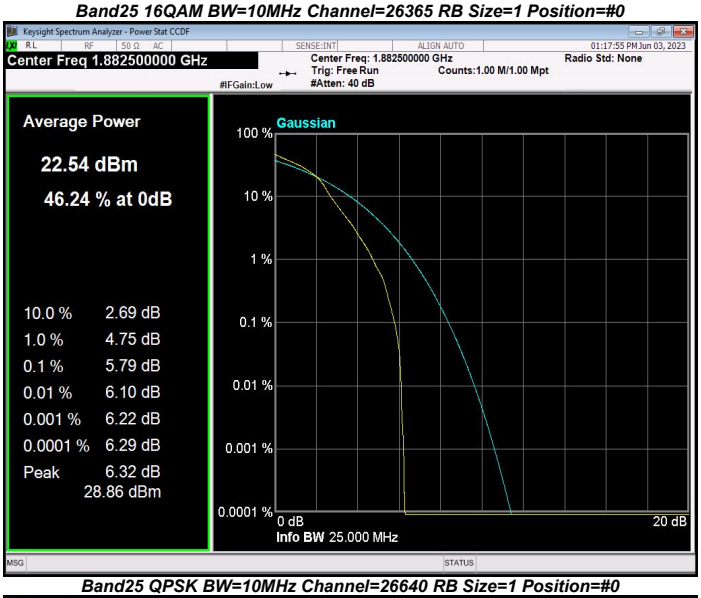
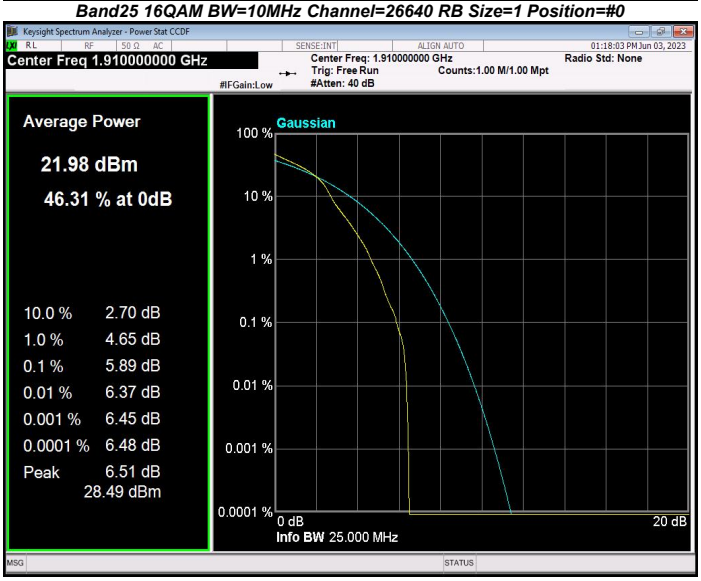
Band25 16QAM BW=10MHz Channel=26365 RB Size=1 Position=#0

