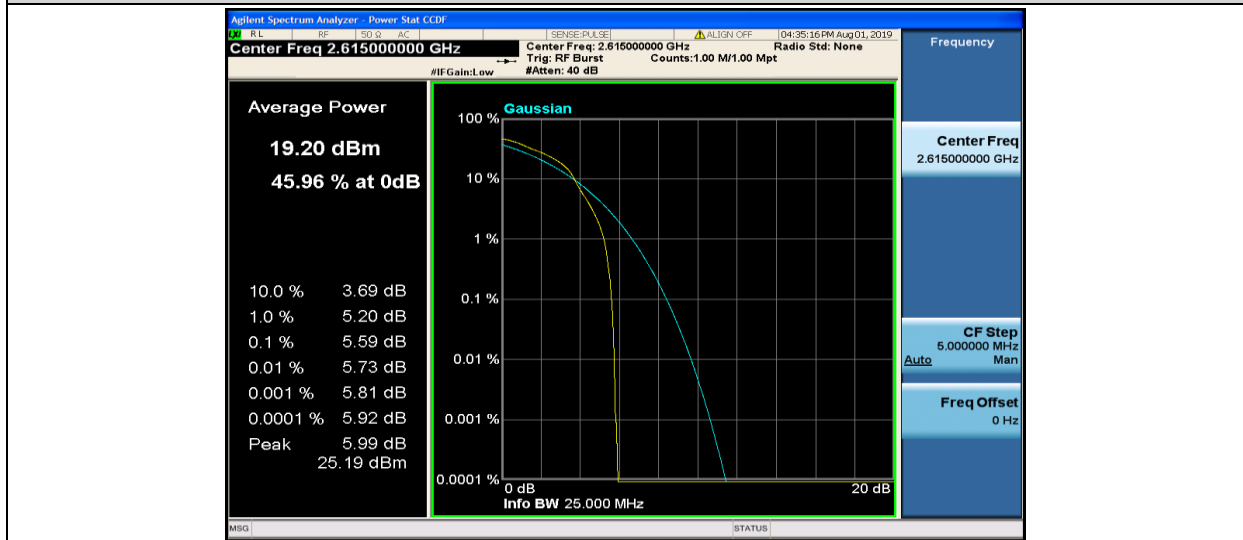
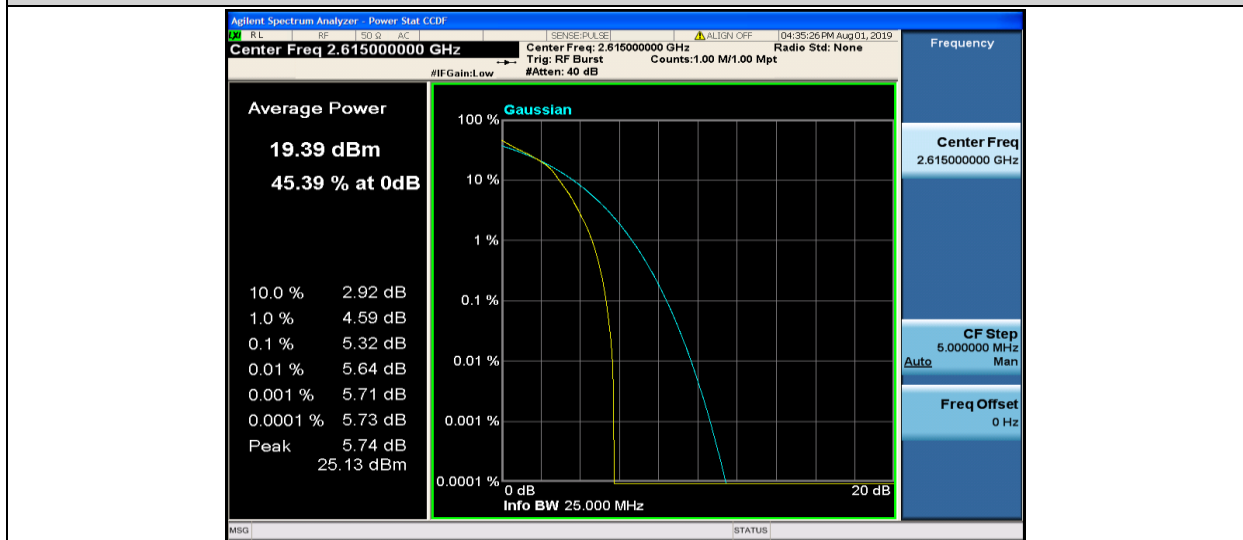


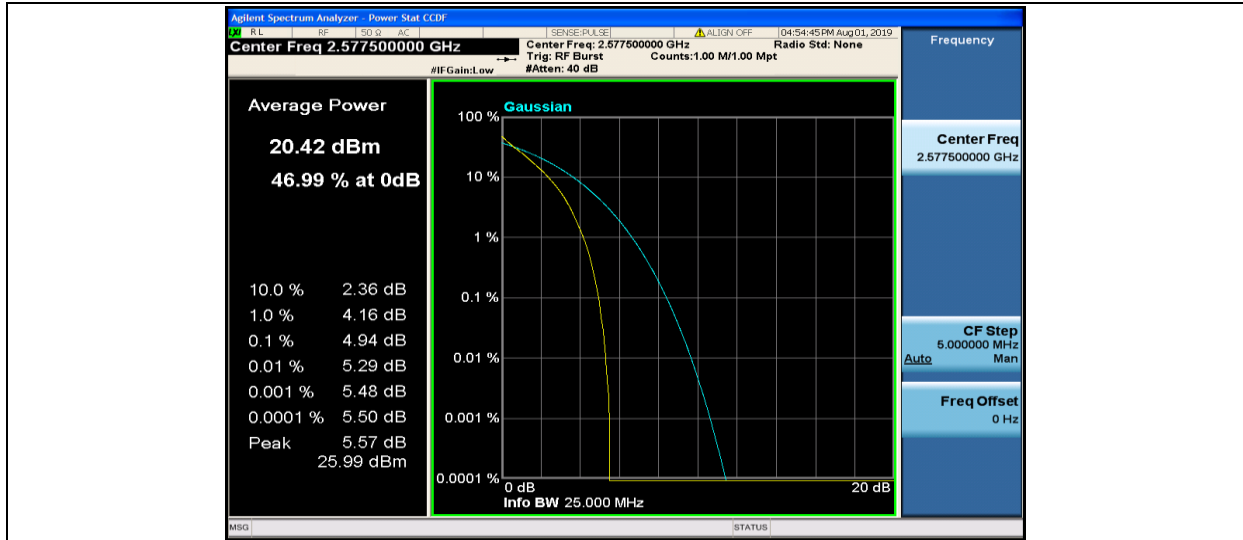
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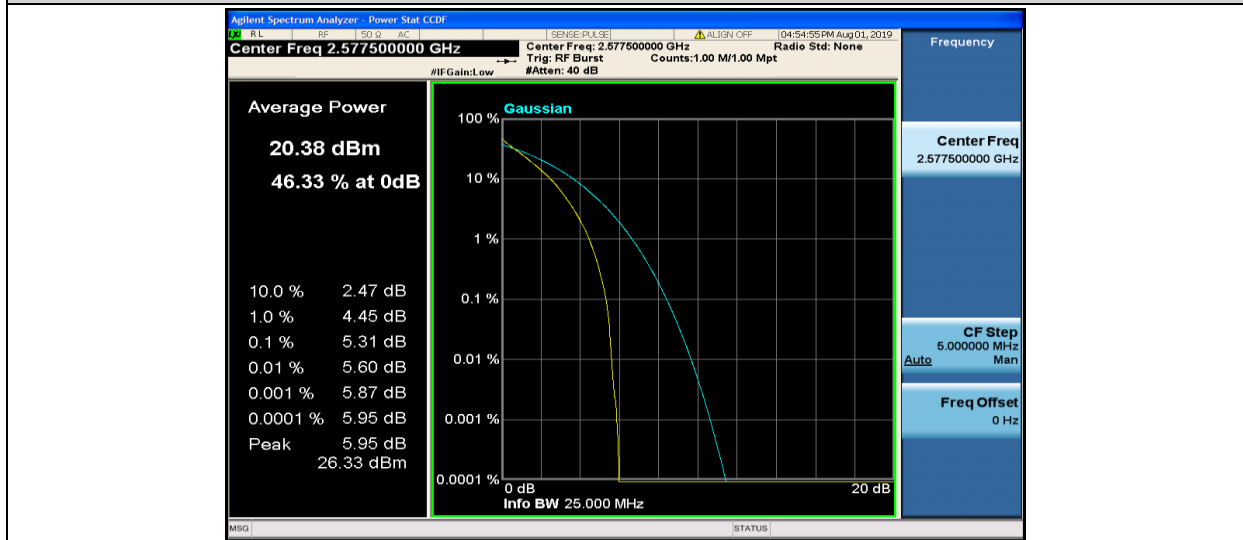
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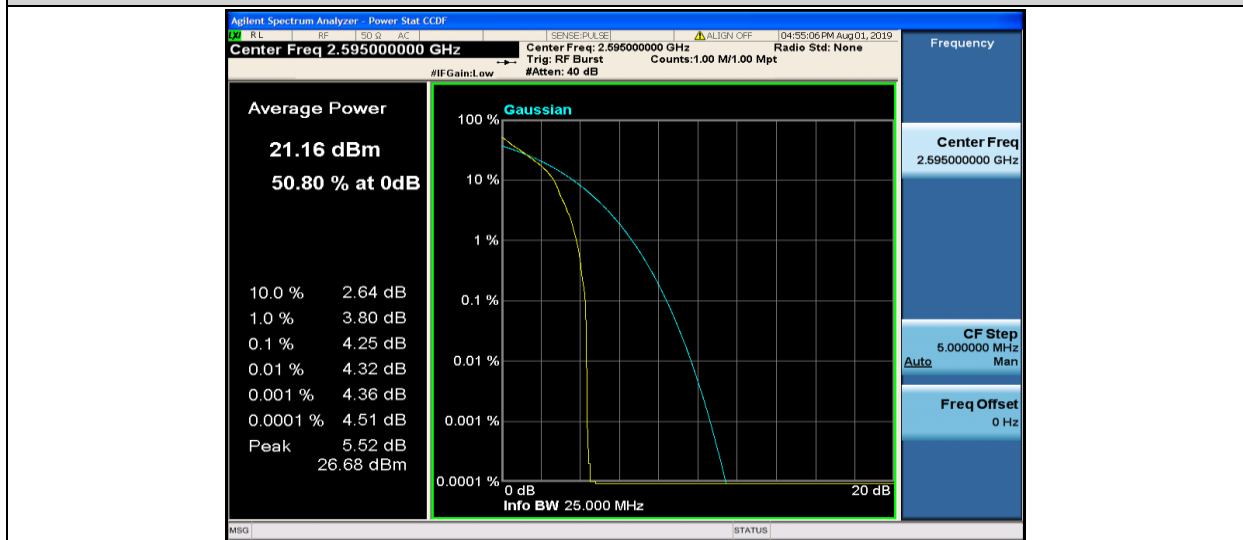
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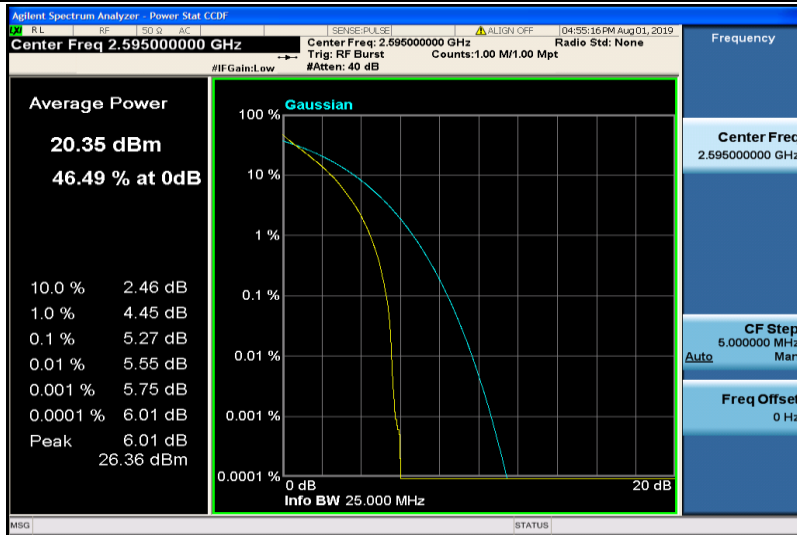
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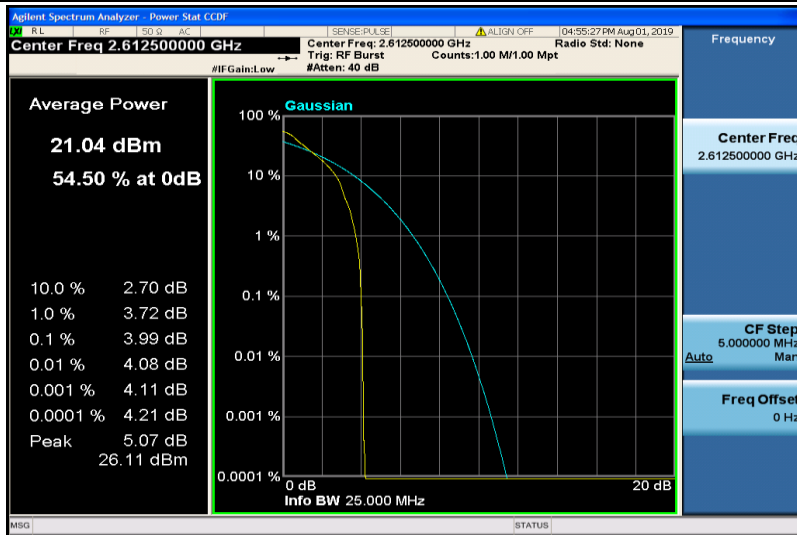
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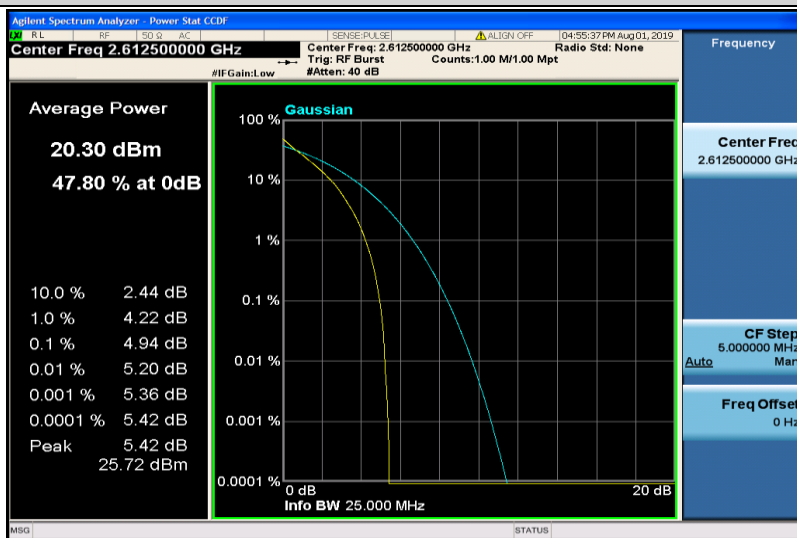
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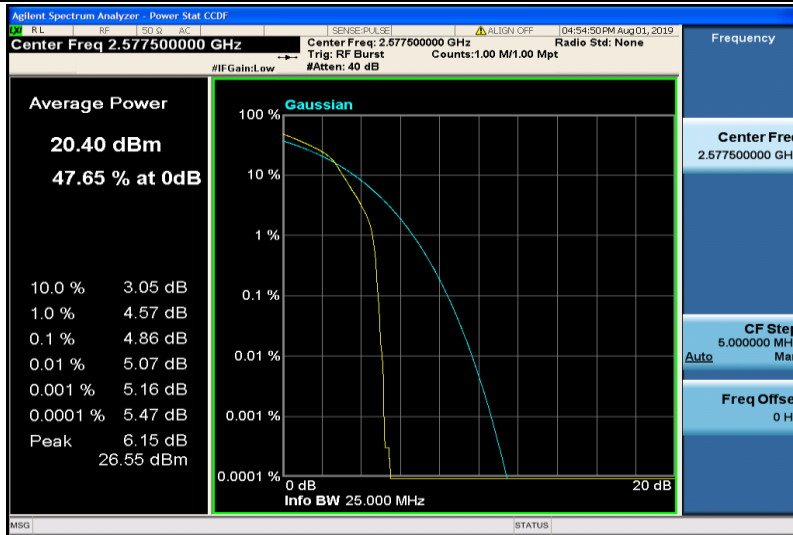
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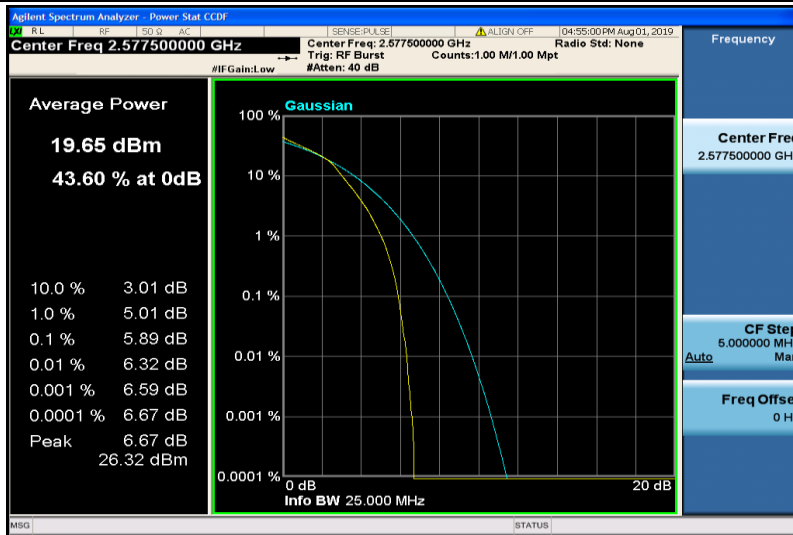
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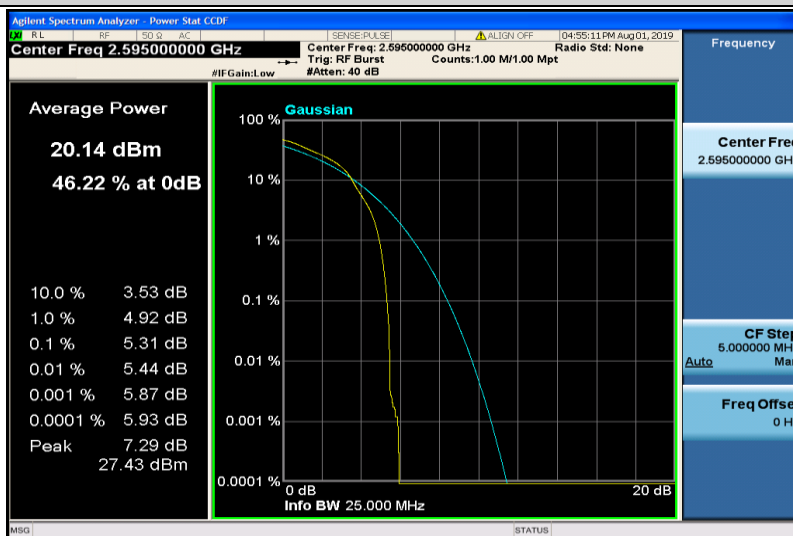
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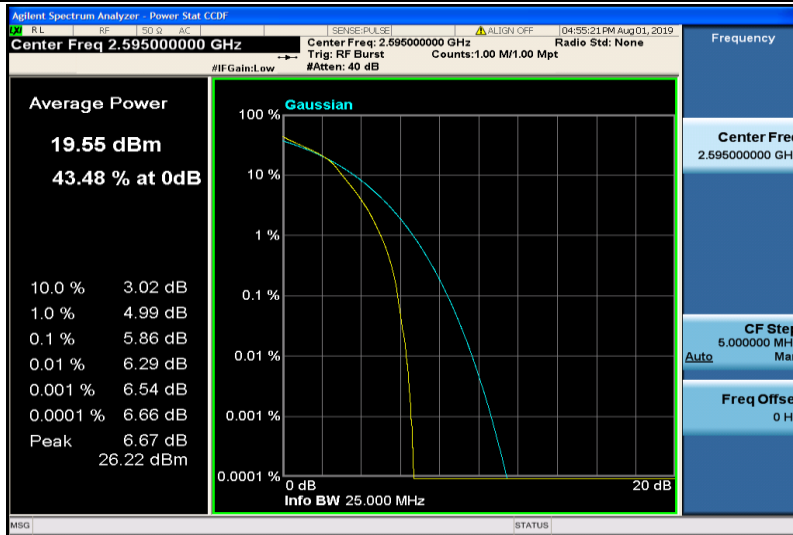
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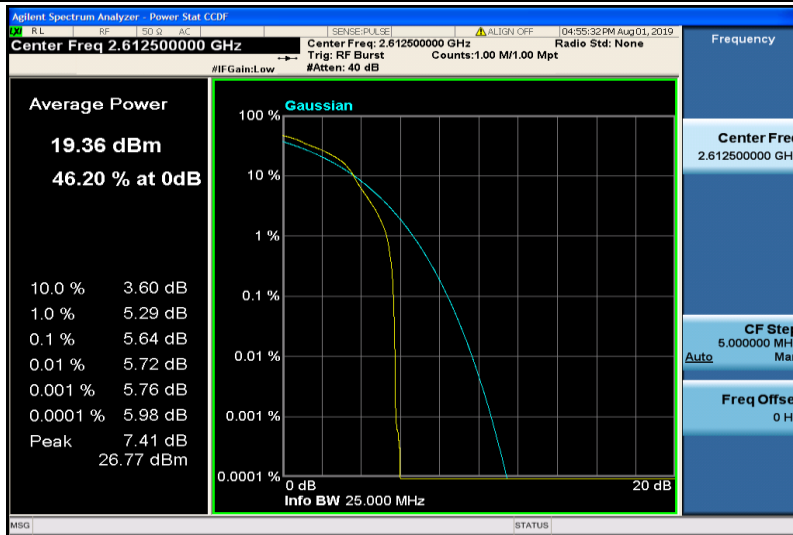
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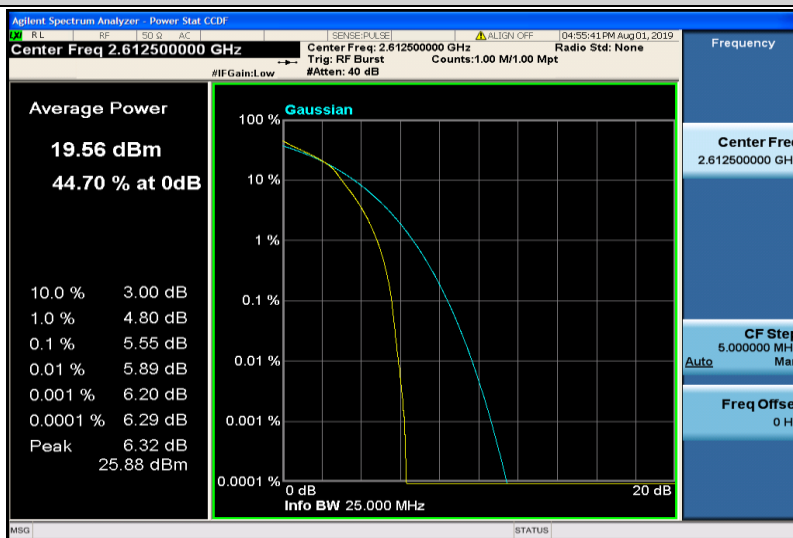
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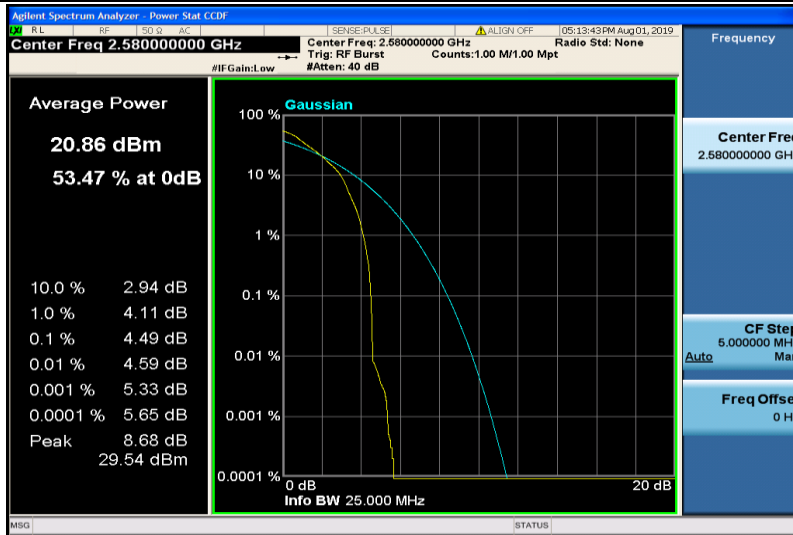
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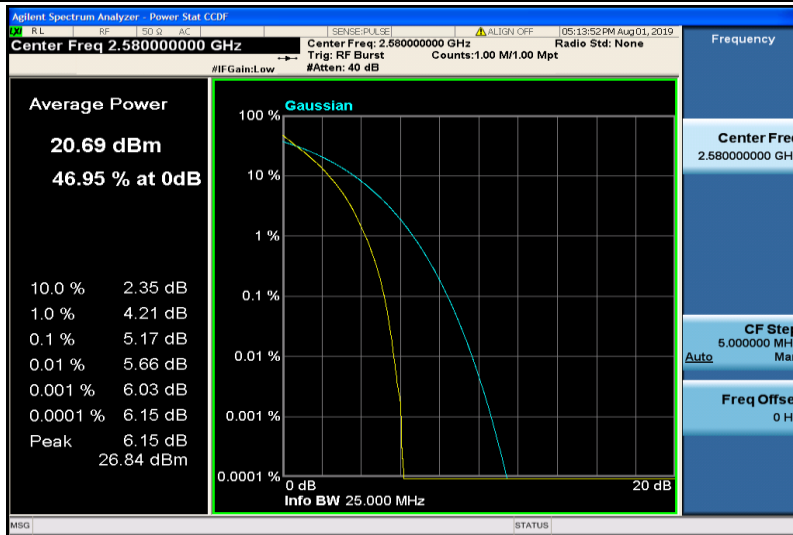
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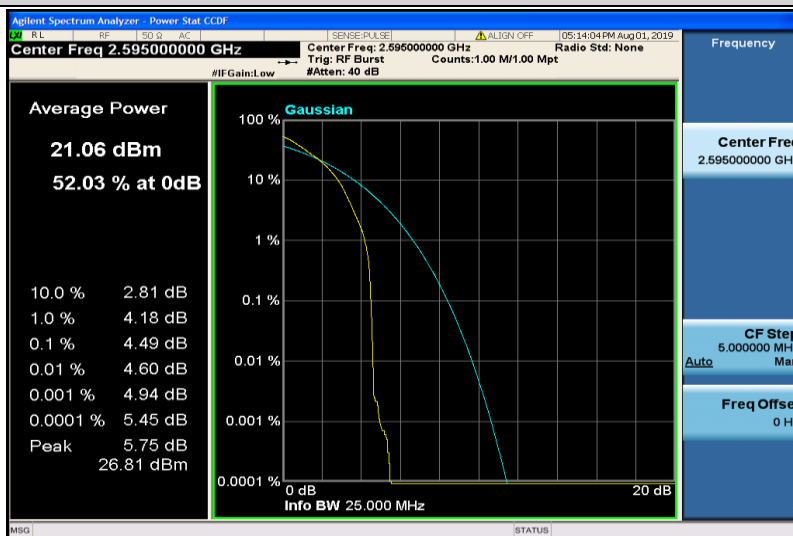
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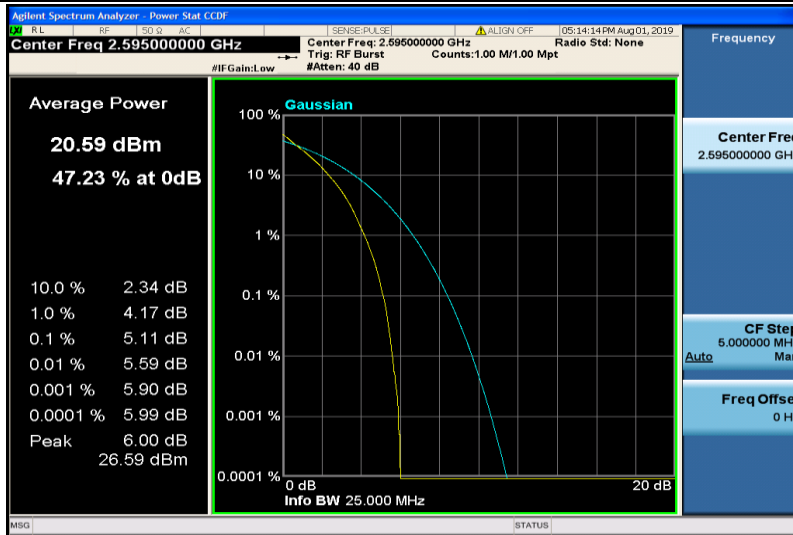
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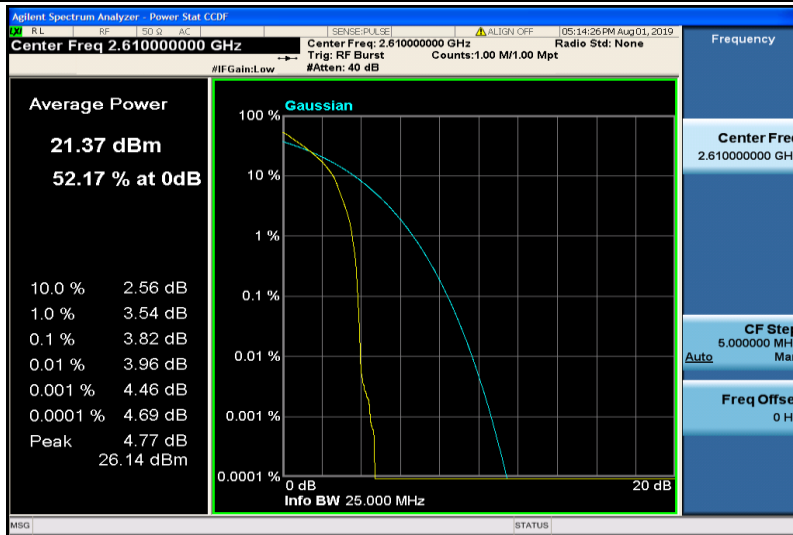
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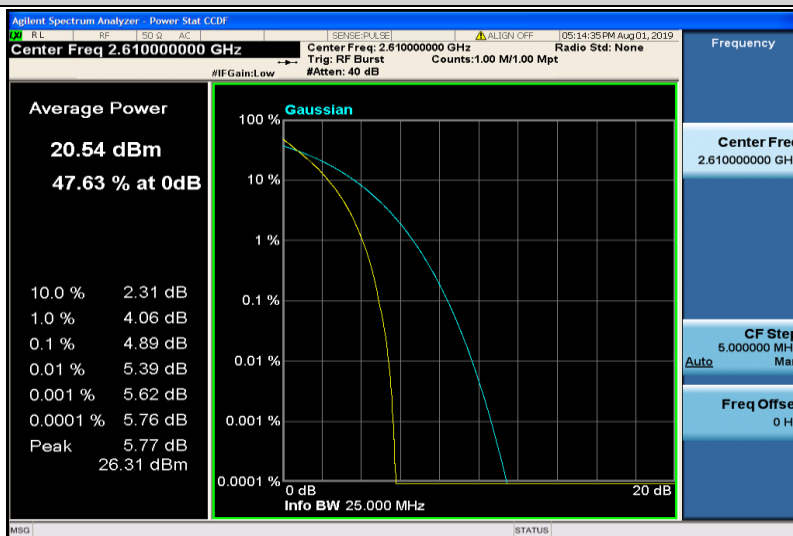
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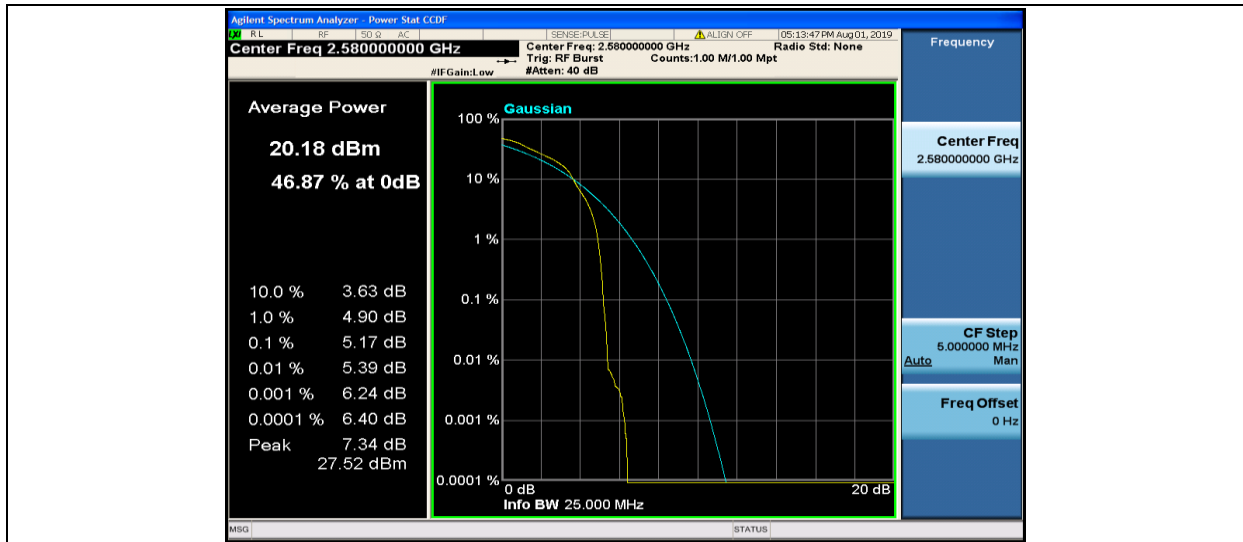
