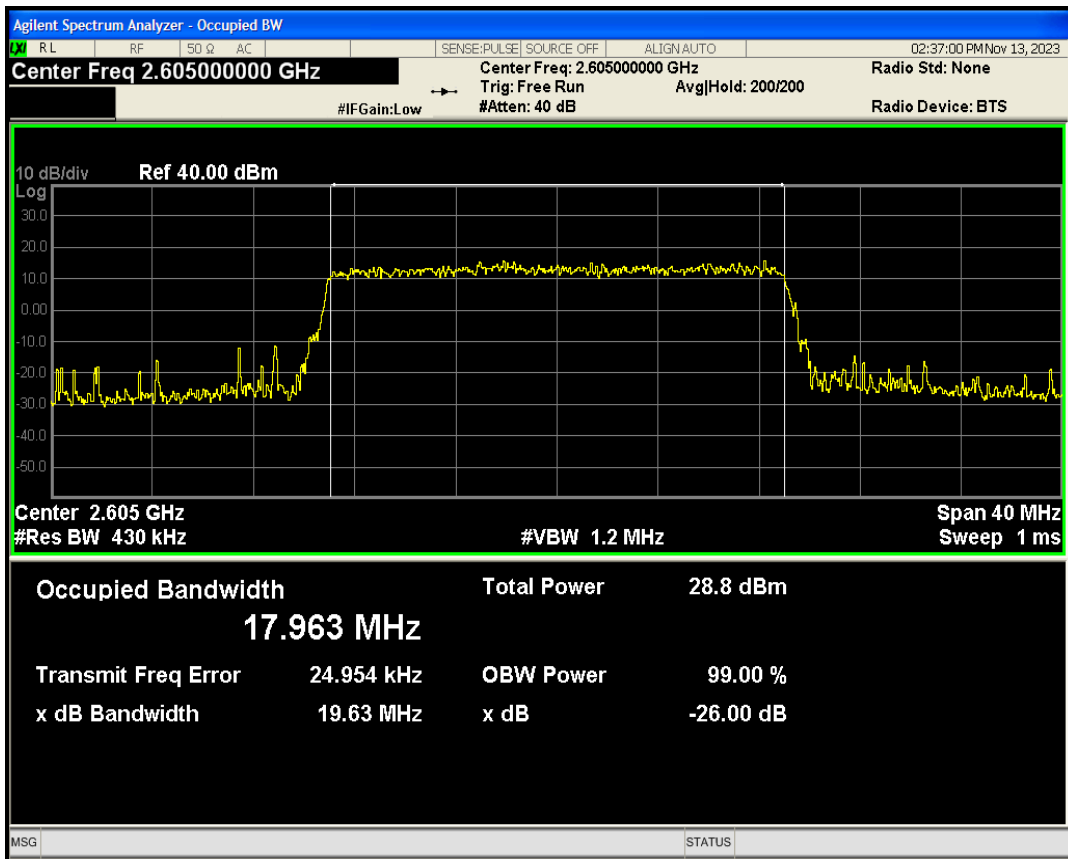


Band41(2555-2655) QPSK BW=20MHz Channel=40740 RB Size=100 Position=#0

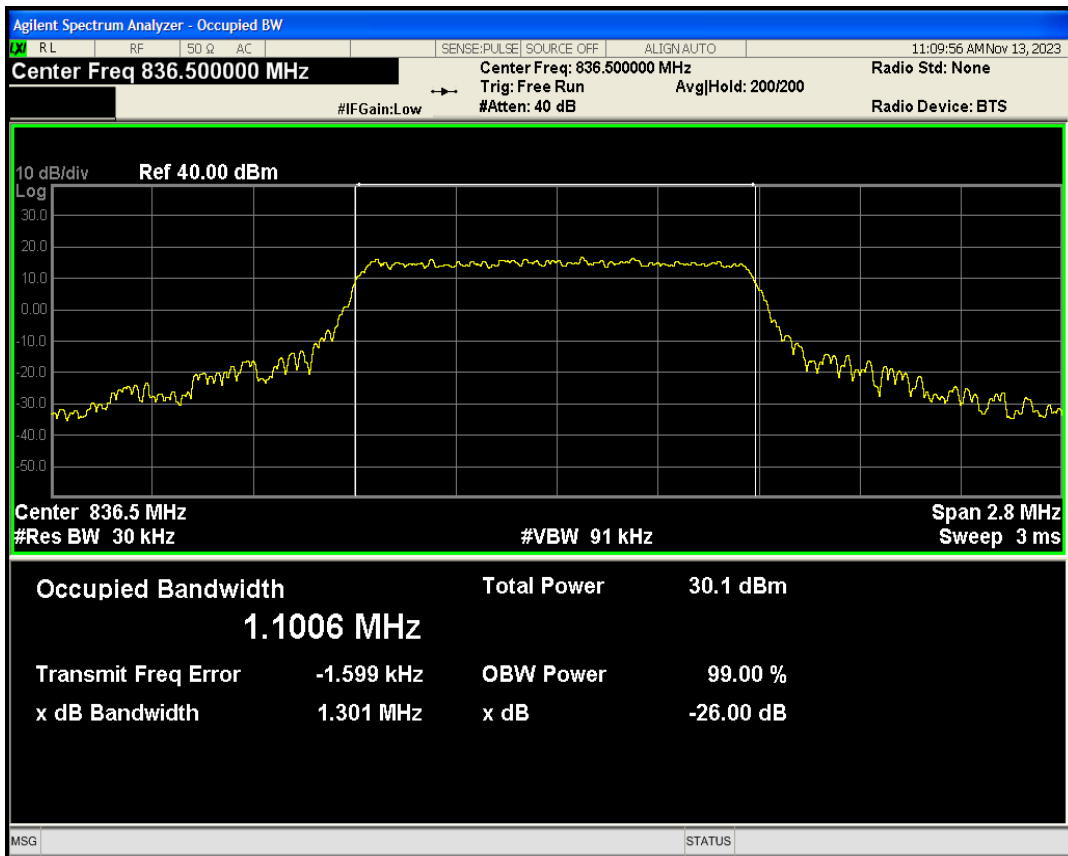


Band41(2555-2655) QAM16 BW=20MHz Channel=40740 RB Size=100 Position=#0

Report



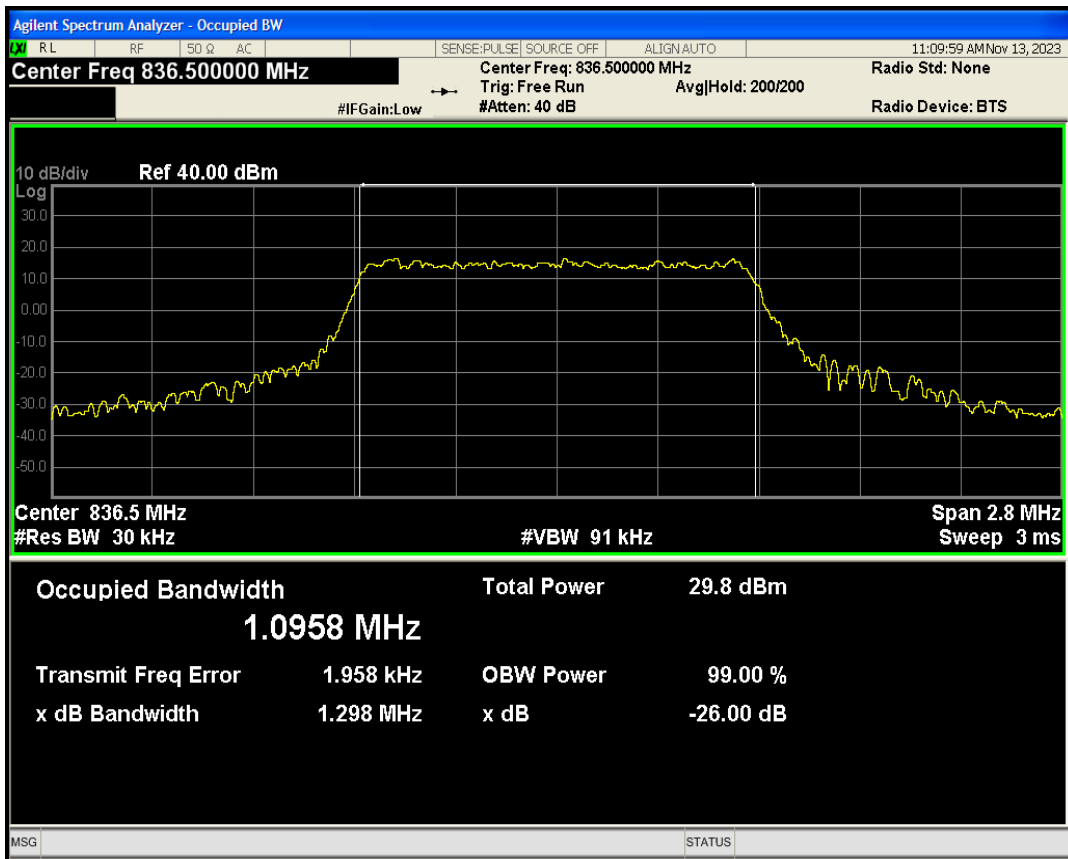
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



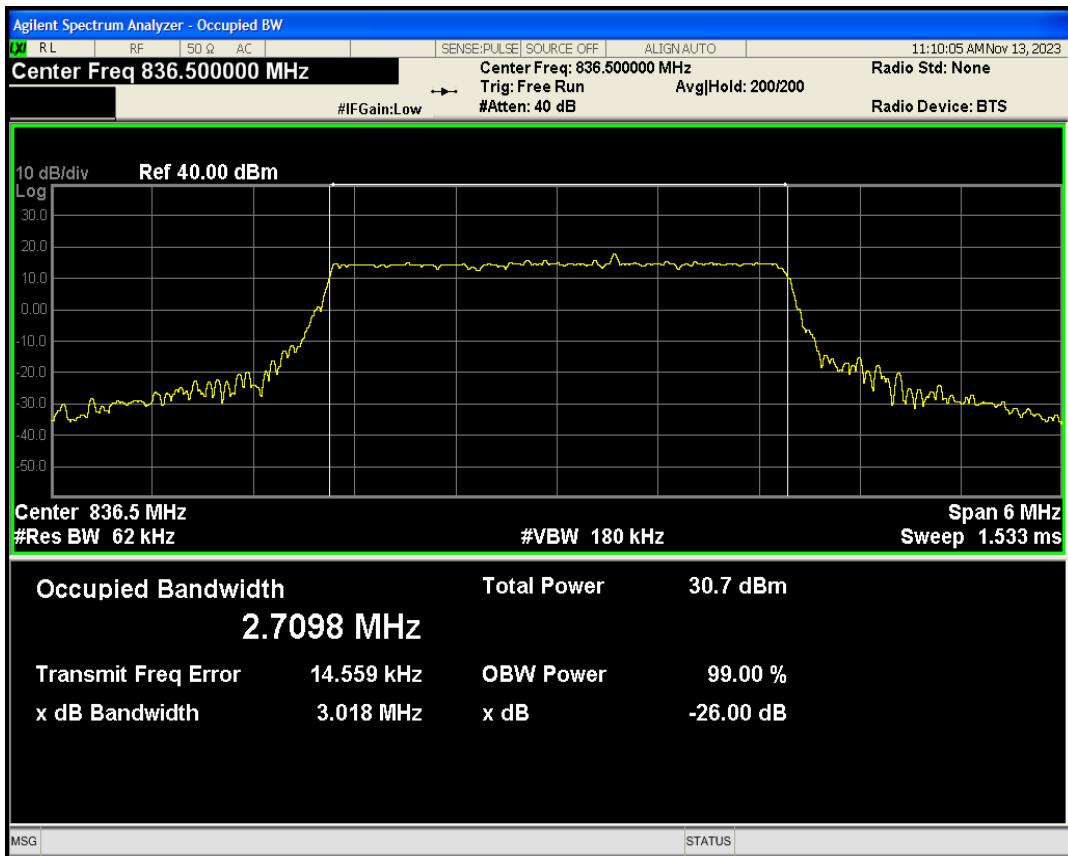
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=6 Position=#0



