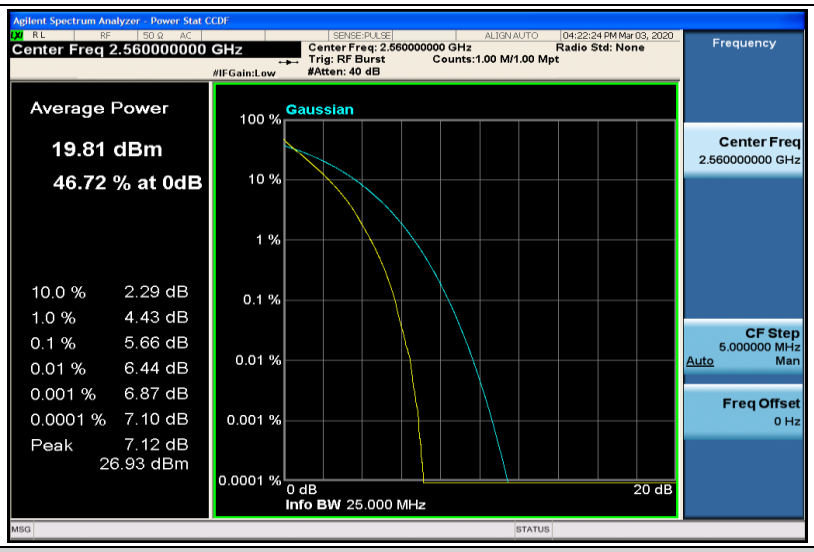

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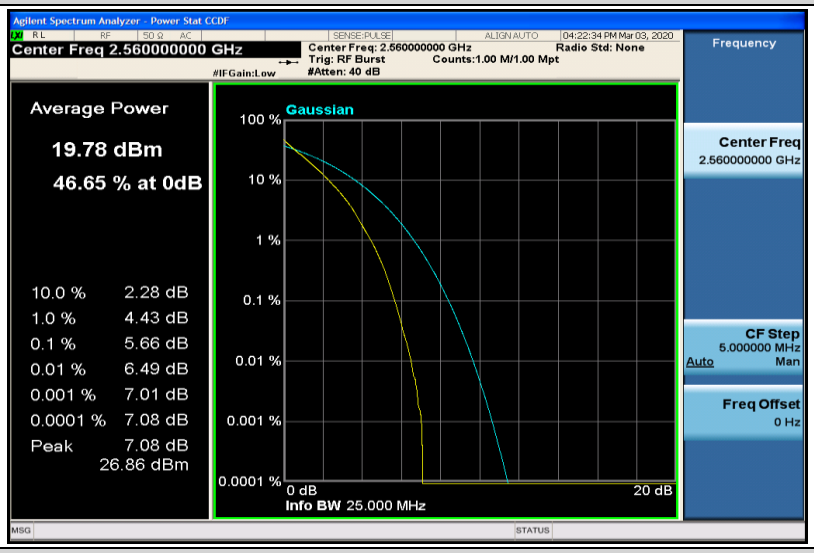

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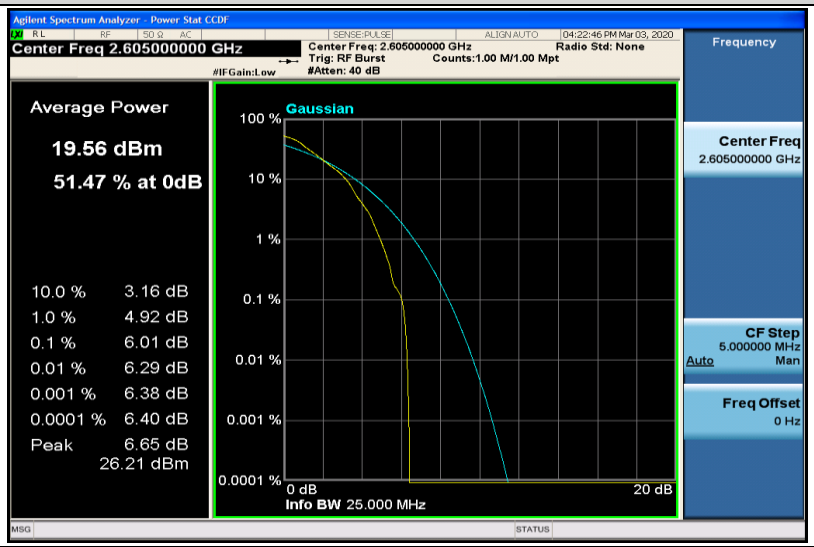

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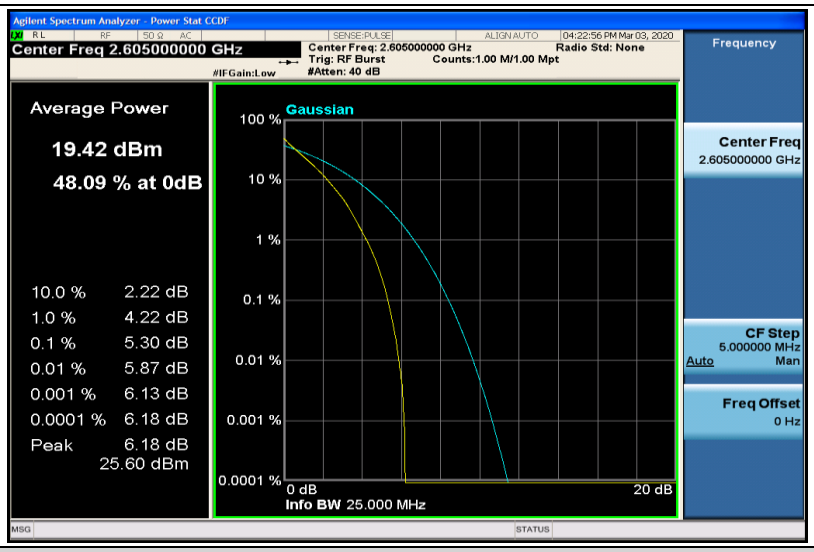

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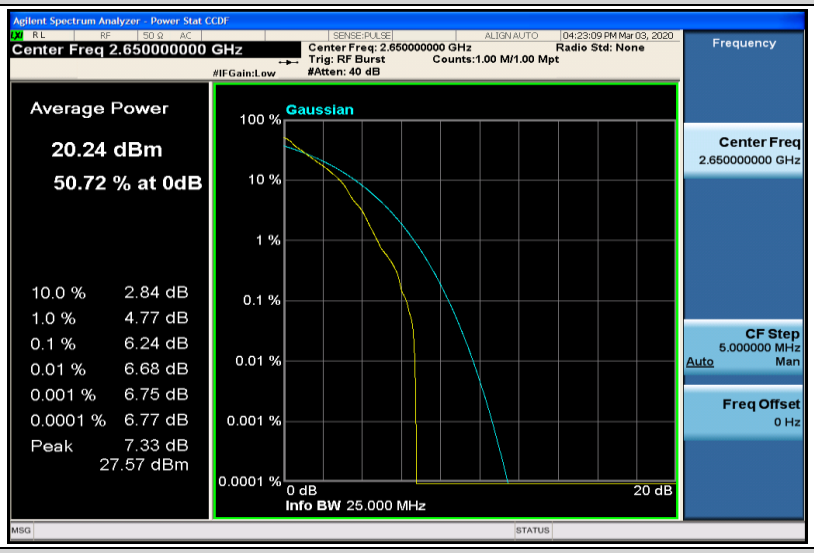

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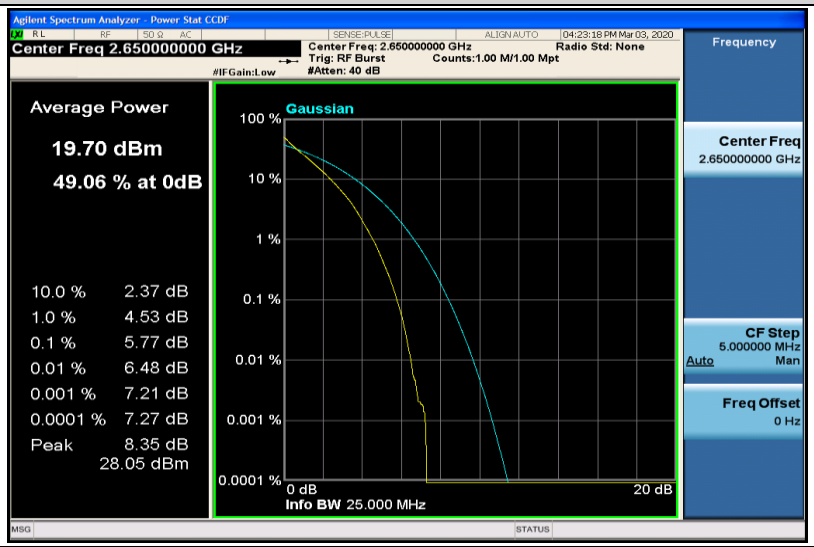

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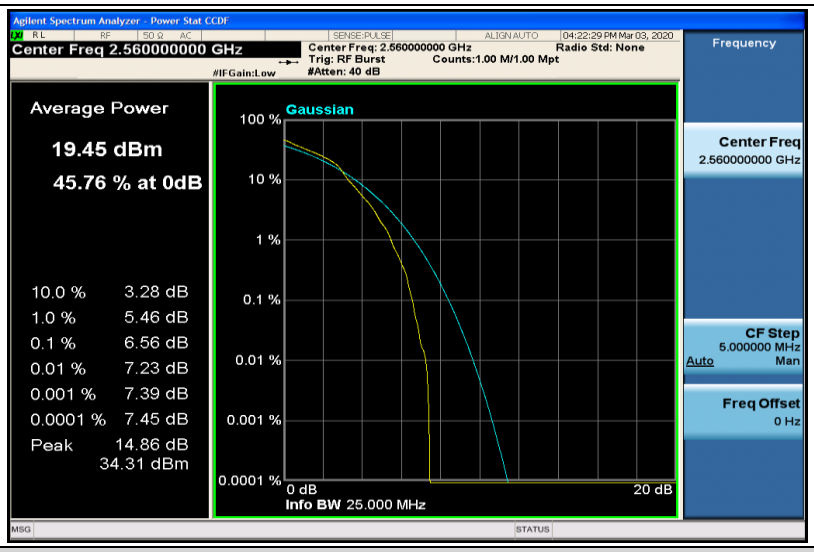

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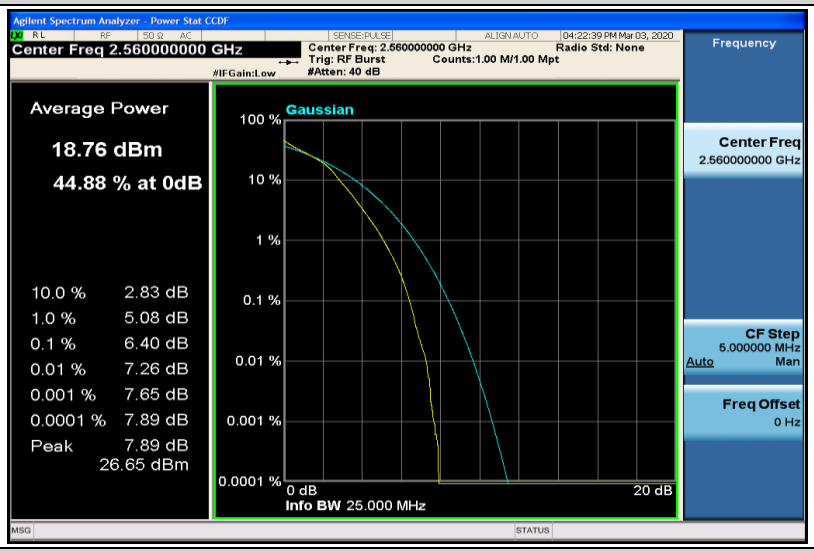

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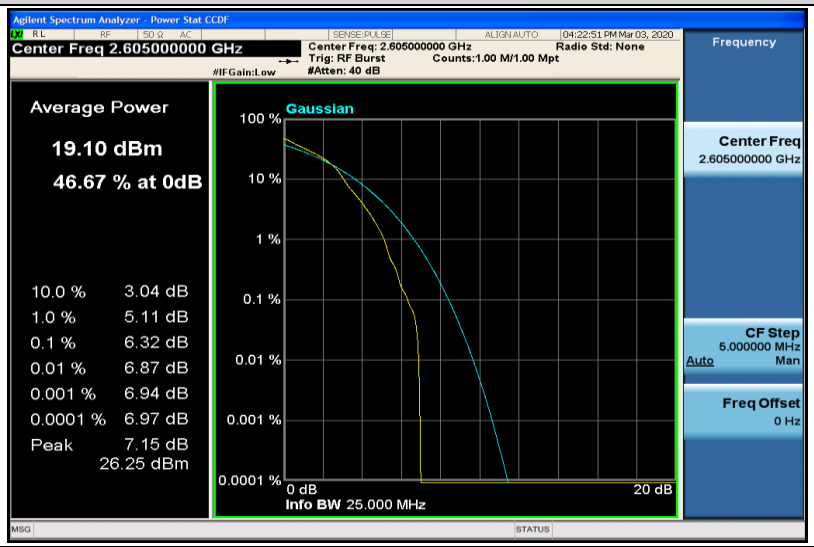

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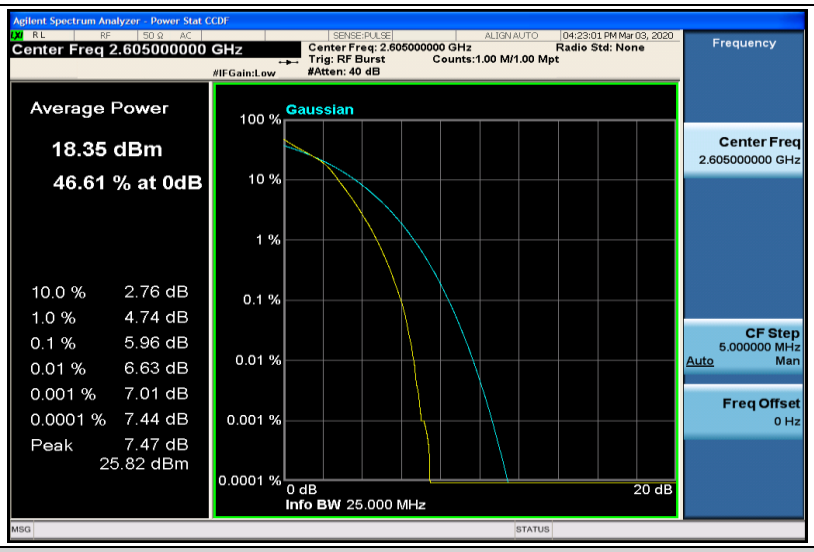

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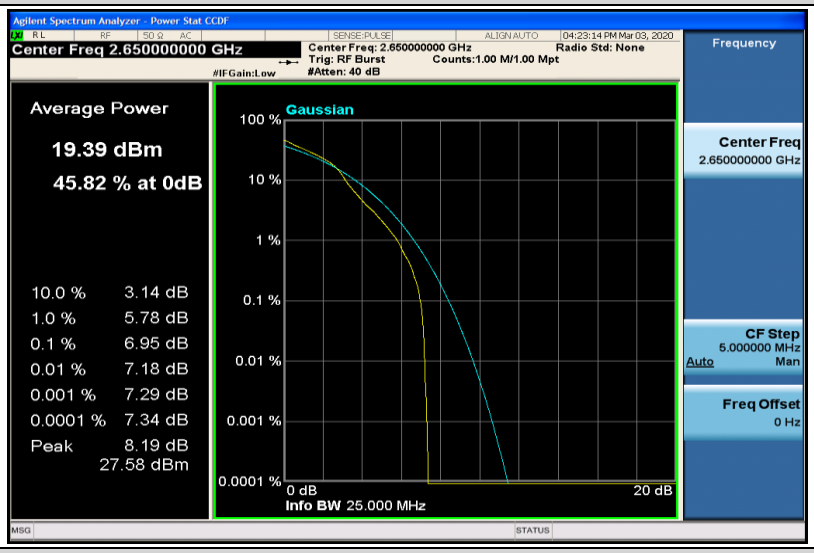

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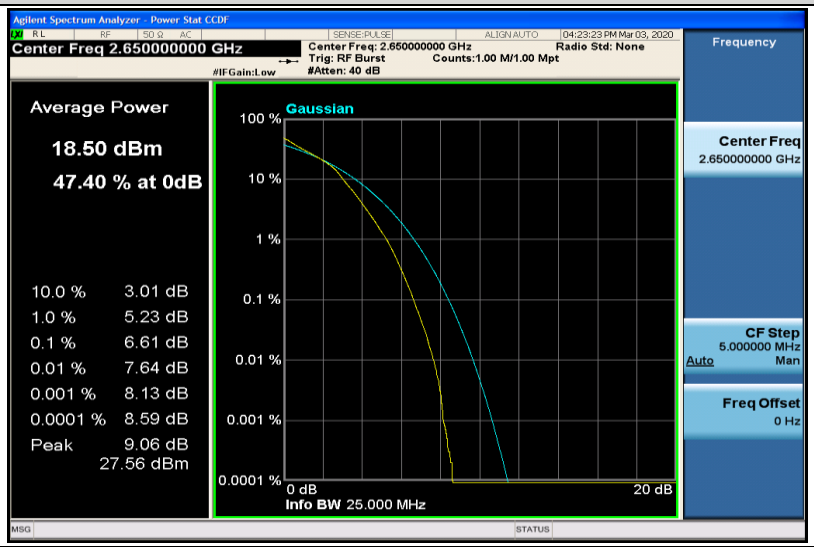