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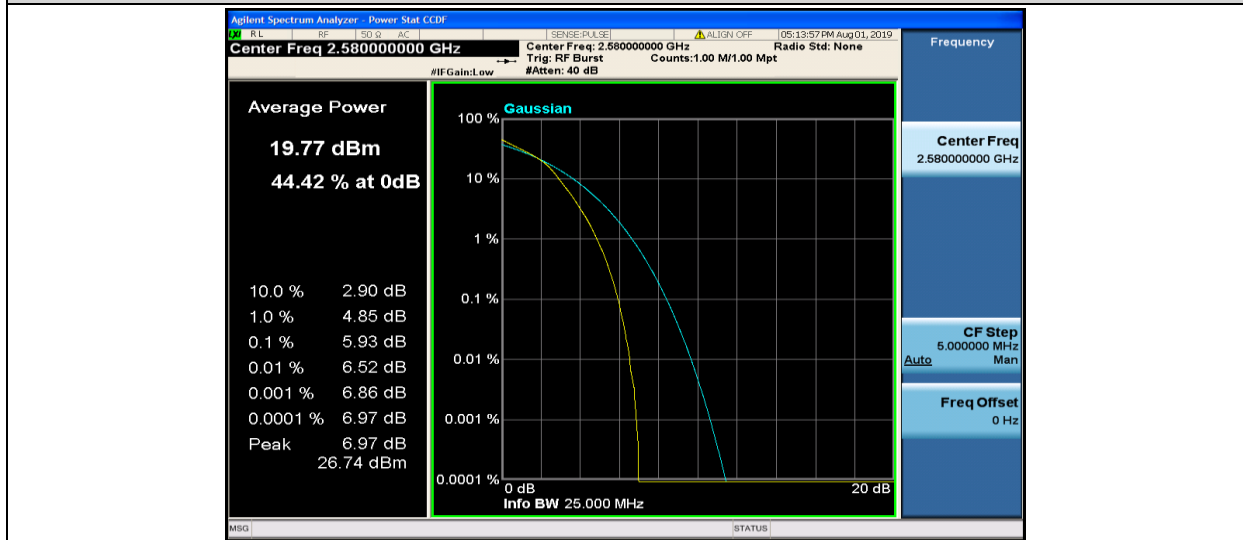
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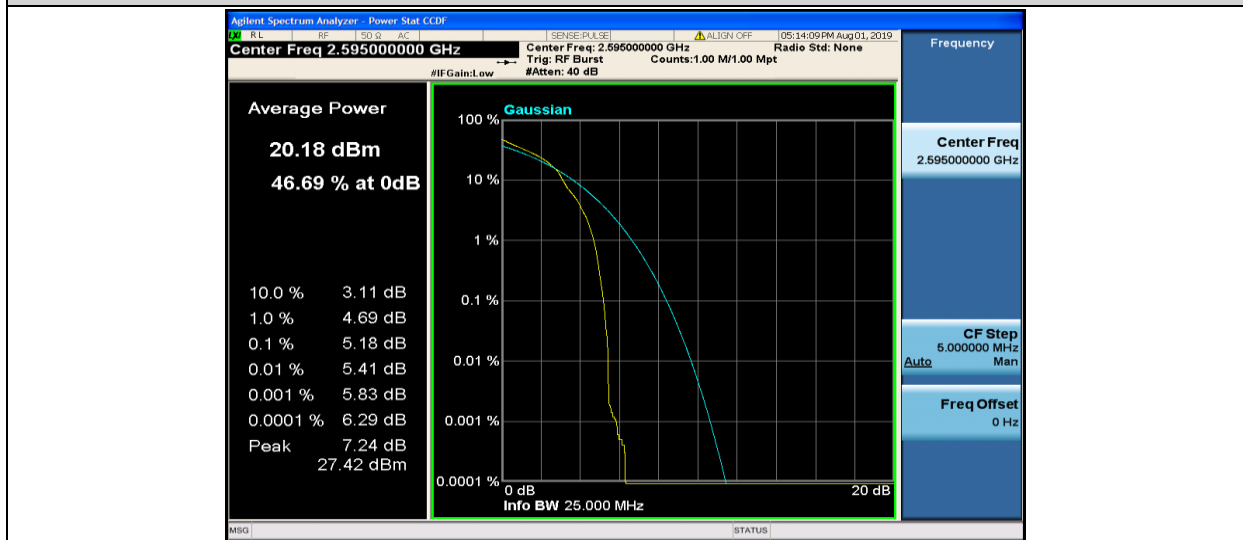
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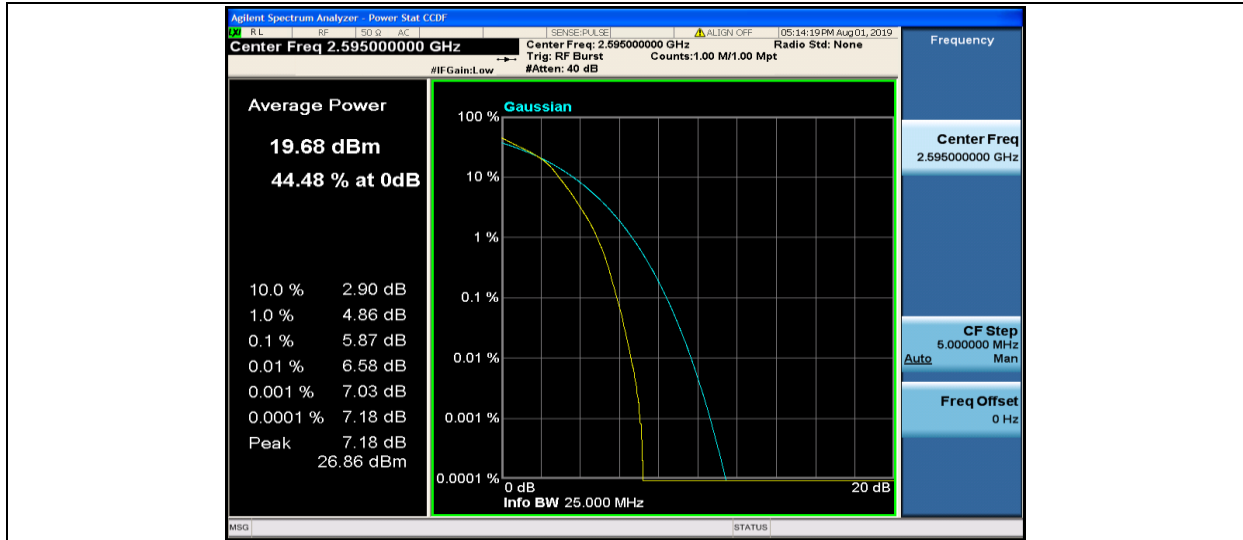
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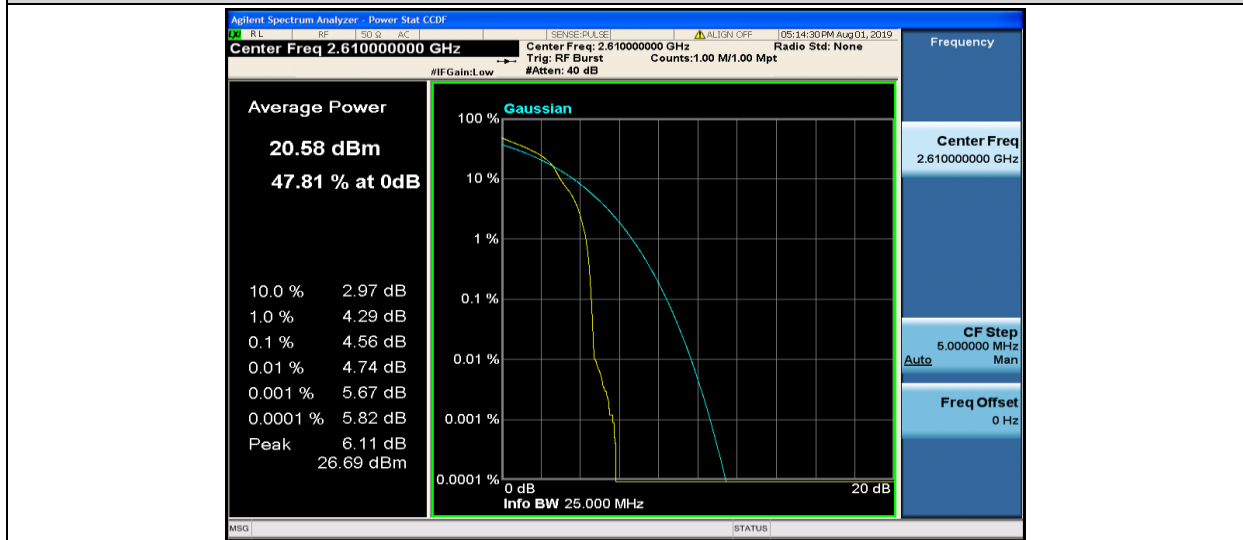
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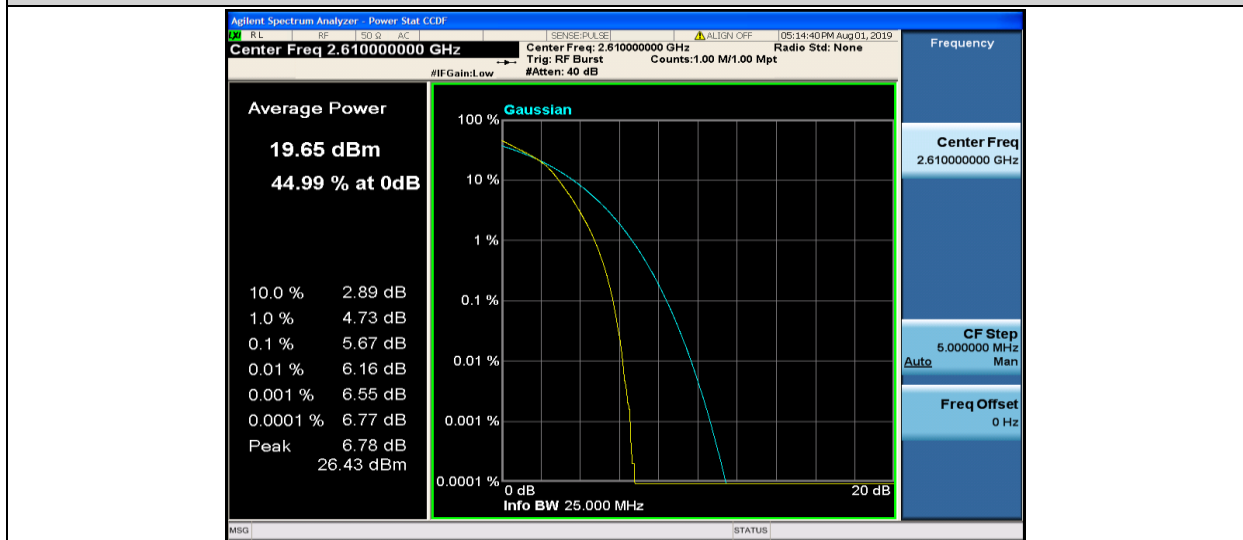
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Band38-20MHz-16QAM-38000-100RB#0



Band38-20MHz-16QAM-38150-1RB#0



Band38-20MHz-16QAM-38150-100RB#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	1.1010	1.307	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.1013	1.292	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.1035	1.306	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0996	1.266	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.1038	1.282	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.1019	1.284	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6884	2.999	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6925	2.989	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6883	2.996	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6917	3.012	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6873	3.033	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6866	2.984	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5130	5.393	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5201	5.217	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5380	5.343	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5474	5.434	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5475	5.392	