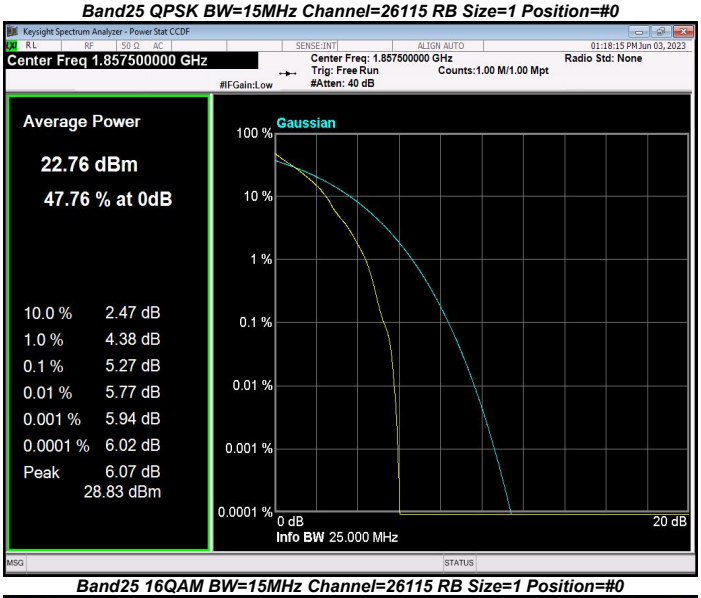


Band25 QPSK BW=10MHz Channel=26640 RB Size=1 Position=#0

Band25 16QAM BW=10MHz Channel=26640 RB Size=1 Position=#0

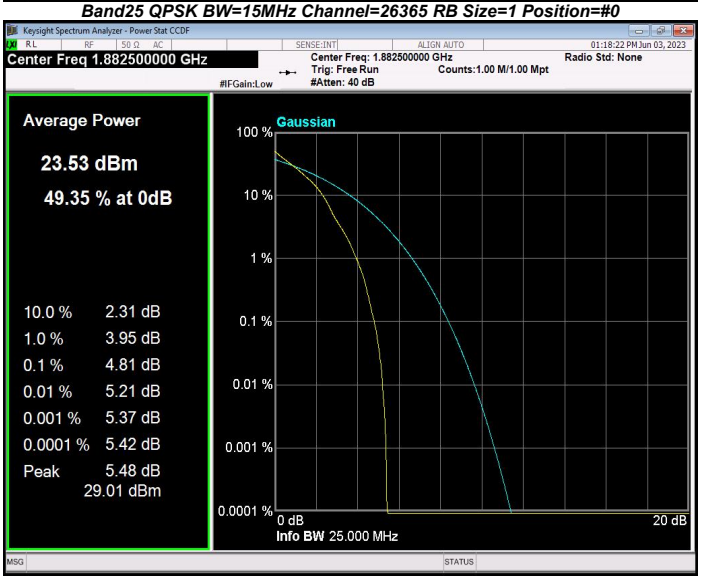


Band25 QPSK BW=15MHz Channel=26115 RB Size=1 Position=#0

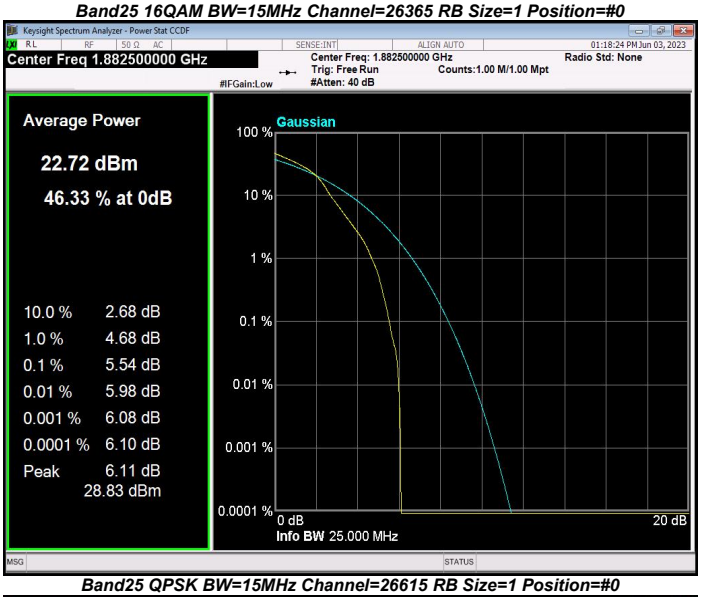


Band25 16QAM BW=15MHz Channel=26115 RB Size=1 Position=#0

Band25 QPSK BW=15MHz Channel=26365 RB Size=1 Position=#0

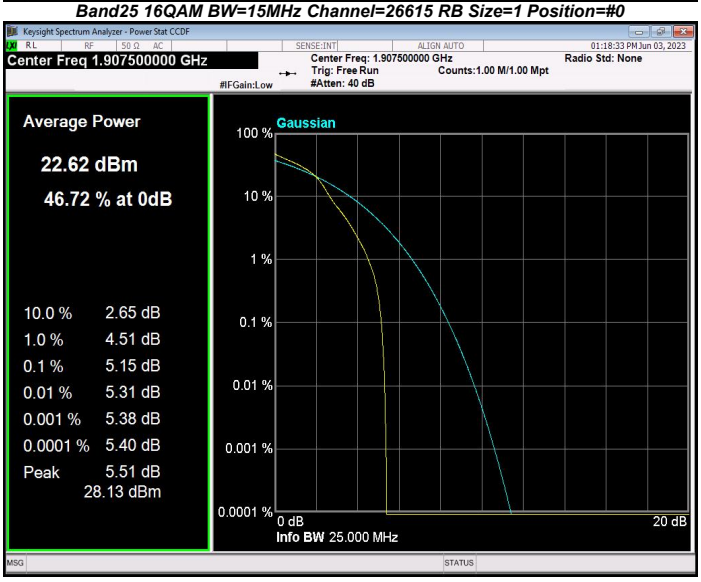


Band25 16QAM BW=15MHz Channel=26365 RB Size=1 Position=#0

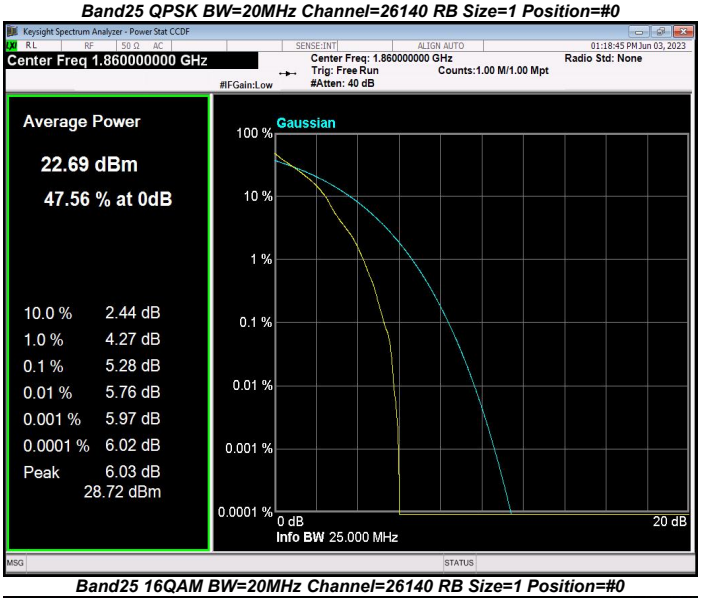


Band25 QPSK BW=15MHz Channel=26615 RB Size=1 Position=#0

Band25 16QAM BW=15MHz Channel=26615 RB Size=1 Position=#0

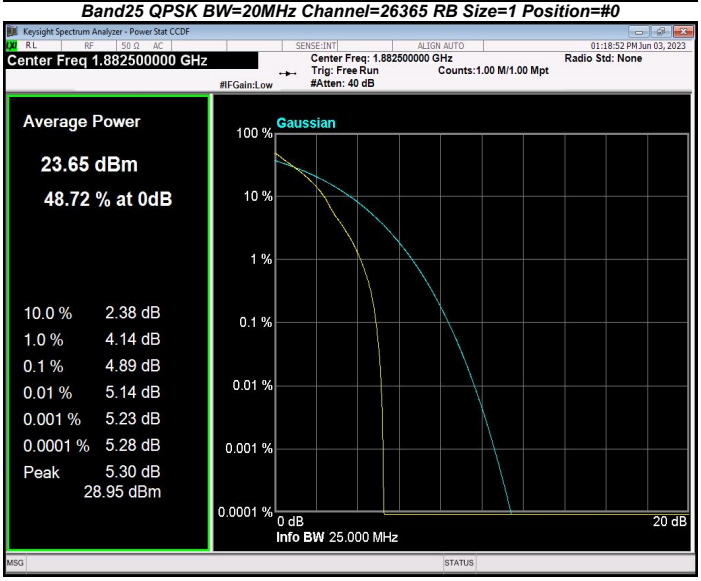


Band25 QPSK BW=20MHz Channel=26140 RB Size=1 Position=#0

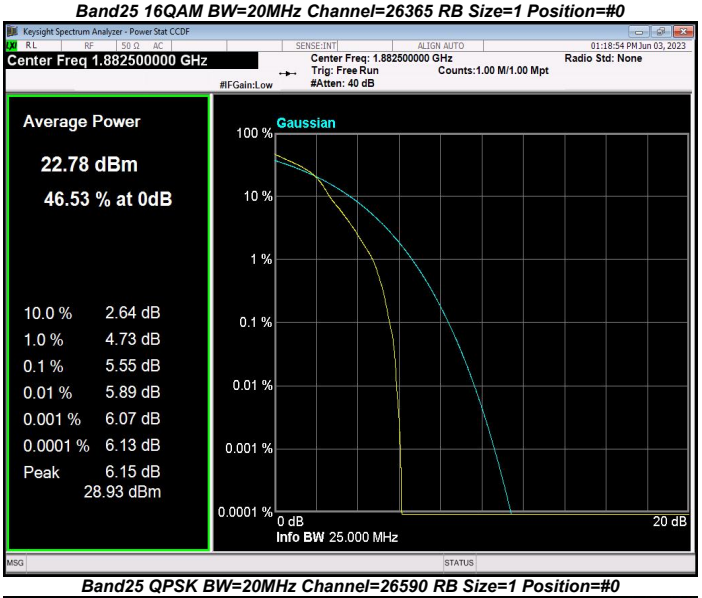


Band25 16QAM BW=20MHz Channel=26140 RB Size=1 Position=#0