Report

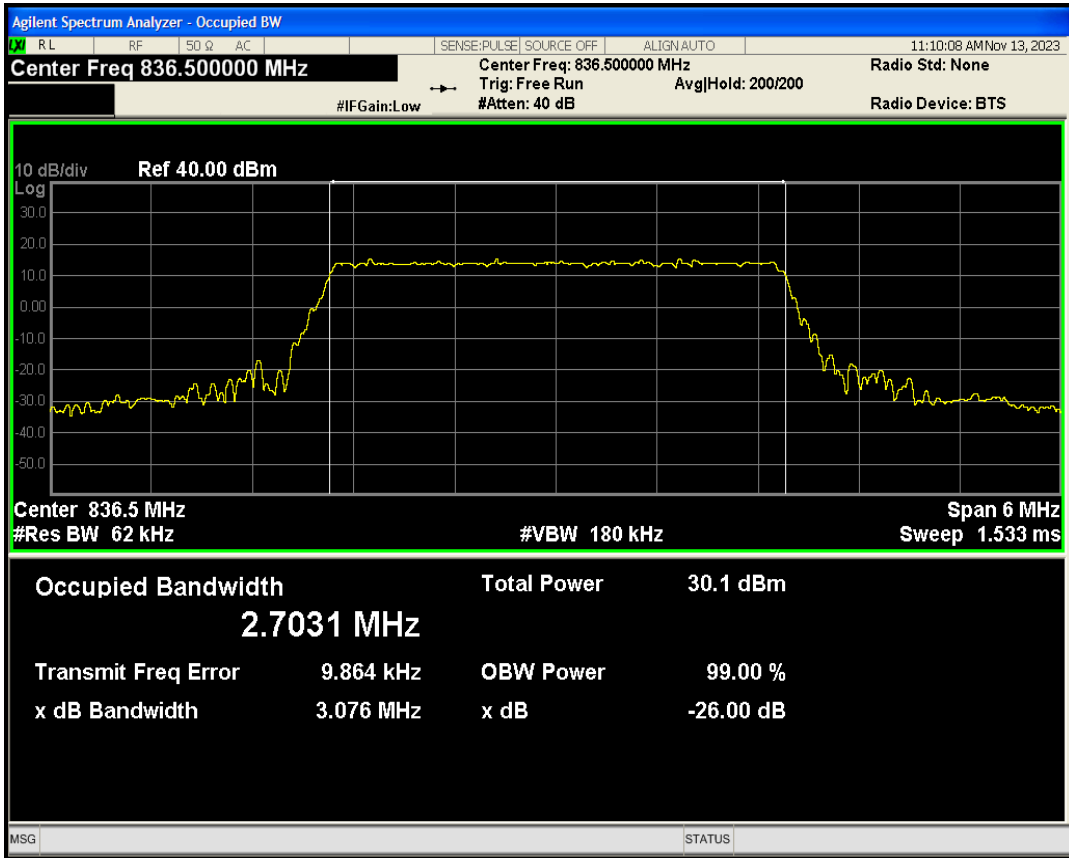


Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0

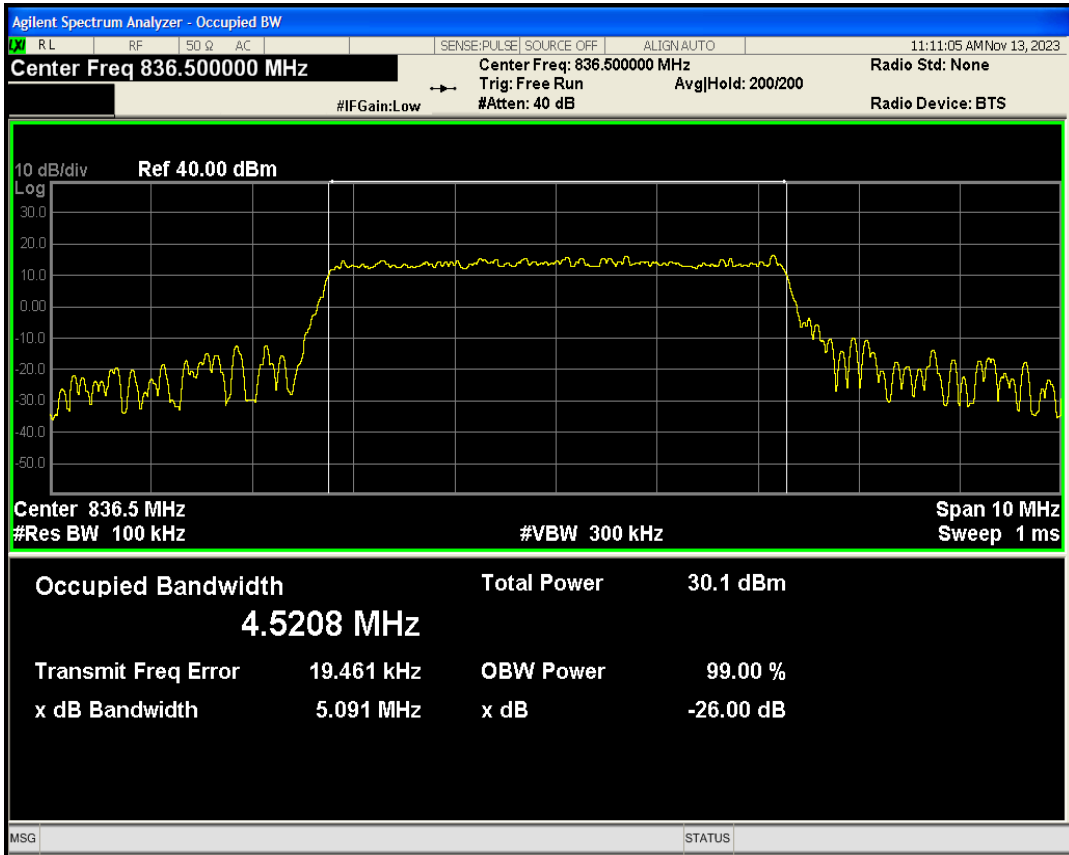


Band5 QAM16 BW=3MHz Channel=20525 RB Size=15 Position=#0

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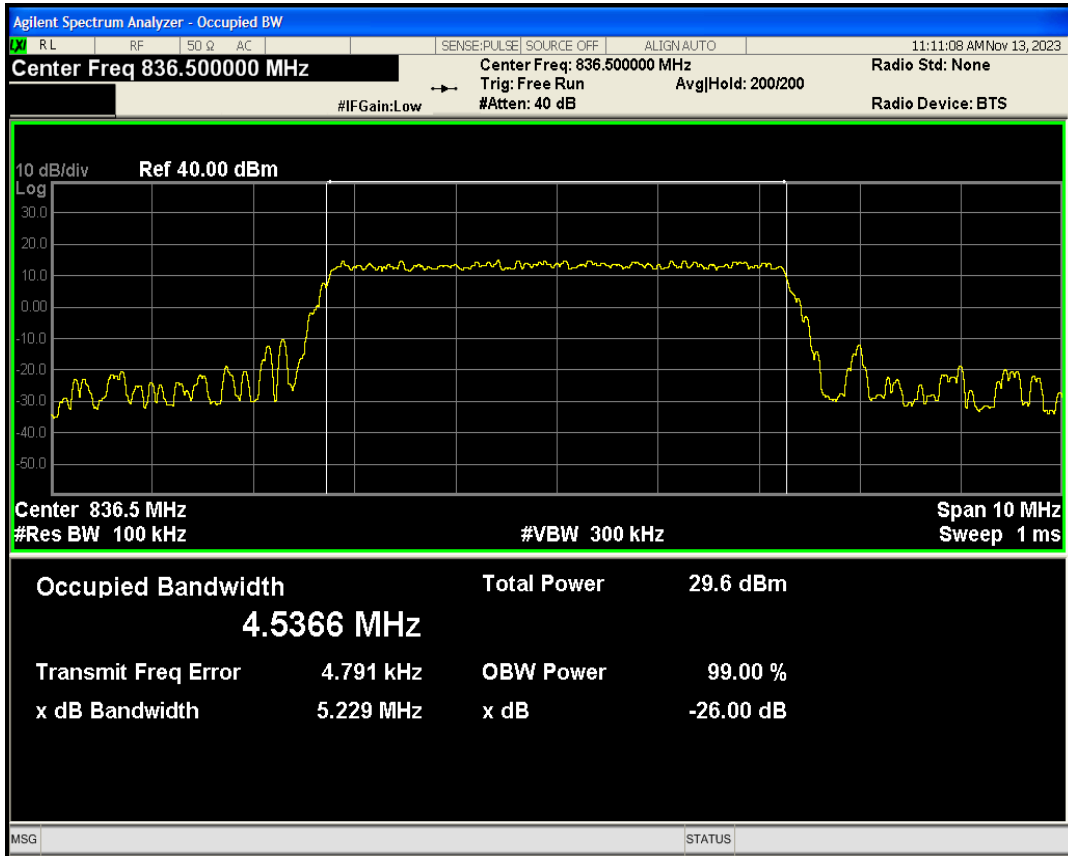


Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

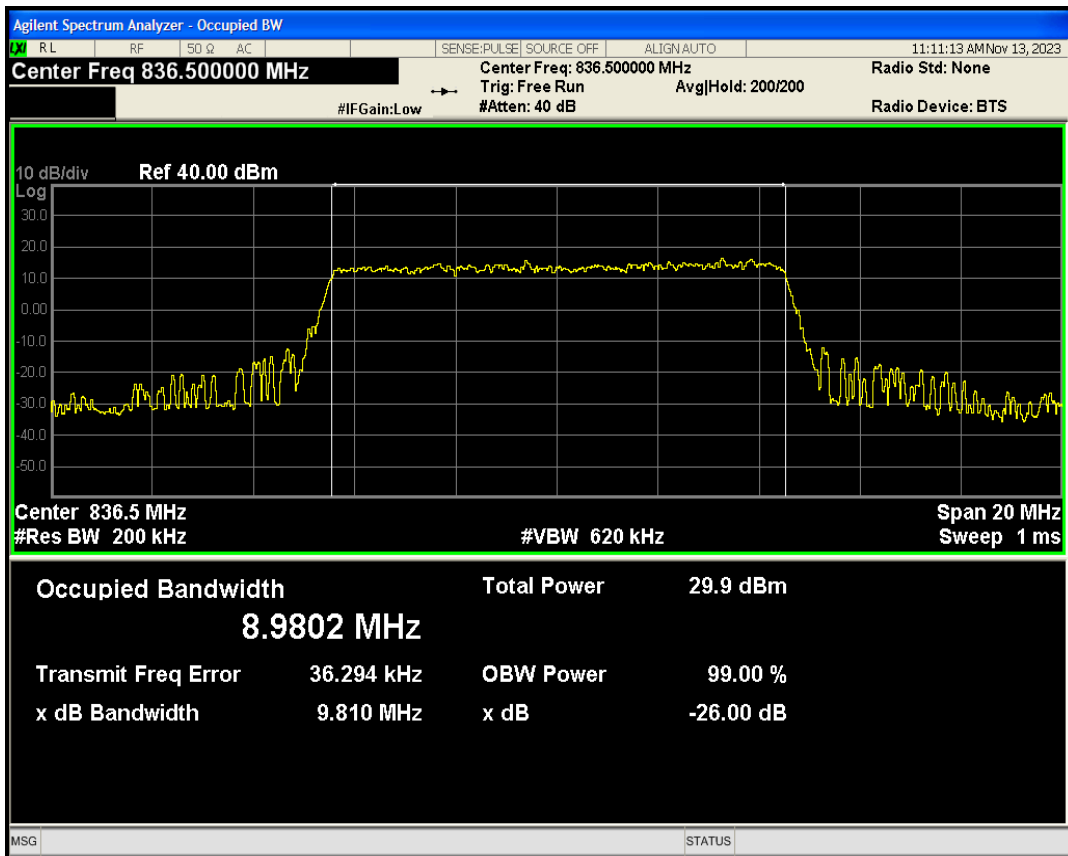


Band5 QAM16 BW=5MHz Channel=20525 RB Size=25 Position=#0

Report

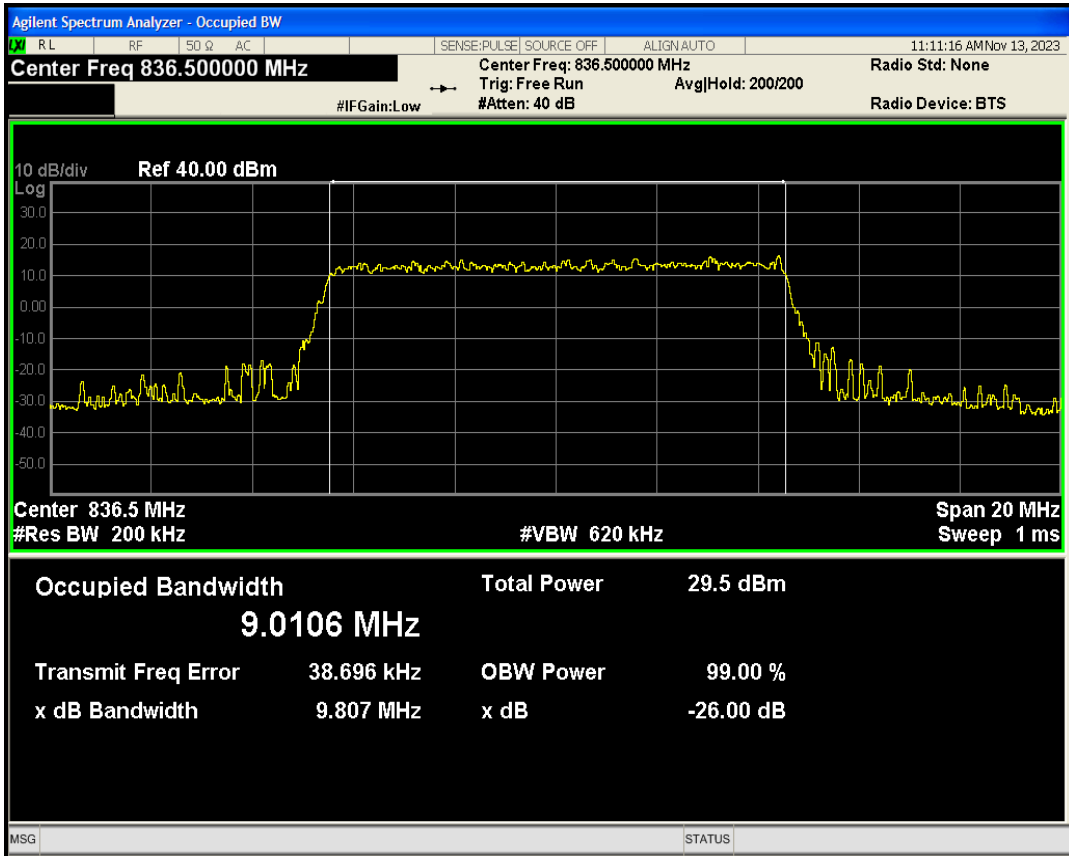


Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

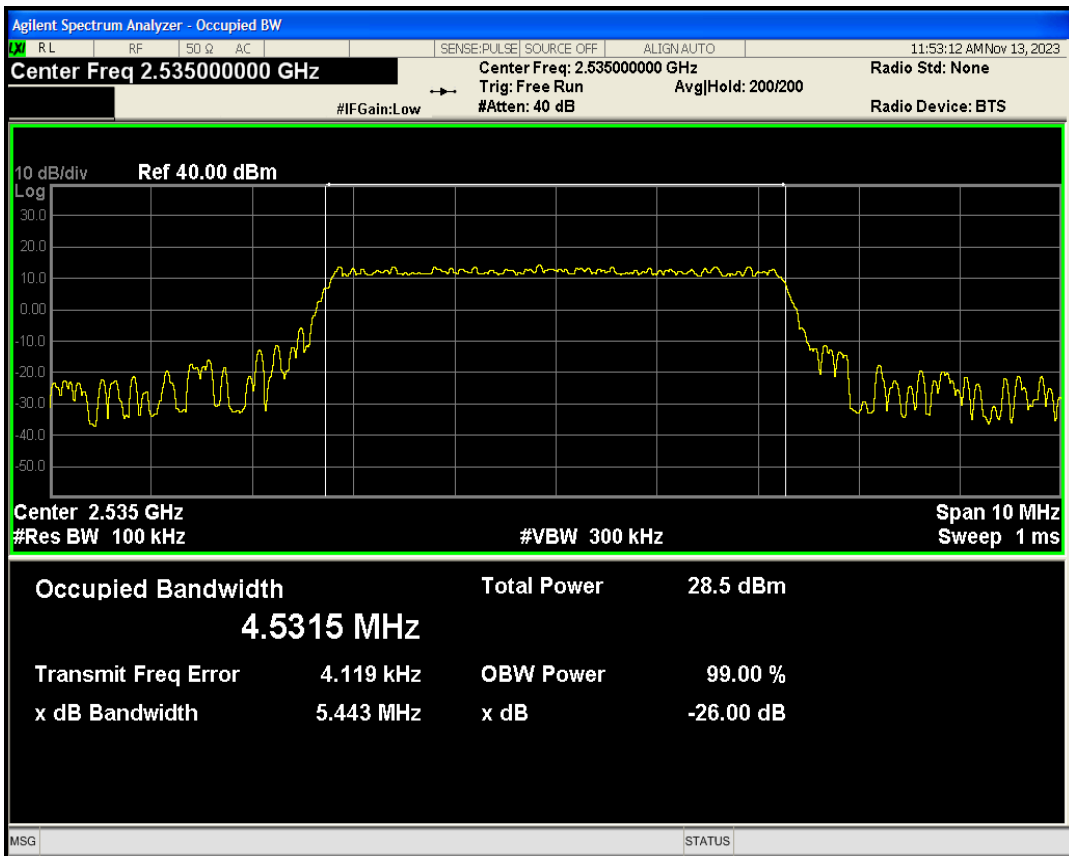


Band5 QAM16 BW=10MHz Channel=20525 RB Size=50 Position=#0

Report

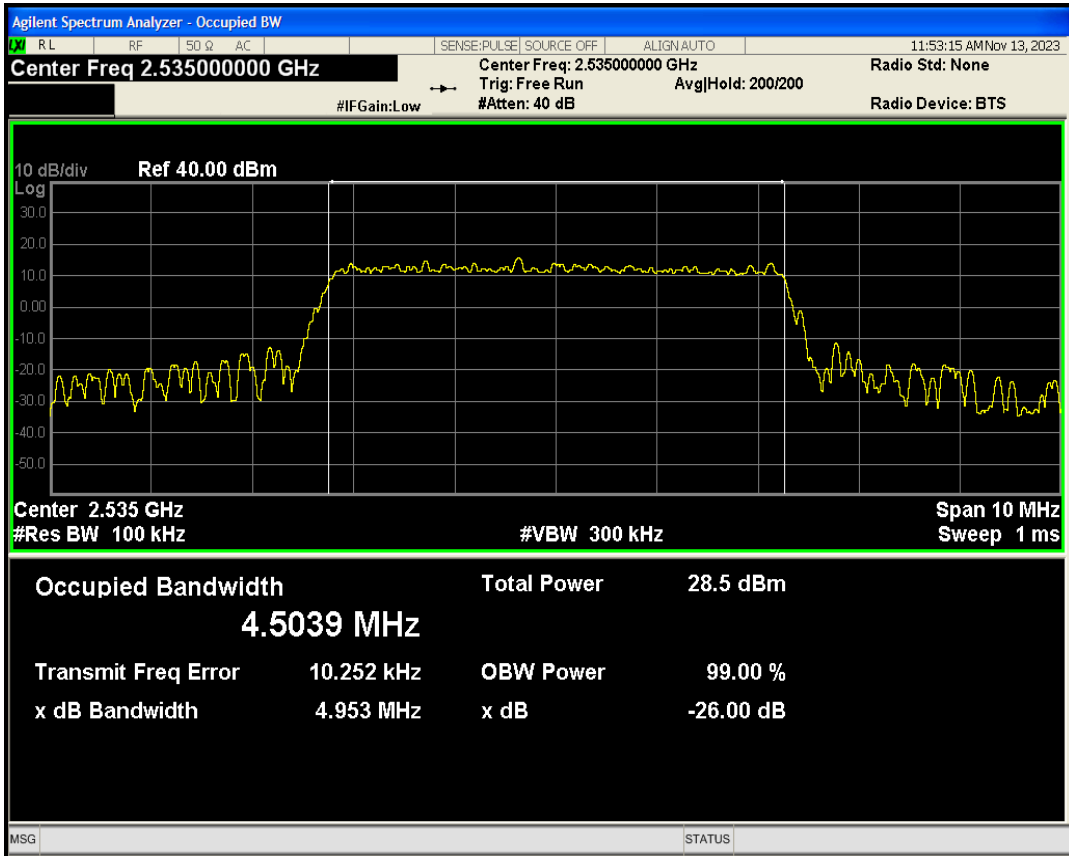


Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0

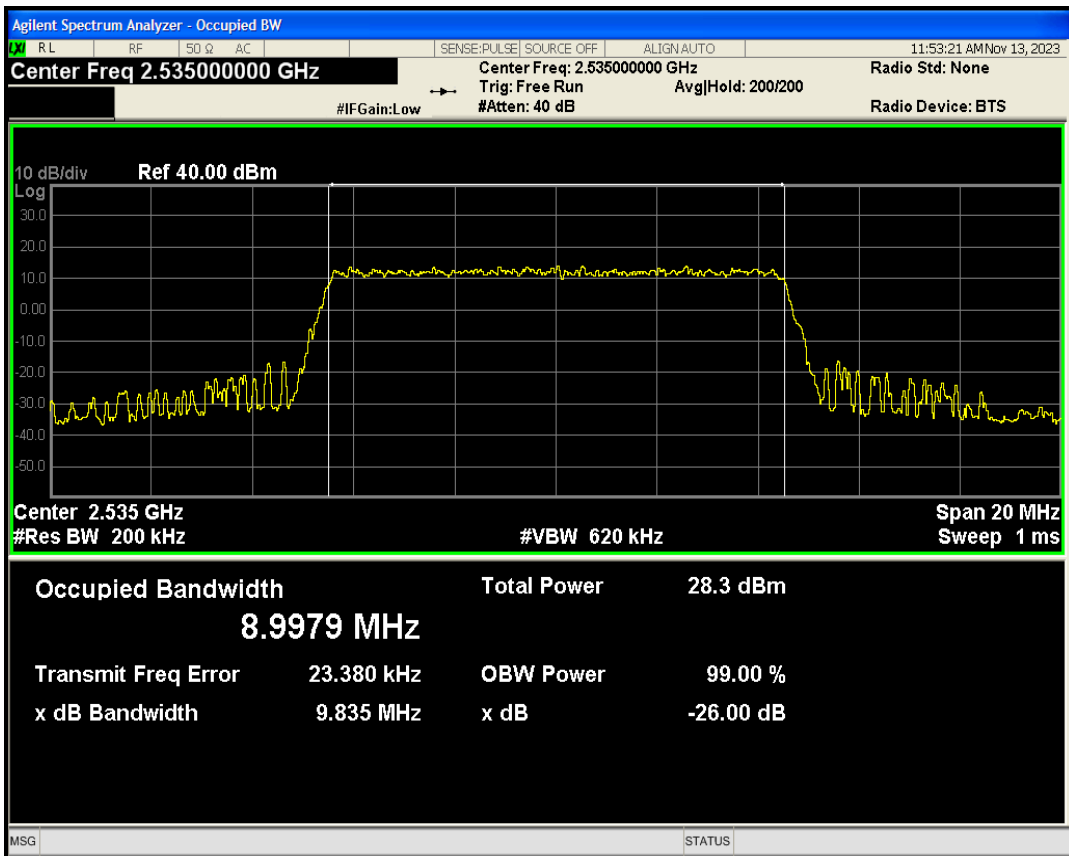


Band7 QAM16 BW=5MHz Channel=21100 RB Size=25 Position=#0

Report

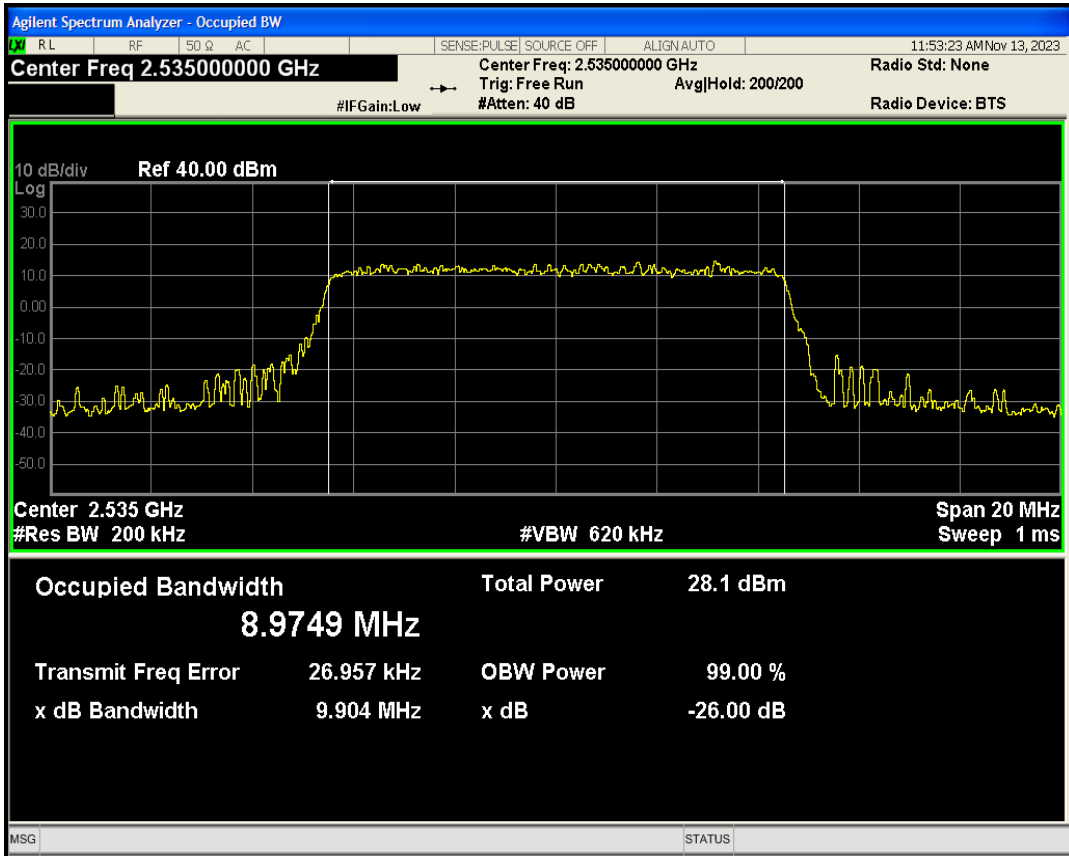


Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0

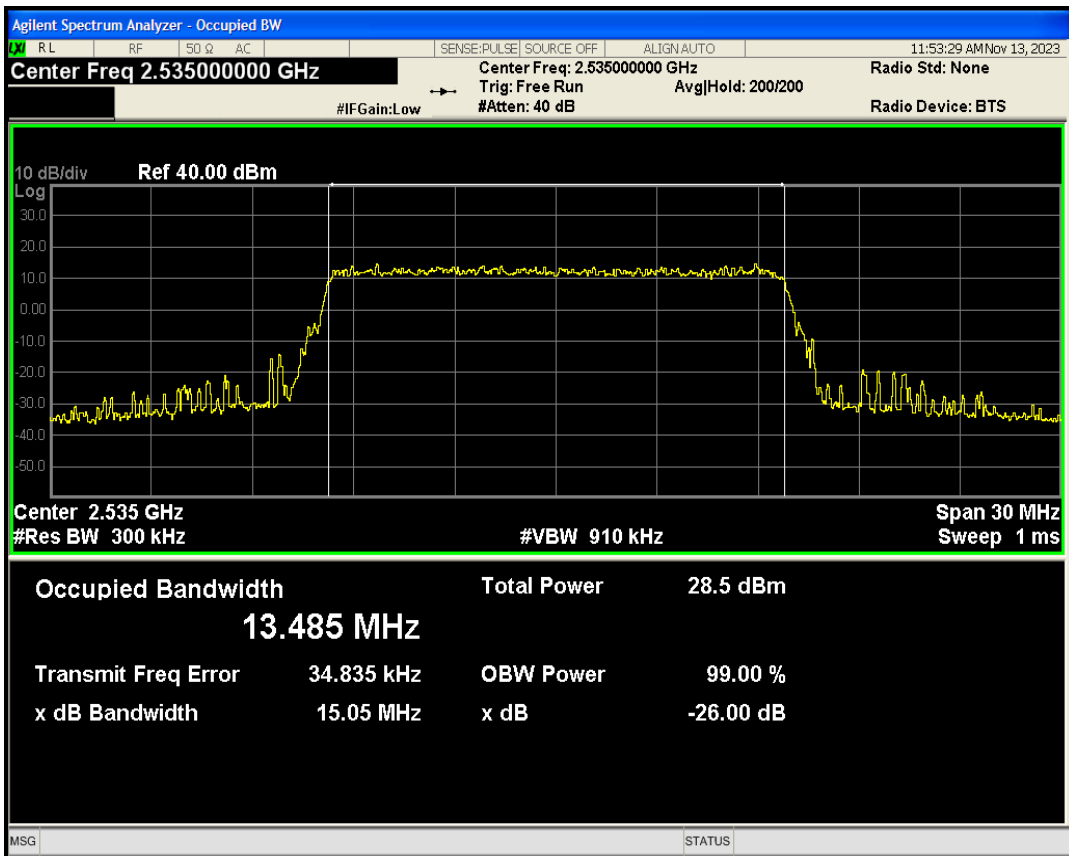


Band7 QAM16 BW=10MHz Channel=21100 RB Size=50 Position=#0

Report

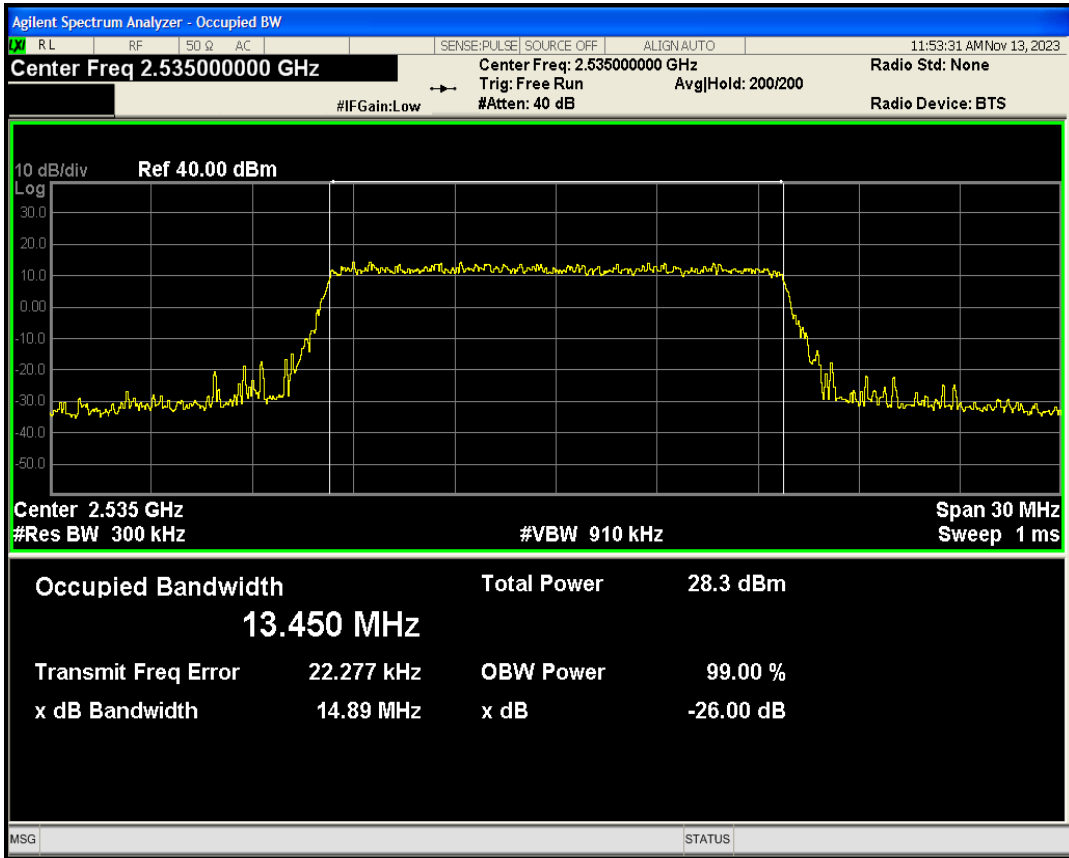


Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0

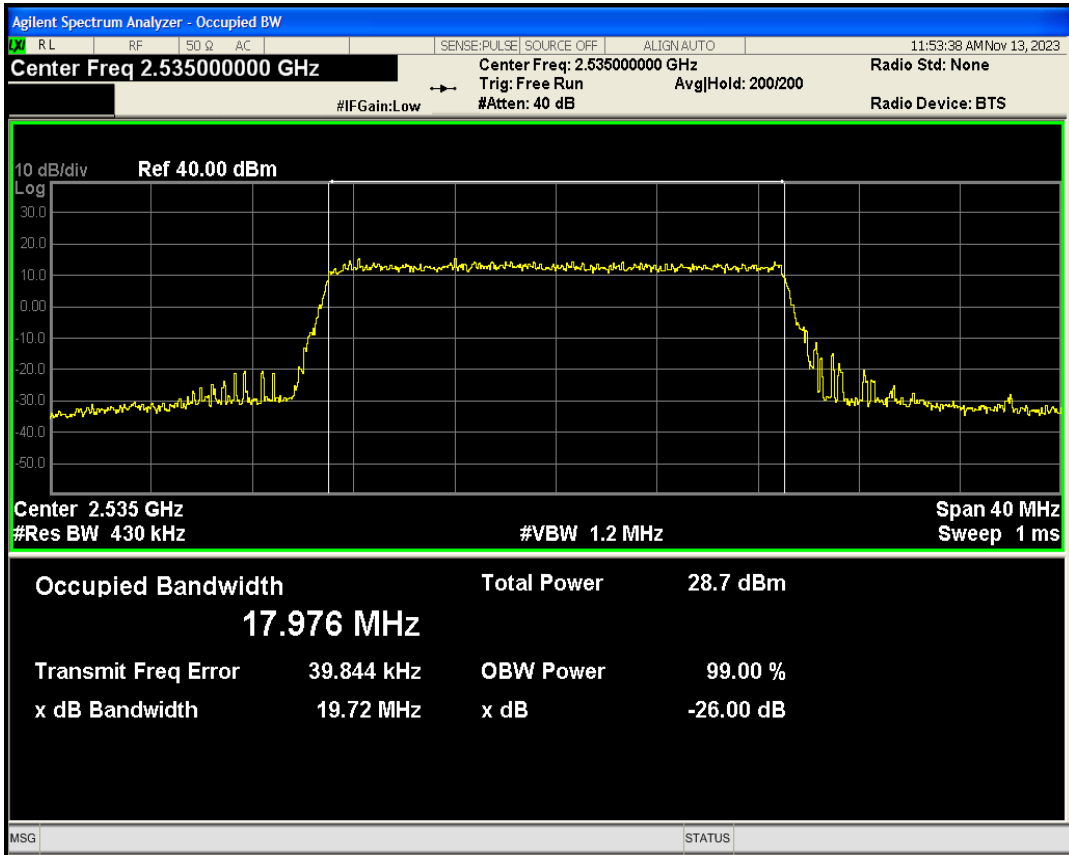


Band7 QAM16 BW=15MHz Channel=21100 RB Size=75 Position=#0

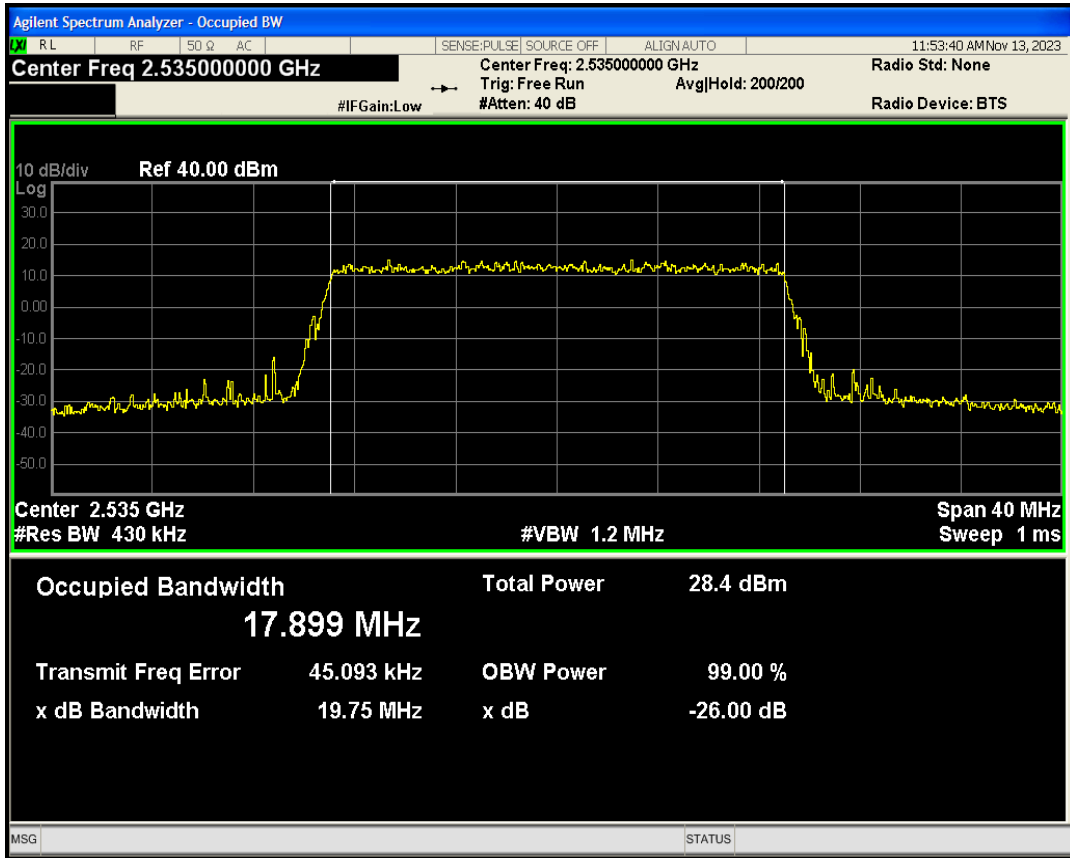
Report



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



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



Appendix D & E:

5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band2	1.4	18607	6	#0	QPSK	1849.99	-29.19	-13	PASS
Band2	1.4	18607	6	#0	QAM16	1849.99	-28.26	-13	PASS
Band2	1.4	19193	6	#0	QPSK	1910.01	-29.49	-13	PASS
Band2	1.4	19193	6	#0	QAM16	1910.02	-31.20	-13	PASS
Band2	3	18615	15	#0	QPSK	1850.00	-22.68	-13	PASS
Band2	3	18615	15	#0	QAM16	1850.00	-23.67	-13	PASS
Band2	3	19185	15	#0	QPSK	1910.00	-24.87	-13	PASS
Band2	3	19185	15	#0	QAM16	1910.01	-24.87	-13	PASS
Band2	5	18625	25	#0	QPSK	1849.93	-26.47	-13	PASS
Band2	5	18625	25	#0	QAM16	1849.99	-26.20	-13	PASS
Band2	5	19175	25	#0	QPSK	1910.07	-30.89	-13	PASS
Band2	5	19175	25	#0	QAM16	1910.08	-29.54	-13	PASS
Band2	10	18650	50	#0	QPSK	1850.00	-27.42	-13	PASS
Band2	10	18650	50	#0	QAM16	1849.80	-26.73	-13	PASS
Band2	10	19150	50	#0	QPSK	1910.00	-33.17	-13	PASS
Band2	10	19150	50	#0	QAM16	1910.02	-33.05	-13	PASS
Band2	15	18675	75	#0	QPSK	1849.97	-26.12	-13	PASS
Band2	15	18675	75	#0	QAM16	1849.28	-26.93	-13	PASS
Band2	15	19125	75	#0	QPSK	1910.06	-32.81	-13	PASS



Report

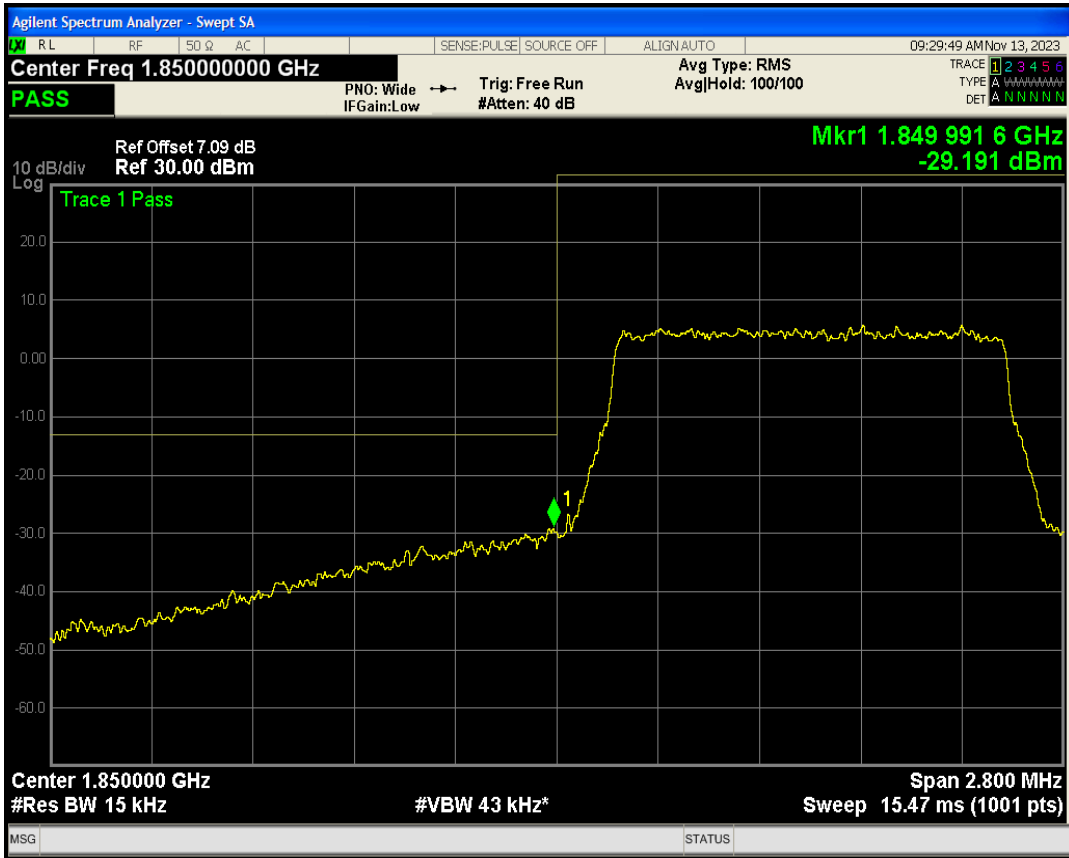
Band2	15	19125	75	#0	QAM16	1910.03	-31.92	-13	PASS
Band2	20	18700	100	#0	QPSK	1849.84	-28.71	-13	PASS