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5287	5.269	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9594	9.737	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9542	9.887	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9474	9.765	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9528	9.844	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9534	9.926	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9476	9.822	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.512	15.75	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.454	15.33	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.482	15.17	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.509	14.96	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.534	15.38	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.471	15.01	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.973	19.86	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.930	19.78	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.943	19.70	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.957	20.12	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.987	19.98	PASS



Band2	20MHz	16QAM	19100	100RB#0	17.980	19.93	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1.1005	1.287	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1012	1.309	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0978	1.302	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1009	1.296	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1020	1.281	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1010	1.295	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6885	2.993	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6934	2.990	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6875	2.979	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6904	3.048	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6854	3.023	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6841	2.997	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5130	5.450	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5176	5.196	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5294	5.313	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5475	5.394	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5465	5.355	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5243	5.271	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9608	9.901	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9549	9.800	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9508	9.795	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9593	9.968	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9553	9.935	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9429	9.686	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.516	15.28	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.492	15.71	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.478	15.34	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.499	15.06	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.480	14.90	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.544	15.21	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.904	20.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.942	19.57	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.023	20.01	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.942	19.64	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.999	19.72	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.979	20.29	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1.0941	1.263	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0986	1.303	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0982	1.283	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1043	1.273	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1019	1.284	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0984	1.277	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6908	2.996	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6921	2.991	PASS



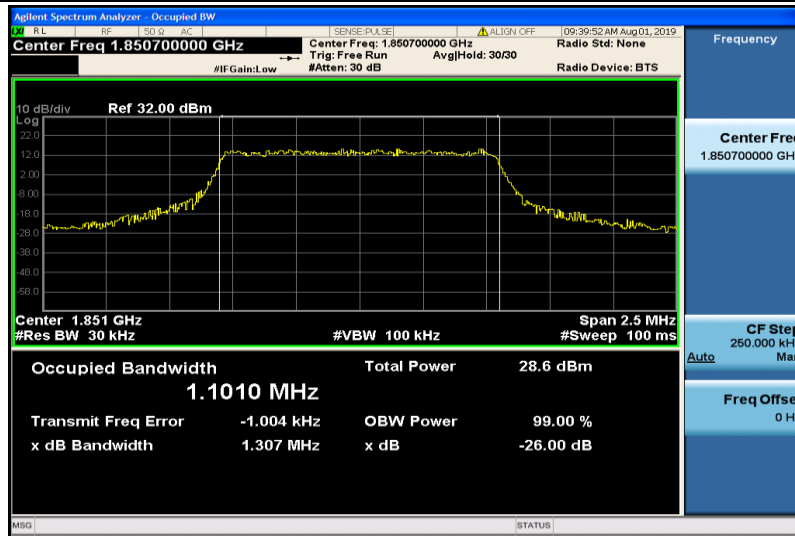
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Band5	3MHz	16QAM	20415	15RB#0	2.6907	3.024	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6876	3.034	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6869	2.969	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5308	5.282	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5341	5.353	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5378	5.337	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5283	5.277	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5268	5.280	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5281	5.275	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9413	9.736	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9484	9.797	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9451	9.841	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9409	9.801	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9585	9.985	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9452	9.891	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.5358	5.347	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5183	5.449	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5166	5.213	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5262	5.275	