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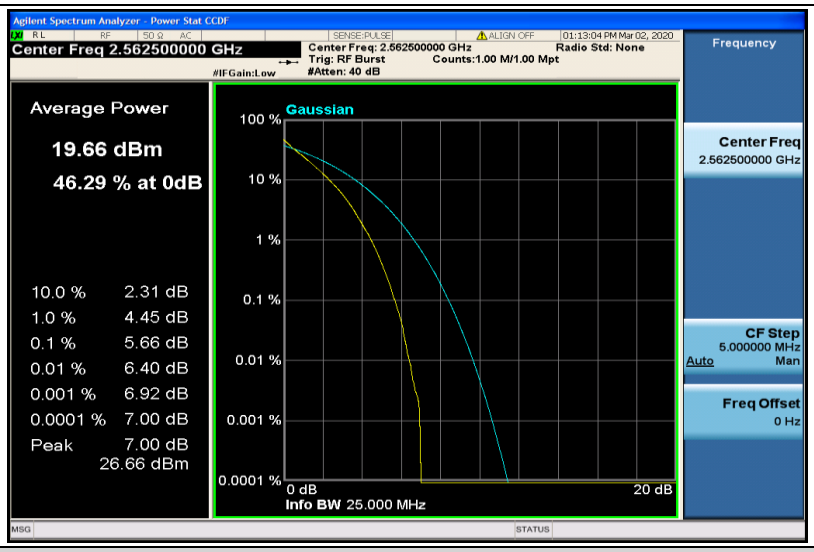

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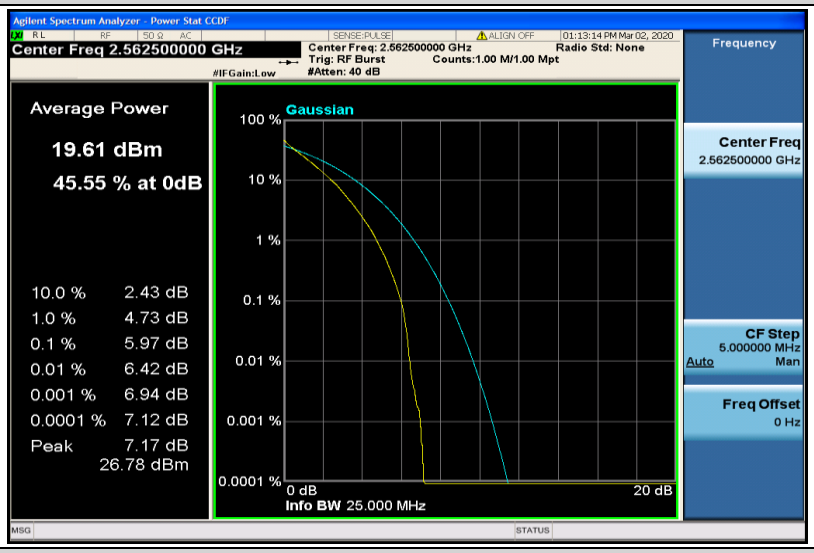

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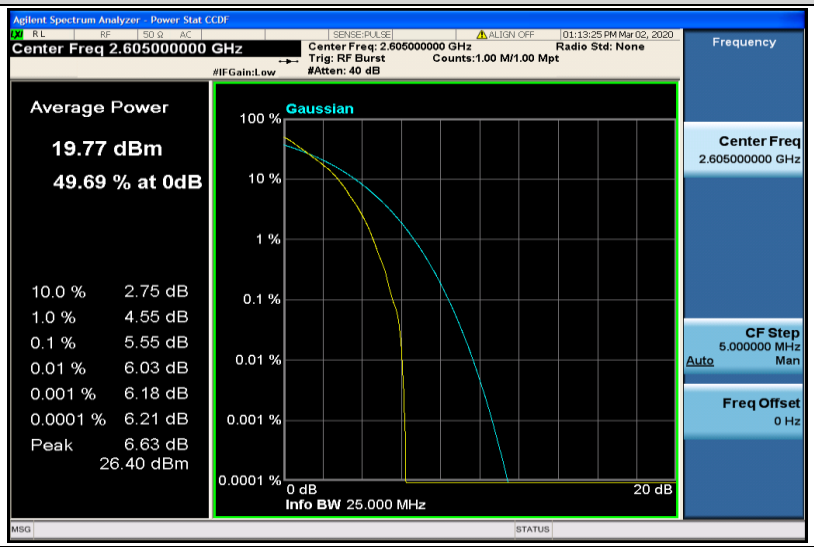

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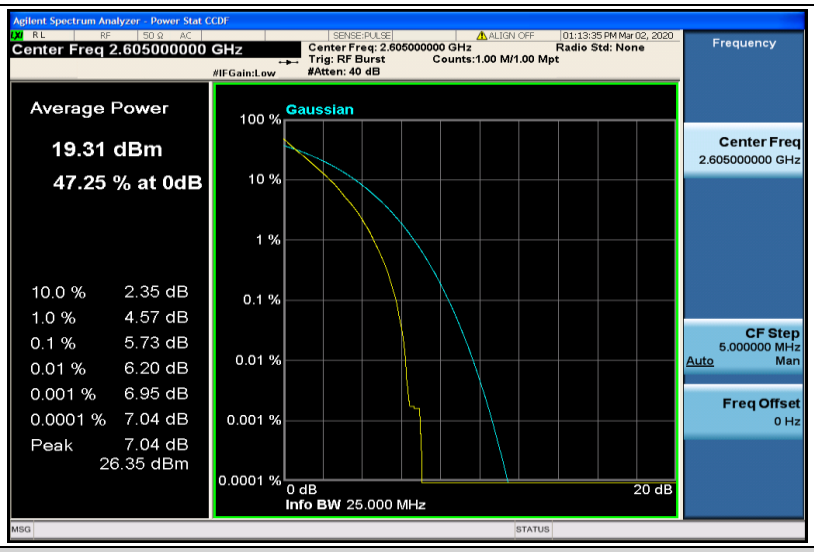

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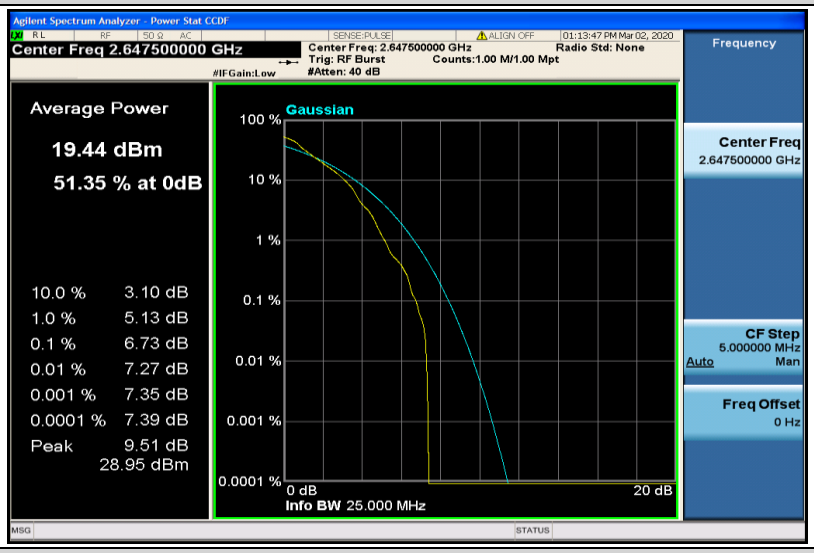

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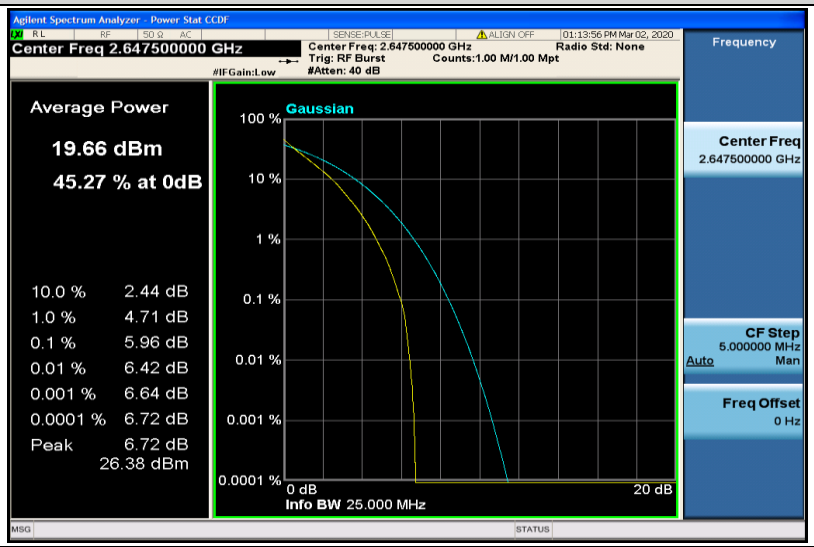

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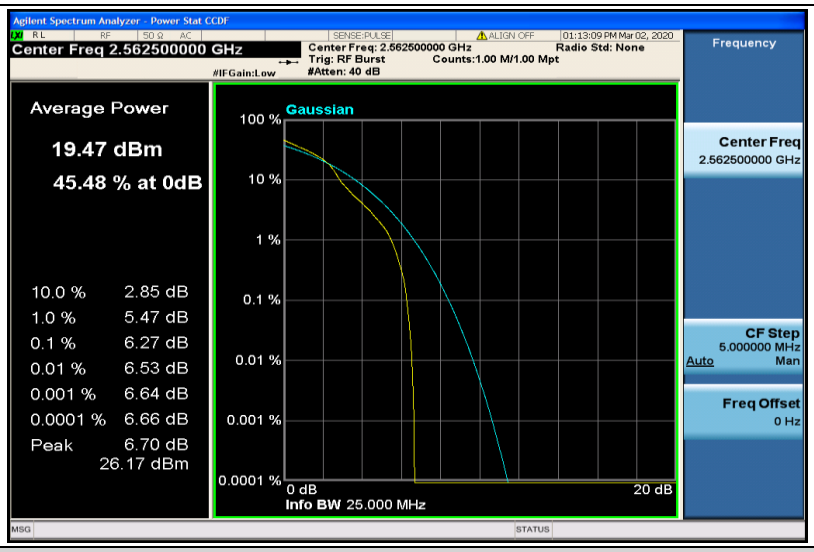

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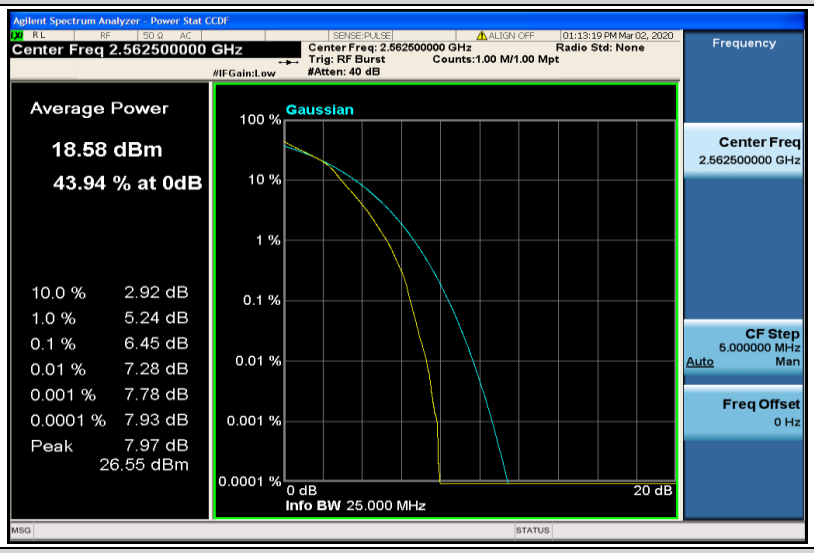

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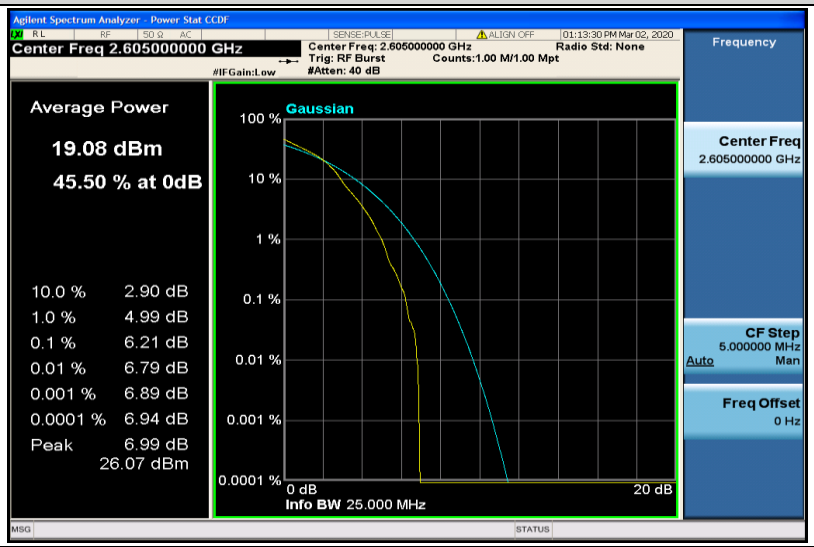

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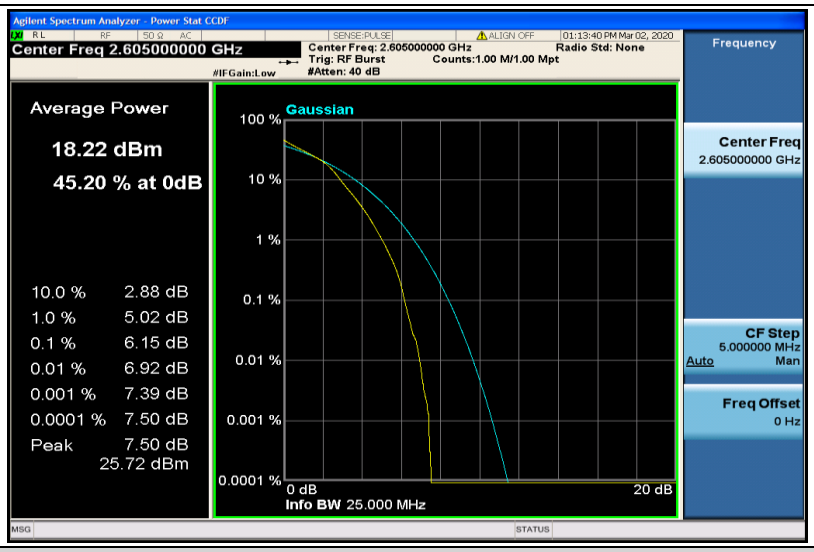

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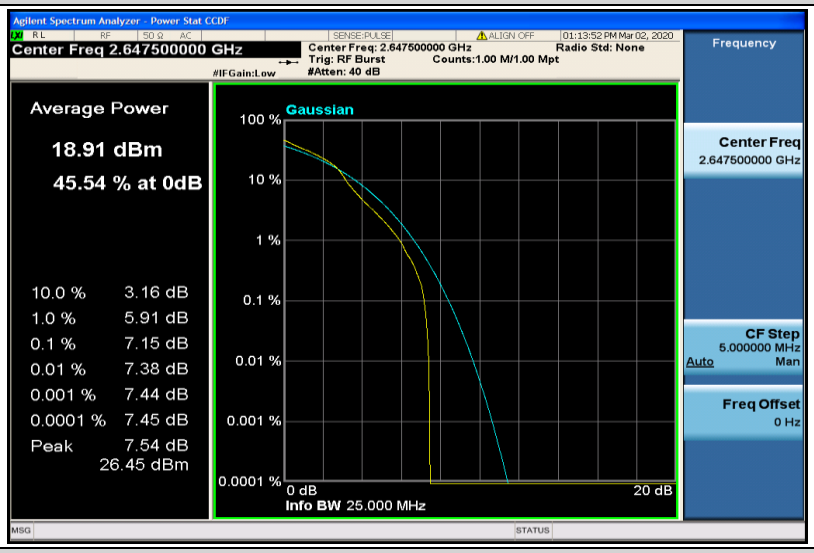

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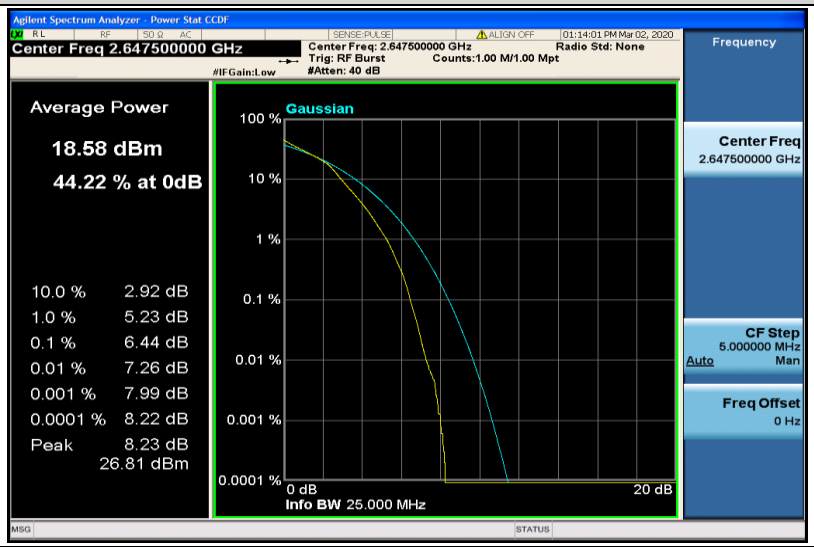