Band2	20	18700	100	#0	QAM16	1849.00	-28.02	-13	PASS
Band2	20	19100	100	#0	QPSK	1910.36	-33.38	-13	PASS
Band2	20	19100	100	#0	QAM16	1910.00	-33.59	-13	PASS
Band38	5	37775	25	#0	QPSK	2563.13	-32.16	-25	PASS
Band38	5	37775	25	#0	QAM16	2568.98	-16.68	-10	PASS
Band38	5	38225	25	#0	QPSK	2627.16	-32.92	-25	PASS
Band38	5	38225	25	#0	QAM16	2621.04	-16.41	-10	PASS
Band38	10	37800	50	#0	QPSK	2559.56	-35.78	-25	PASS
Band38	10	37800	50	#0	QAM16	2558.85	-37.83	-25	PASS
Band38	10	38200	50	#0	QPSK	2630.60	-35.99	-25	PASS
Band38	10	38200	50	#0	QAM16	2630.19	-37.04	-25	PASS
Band38	15	37825	75	#0	QPSK	2554.14	-38.12	-25	PASS
Band38	15	37825	75	#0	QAM16	2552.37	-35.80	-25	PASS
Band38	15	38175	75	#0	QPSK	2635.14	-37.71	-25	PASS
Band38	15	38175	75	#0	QAM16	2637.30	-36.32	-25	PASS
Band38	20	37850	100	#0	QPSK	2546.67	-38.97	-25	PASS
Band38	20	37850	100	#0	QAM16	2548.09	-39.31	-25	PASS
Band38	20	38150	100	#0	QPSK	2640.86	-38.34	-25	PASS
Band38	20	38150	100	#0	QAM16	2642.73	-38.05	-25	PASS
Band40a	5	38725	25	#0	QPSK	2311.02	-17.12	-13	PASS
Band40a	5	38725	25	#0	QAM16	2335.36	-42.41	-37	PASS
Band40a	5	38775	25	#0	QPSK	2336.51	-42.32	-37	PASS
Band40a	5	38775	25	#0	QAM16	2333.23	-42.43	-37	PASS
Band40a	10	38750	50	#0	QPSK	2289.85	-39.27	-37	PASS
Band40a	10	38750	50	#0	QAM16	2328.30	-40.92	-37	PASS
Band41(2555-2655)	5	40265	25	#0	QPSK	2547.19	-32.22	-25	PASS
Band41(2555-2655)	5	40265	25	#0	QAM16	2554.00	-17.47	-10	PASS
Band41(2555-2655)	5	41215	25	#0	QPSK	2662.14	-31.57	-25	PASS
Band41(2555-2655)	5	41215	25	#0	QAM16	2656.00	-16.81	-10	PASS
Band41(2555-2655)	10	40290	50	#0	QPSK	2543.02	-34.48	-25	PASS
Band41(2555-2655)	10	40290	50	#0	QAM16	2544.12	-33.42	-25	PASS
Band41(2555-2655)	10	41190	50	#0	QPSK	2665.07	-34.49	-25	PASS
Band41(2555-2655)	10	41190	50	#0	QAM16	2656.11	-19.69	-10	PASS
Band41(2555-2655)	15	40315	75	#0	QPSK	2539.62	-39.51	-25	PASS
Band41(2555-2655)	15	40315	75	#0	QAM16	2538.36	-37.80	-25	PASS
Band41(2555-2655)	15	41165	75	#0	QPSK	2661.03	-23.82	-13	PASS
Band41(2555-2655)	15	41165	75	#0	QAM16	2660.01	-24.60	-13	PASS
Band41(2555-2655)	20	40340	100	#0	QPSK	2533.60	-38.63	-25	PASS
Band41(2555-2655)	20	40340	100	#0	QAM16	2534.78	-39.08	-25	PASS
Band41(2555-2655)	20	41140	100	#0	QPSK	2660.24	-25.45	-13	PASS
Band41(2555-2655)	20	41140	100	#0	QAM16	2656.28	-23.56	-10	PASS
Band5	1.4	20407	6	#0	QPSK	823.96	-36.69	-13	PASS