Band25 QPSK BW=20MHz Channel=26365 RB Size=1 Position=#0

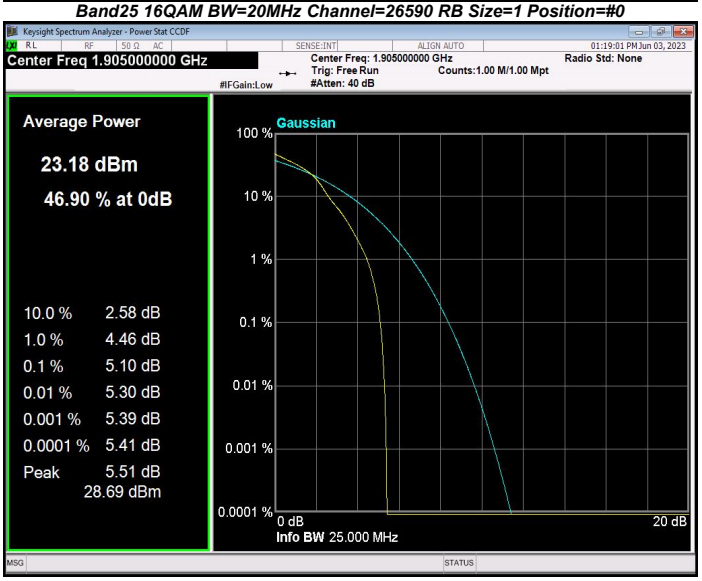


Band25 16QAM BW=20MHz Channel=26365 RB Size=1 Position=#0



Band25 QPSK BW=20MHz Channel=26590 RB Size=1 Position=#0

Band25 16QAM BW=20MHz Channel=26590 RB Size=1 Position=#0

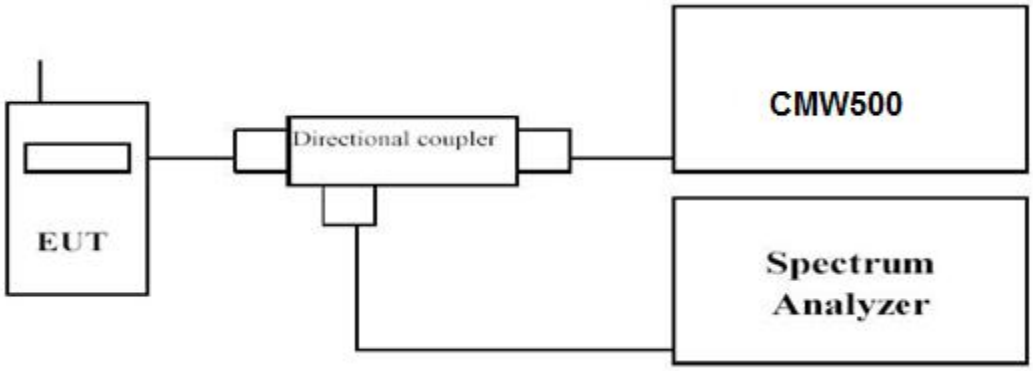


4.3 Occupied Bandwidth and Emission Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

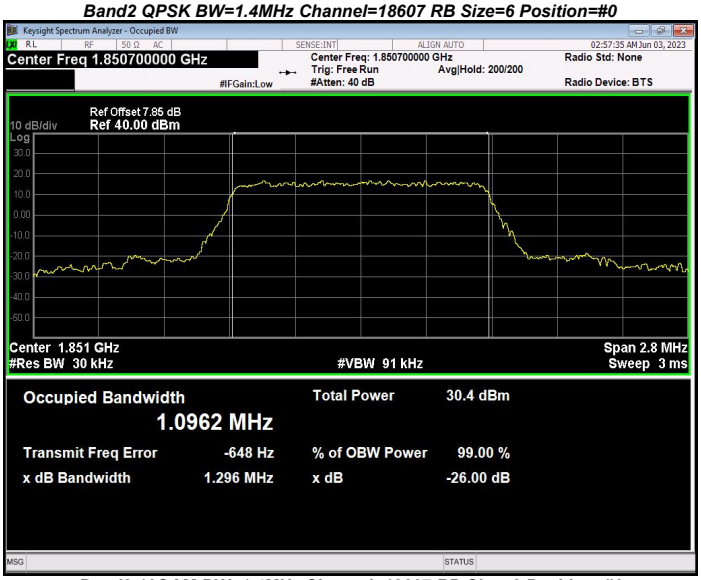
The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at low, middle and high channel in each band. The -26dBc Emission bandwidth was also measured and recorded.
Set RBWwas set to about 1% of emission BW, VBW≥3 times RBW.
-26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth isthe delta frequency between the two points where the display line intersects the signal trace.