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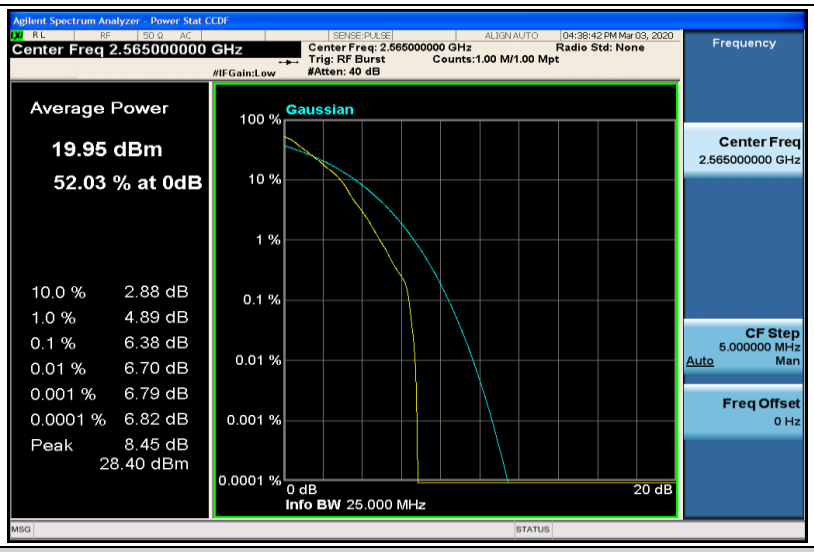

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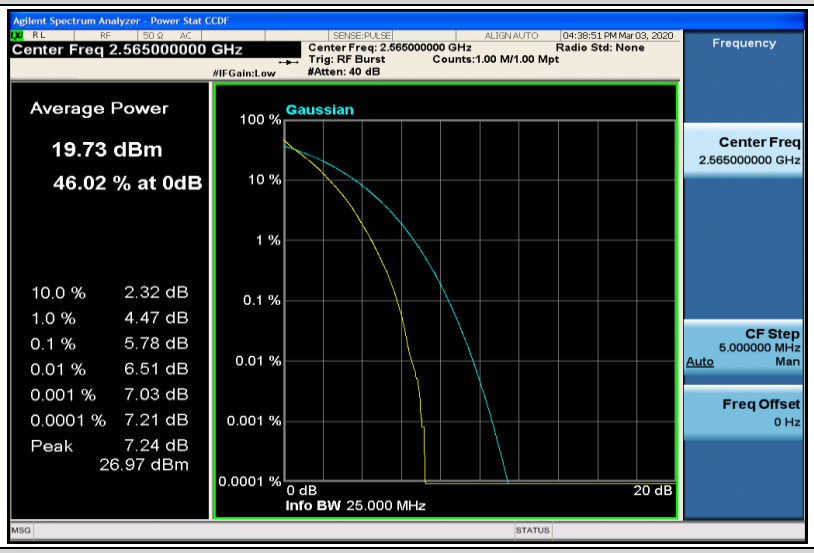

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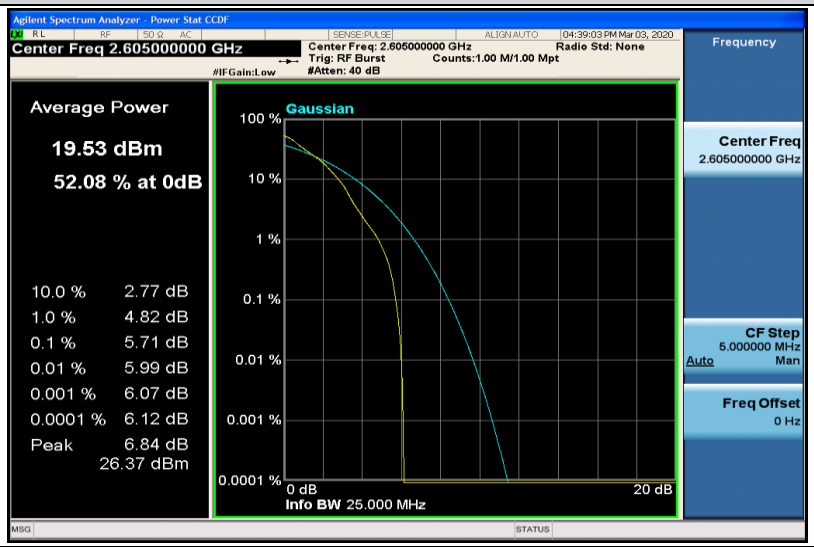

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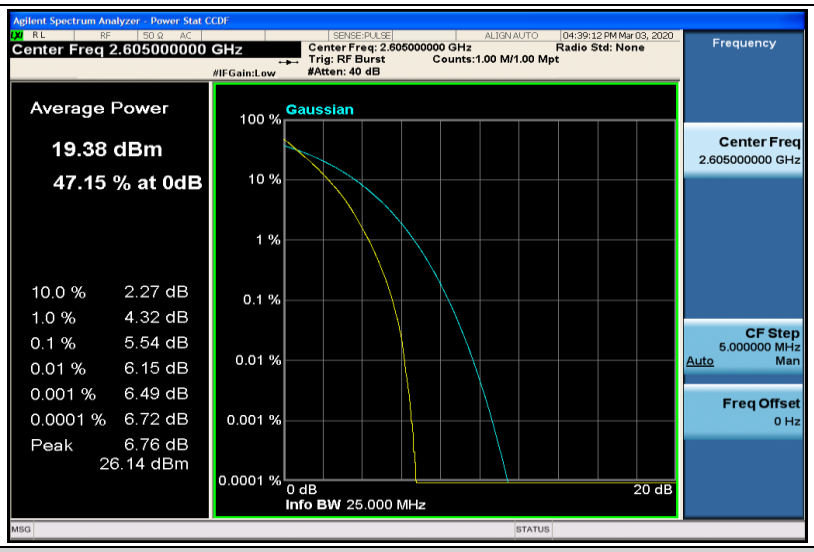

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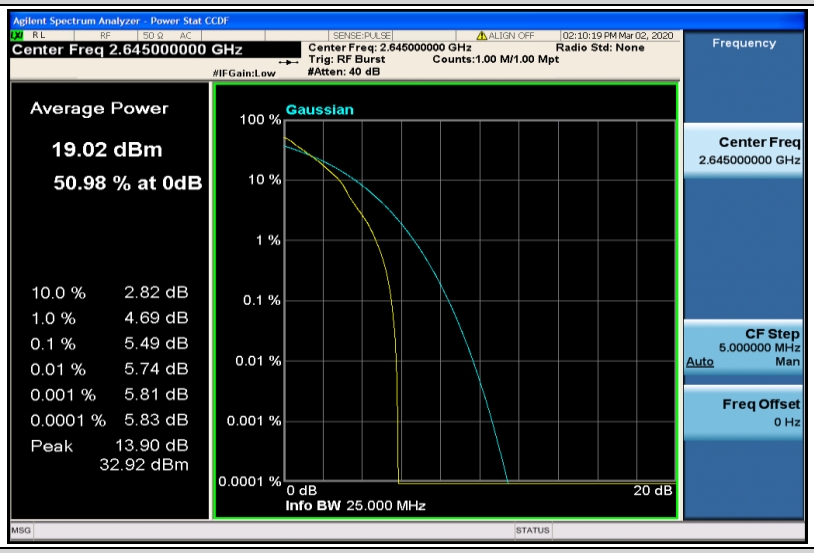

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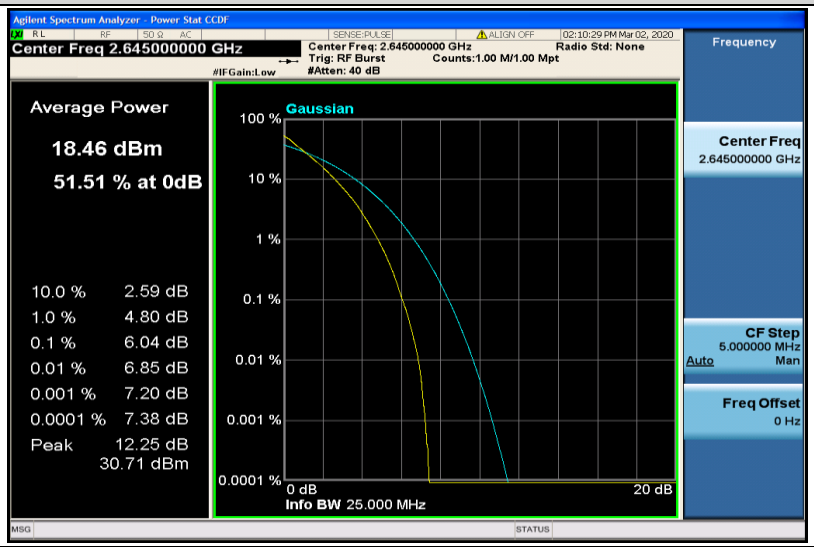

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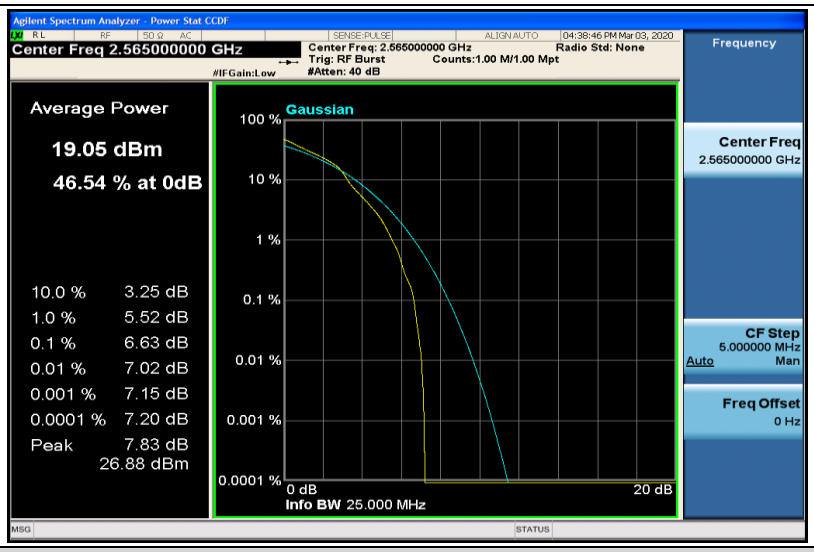

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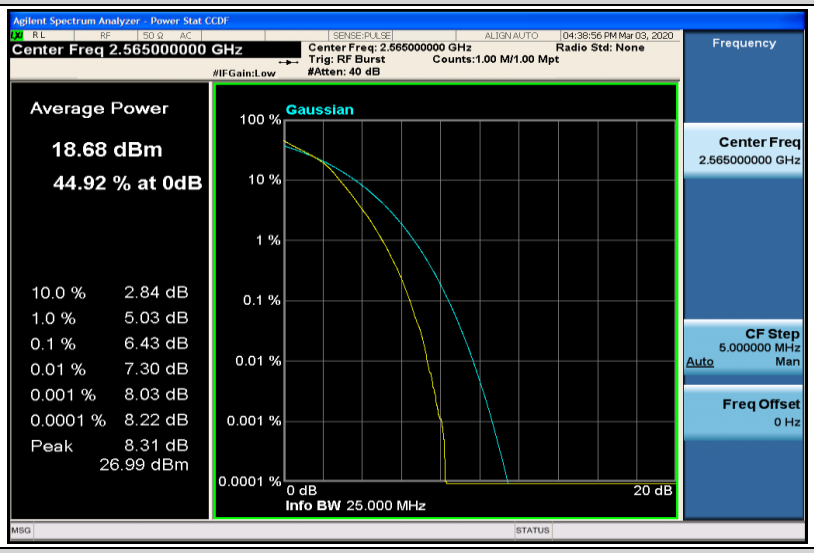

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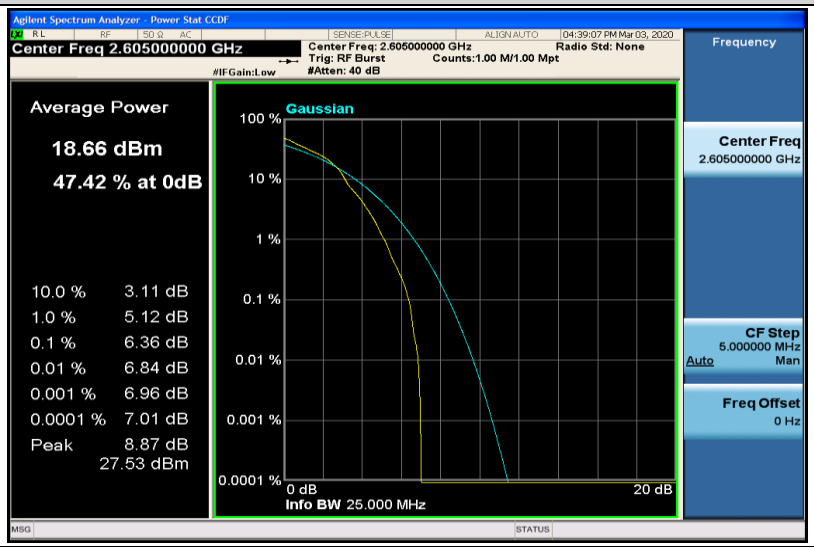

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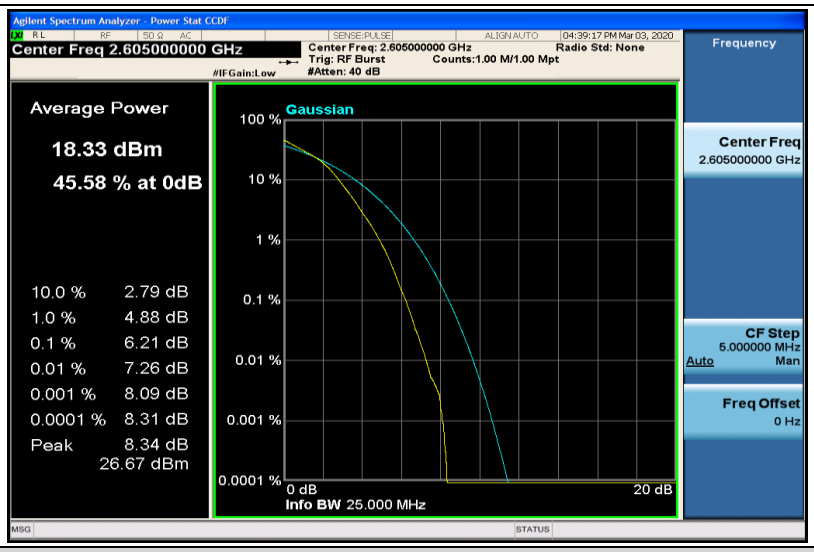

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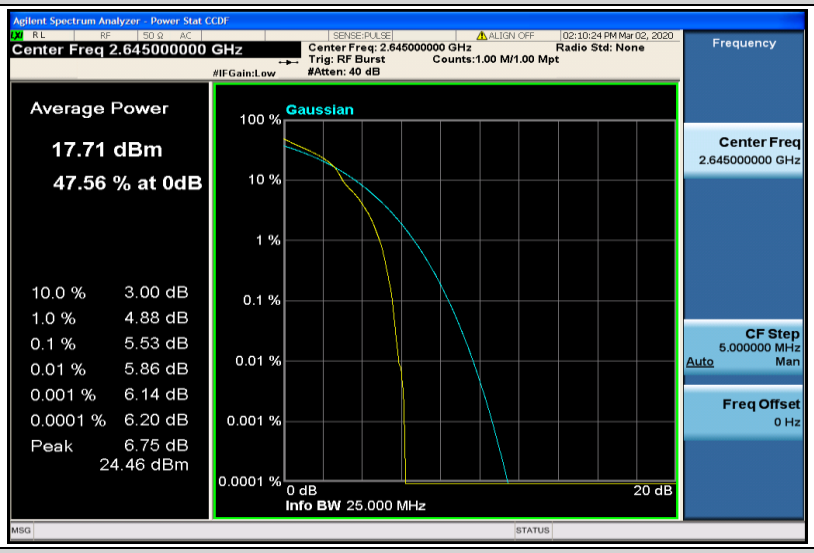

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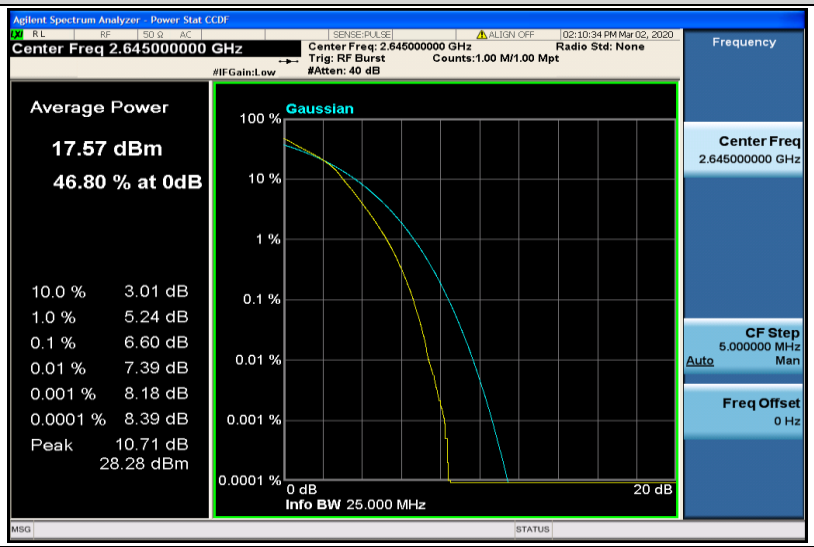