Report

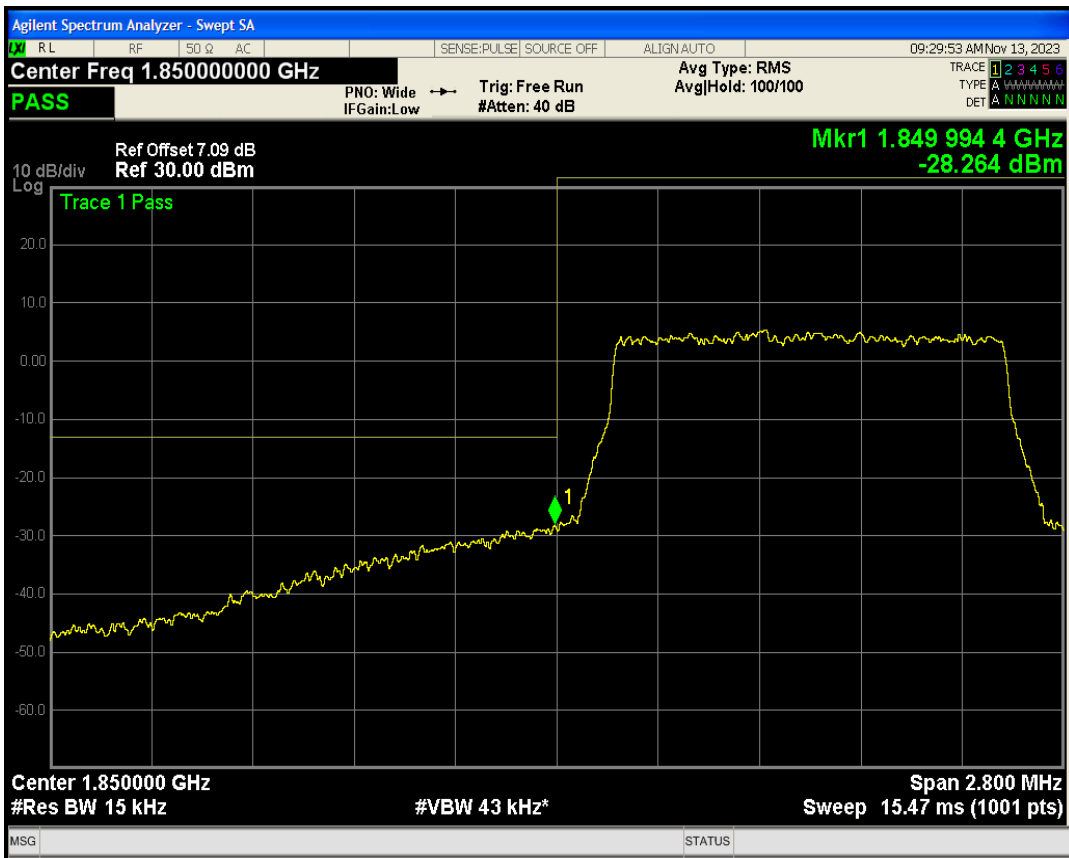
Band5	1.4	20407	6	#0	QAM16	824.00	-37.50	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.03	-33.67	-13	PASS
Band5	1.4	20643	6	#0	QAM16	849.04	-34.52	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-25.52	-13	PASS
Band5	3	20415	15	#0	QAM16	824.00	-26.12	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-26.56	-13	PASS
Band5	3	20635	15	#0	QAM16	849.00	-25.64	-13	PASS
Band5	5	20425	25	#0	QPSK	823.98	-30.89	-13	PASS
Band5	5	20425	25	#0	QAM16	824.00	-33.08	-13	PASS
Band5	5	20625	25	#0	QPSK	849.04	-30.60	-13	PASS
Band5	5	20625	25	#0	QAM16	849.05	-30.25	-13	PASS
Band5	10	20450	50	#0	QPSK	823.68	-34.58	-13	PASS
Band5	10	20450	50	#0	QAM16	823.98	-33.37	-13	PASS
Band5	10	20600	50	#0	QPSK	849.00	-36.19	-13	PASS
Band5	10	20600	50	#0	QAM16	849.12	-36.08	-13	PASS
Band7	5	20775	25	#0	QPSK	2498.99	-14.97	-10	PASS
Band7	5	20775	25	#0	QAM16	2498.97	-14.82	-10	PASS
Band7	5	21425	25	#0	QPSK	2571.01	-15.81	-10	PASS
Band7	5	21425	25	#0	QAM16	2571.03	-15.92	-10	PASS
Band7	10	20800	50	#0	QPSK	2489.70	-38.88	-25	PASS
Band7	10	20800	50	#0	QAM16	2489.93	-38.06	-25	PASS
Band7	10	21400	50	#0	QPSK	2583.38	-37.59	-25	PASS
Band7	10	21400	50	#0	QAM16	2580.29	-37.14	-25	PASS
Band7	15	20825	75	#0	QPSK	2498.59	-24.99	-10	PASS
Band7	15	20825	75	#0	QAM16	2484.57	-40.55	-25	PASS
Band7	15	21375	75	#0	QPSK	2585.12	-38.81	-25	PASS
Band7	15	21375	75	#0	QAM16	2585.07	-38.48	-25	PASS
Band7	20	20850	100	#0	QPSK	2477.29	-41.81	-25	PASS
Band7	20	20850	100	#0	QAM16	2478.54	-41.63	-25	PASS
Band7	20	21350	100	#0	QPSK	2570.01	-26.00	-10	PASS
Band7	20	21350	100	#0	QAM16	2590.41	-41.27	-25	PASS