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5490	5.418	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5453	5.373	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9745	9.985	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9448	9.711	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9468	9.746	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9712	9.935	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9578	9.867	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9539	9.799	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.540	15.81	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.462	15.37	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.472	15.29	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.522	14.96	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.523	15.26	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.500	14.90	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.966	19.78	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.923	19.87	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.927	19.75	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.984	19.98	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.960	19.91	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.912	19.80	PASS
Band38	5MHz	QPSK	37775	25RB#0	4.5206	5.179	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4956	5.167	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5078	5.197	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5170	5.262	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5039	5.173	PASS



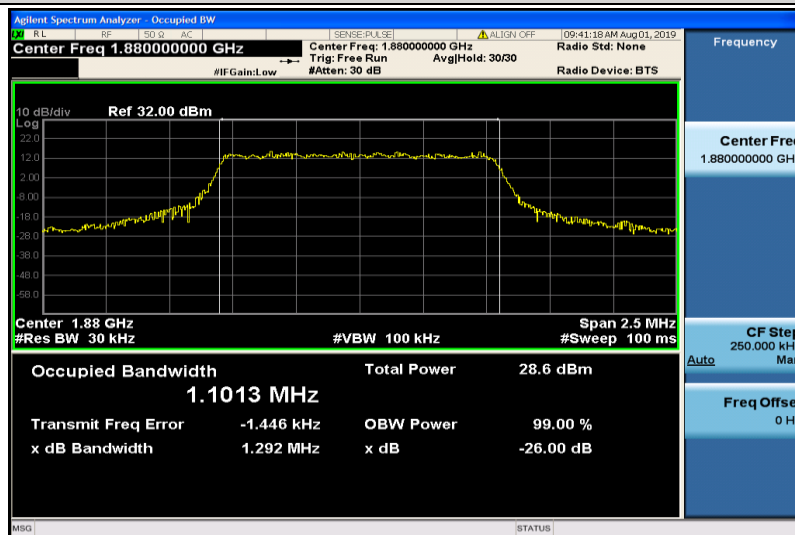