Band41-20MHz-16QAM-41140-100RB#0

8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0844	1.249	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0798	1.237	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0800	1.243	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0766	1.242	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0780	1.243	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0783	1.254	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6807	2.873	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6750	2.860	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6764	2.849	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6752	2.853	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6741	2.850	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6720	2.874	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4738	5.029	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4887	5.067	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4858	5.043	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4867	5.052	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4938	5.048	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4750	4.953	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9514	9.835	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9495	9.846	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9648	9.845	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9530	9.859	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9555	9.798	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9525	9.777	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.427	14.72	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.431	14.73	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.394	14.78	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.409	14.71	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.430	14.73	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.417	14.64	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.870	19.27	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.923	19.56	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.876	19.56	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.904	19.39	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.902	19.30	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.890	19.38	PASS

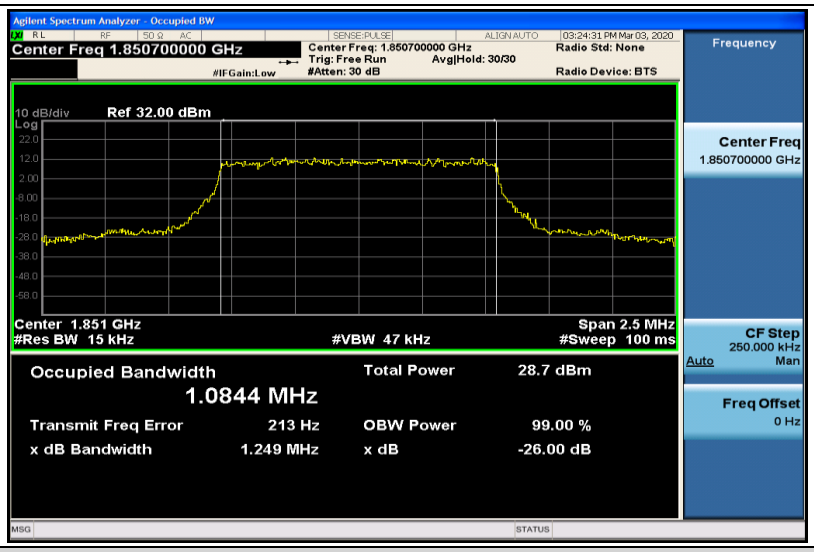
Band4	1.4MHz	QPSK	19957	6RB#0	1.0815	1.259	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0834	1.242	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0781	1.237	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0808	1.248	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0778	1.257	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0809	1.262	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6830	2.868	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6802	2.858	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6783	2.865	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6734	2.863	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6768	2.855	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6733	2.869	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4760	5.036	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4894	5.018	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4928	5.047	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4818	5.041	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4930	5.057	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4747	4.937	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9543	9.833	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9482	9.836	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9574	9.846	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9508	9.825	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9561	9.857	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9685	9.872	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.430	14.73	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.429	14.82	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.448	14.74	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.433	14.65	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.423	14.77	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.448	14.64	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.919	19.70	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.882	19.28	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.884	19.29	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.45	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.907	19.48	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.886	19.35	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1.0817	1.239	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0770	1.244	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0774	1.242	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0794	1.236	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0804	1.271	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0786	1.265	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6781	2.870	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6814	2.863	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6763	2.871	PASS

Band5	3MHz	16QAM	20415	15RB#0	2.6727	2.866	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6775	2.857	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6697	2.862	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4897	5.062	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4722	5.017	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4879	5.054	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4751	4.930	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4822	5.038	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4763	4.948	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9590	9.915	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9461	9.786	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9618	9.975	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9604	9.809	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9589	9.791	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9527	9.744	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.4901	5.048	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4759	5.035	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4817	5.025	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4810	4.977	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4852	5.053	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4915	5.047	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9448	9.884	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9530	9.823	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9695	9.846	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9606	9.889	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9525	9.777	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9534	9.777	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.440	14.68	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.403	14.72	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.431	14.81	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.456	14.47	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.442	14.71	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.419	14.69	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.912	19.31	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.905	19.40	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.882	19.25	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.907	19.40	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.886	19.40	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.893	19.55	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1.0771	1.234	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0798	1.245	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0785	1.250	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0818	1.266	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0785	1.248	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0763	1.246	PASS

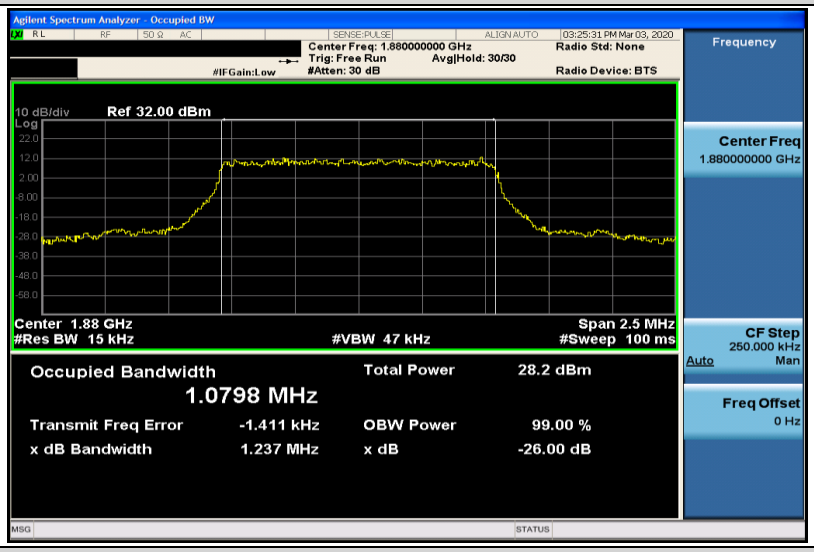
Band12	3MHz	QPSK	23025	15RB#0	2.6759	2.897	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6747	2.864	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6725	2.859	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6710	2.857	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6786	2.869	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6771	2.843	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4726	4.964	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4905	5.032	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4960	5.457	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4790	5.066	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4832	5.083	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4745	4.949	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9751	9.904	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9643	9.944	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9422	10.23	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9603	9.881	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9685	10.01	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9537	9.801	PASS
Band17	5MHz	QPSK	23755	25RB#0	4.4803	5.020	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4866	5.030	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4896	5.059	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4909	5.050	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4812	5.044	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4765	4.978	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9431	9.856	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9345	9.732	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9455	9.910	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9526	9.871	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9403	9.885	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9281	9.656	PASS
Band41	5MHz	QPSK	40265	25RB#0	4.5205	5.191	PASS
Band41	5MHz	QPSK	40740	25RB#0	4.5064	5.547	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.5134	5.190	PASS
Band41	5MHz	16QAM	40265	25RB#0	4.5174	5.390	PASS
Band41	5MHz	16QAM	40740	25RB#0	4.5126	5.284	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.5072	5.398	PASS
Band41	10MHz	QPSK	40290	50RB#0	8.9529	9.684	PASS
Band41	10MHz	QPSK	40740	50RB#0	8.9593	9.861	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.9554	9.863	PASS
Band41	10MHz	16QAM	40290	50RB#0	8.9517	10.15	PASS
Band41	10MHz	16QAM	40740	50RB#0	8.9483	9.681	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.9484	9.636	PASS
Band41	15MHz	QPSK	40315	75RB#0	13.464	15.66	PASS
Band41	15MHz	QPSK	40740	75RB#0	13.464	15.45	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.493	15.63	PASS

Band41	15MHz	16QAM	40315	75RB#0	13.525	15.99	PASS
Band41	15MHz	16QAM	40740	75RB#0	13.502	15.26	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.510	16.08	PASS
Band41	20MHz	QPSK	40340	100RB#0	17.909	20.03	PASS
Band41	20MHz	QPSK	40740	100RB#0	17.910	19.38	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.917	20.14	PASS
Band41	20MHz	16QAM	40340	100RB#0	17.893	19.86	PASS
Band41	20MHz	16QAM	40740	100RB#0	17.924	21.15	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.934	19.76	PASS

Test Graphs



Band2-1.4MHz-QPSK-18607-6RB#0-1.0844



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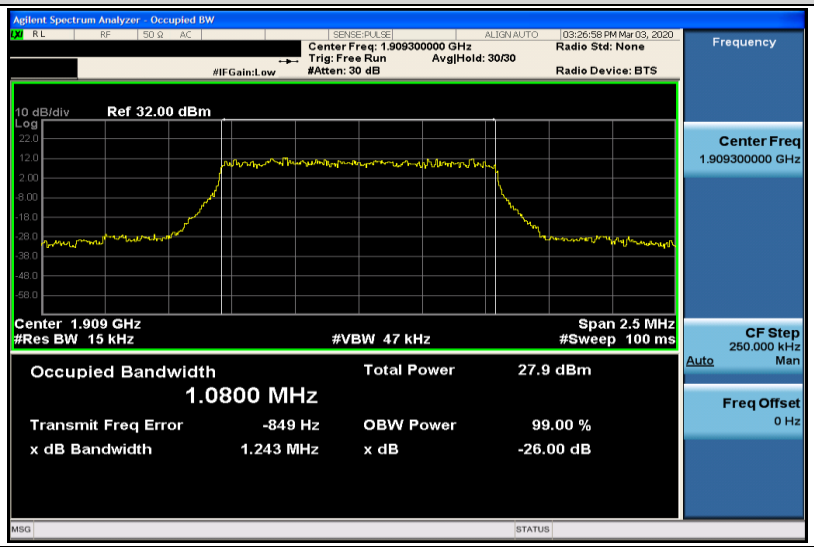

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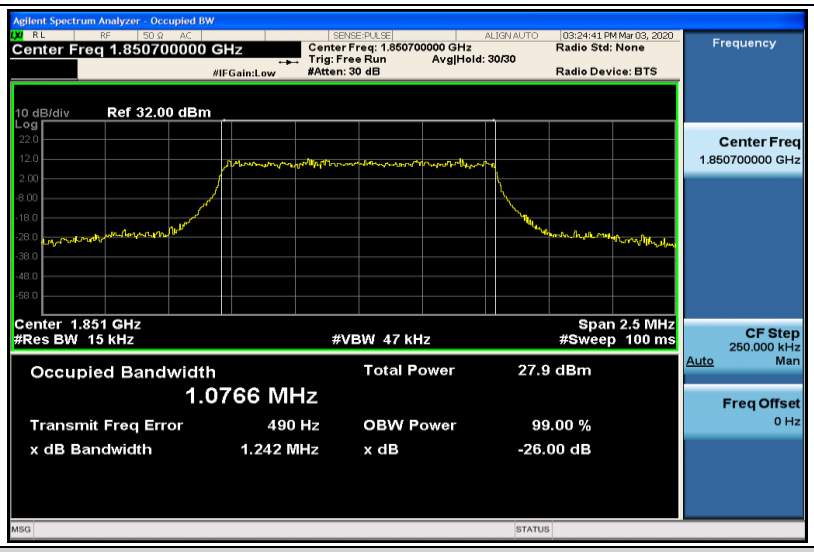
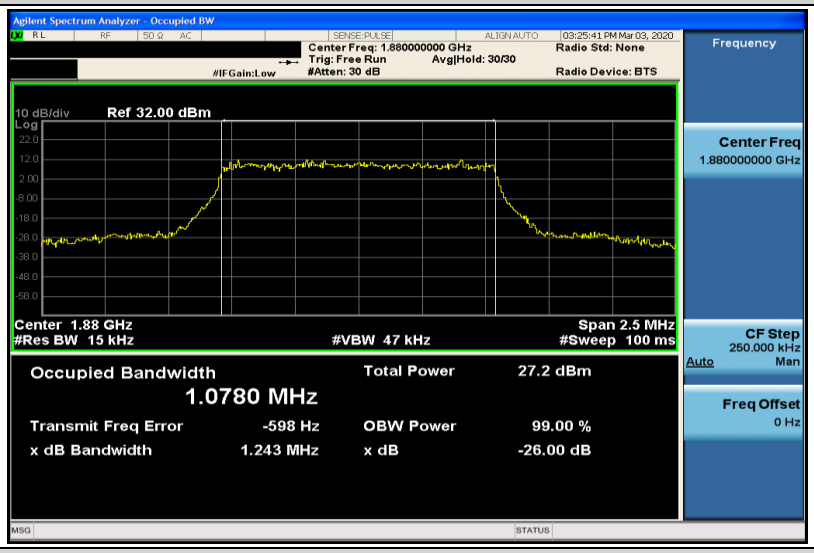


Band2-1.4MHz-16QAM-18607-6RB#0-1.0766



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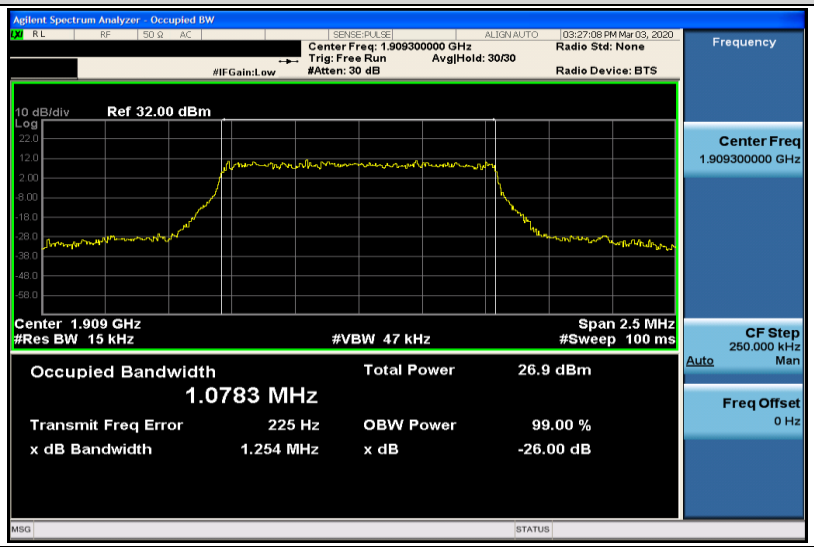

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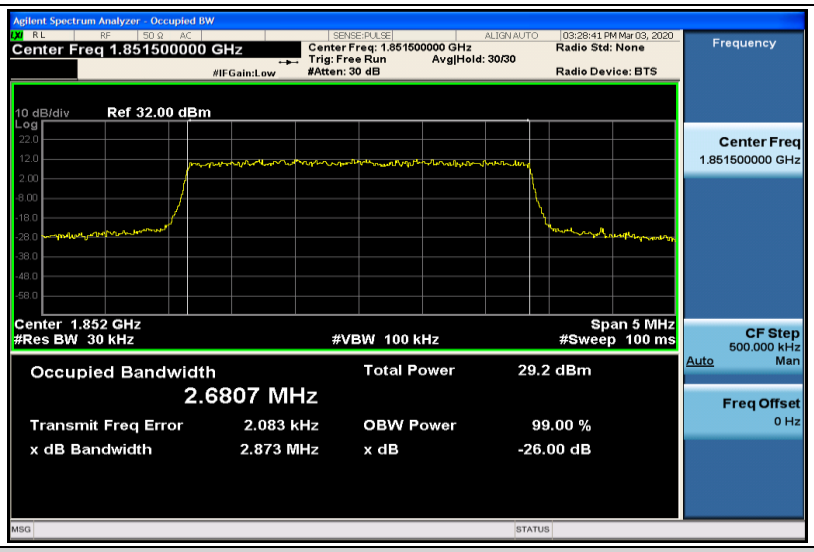
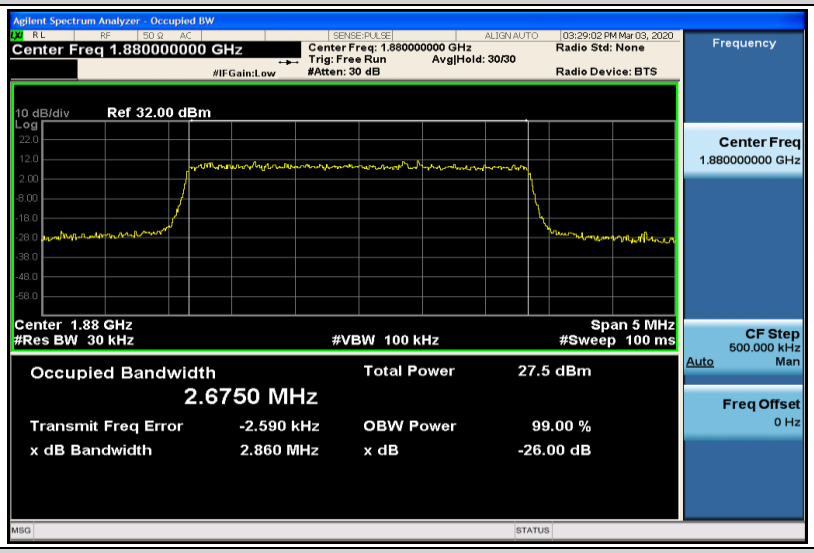
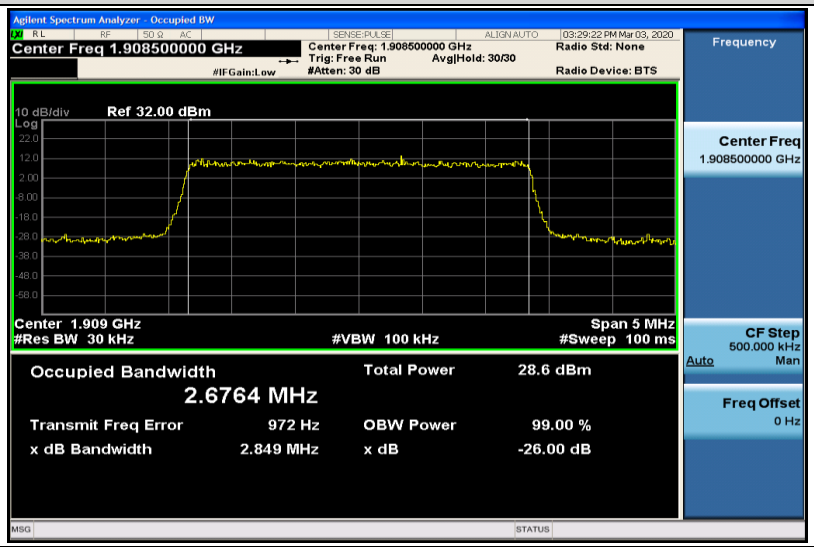