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

Report

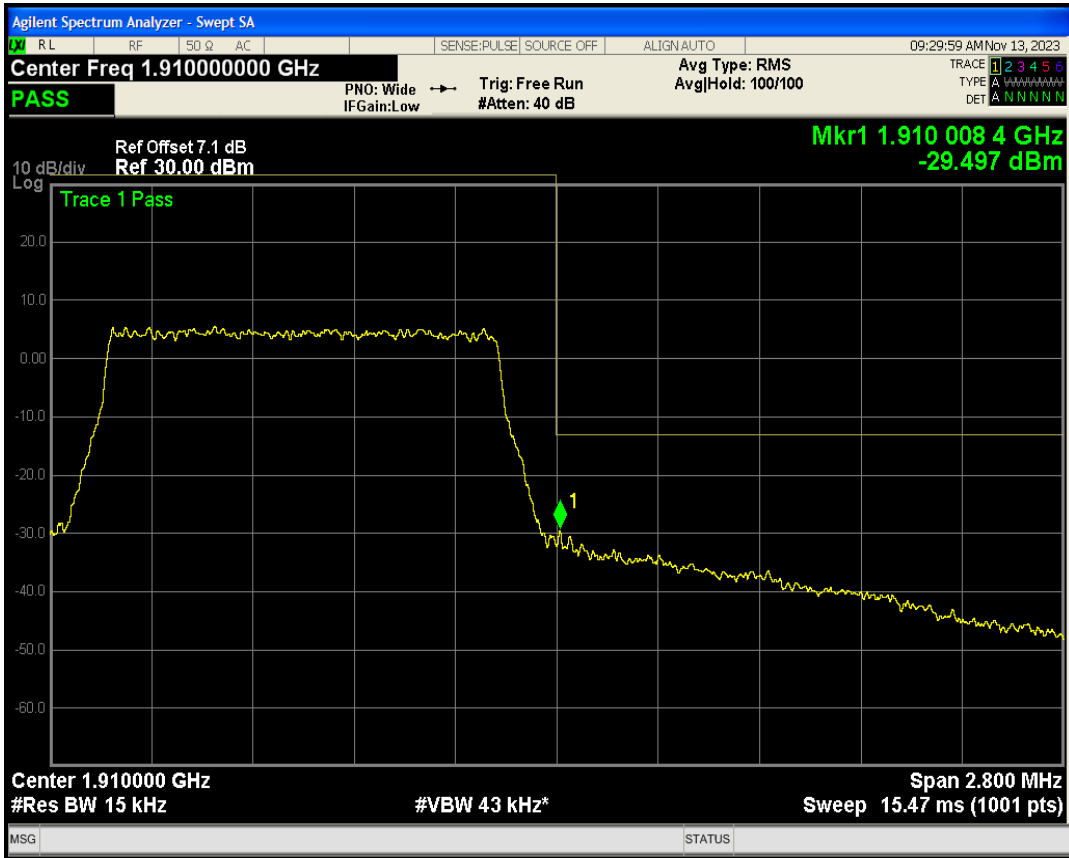


Band2 QAM16 BW=1.4MHz Channel=18607 RB Size=6 Position=#0

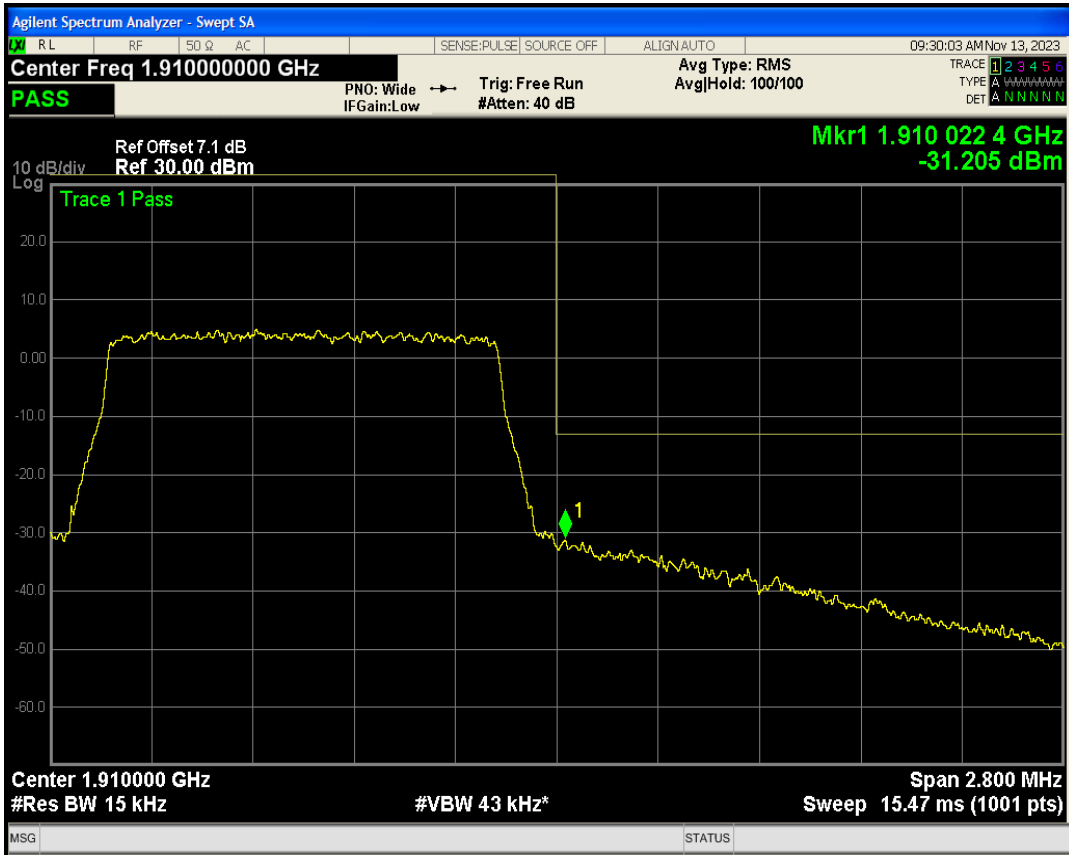


Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0

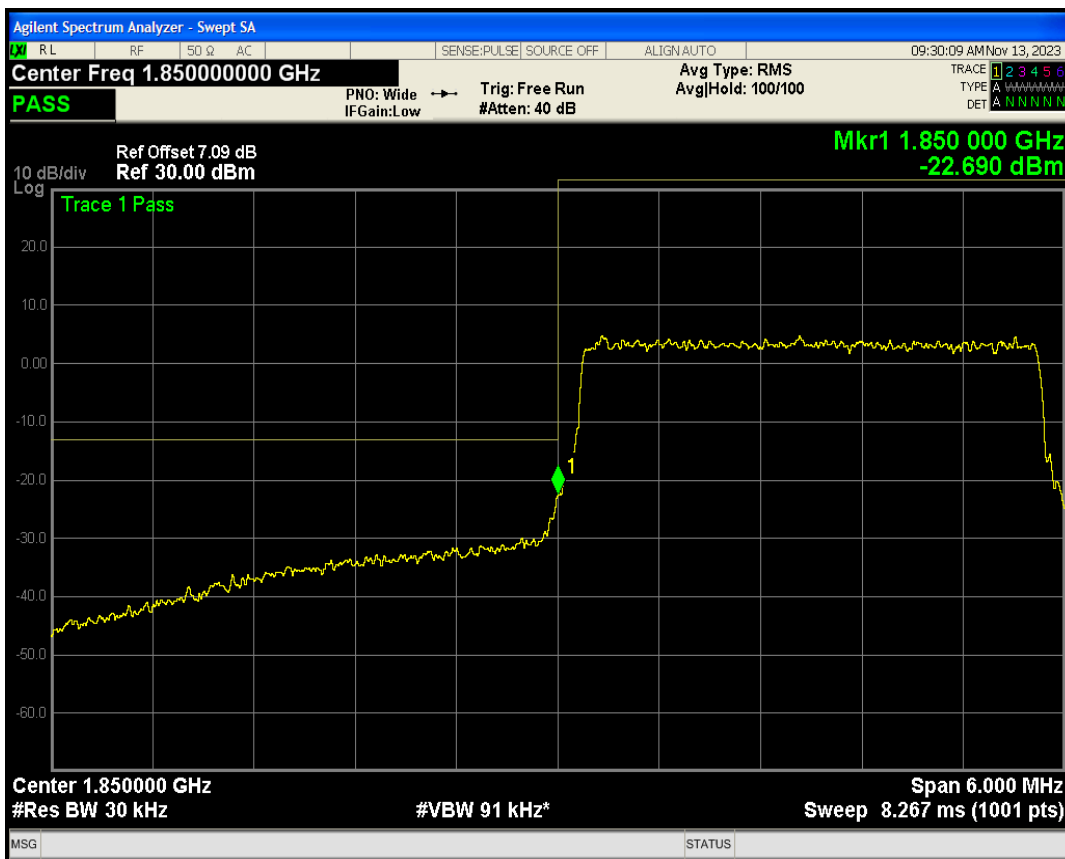
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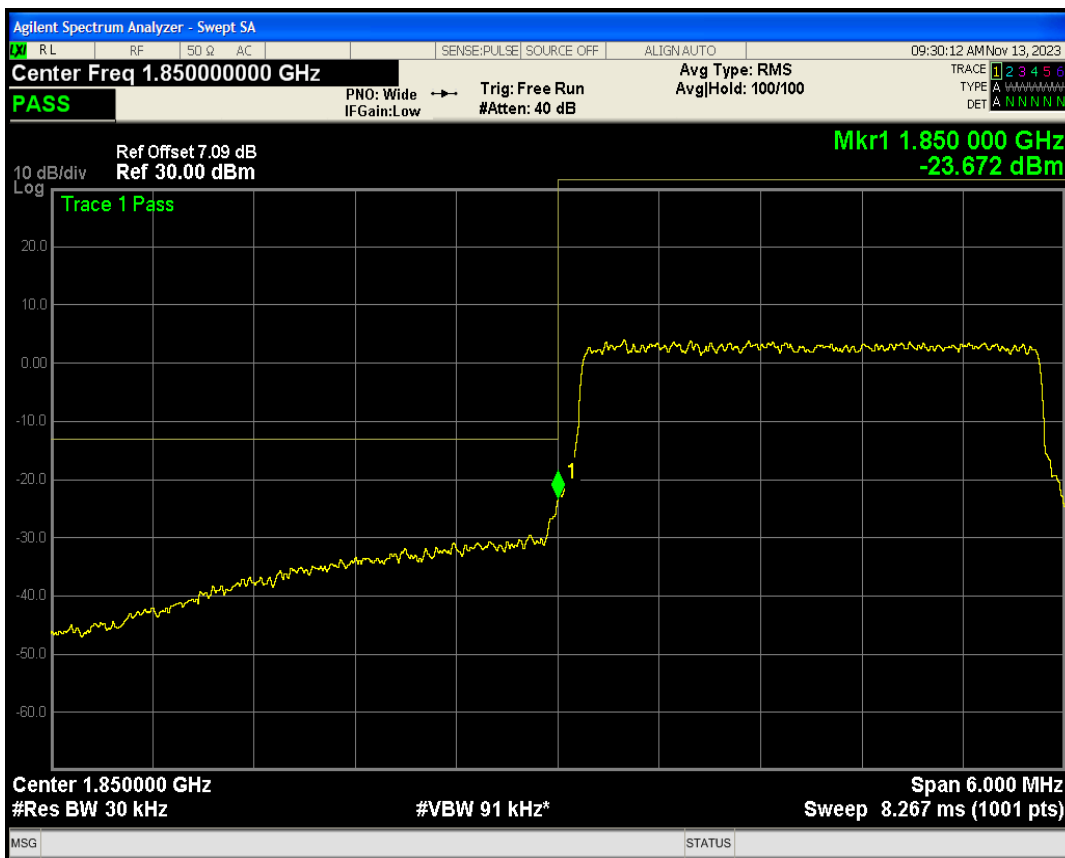
Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=6 Position=#0