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Band38	10MHz	QPSK	38000	50RB#0	8.9409	9.751	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9516	9.898	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9449	10.40	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9445	9.678	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9487	9.718	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.1875	11.67	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.453	15.04	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.515	15.47	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.531	15.68	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.517	16.53	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.492	15.03	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.951	19.72	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.899	19.55	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.947	19.47	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.914	19.83	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.920	20.65	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.925	19.80	PASS



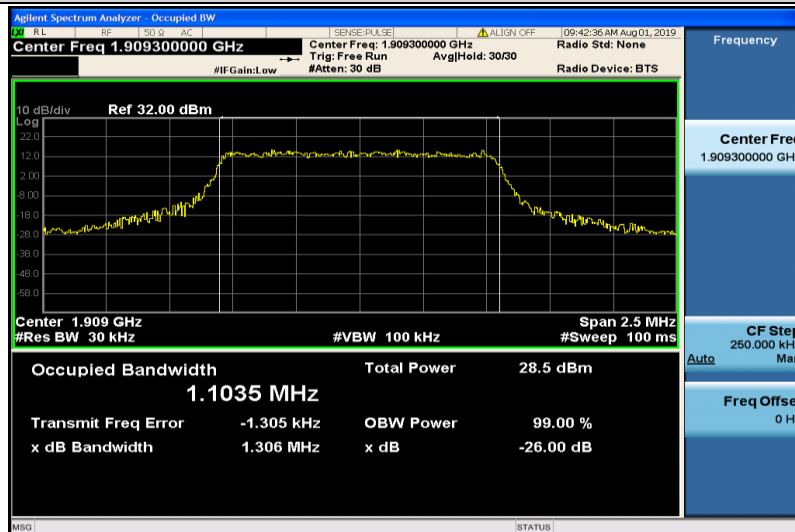
Test Graphs



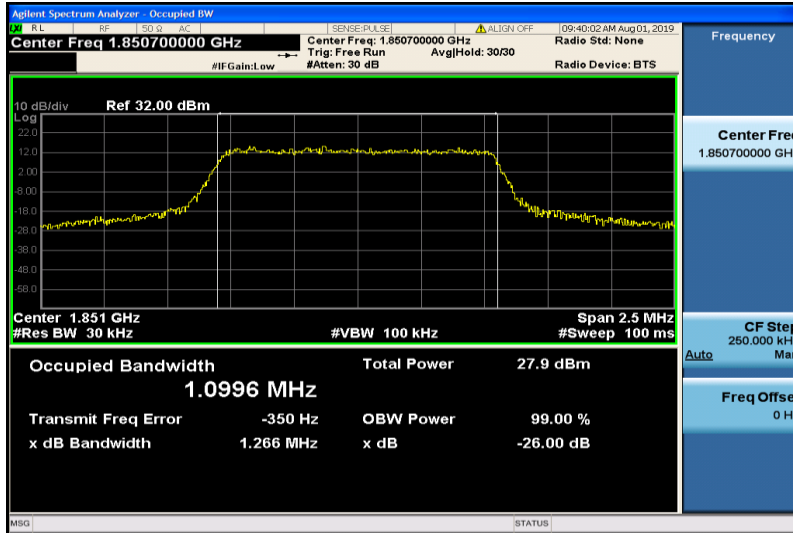
Band2-1.4MHz-QPSK-18607-6RB#0-1.1010



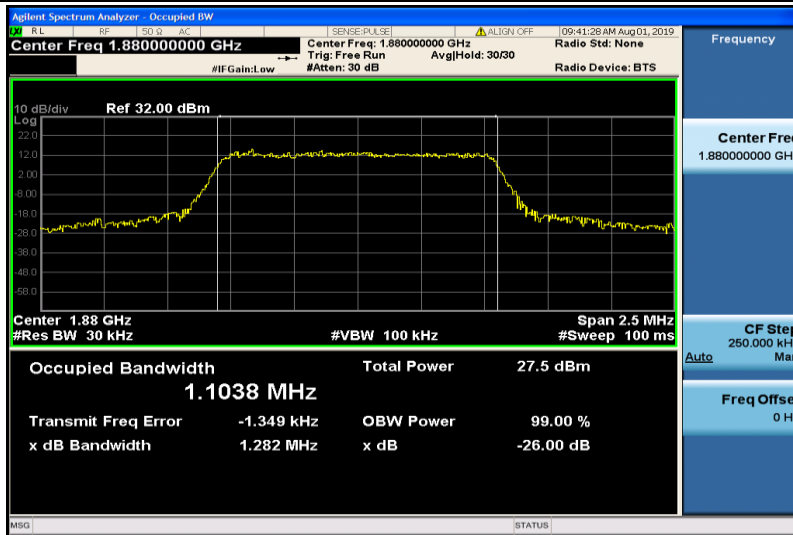
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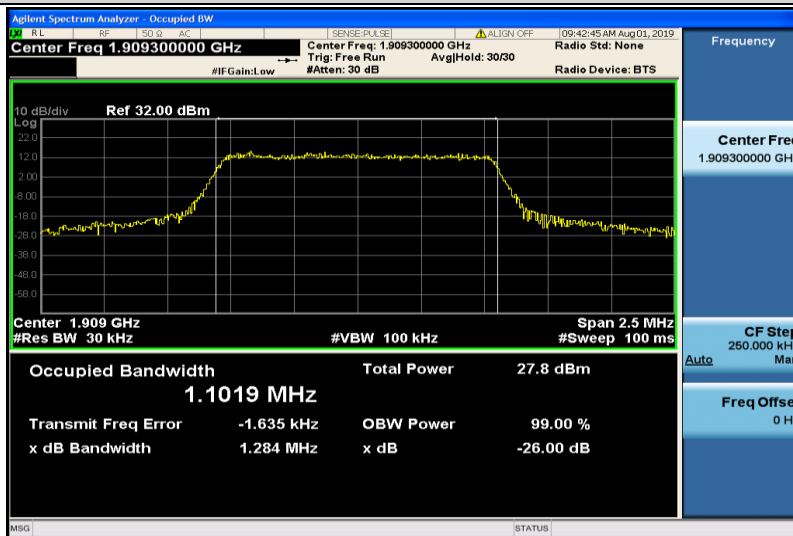
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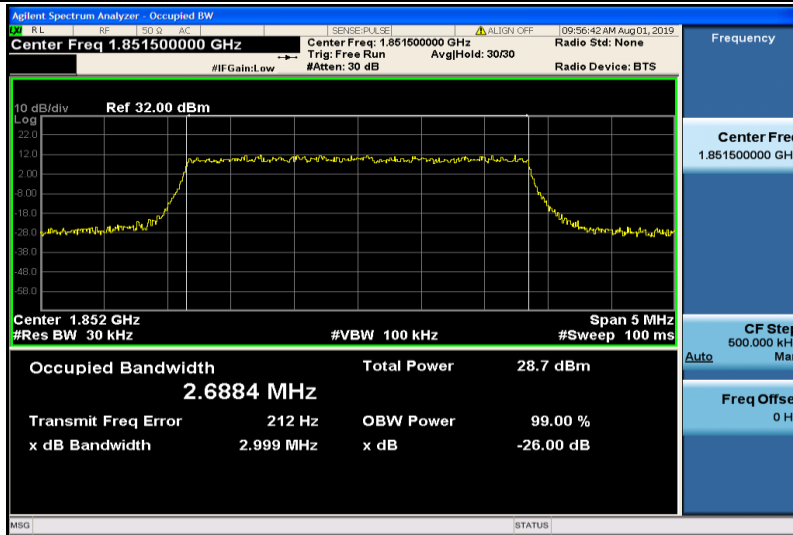
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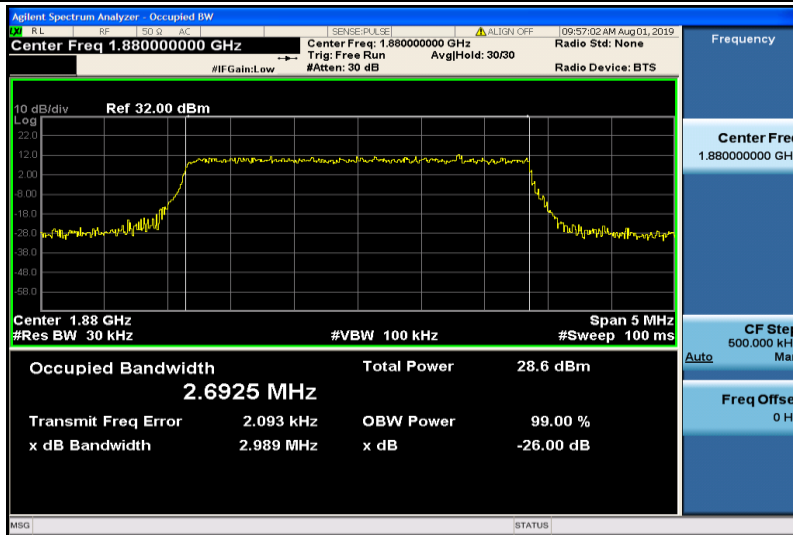
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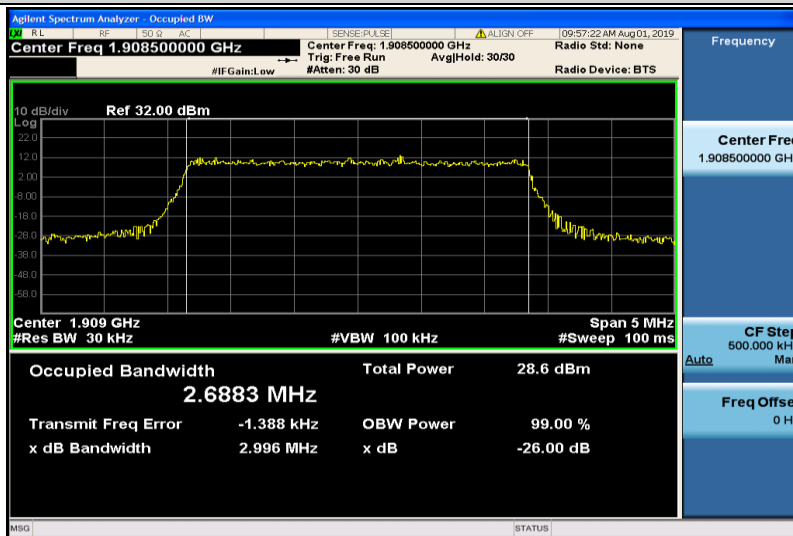
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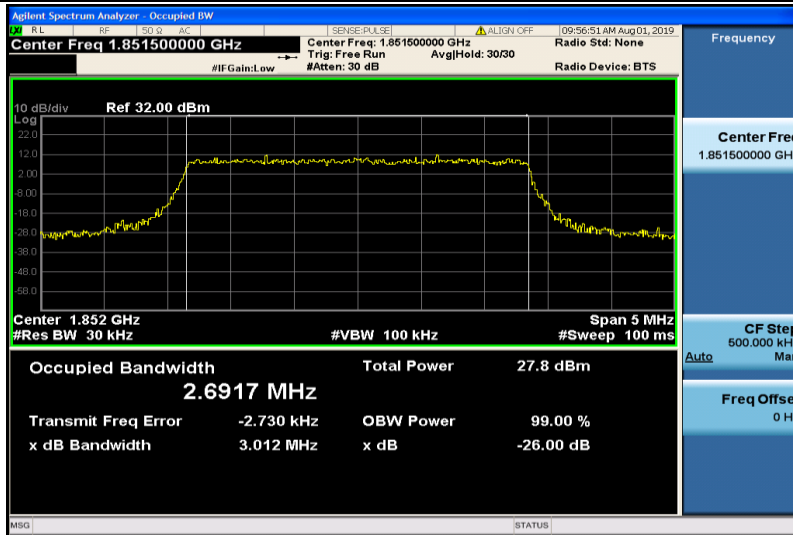
Band2-3MHz-QPSK-18615-15RB#0-2.6884



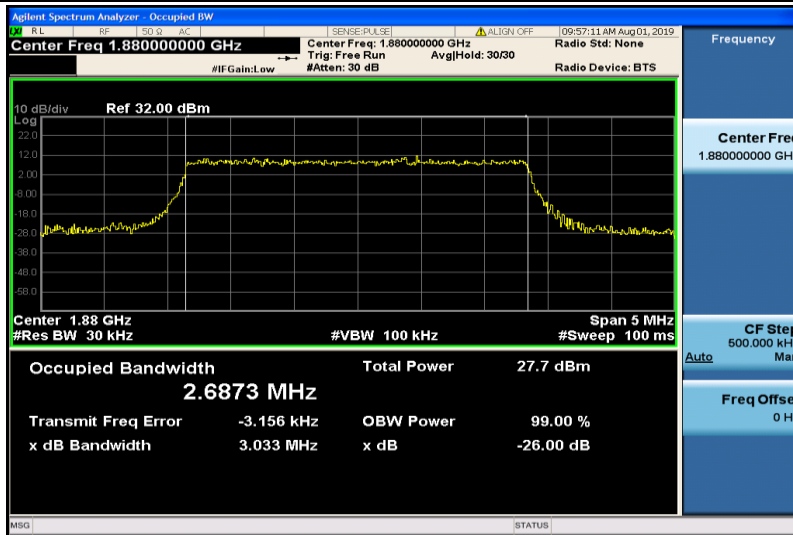
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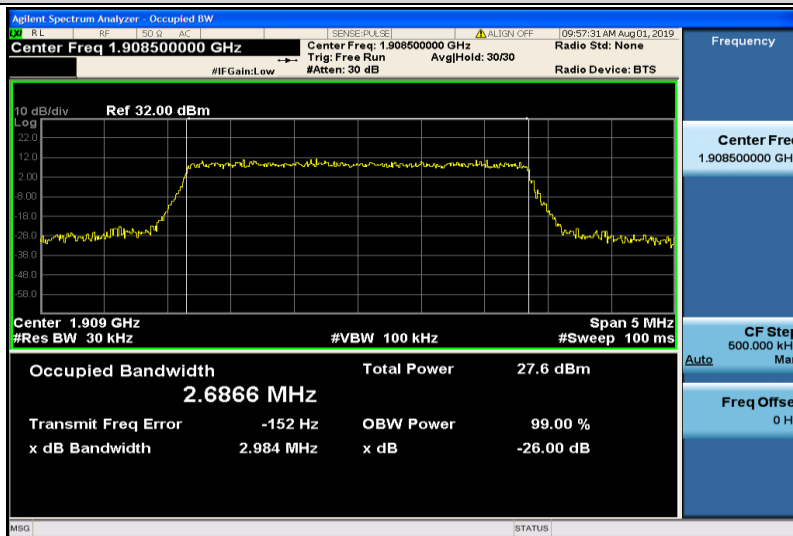