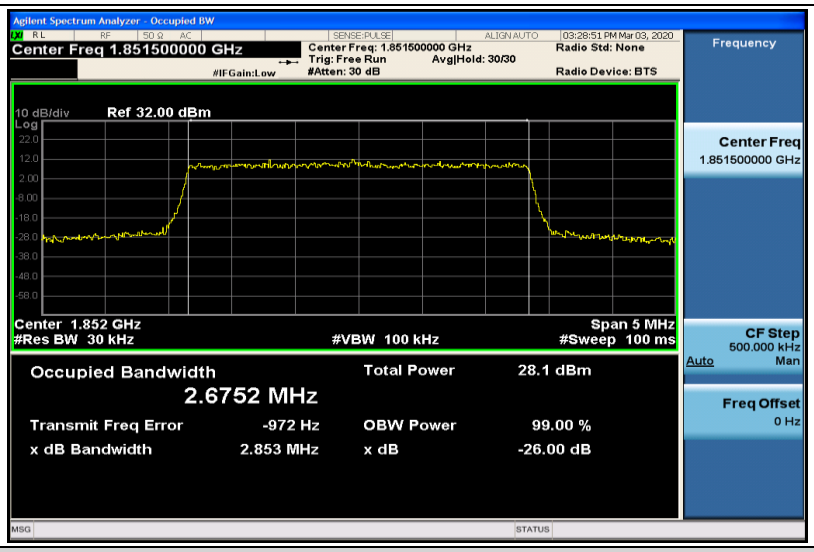
Band2-3MHz-QPSK-18615-15RB#0-2.6807



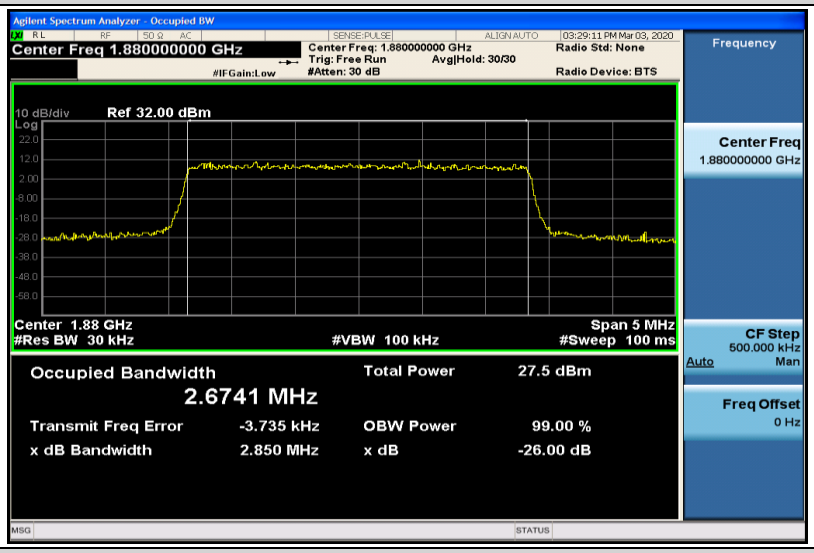
Band2-3MHz-QPSK-18900-15RB#0-2.6750



Band2-3MHz-QPSK-19185-15RB#0-2.6764



Band2-3MHz-16QAM-18615-15RB#0-2.6752



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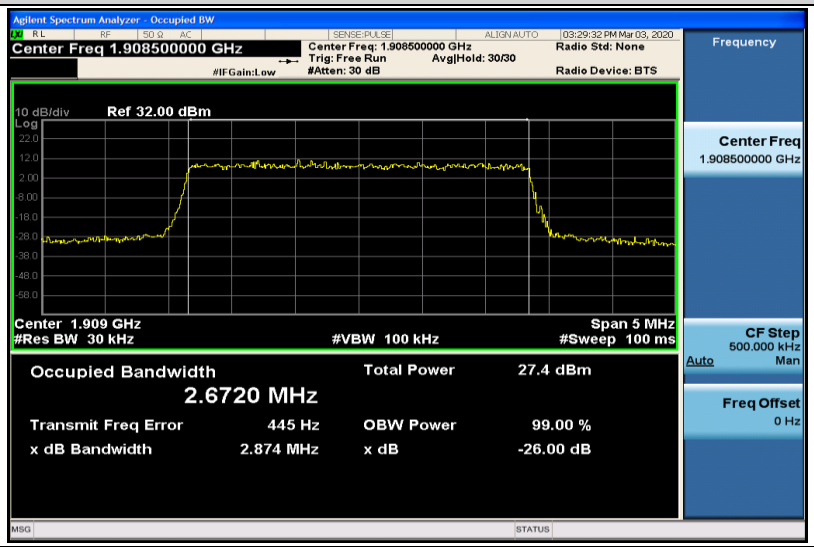
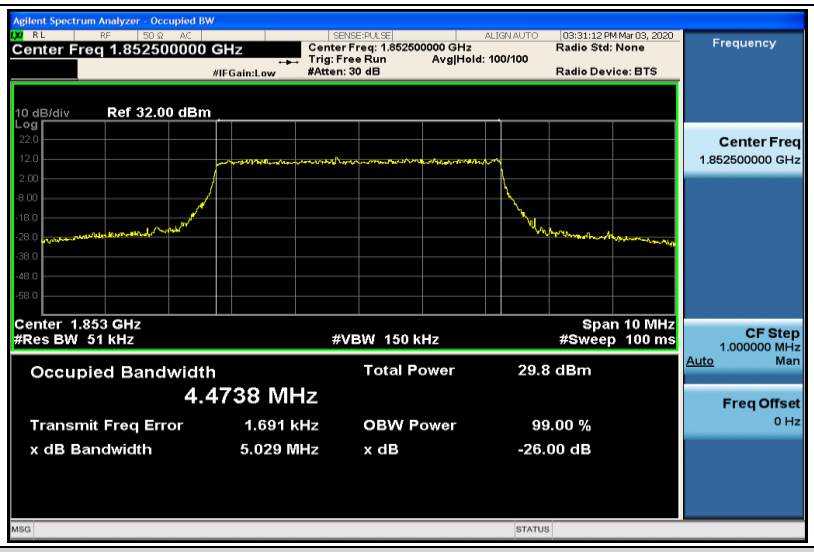
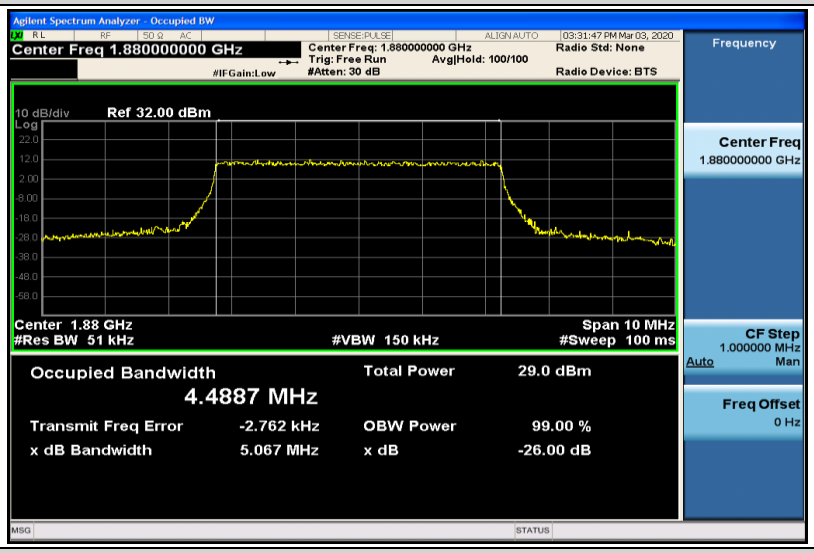


Band2-3MHz-16QAM-19185-15RB#0-2.6720



Band2-5MHz-QPSK-18625-25RB#0-4.4738



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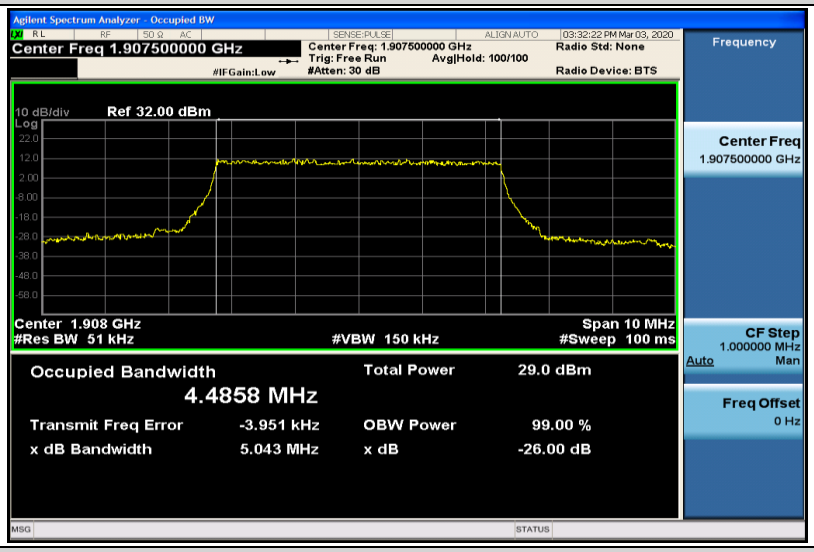
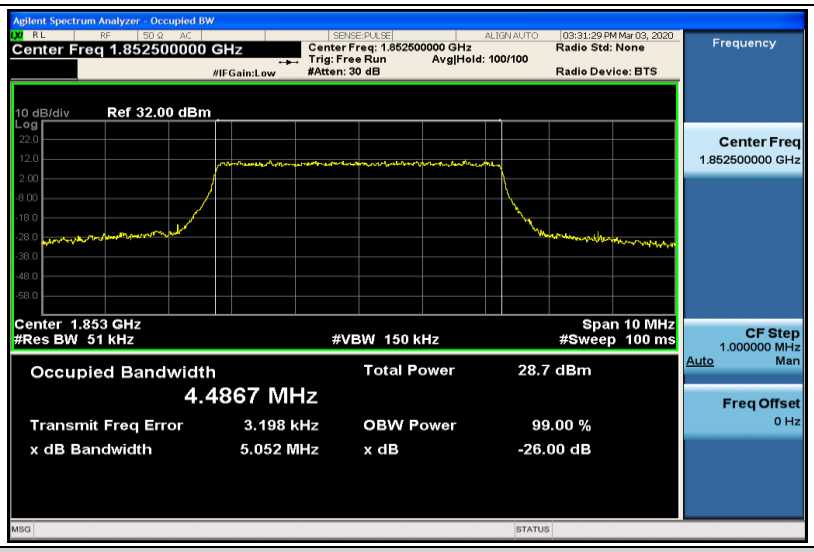
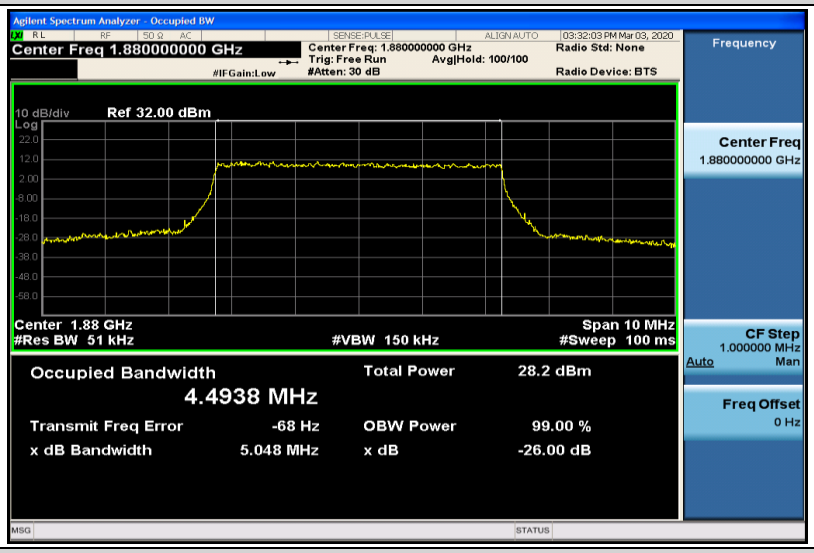


Band2-5MHz-QPSK-19175-25RB#0-4.4858



Band2-5MHz-16QAM-18625-25RB#0-4.4867



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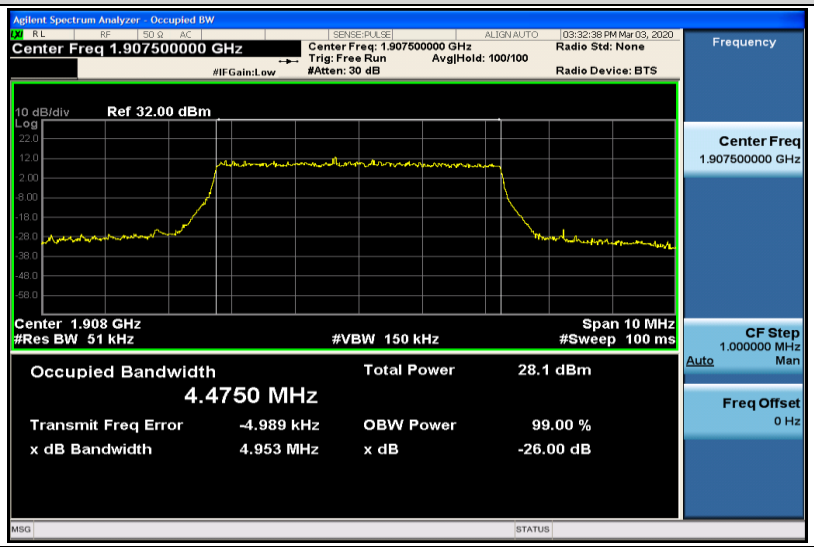

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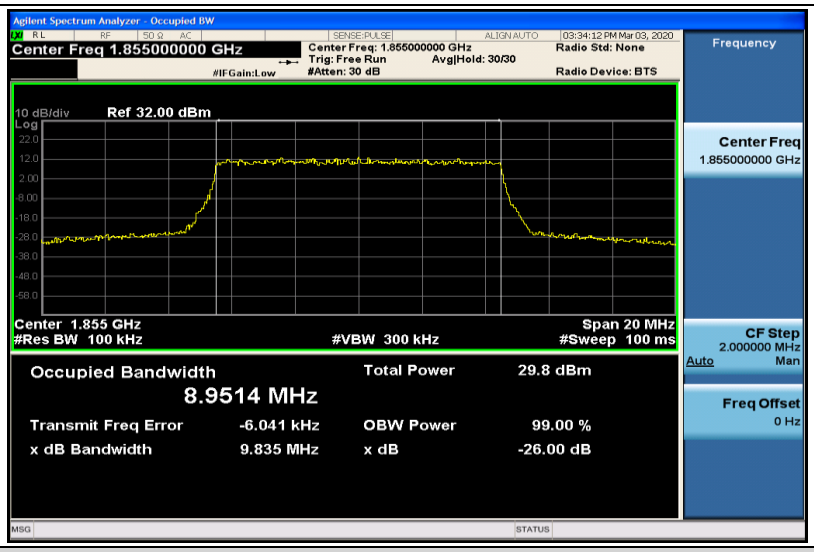
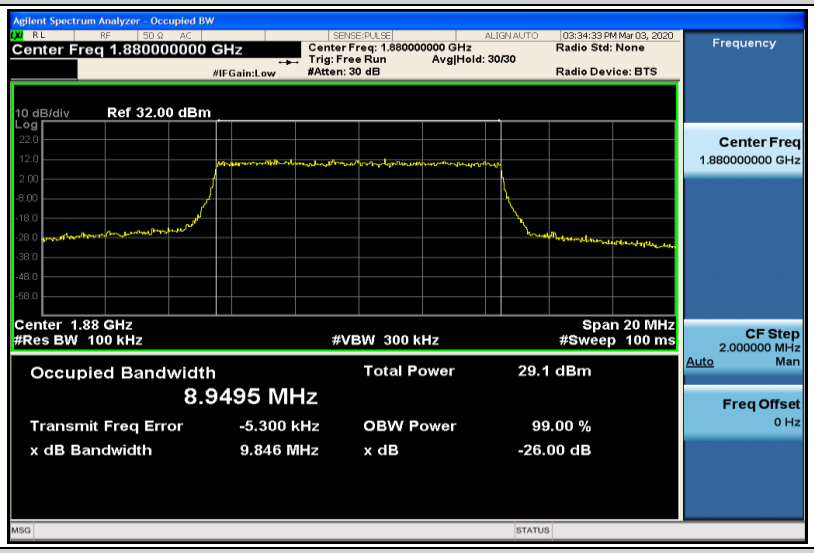
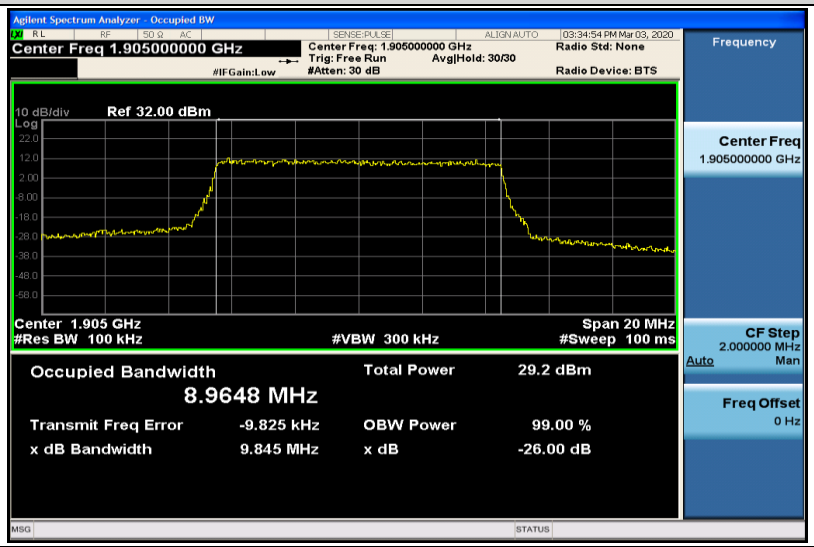