TEST RESULTS

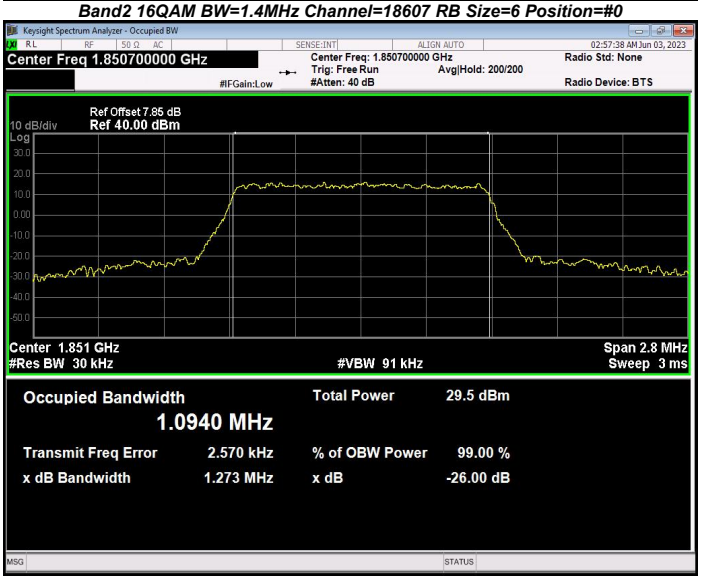
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band2	1.4	18607	6	#0	QPSK	1.096	1.296	PASS
Band2	1.4	18607	6	#0	16QAM	1.094	1.273	PASS
Band2	1.4	18900	6	#0	QPSK	1.106	1.271	PASS
Band2	1.4	18900	6	#0	16QAM	1.097	1.295	PASS
Band2	1.4	19193	6	#0	QPSK	1.098	1.274	PASS
Band2	1.4	19193	6	#0	16QAM	1.103	1.287	PASS
Band2	3	18615	15	#0	QPSK	2.684	2.967	PASS
Band2	3	18615	15	#0	16QAM	2.693	2.947	PASS
Band2	3	18900	15	#0	QPSK	2.696	2.967	PASS
Band2	3	18900	15	#0	16QAM	2.685	3.012	PASS
Band2	3	19185	15	#0	QPSK	2.691	2.936	PASS
Band2	3	19185	15	#0	16QAM	2.681	2.960	PASS
Band2	5	18625	25	#0	QPSK	4.504	4.937	PASS
Band2	5	18625	25	#0	16QAM	4.501	4.913	PASS
Band2	5	18900	25	#0	QPSK	4.506	4.870	PASS
Band2	5	18900	25	#0	16QAM	4.544	4.934	PASS
Band2	5	19175	25	#0	QPSK	4.503	4.862	PASS
Band2	5	19175	25	#0	16QAM	4.504	4.866	PASS
Band2	10	18650	50	#0	QPSK	8.988	9.662	PASS
Band2	10	18650	50	#0	16QAM	8.952	9.588	PASS
Band2	10	18900	50	#0	QPSK	9.005	9.751	PASS
Band2	10	18900	50	#0	16QAM	8.981	9.753	PASS
Band2	10	19150	50	#0	QPSK	8.947	9.656	PASS
Band2	10	19150	50	#0	16QAM	8.935	9.663	PASS
Band2	15	18675	75	#0	QPSK	13.400	14.353	PASS
Band2	15	18675	75	#0	16QAM	13.418	14.445	PASS
Band2	15	18900	75	#0	QPSK	13.466	14.694	PASS
Band2	15	18900	75	#0	16QAM	13.497	14.447	PASS
Band2	15	19125	75	#0	QPSK	13.456	14.533	PASS
Band2	15	19125	75	#0	16QAM	13.412	14.401	PASS
Band2	20	18700	100	#0	QPSK	17.908	19.167	PASS
Band2	20	18700	100	#0	16QAM	17.871	19.369	PASS
Band2	20	18900	100	#0	QPSK	17.911	19.233	PASS
Band2	20	18900	100	#0	16QAM	17.910	19.251	PASS
Band2	20	19100	100	#0	QPSK	18.045	19.448	PASS
Band2	20	19100	100	#0	16QAM	18.035	19.535	PASS
Band4	1.4	19957	6	#0	QPSK	1.096	1.275	PASS
Band4	1.4	19957	6	#0	16QAM	1.094	1.271	PASS
Band4	1.4	20175	6	#0	QPSK	1.097	1.269	PASS
Band4	1.4	20175	6	#0	16QAM	1.091	1.273	PASS
Band4	1.4	20393	6	#0	QPSK	1.098	1.258	PASS
Band4	1.4	20393	6	#0	16QAM	1.098	1.299	PASS
Band4	3	19965	15	#0	QPSK	2.690	2.979	PASS
Band4	3	19965	15	#0	16QAM	2.689	2.994	PASS
Band4	3	20175	15	#0	QPSK	2.688	2.993	PASS
Band4	3	20175	15	#0	16QAM	2.682	2.971	PASS
Band4	3	20385	15	#0	QPSK	2.686	2.961	PASS
Band4	3	20385	15	#0	16QAM	2.685	2.974	PASS
Band4	5	19975	25	#0	QPSK	4.512	4.878	PASS
Band4	5	19975	25	#0	16QAM	4.532	4.932	PASS
Band4	5	20175	25	#0	QPSK	4.519	4.880	PASS
Band4	5	20175	25	#0	16QAM	4.502	4.922	PASS
Band4	5	20375	25	#0	QPSK	4.513	4.898	PASS
Band4	5	20375	25	#0	16QAM	4.507	4.873	PASS
Band4	10	20000	50	#0	QPSK	8.936	9.633	PASS
Band4	10	20000	50	#0	16QAM	8.967	9.624	PASS
Band4	10	20175	50	#0	QPSK	8.954	9.638	PASS
Band4	10	20175	50	#0	16QAM	8.991	9.636	PASS
Band4	10	20350	50	#0	QPSK	8.947	9.739	PASS
Band4	10	20350	50	#0	16QAM	8.956	9.661	PASS
Band4	15	20025	75	#0	QPSK	13.386	14.516	PASS
Band4	15	20025	75	#0	16QAM	13.431	14.293	PASS
Band4	15	20175	75	#0	QPSK	13.460	14.537	PASS
Band4	15	20175	75	#0	16QAM	13.472	14.359	PASS
Band4	15	20325	75	#0	QPSK	13.462	14.436	PASS
Band4	15	20325	75	#0	16QAM	13.470	14.440	PASS
Band4	20	20050	100	#0	QPSK	17.829	19.133	PASS
Band4	20	20050	100	#0	16QAM	17.859	19.170	PASS
Band4	20	20175	100	#0	QPSK	17.970	19.293	PASS
Band4	20	20175	100	#0	16QAM	18.004	19.337	PASS
Band4	20	20300	100	#0	QPSK	17.924	19.271	PASS
Band4	20	20300	100	#0	16QAM	17.966	19.262	PASS
Band25	1.4	26047	6	#0	QPSK	1.101	1.263	PASS
Band25	1.4	26047	6	#0	16QAM	1.098	1.260	PASS
Band25	1.4	26365	6	#0	QPSK	1.099	1.262	PASS
Band25	1.4	26365	6	#0	16QAM	1.100	1.302	PASS
Band25	1.4	26683	6	#0	QPSK	1.103	1.274	PASS
Band25	1.4	26683	6	#0	16QAM	1.092	1.261	PASS
Band25	3	26055	15	#0	QPSK	2.694	2.944	PASS
Band25	3	26055	15	#0	16QAM	2.695	2.983	PASS
Band25	3	26365	15	#0	QPSK	2.688	2.951	PASS
Band25	3	26365	15	#0	16QAM	2.681	2.992	PASS
Band25	3	26675	15	#0	QPSK	2.692	2.961	PASS
Band25	3	26675	15	#0	16QAM	2.686	2.978	PASS
Band25	5	26065	25	#0	QPSK	4.521	4.926	PASS
Band25	5	26065	25	#0	16QAM	4.498	4.908	PASS
Band25	5	26365	25	#0	QPSK	4.501	4.874	PASS
Band25	5	26365	25	#0	16QAM	4.523	4.914	PASS
Band25	5	26665	25	#0	QPSK	4.503	4.903	PASS
Band25	5	26665	25	#0	16QAM	4.540	4.920	PASS
Band25	10	26090	50	#0	QPSK	8.953	9.653	PASS
Band25	10	26090	50	#0	16QAM	8.963	9.662	PASS

Band25	10	26365	50	#0	QPSK	9.003	9.619	PASS
Band25	10	26365	50	#0	16QAM	8.991	9.738	PASS
Band25	10	26640	50	#0	QPSK	8.956	9.711	PASS
Band25	10	26640	50	#0	16QAM	8.954	9.690	PASS
Band25	15	26115	75	#0	QPSK	13.402	14.346	PASS
Band25	15	26115	75	#0	16QAM	13.423	14.459	PASS
Band25	15	26365	75	#0	QPSK	13.447	14.648	PASS
Band25	15	26365	75	#0	16QAM	13.487	14.526	PASS
Band25	15	26615	75	#0	QPSK	13.385	14.323	PASS
Band25	15	26615	75	#0	16QAM	13.385	14.323	PASS
Band25	20	26140	100	#0	QPSK	17.884	19.280	PASS
Band25	20	26140	100	#0	16QAM	17.903	19.368	PASS
Band25	20	26365	100	#0	QPSK	17.842	19.166	PASS
Band25	20	26365	100	#0	16QAM	17.883	19.154	PASS
Band25	20	26590	100	#0	QPSK	17.876	19.090	PASS
Band25	20	26590	100	#0	16QAM	17.891	19.121	PASS

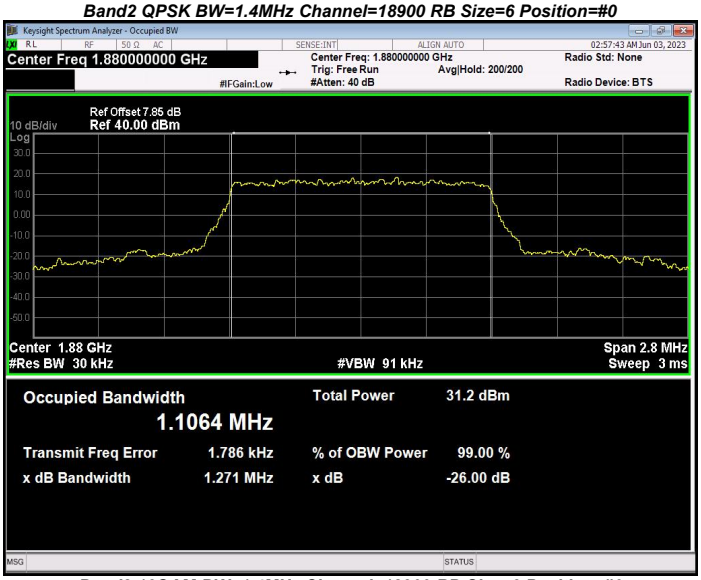
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