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

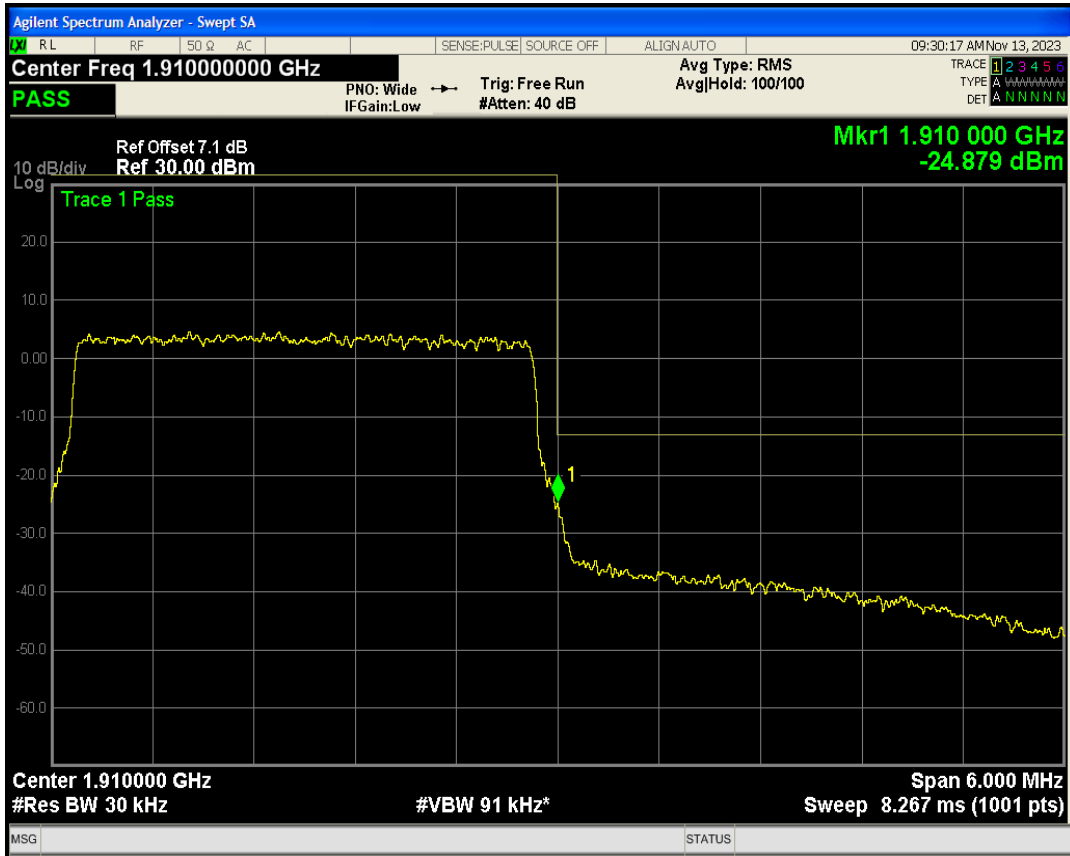


Band2 QAM16 BW=3MHz Channel=18615 RB Size=15 Position=#0

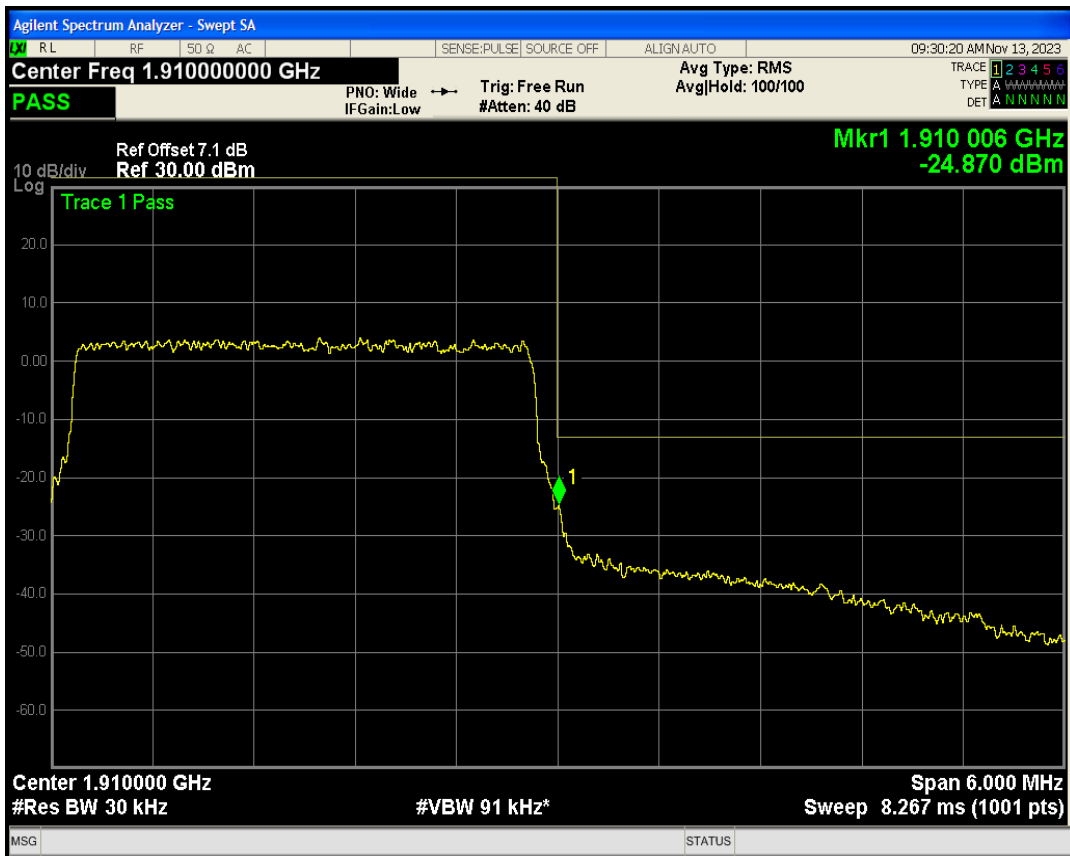


Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0

Report

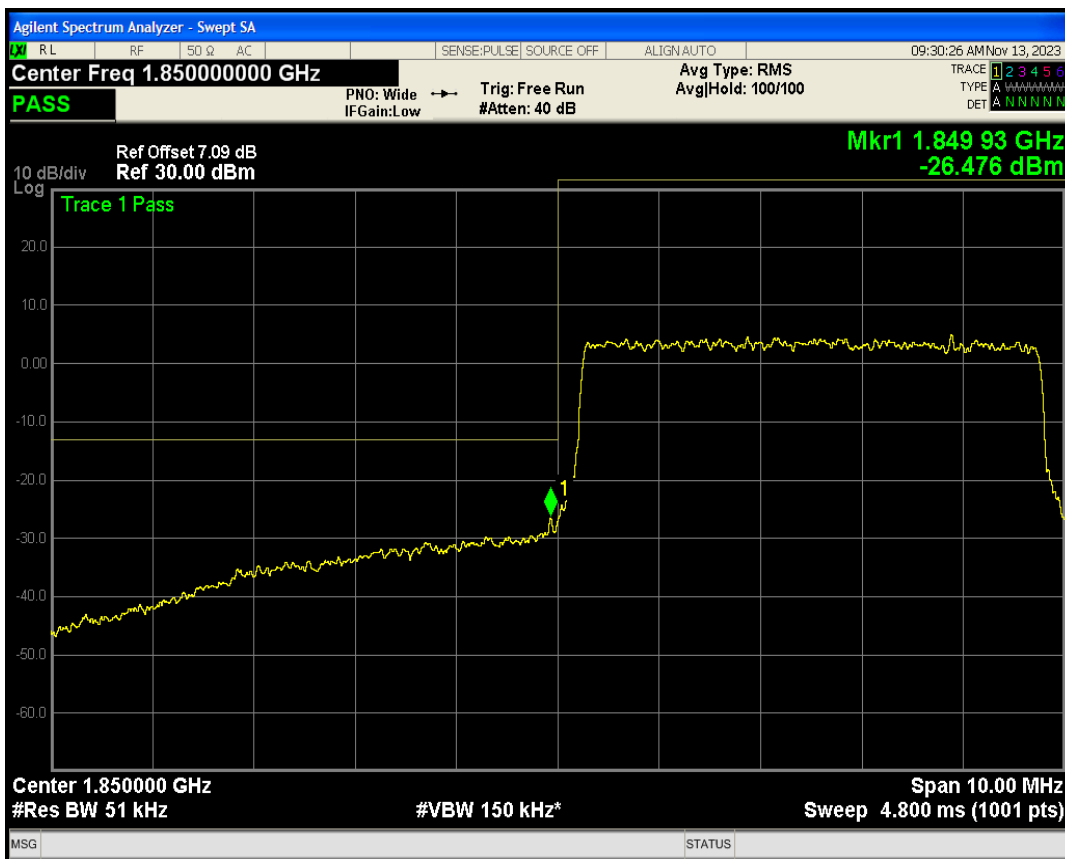


Band2 QAM16 BW=3MHz Channel=19185 RB Size=15 Position=#0

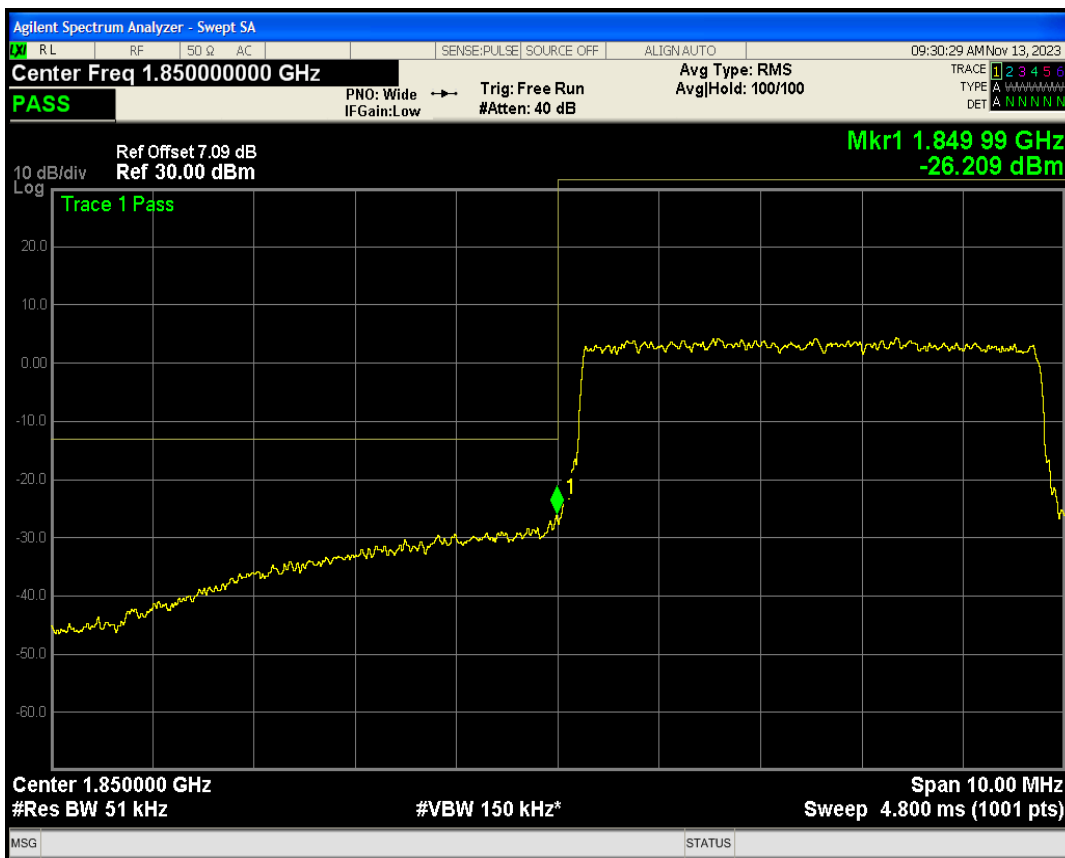


Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0

Report

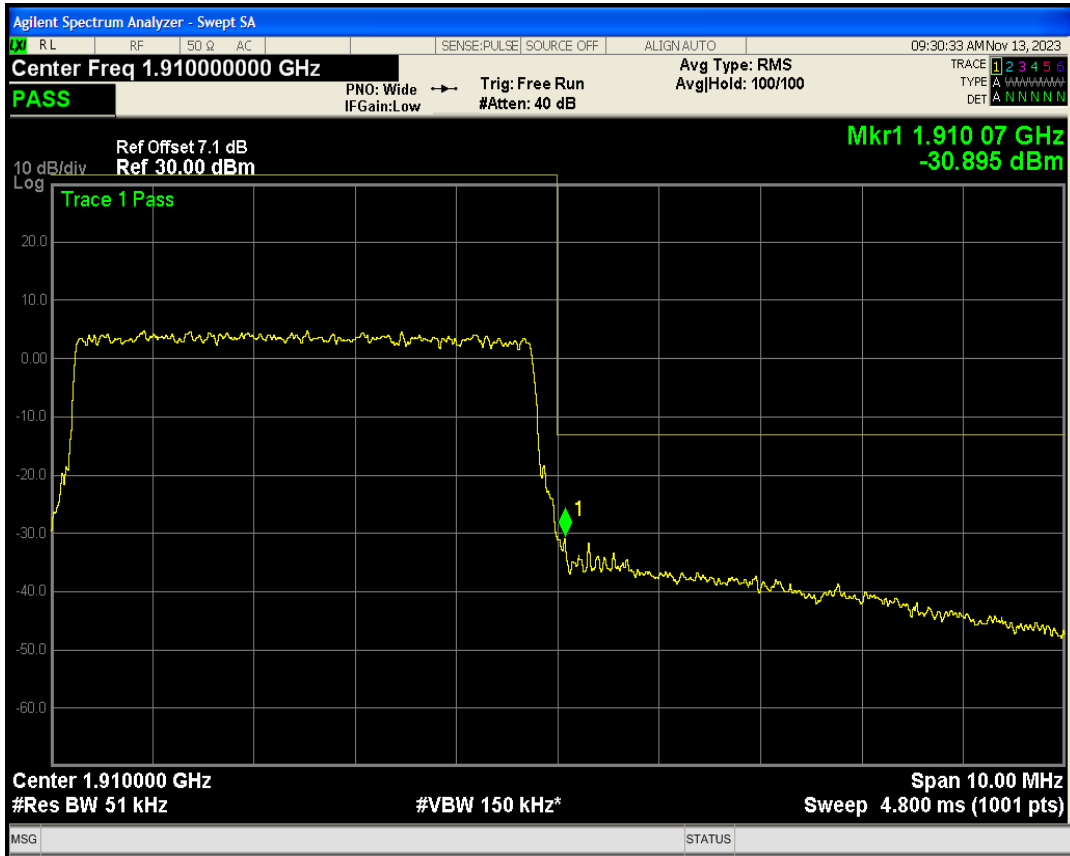


Band2 QAM16 BW=5MHz Channel=18625 RB Size=25 Position=#0

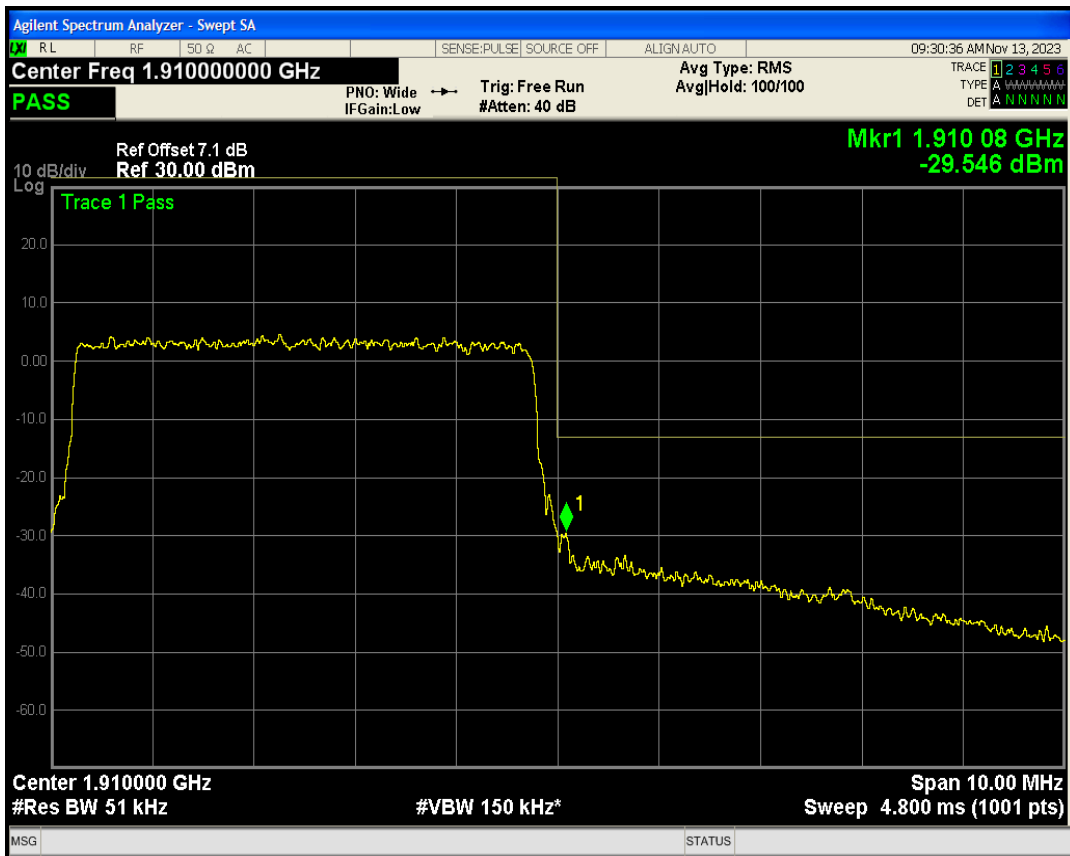


Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

Report



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



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

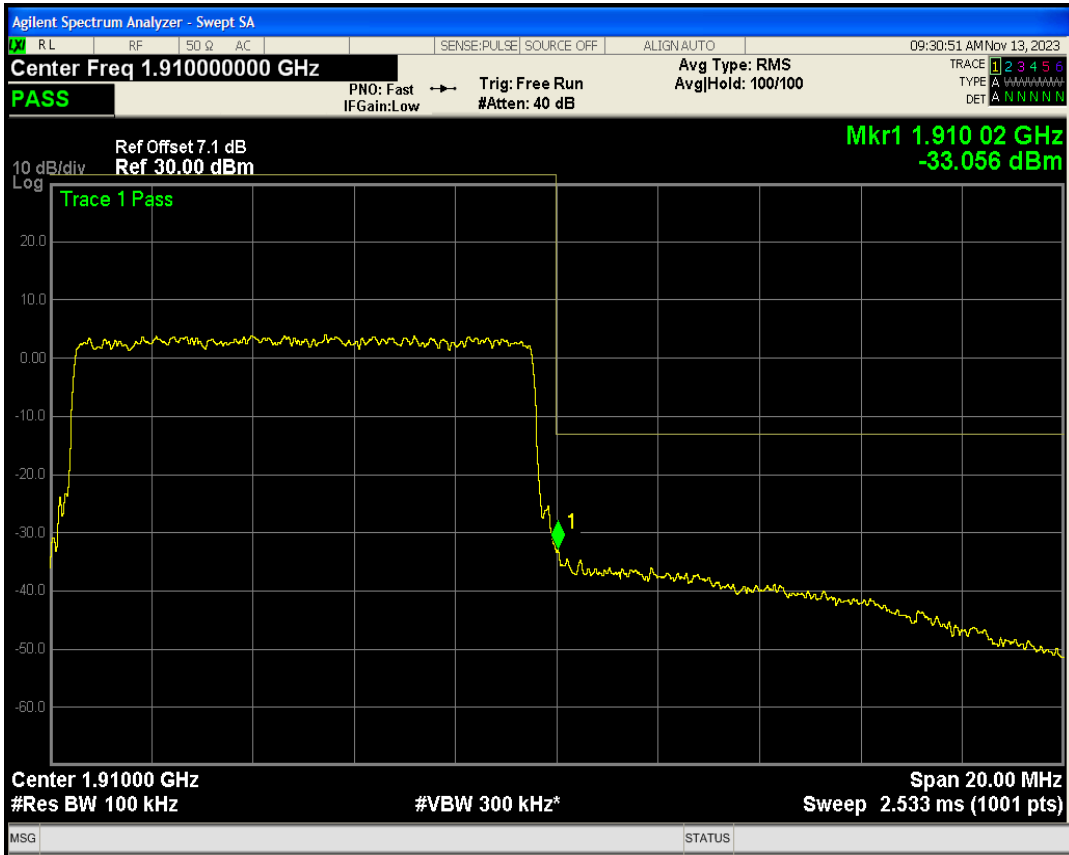




Report



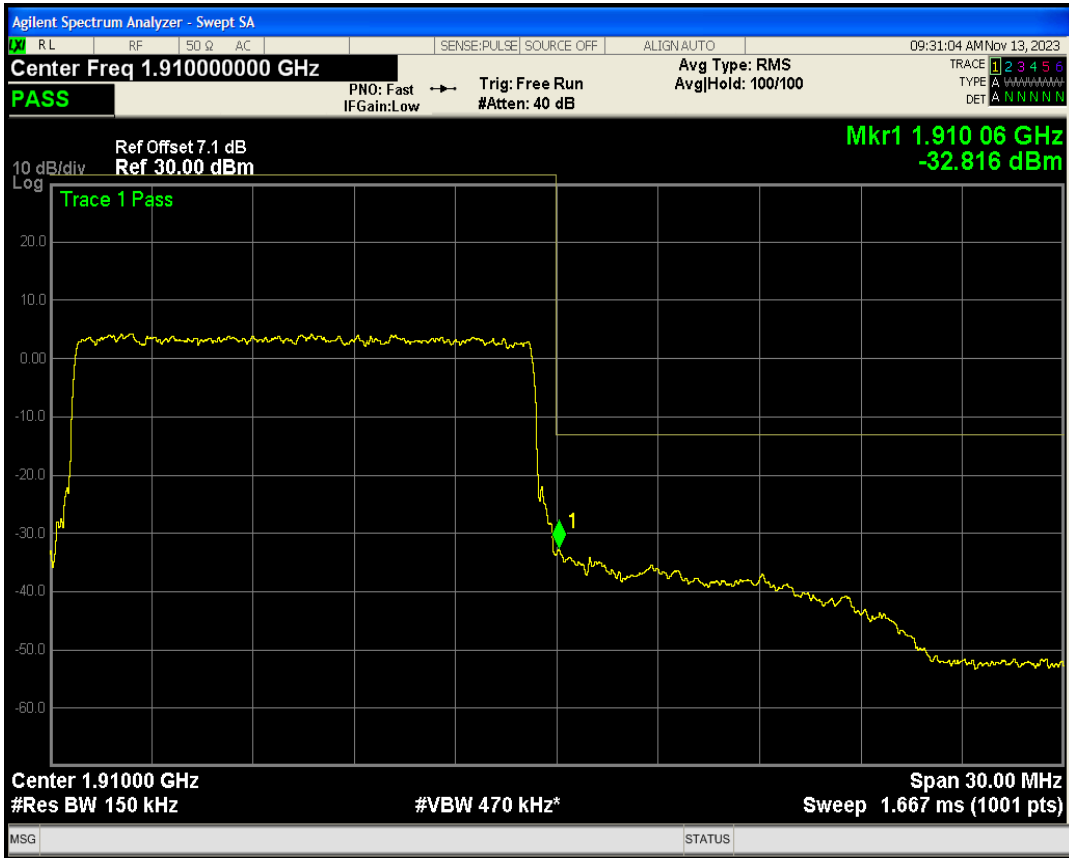
Band2 QAM16 BW=10MHz Channel=19150 RB Size=50 Position=#0