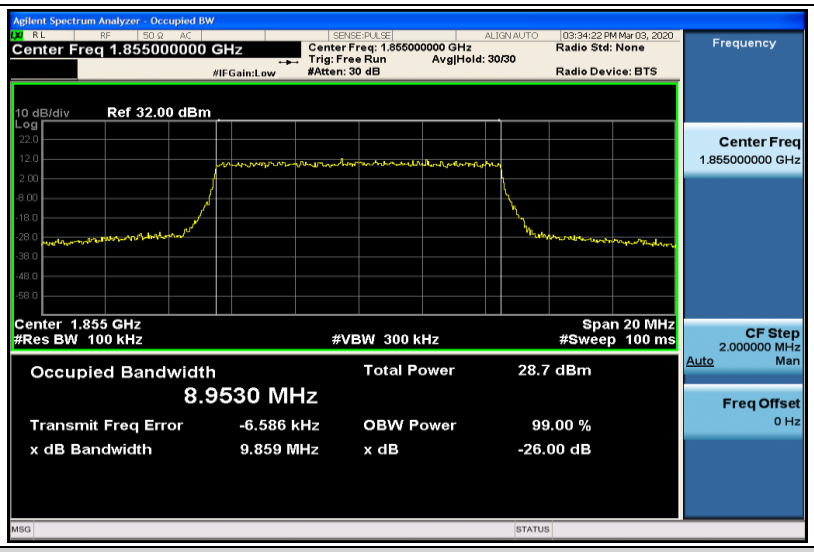
Band2-10MHz-QPSK-18650-50RB#0-8.9514



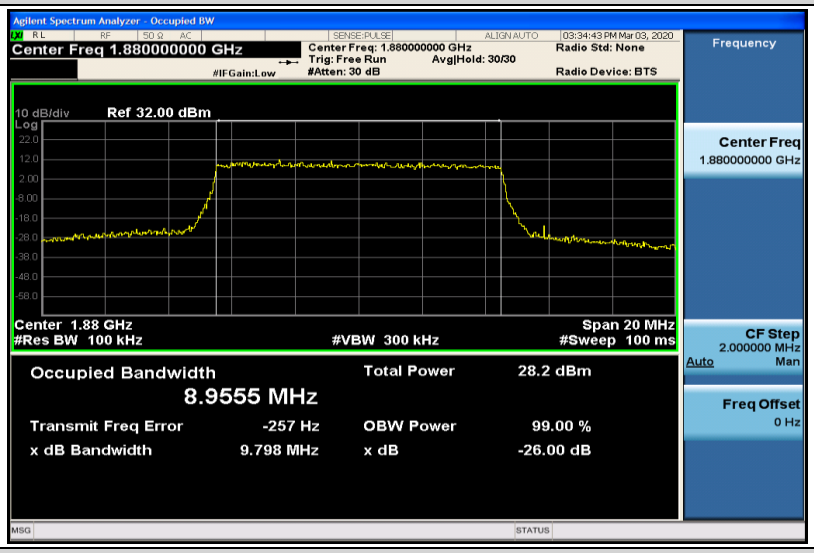
Band2-10MHz-QPSK-18900-50RB#0-8.9495



Band2-10MHz-QPSK-19150-50RB#0-8.9648



Band2-10MHz-16QAM-18650-50RB#0-8.9530



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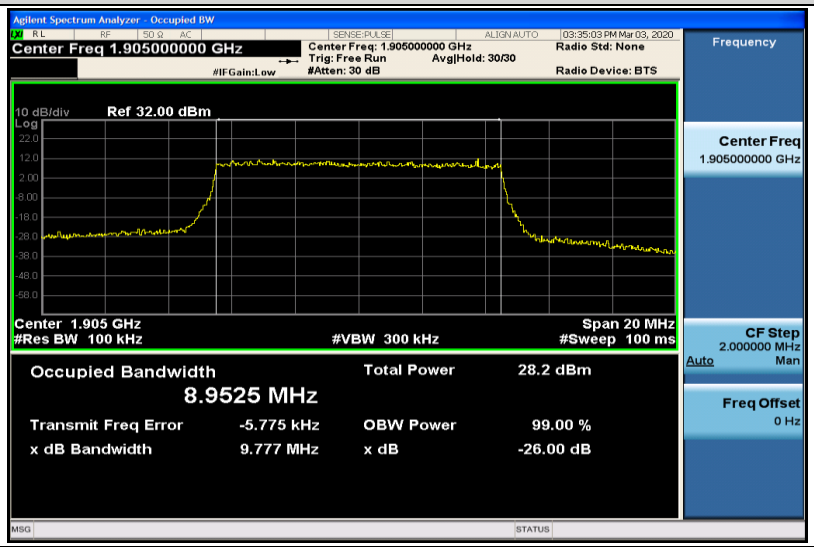

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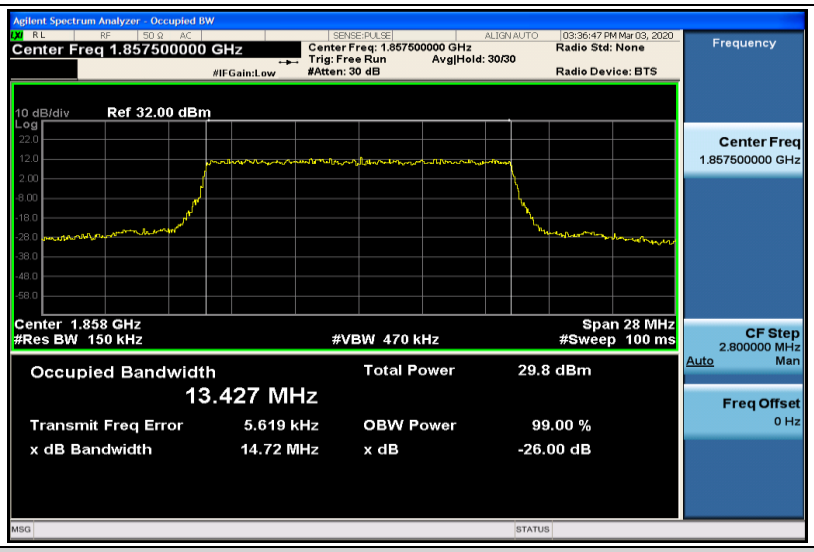
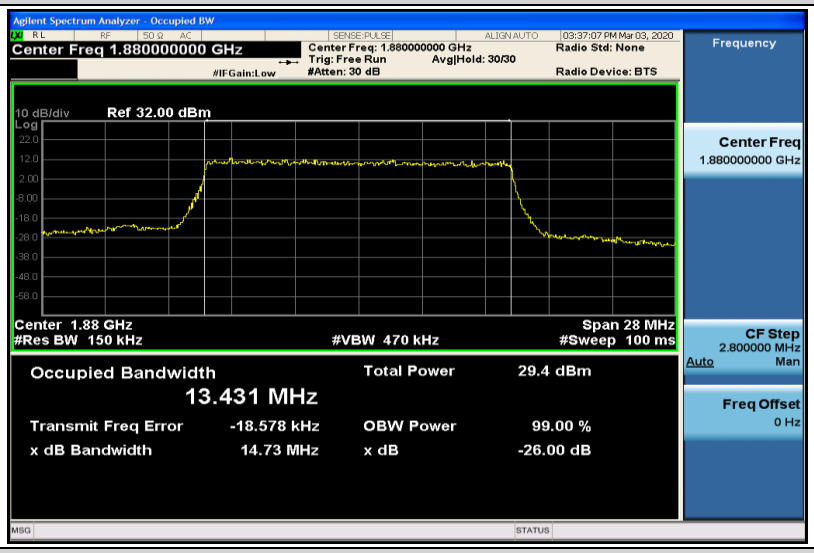


Band2-15MHz-QPSK-18675-75RB#0-13.427



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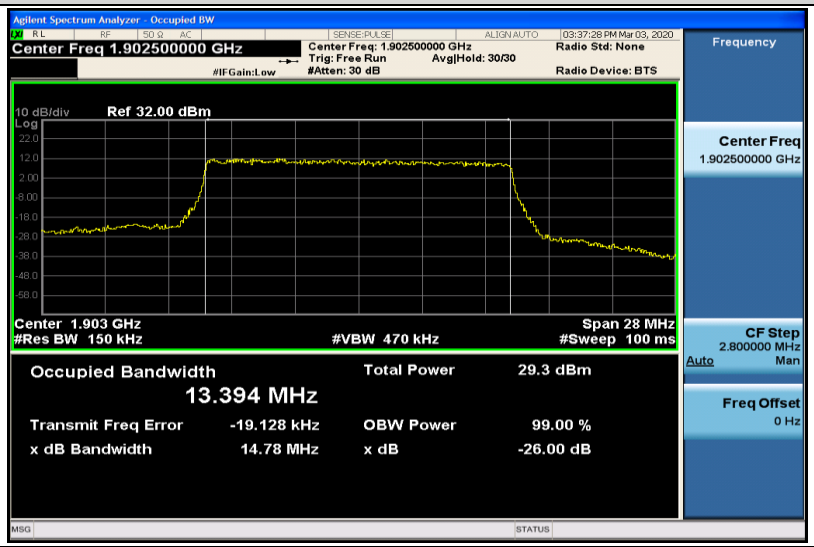

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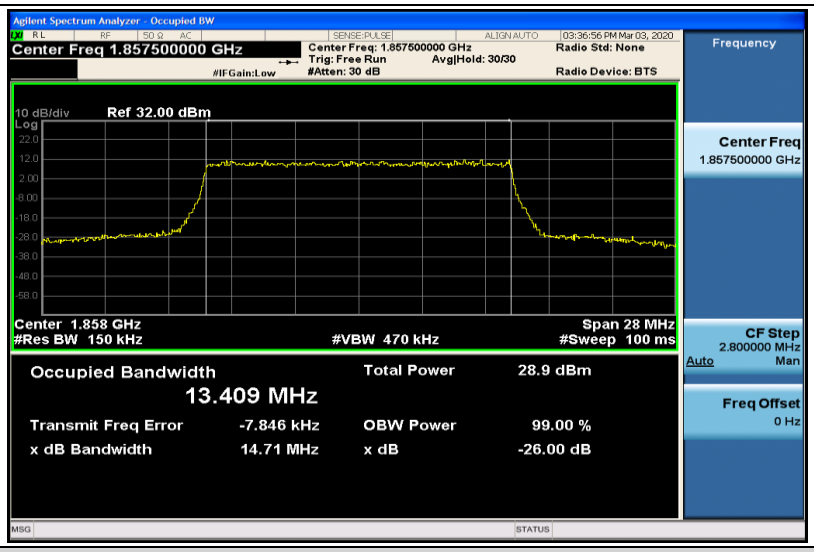

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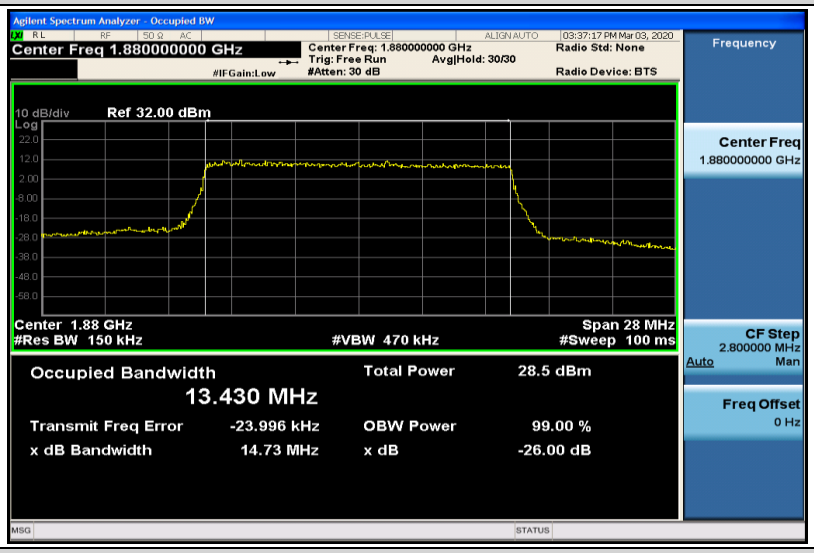

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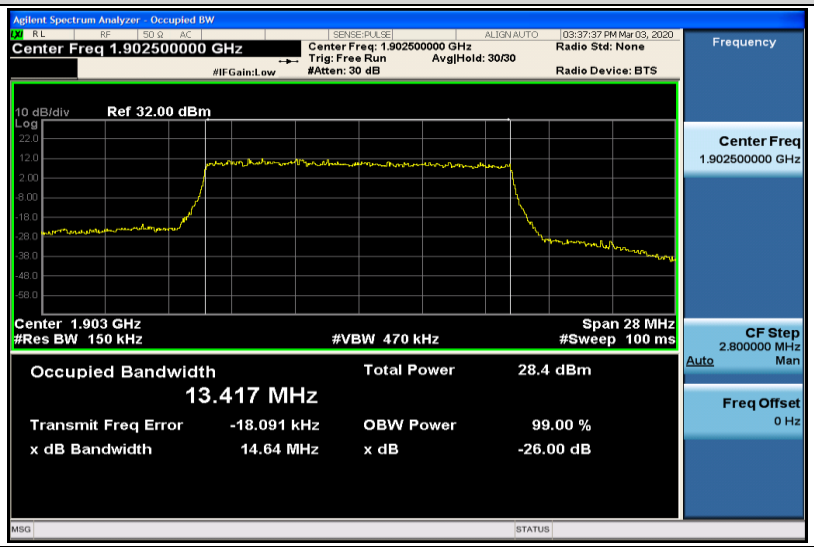
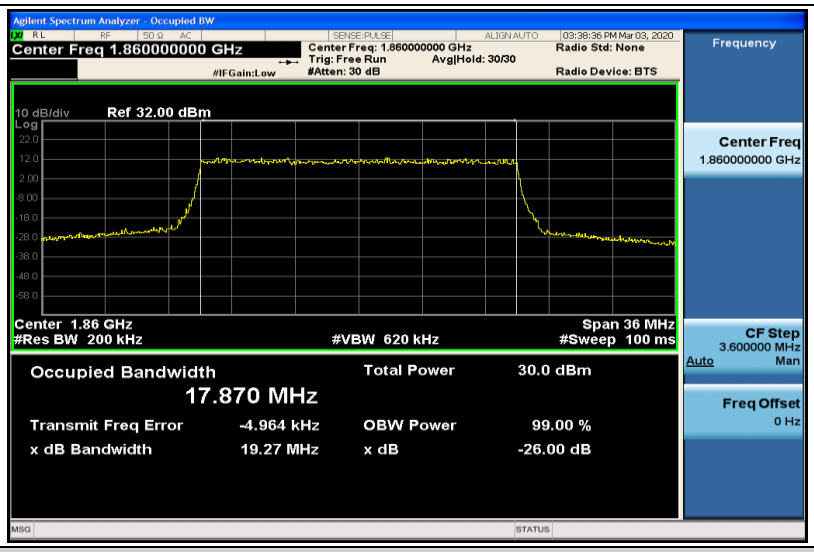
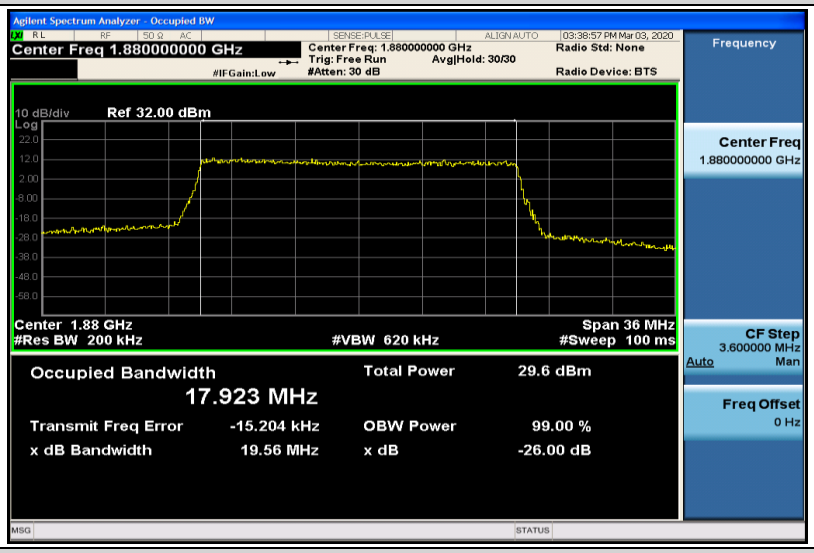