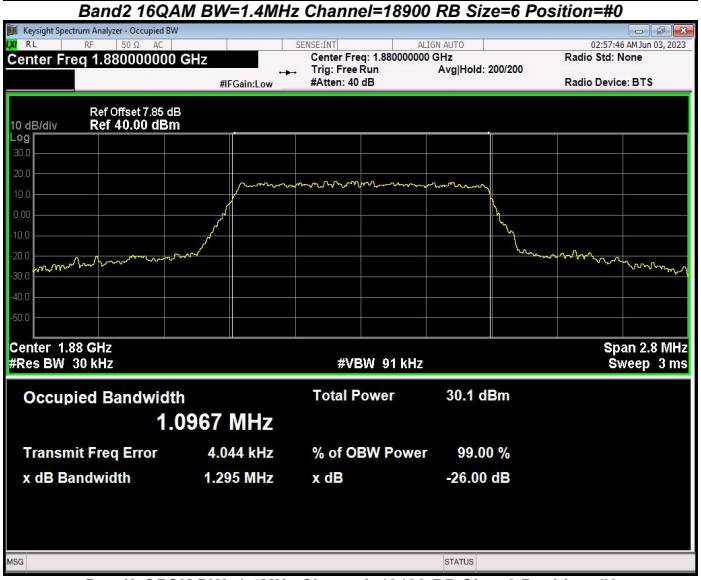
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



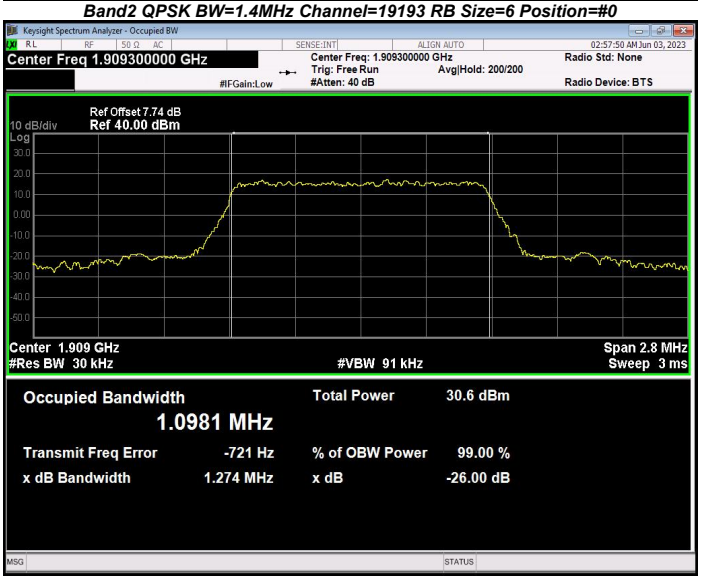
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



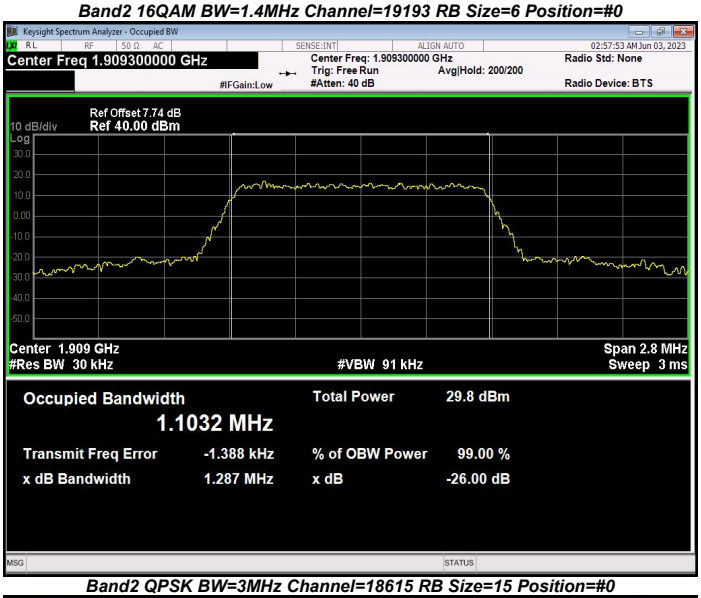
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



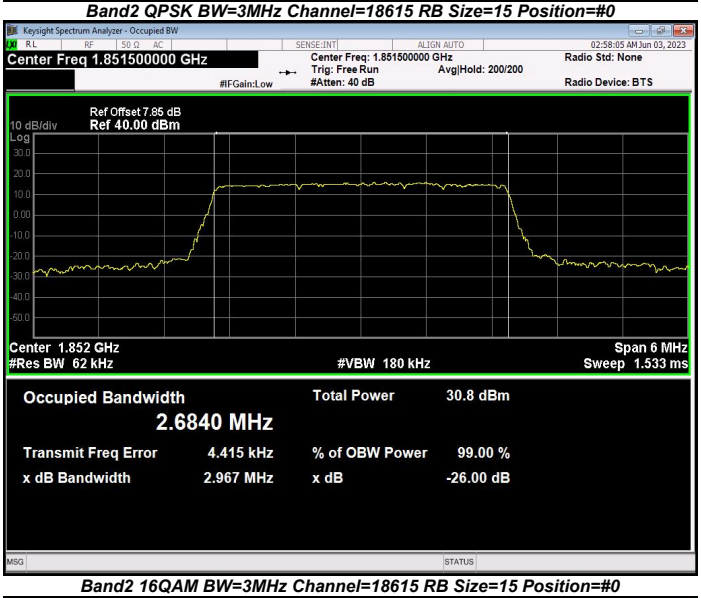
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



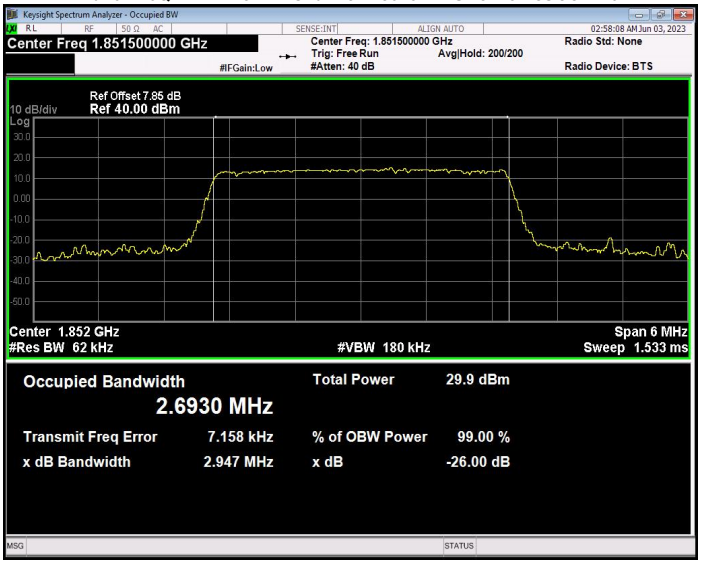
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