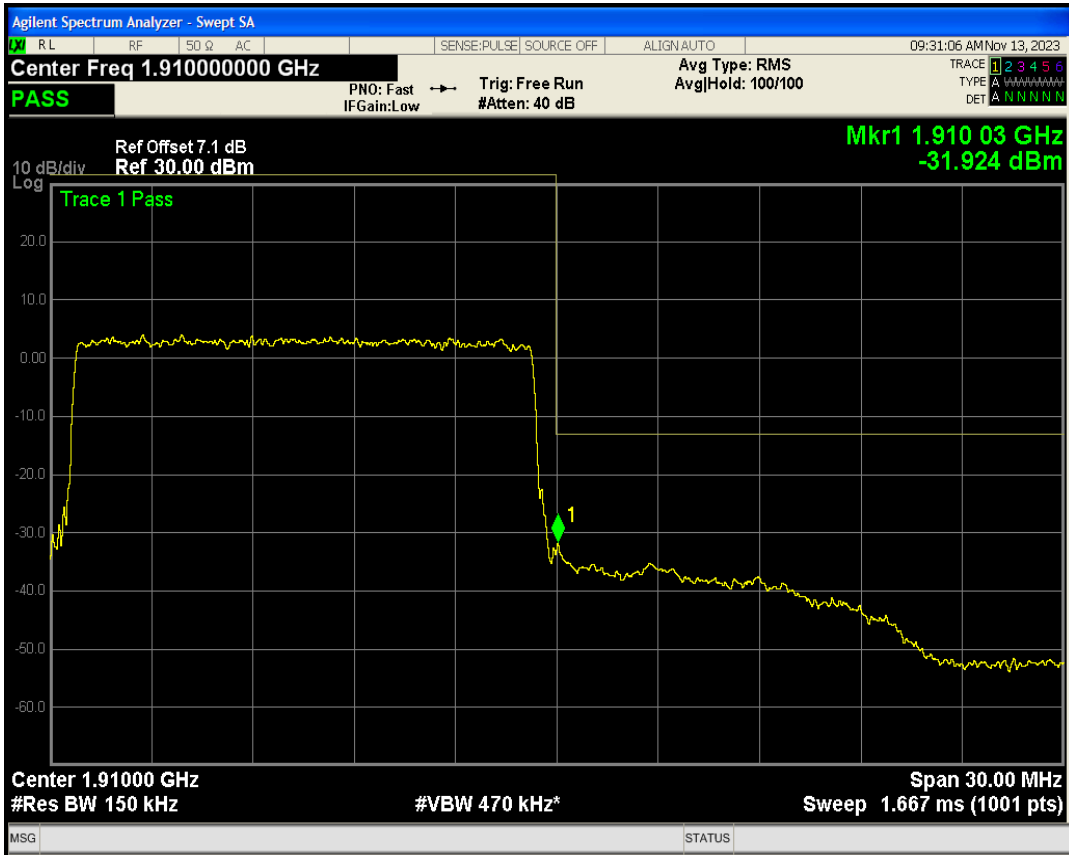
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



Report

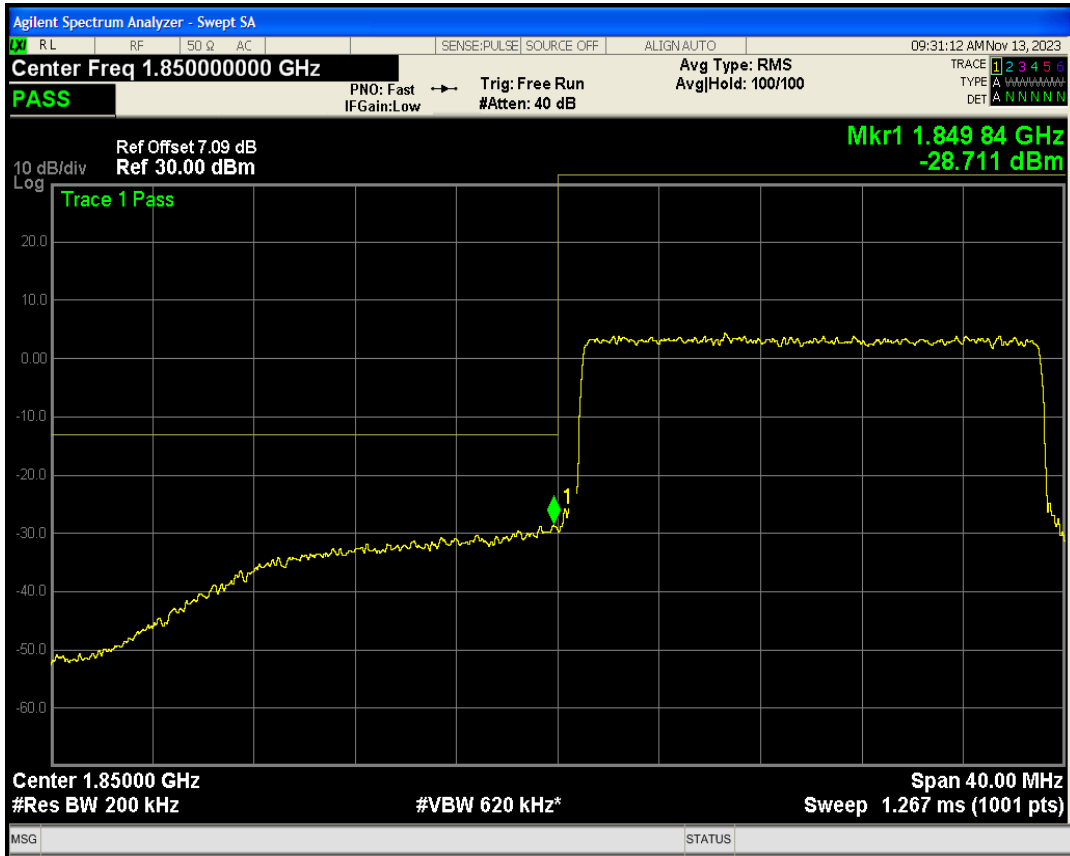


Band2 QAM16 BW=15MHz Channel=19125 RB Size=75 Position=#0

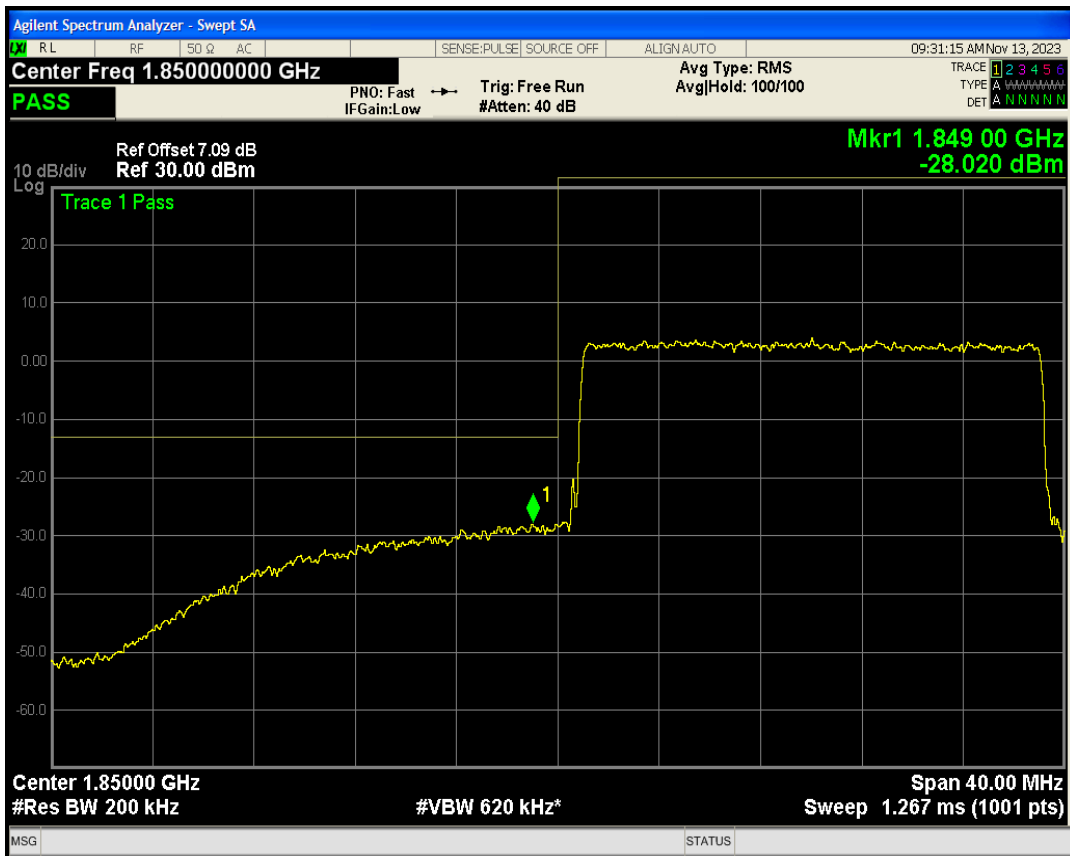


Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0

Report

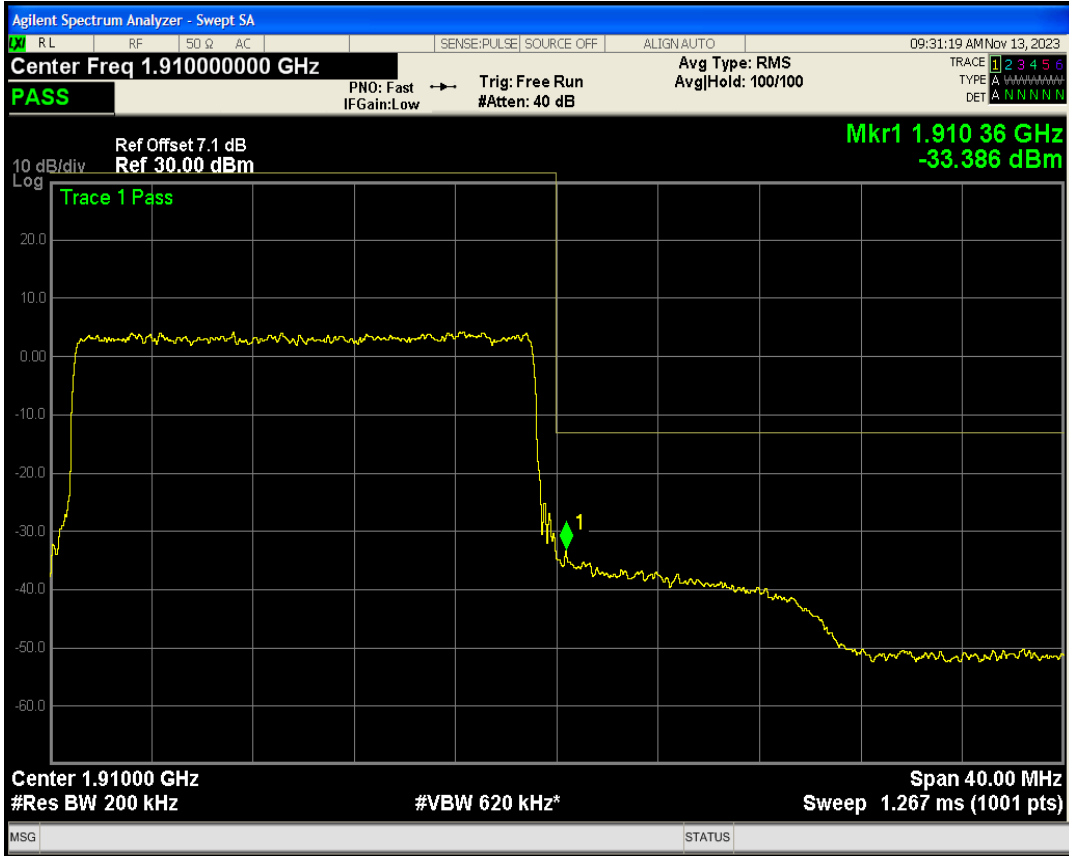


Band2 QAM16 BW=20MHz Channel=18700 RB Size=100 Position=#0

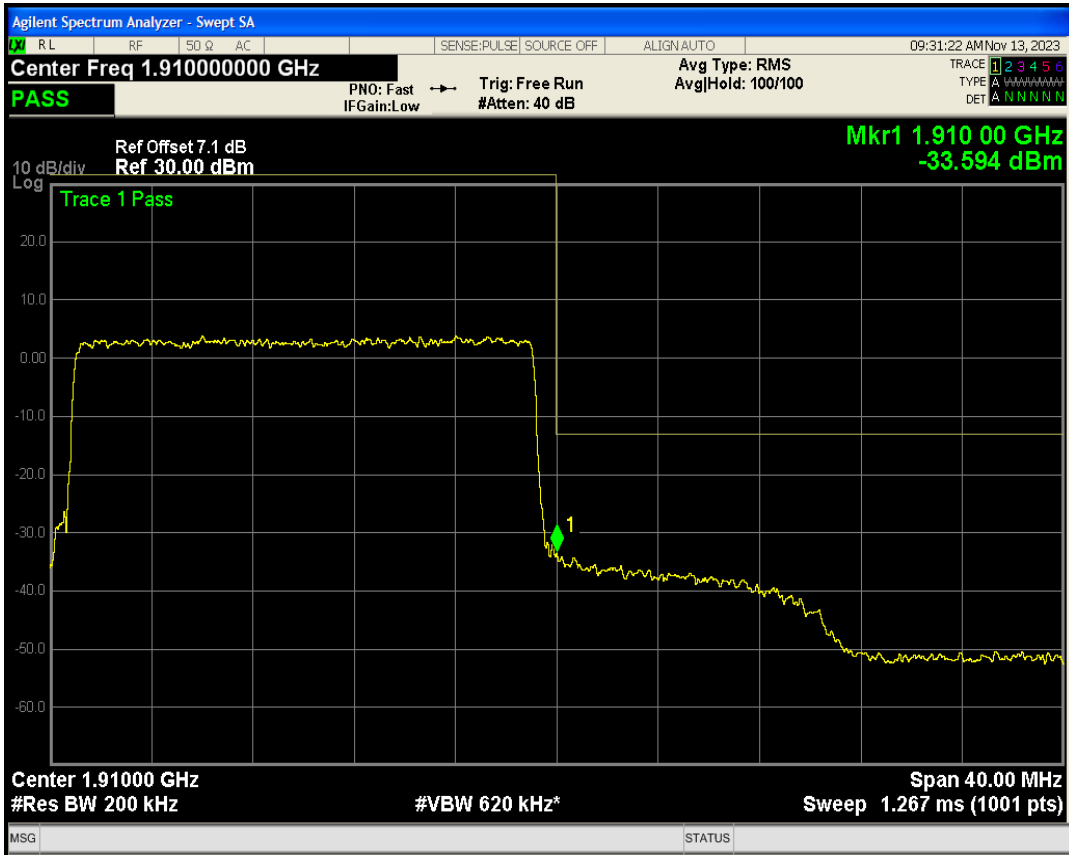


Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0

Report



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



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