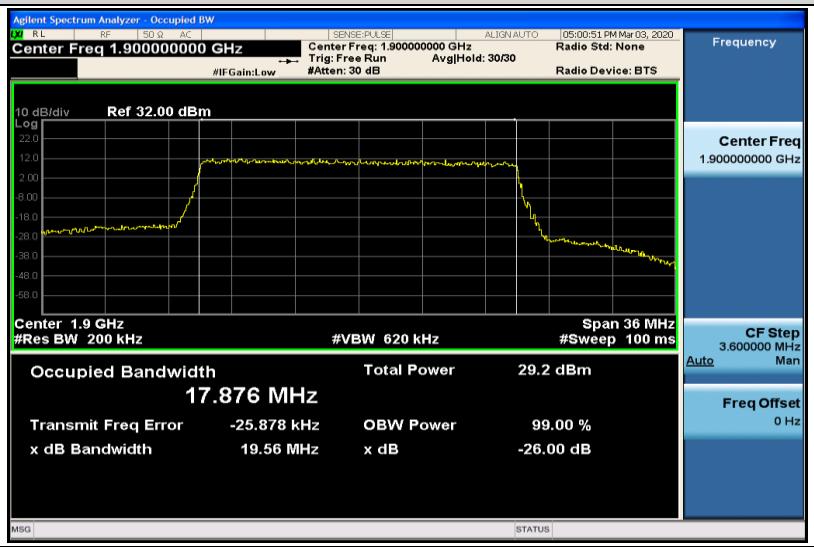
Band2-15MHz-16QAM-19125-75RB#0-13.417



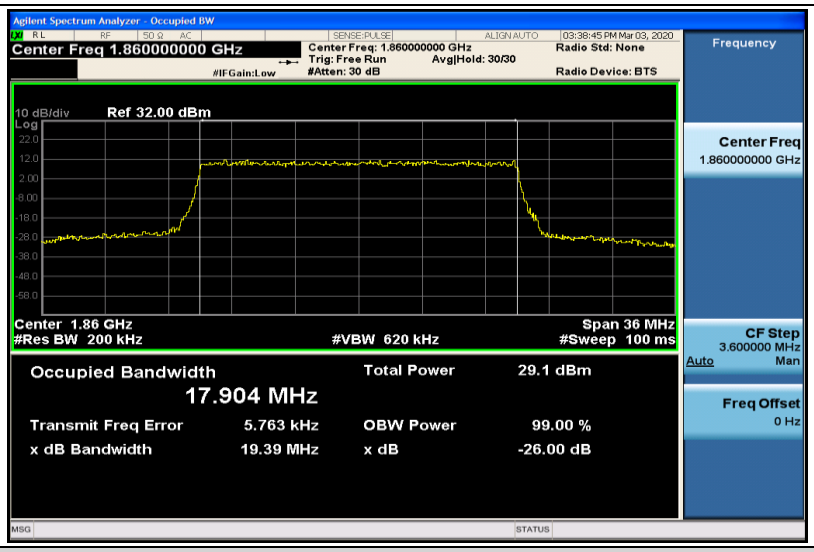
Band2-20MHz-QPSK-18700-100RB#0-17.870



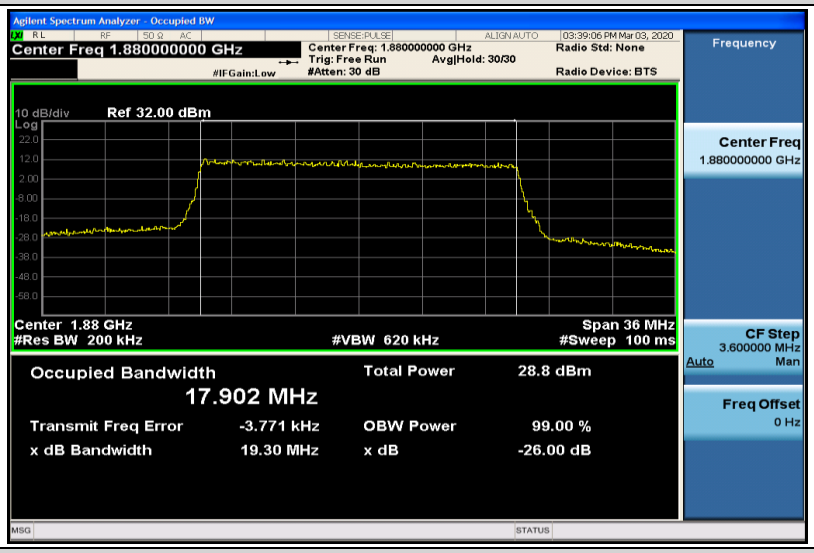
Band2-20MHz-QPSK-18900-100RB#0-17.923



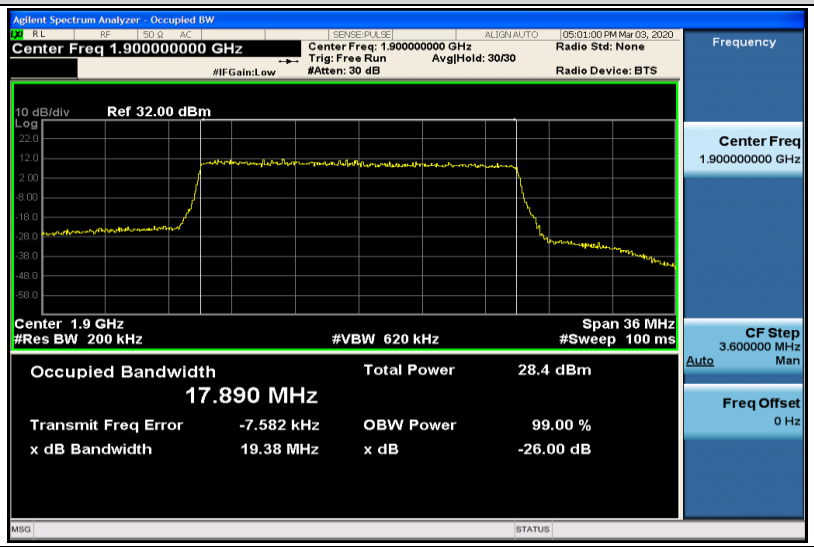
Band2-20MHz-QPSK-19100-100RB#0-17.876



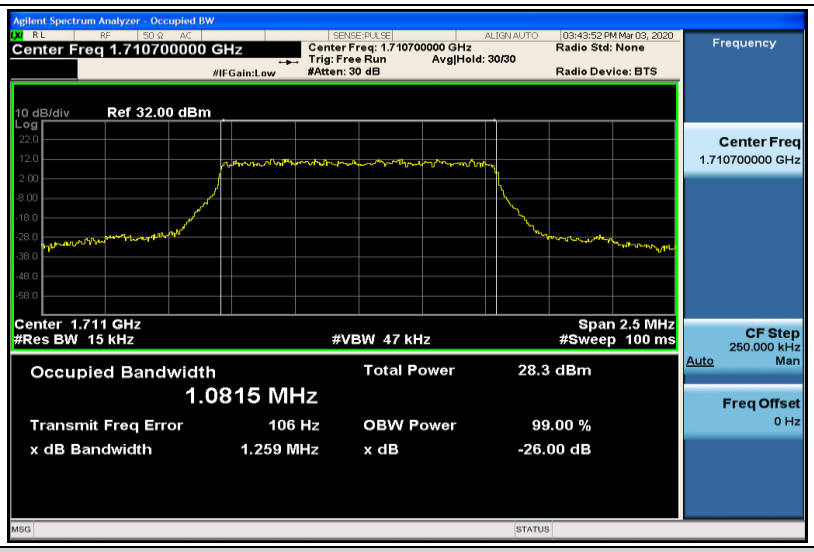
Band2-20MHz-16QAM-18700-100RB#0-17.904



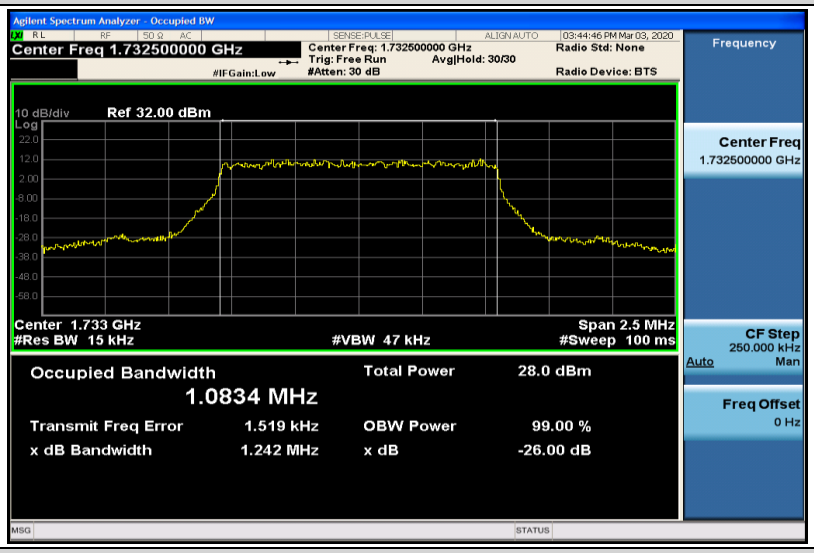
Band2-20MHz-16QAM-18900-100RB#0-17.902



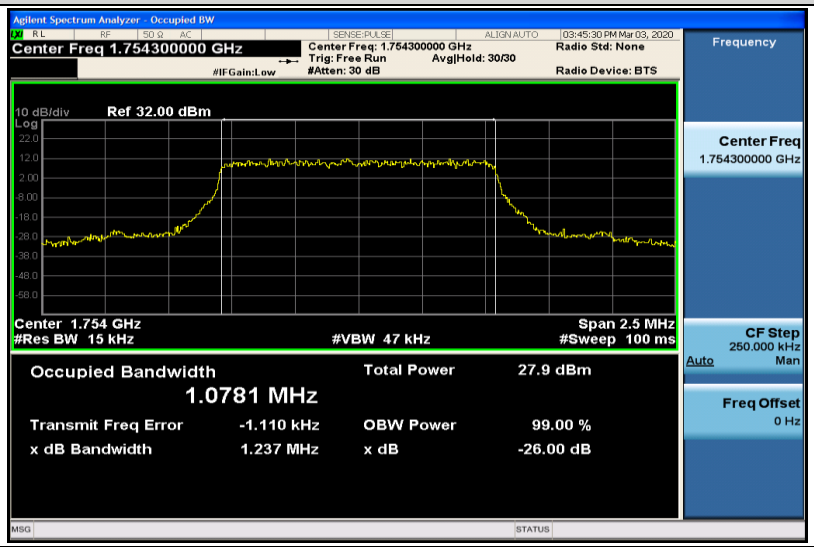
Band2-20MHz-16QAM-19100-100RB#0-17.890



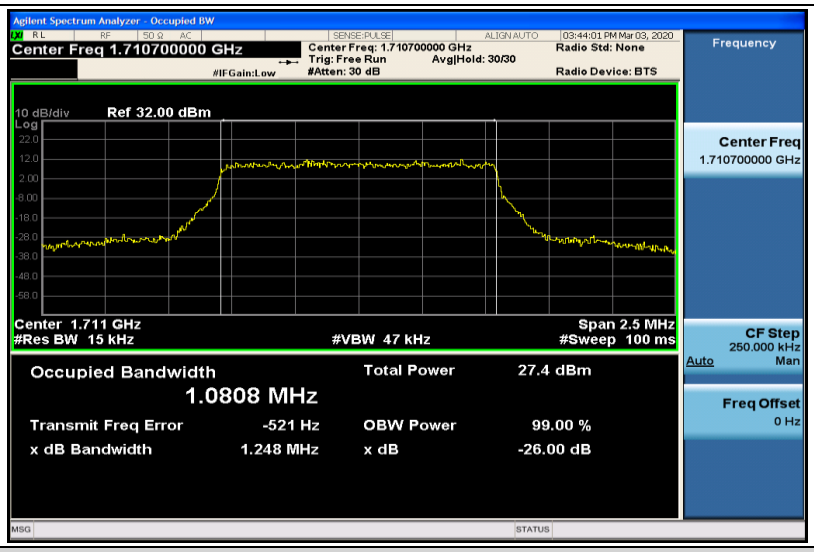
Band4-1.4MHz-QPSK-19957-6RB#0-1.0815



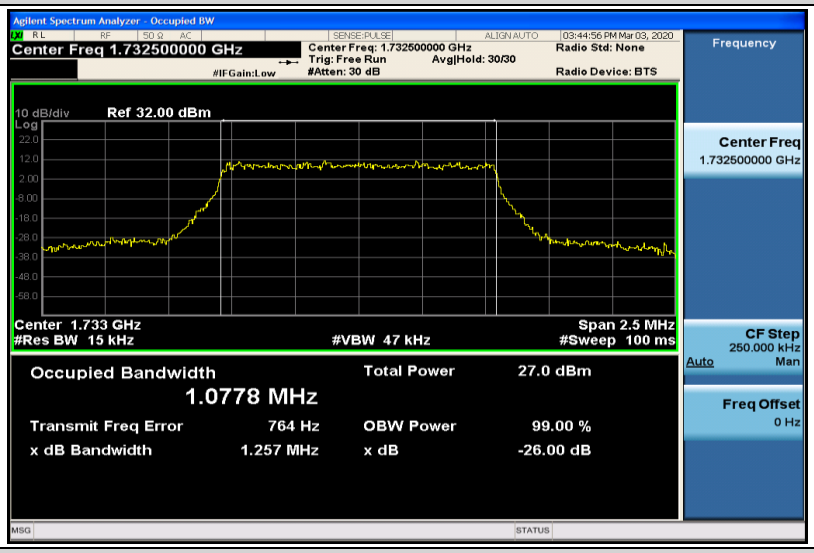
Band4-1.4MHz-QPSK-20175-6RB#0-1.0834



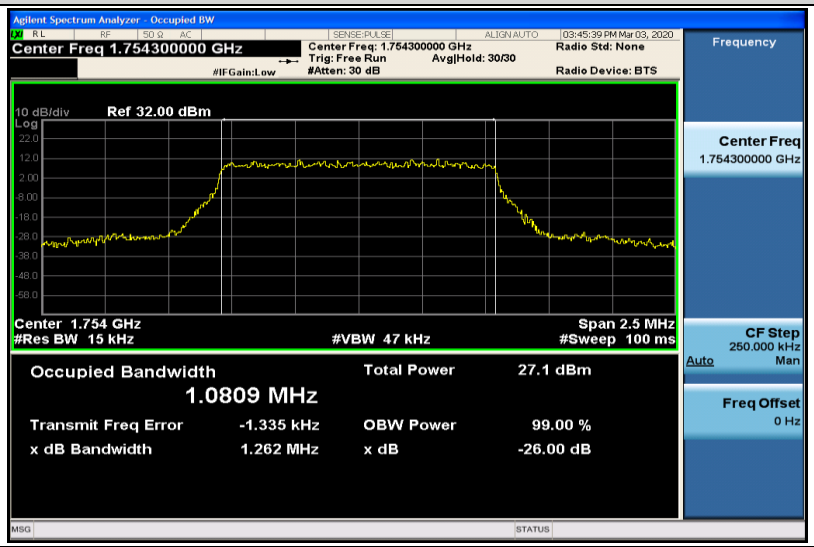
Band4-1.4MHz-QPSK-20393-6RB#0-1.0781



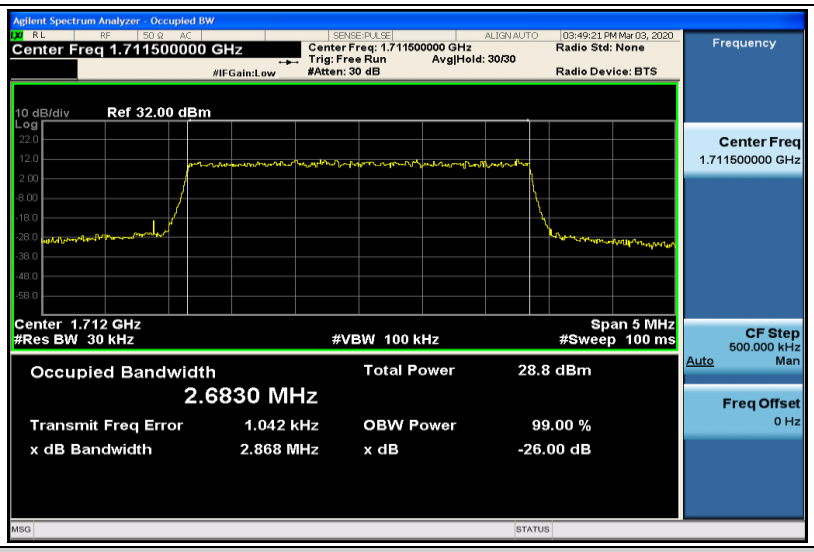
Band4-1.4MHz-16QAM-19957-6RB#0-1.0808



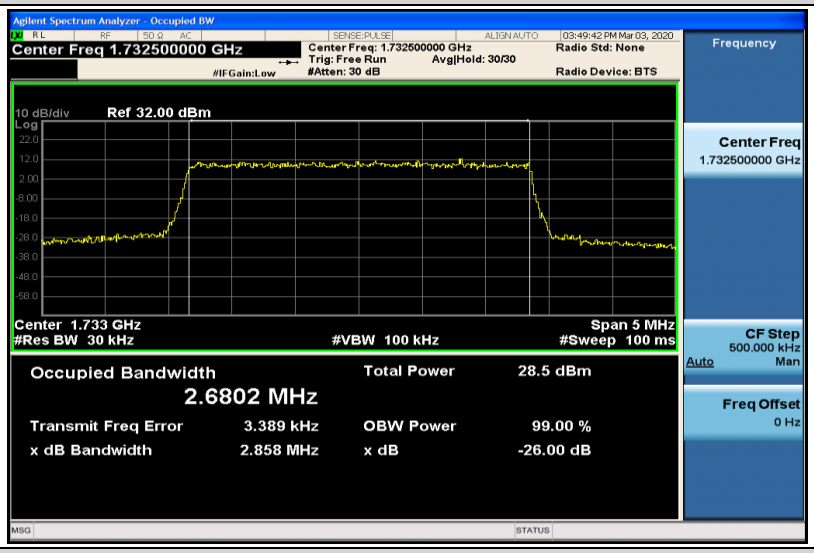