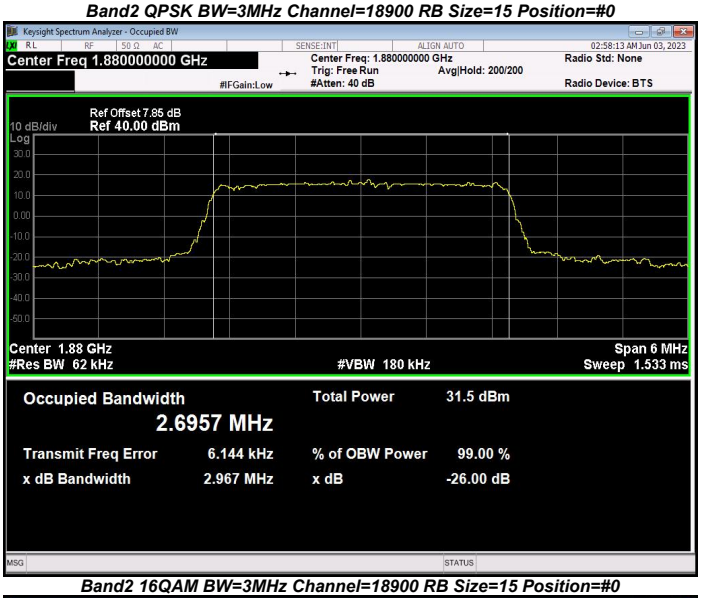
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



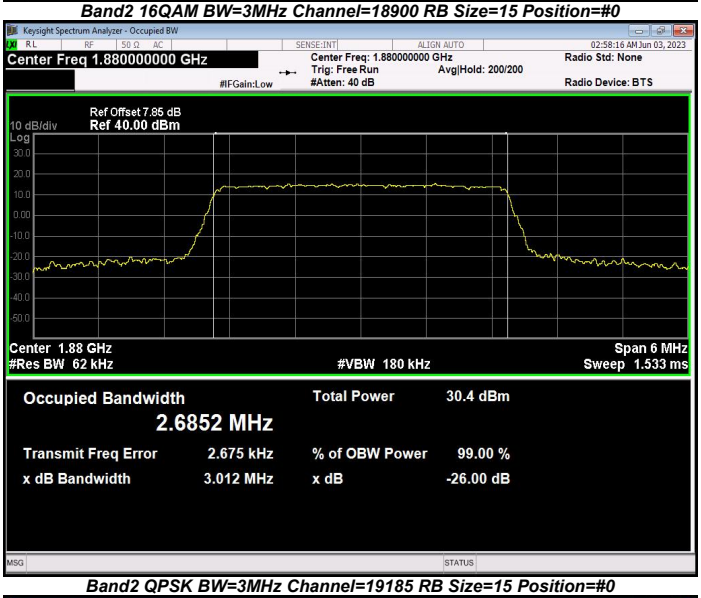
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



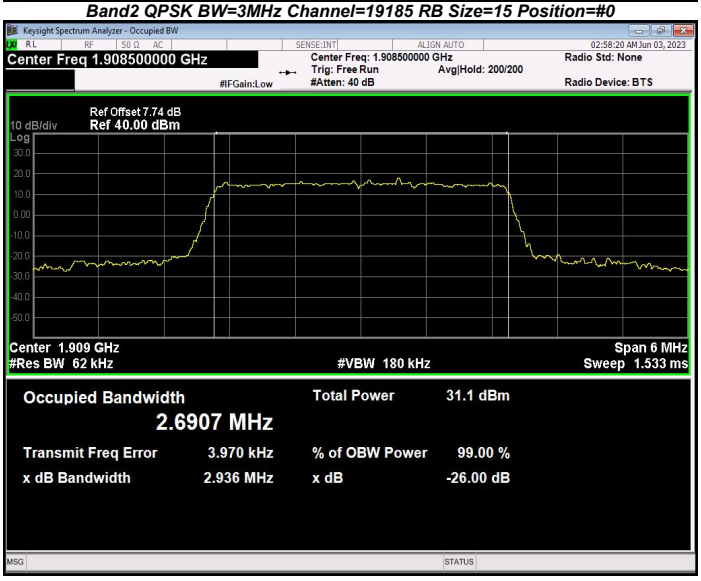
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



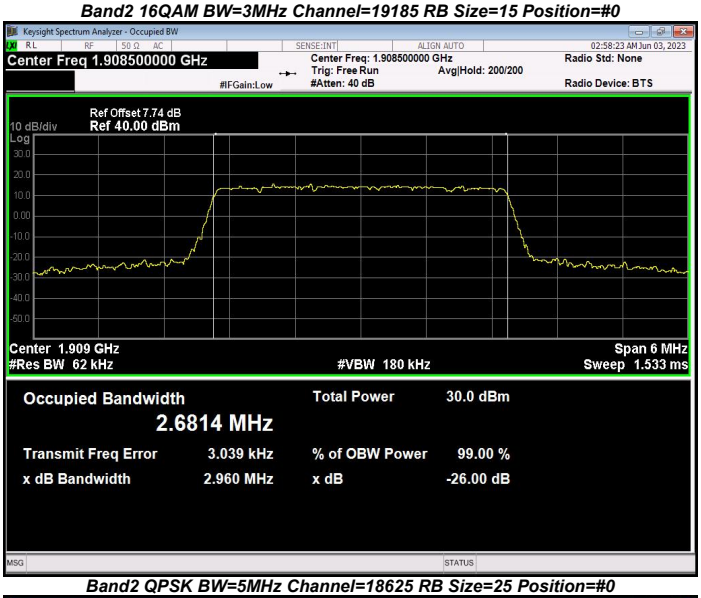
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



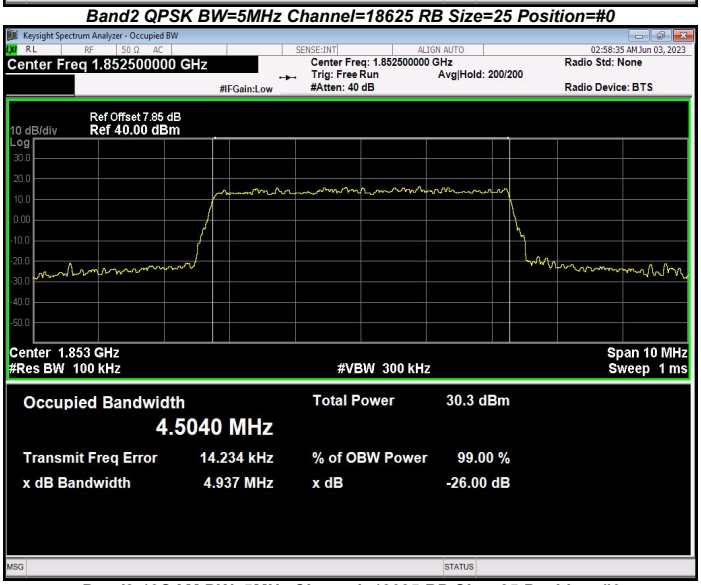
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



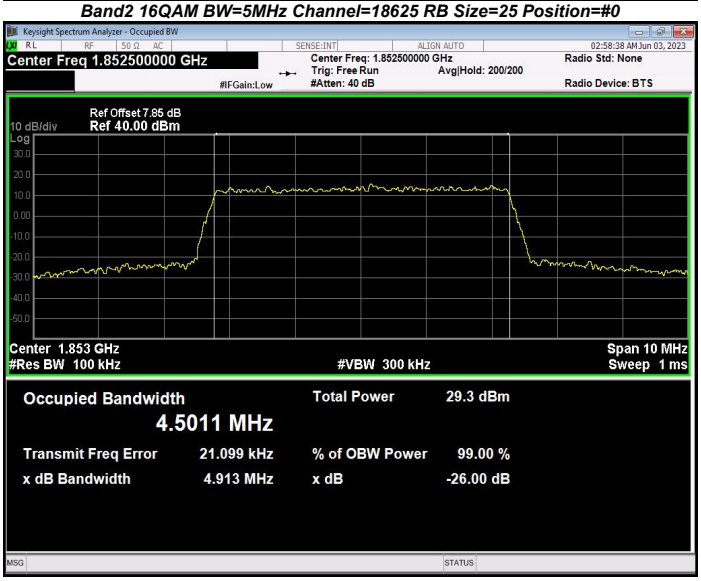
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



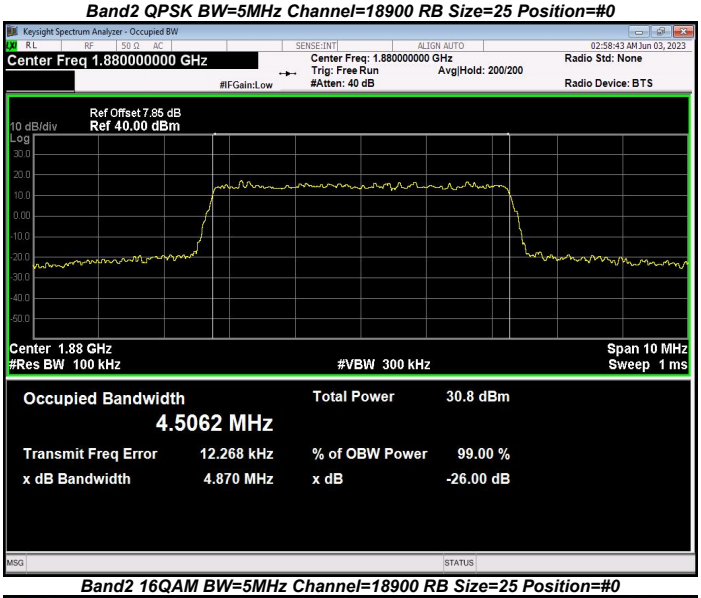
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



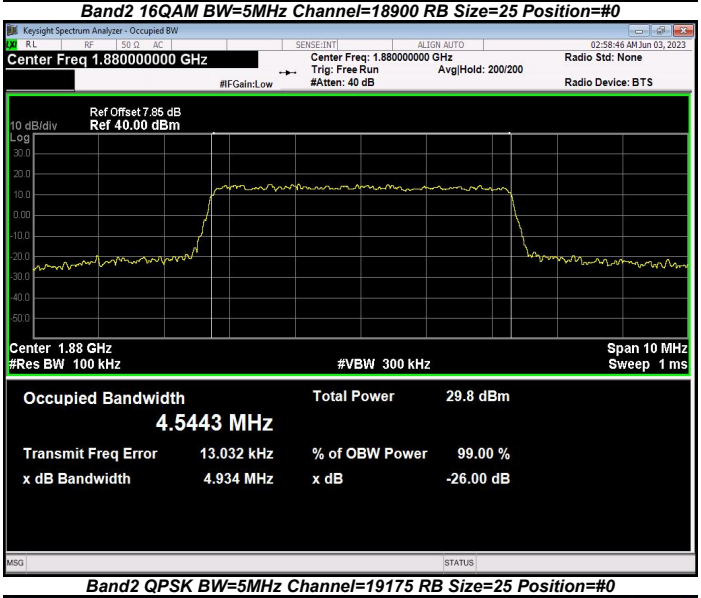
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



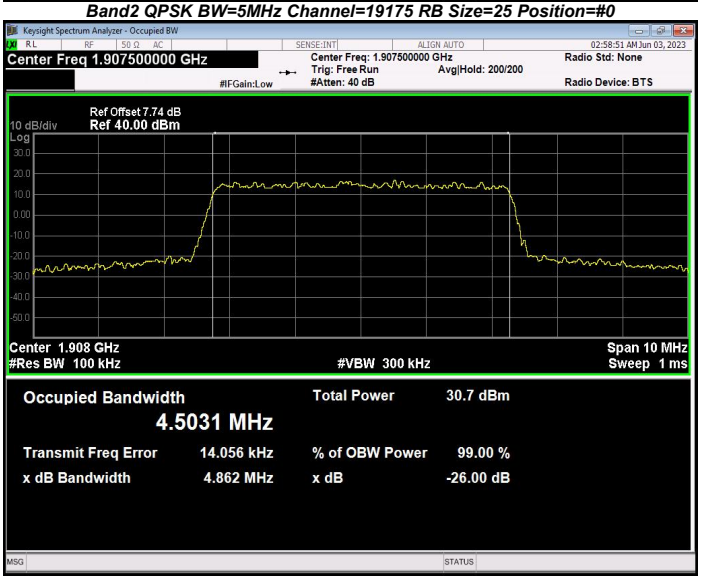
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



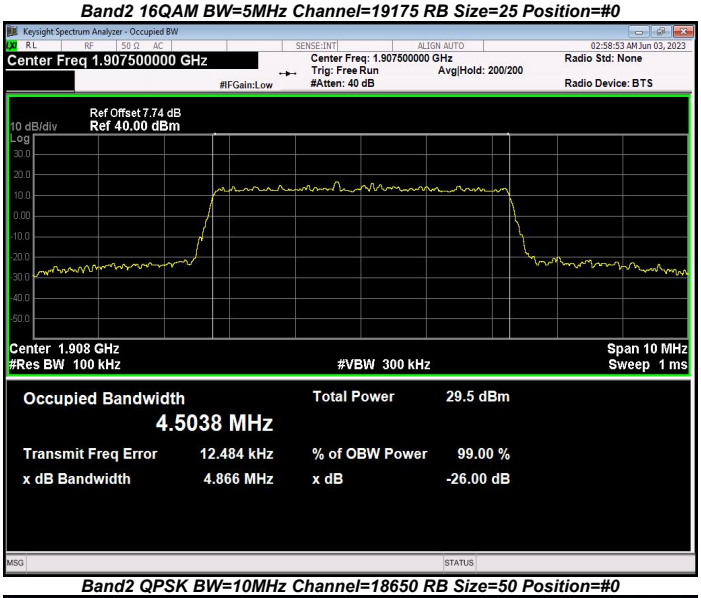
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