Band4-1.4MHz-16QAM-20175-6RB#0-1.0778



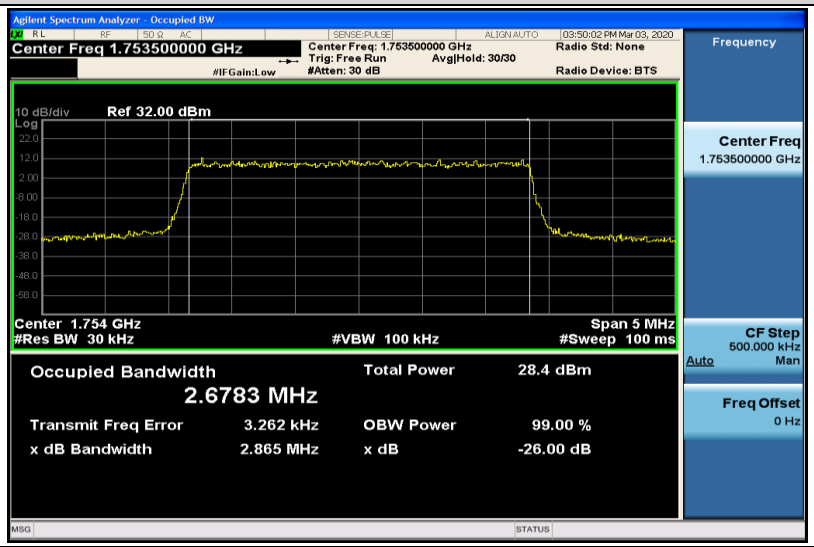
Band4-1.4MHz-16QAM-20393-6RB#0-1.0809



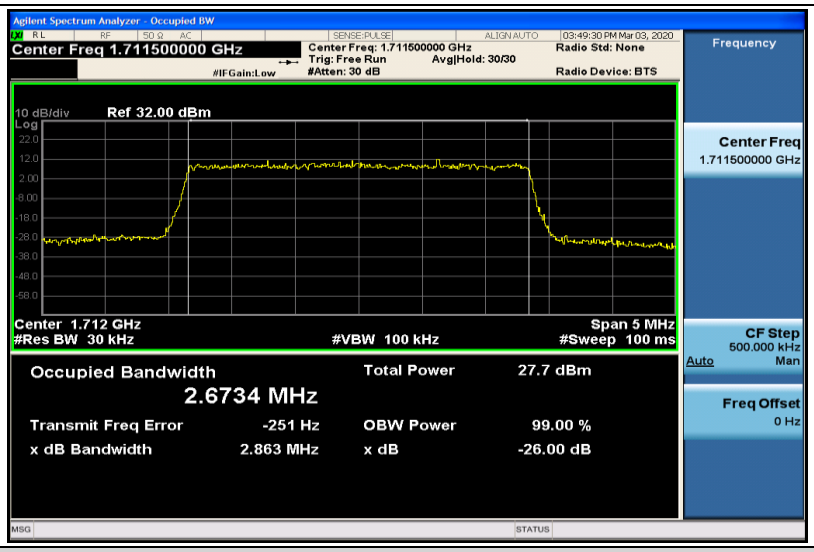
Band4-3MHz-QPSK-19965-15RB#0-2.6830



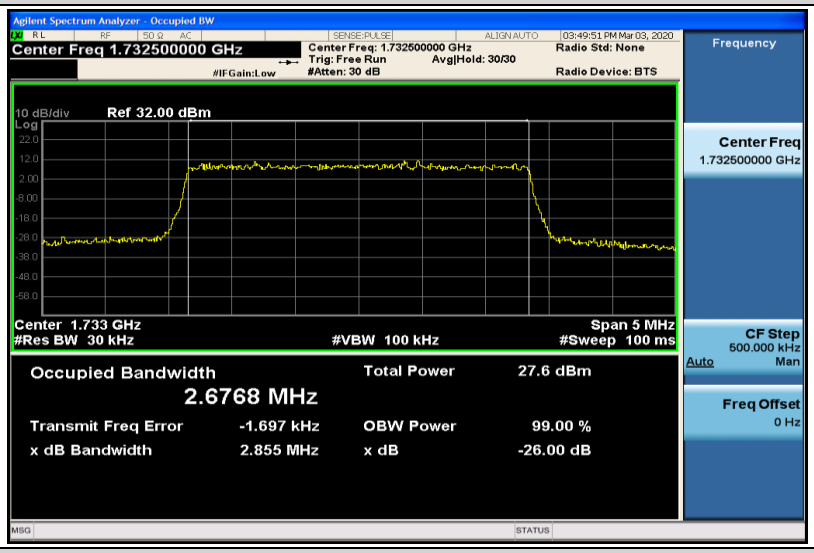
Band4-3MHz-QPSK-20175-15RB#0-2.6802



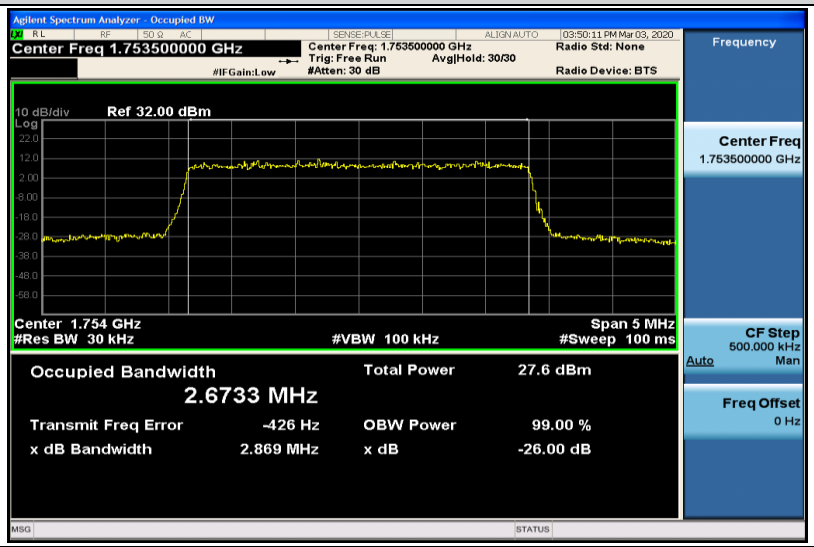
Band4-3MHz-QPSK-20385-15RB#0-2.6783



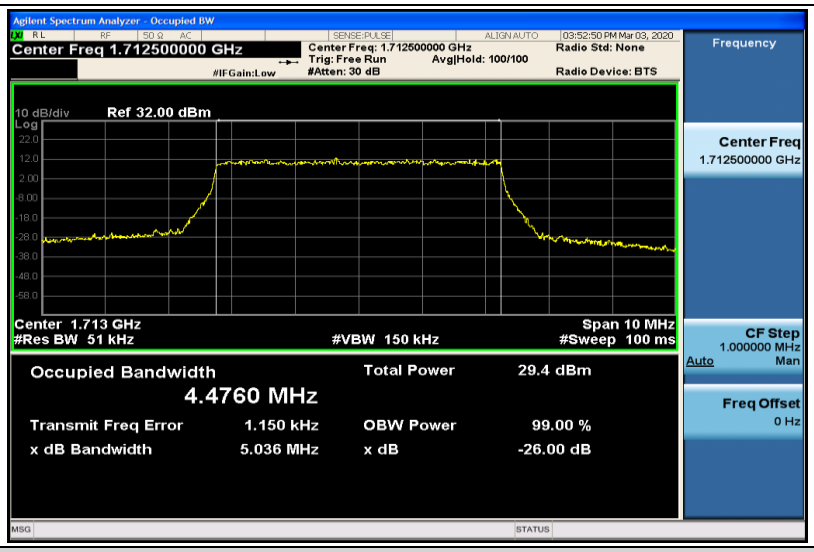
Band4-3MHz-16QAM-19965-15RB#0-2.6734



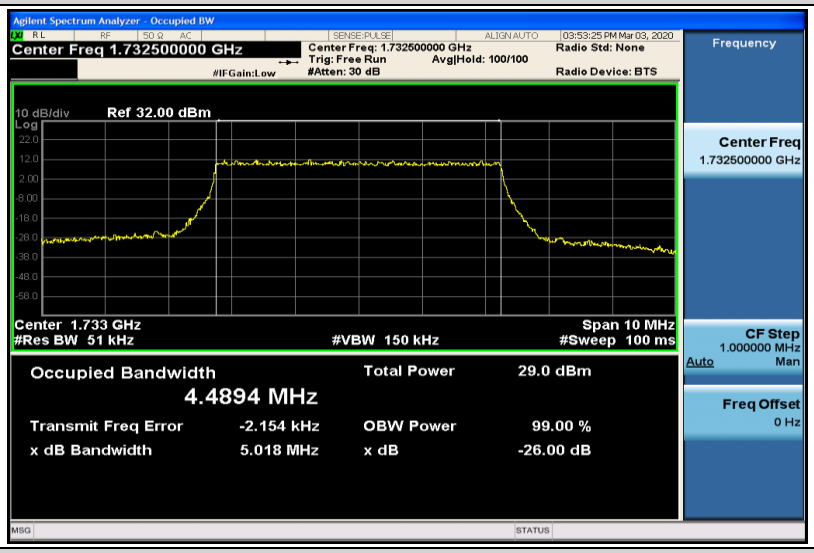
Band4-3MHz-16QAM-20175-15RB#0-2.6768



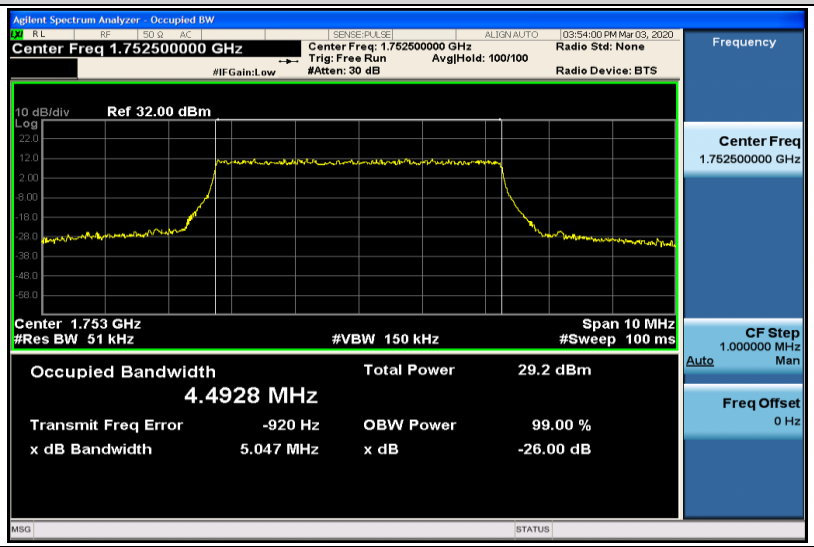
Band4-3MHz-16QAM-20385-15RB#0-2.6733



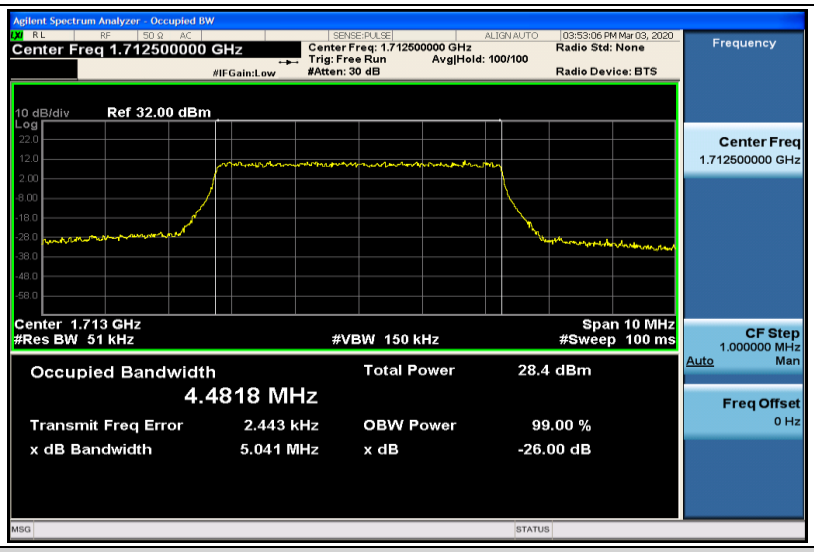
Band4-5MHz-QPSK-19975-25RB#0-4.4760



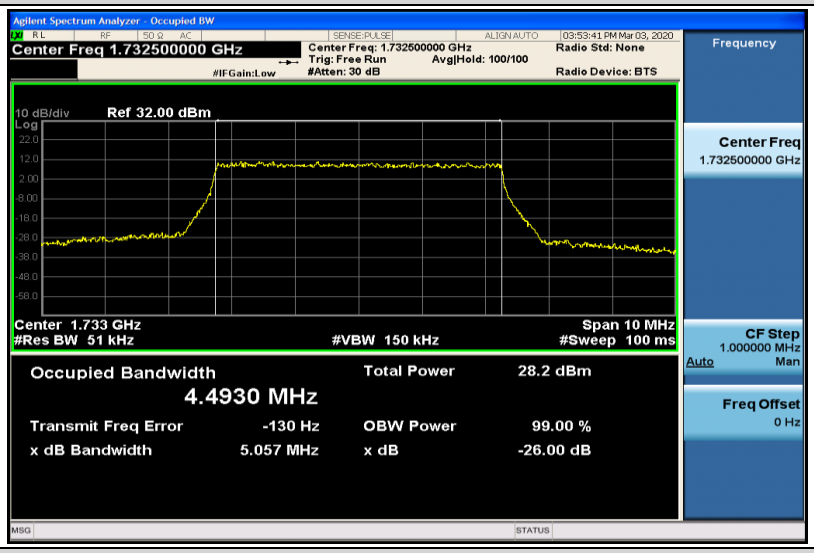
Band4-5MHz-QPSK-20175-25RB#0-4.4894



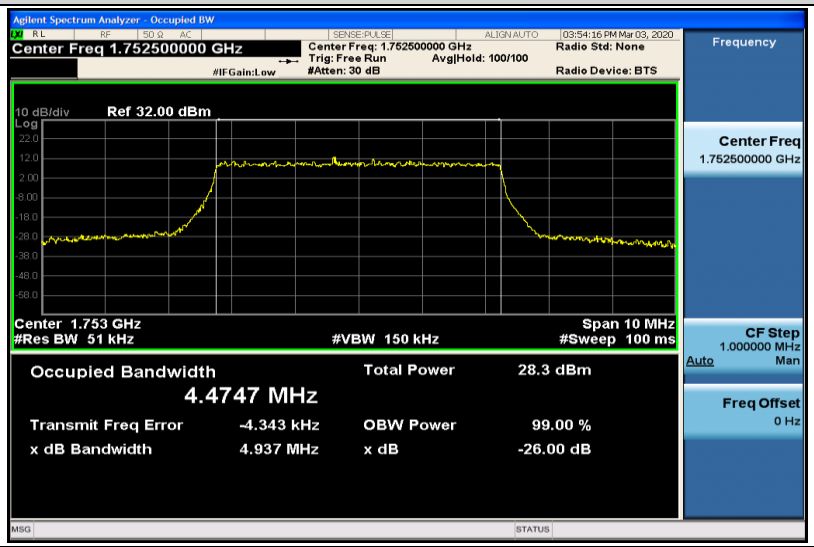
Band4-5MHz-QPSK-20375-25RB#0-4.4928



Band4-5MHz-16QAM-19975-25RB#0-4.4818



Band4-5MHz-16QAM-20175-25RB#0-4.4930



Band4-5MHz-16QAM-20375-25RB#0-4.4747