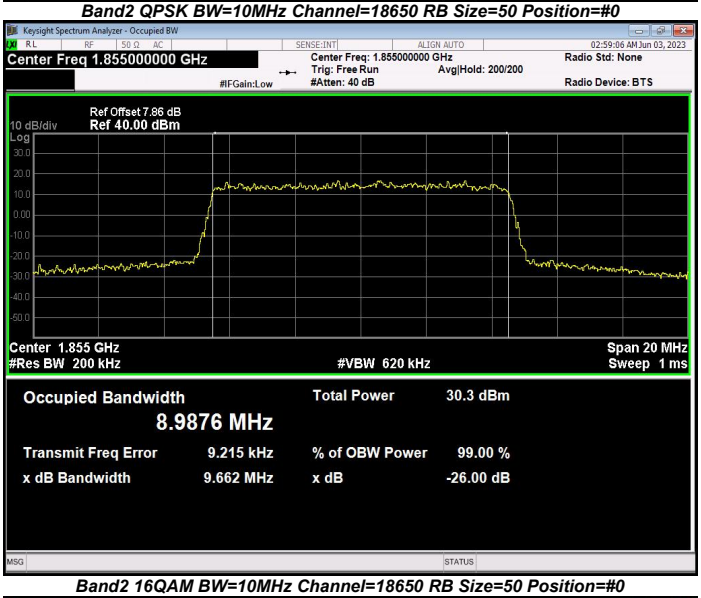
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



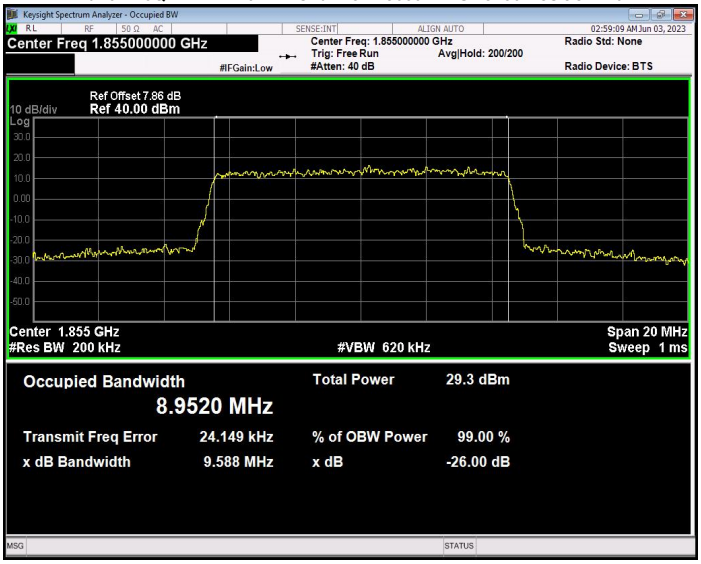
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



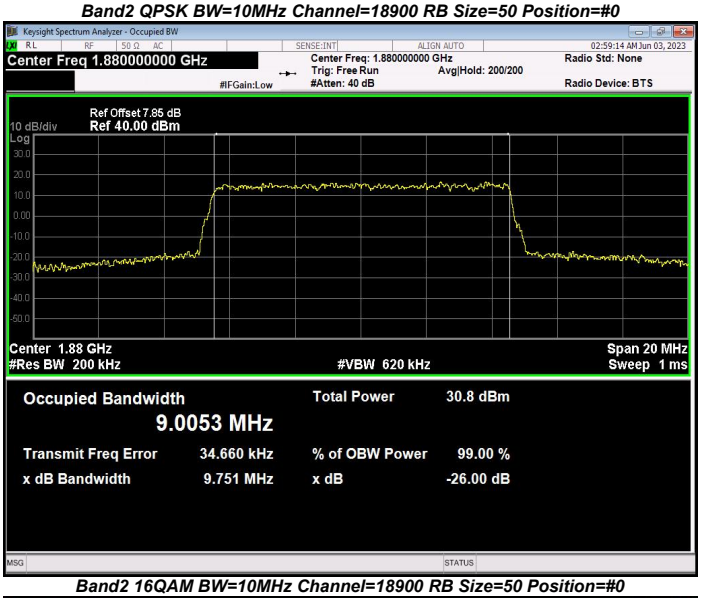
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



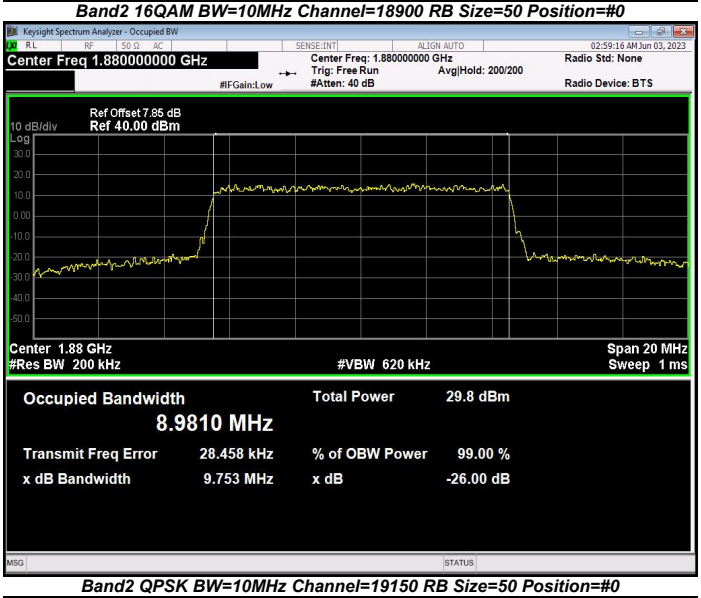
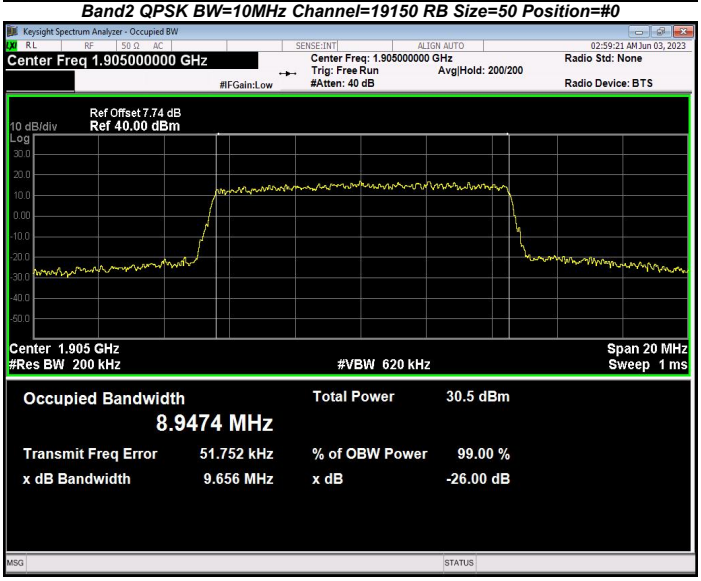
Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0



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



Band2 16QAM BW=10MHz Channel=18900 RB Size=50 Position=#0



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