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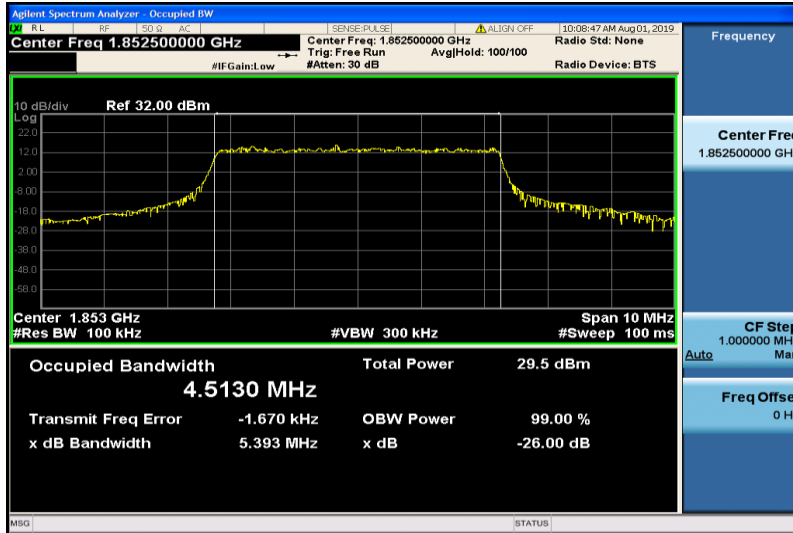
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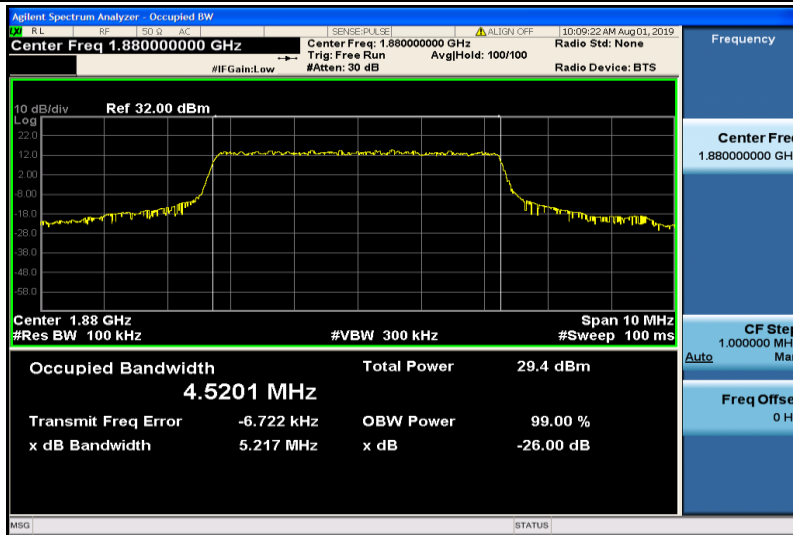
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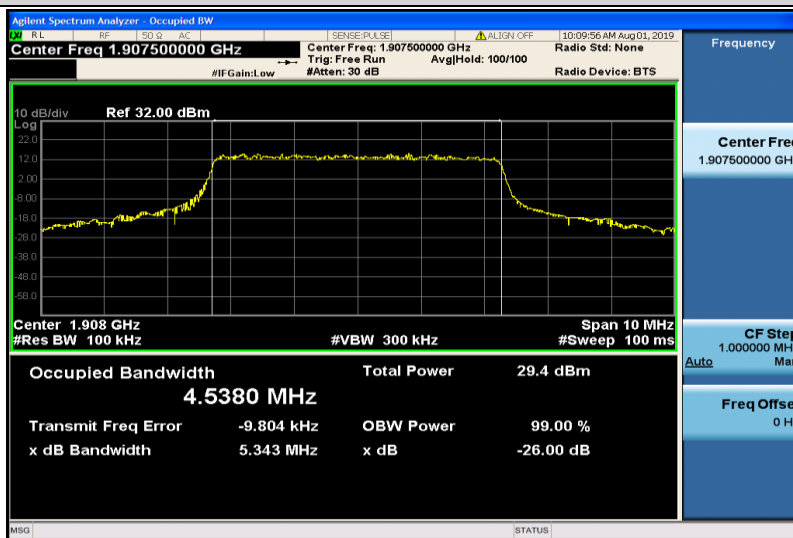
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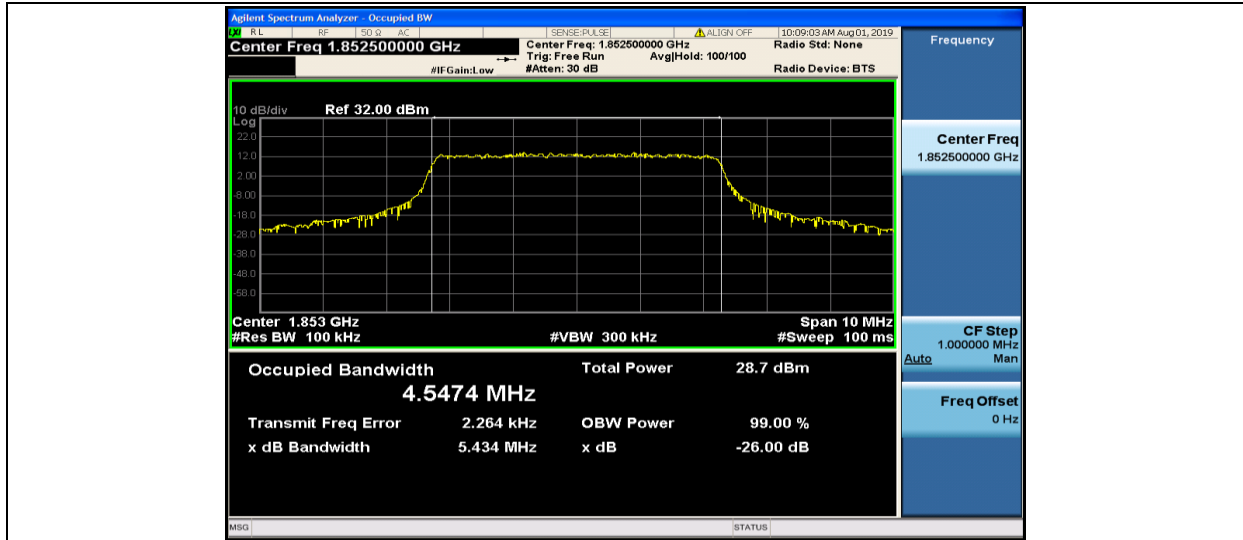
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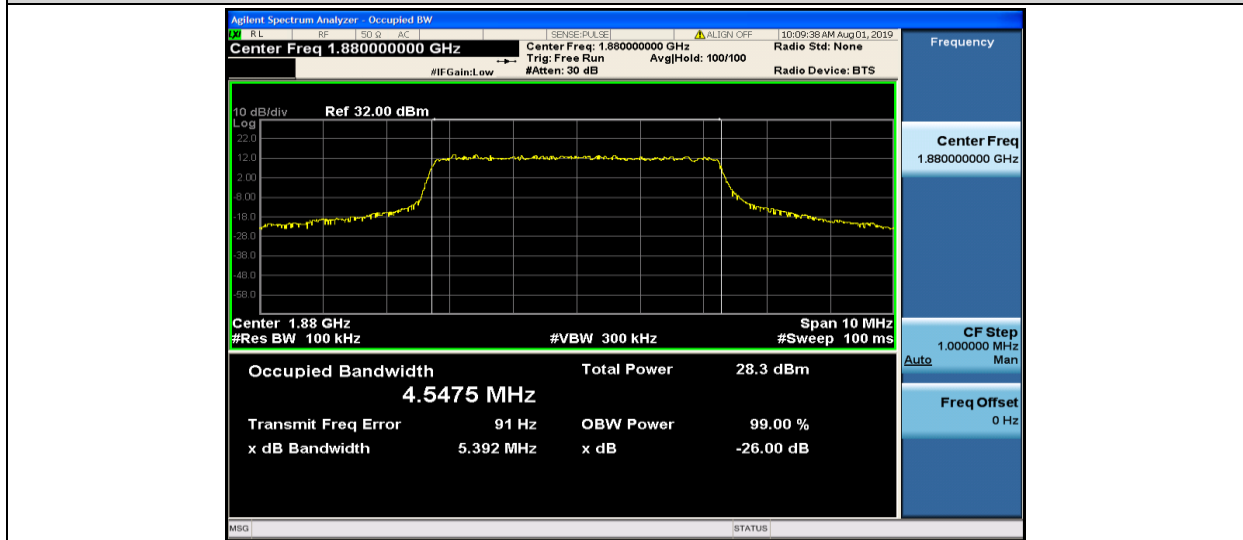
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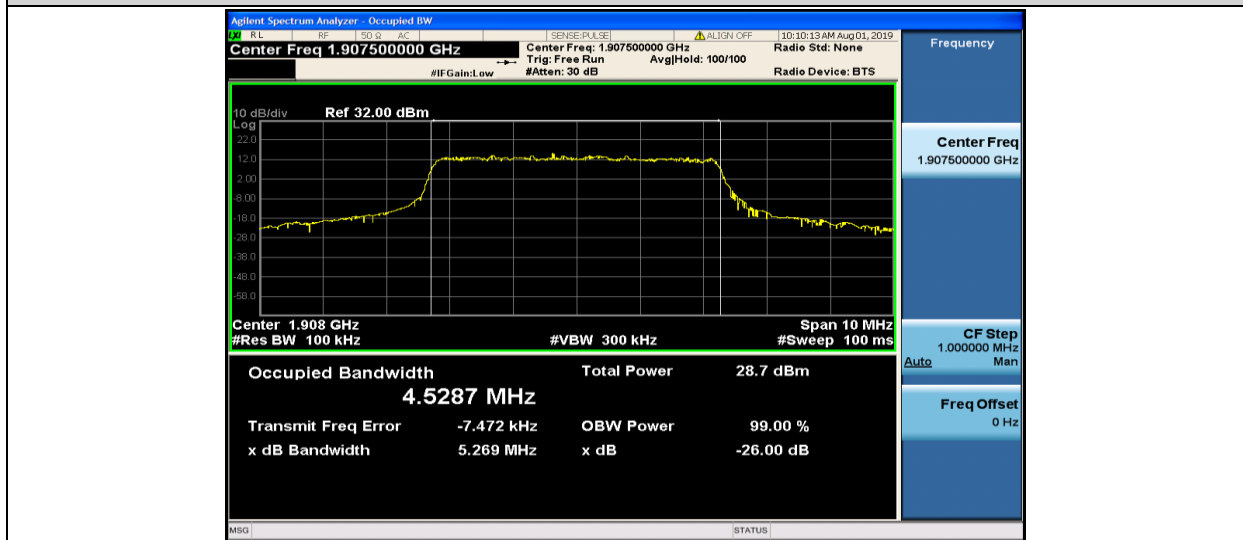
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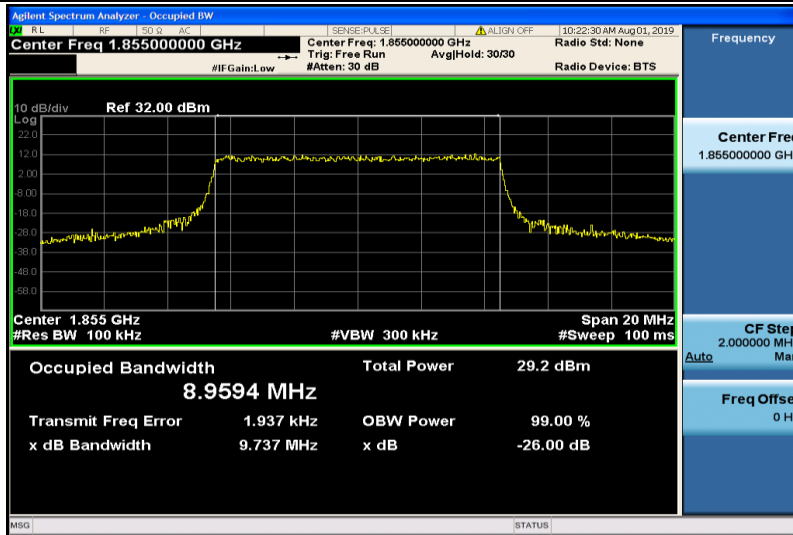
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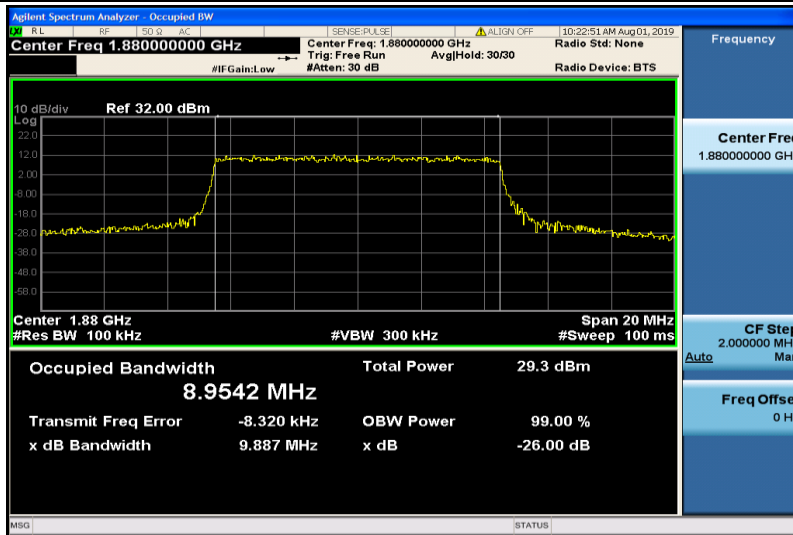
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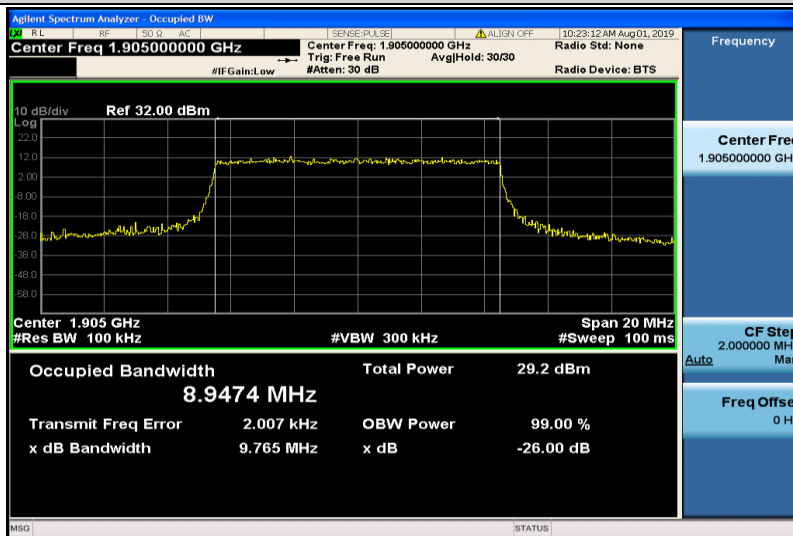
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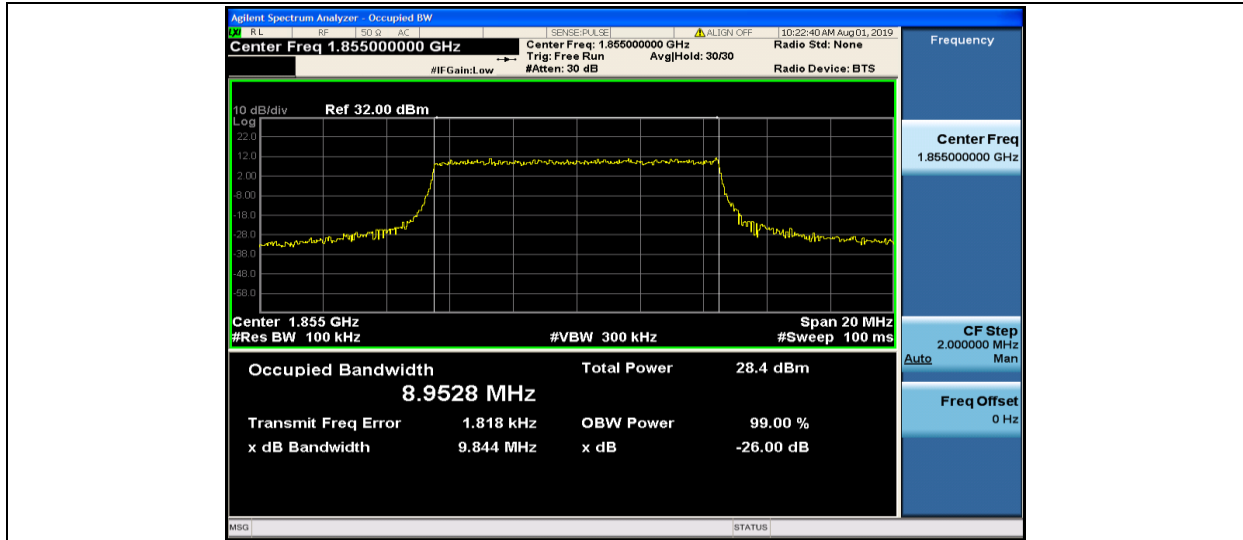
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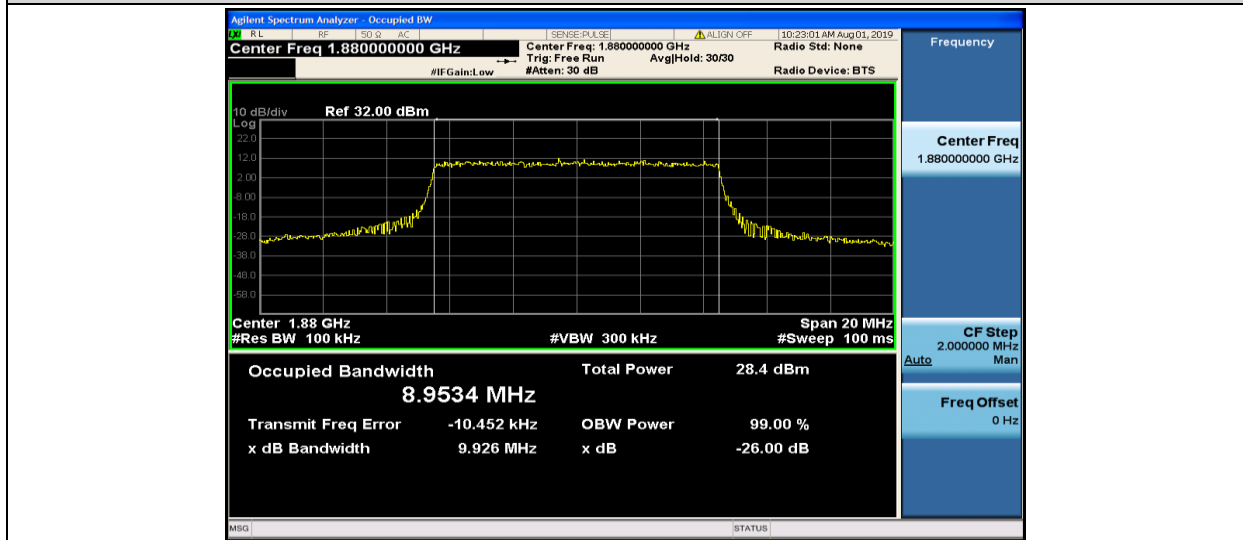
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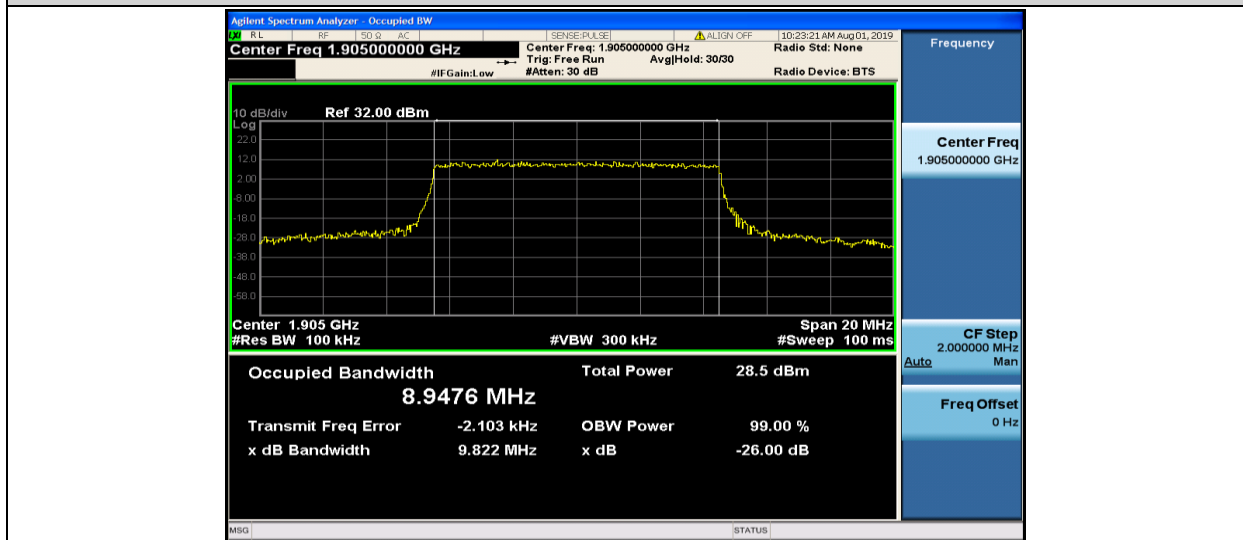
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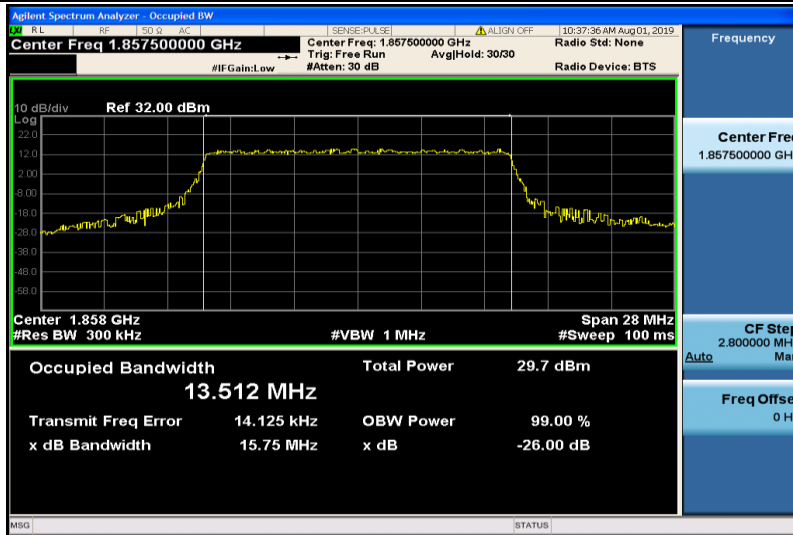
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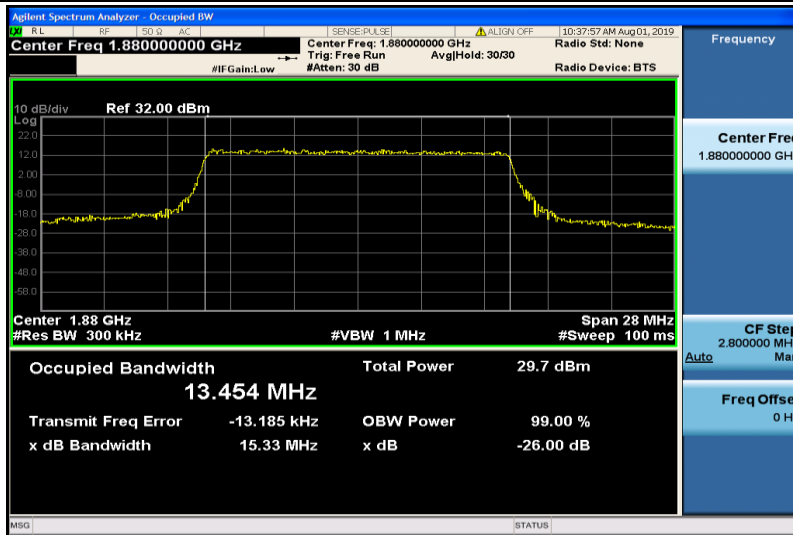
Band2-10MHz-16QAM-18900-50RB#0-8.9534



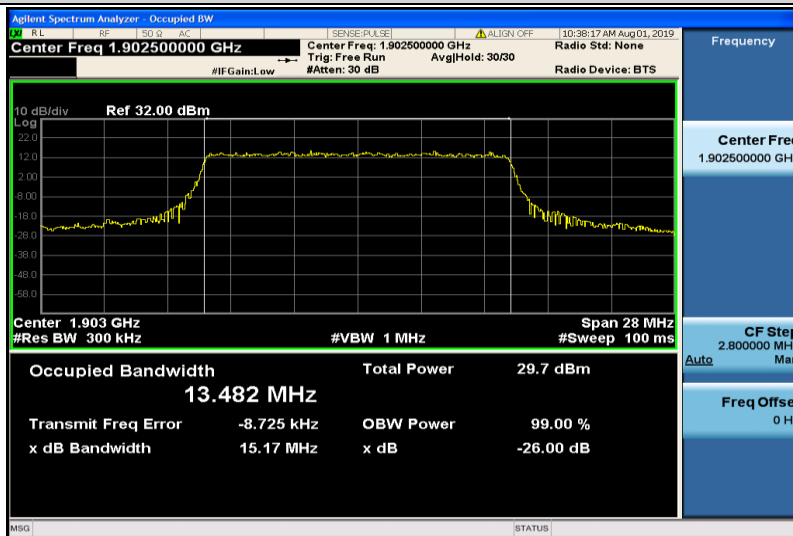
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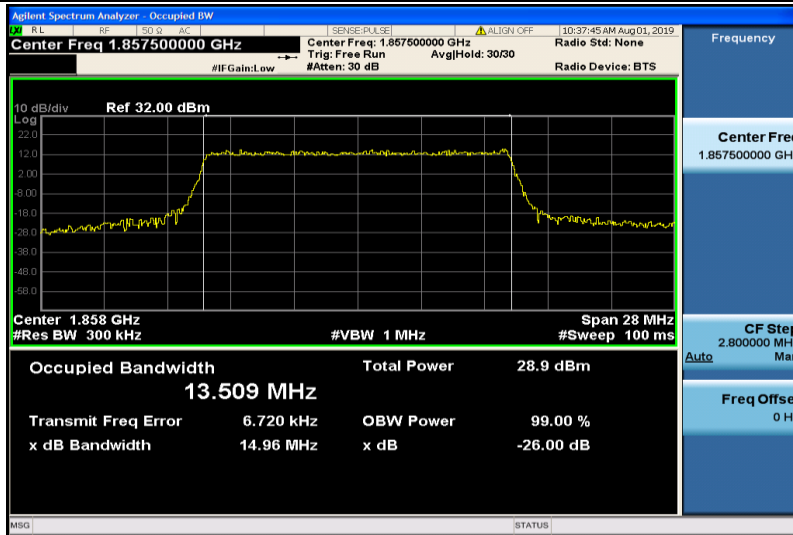
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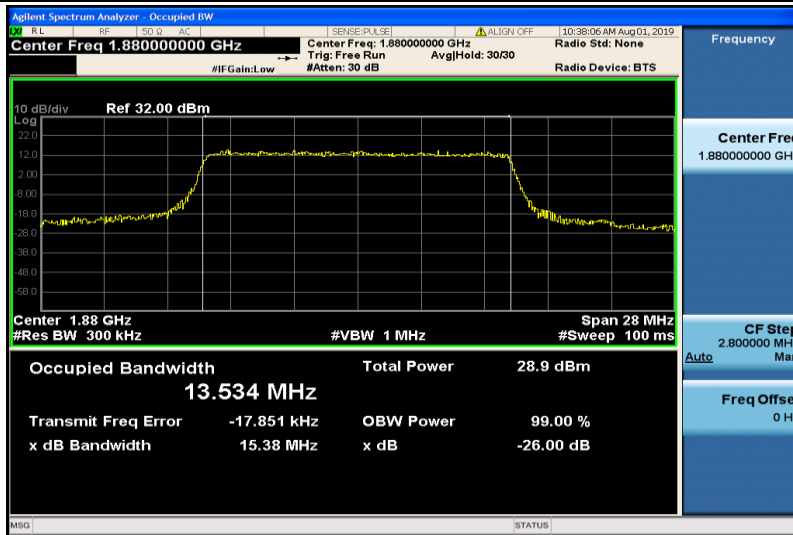
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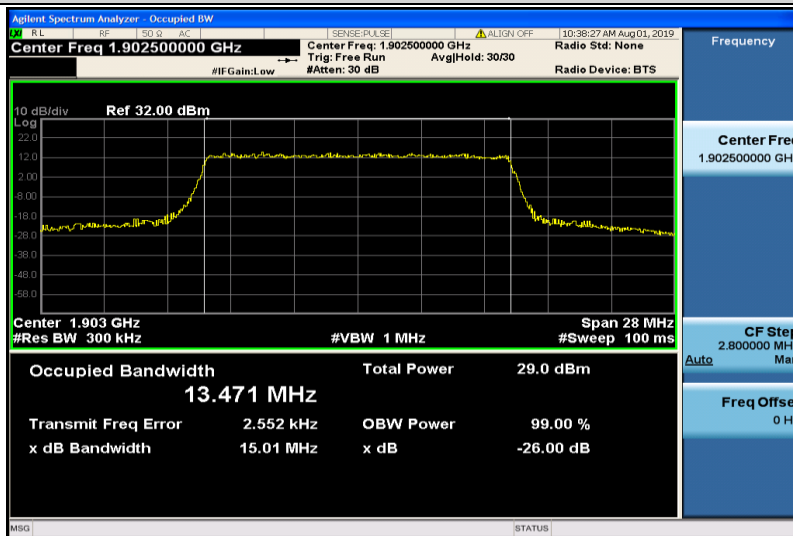
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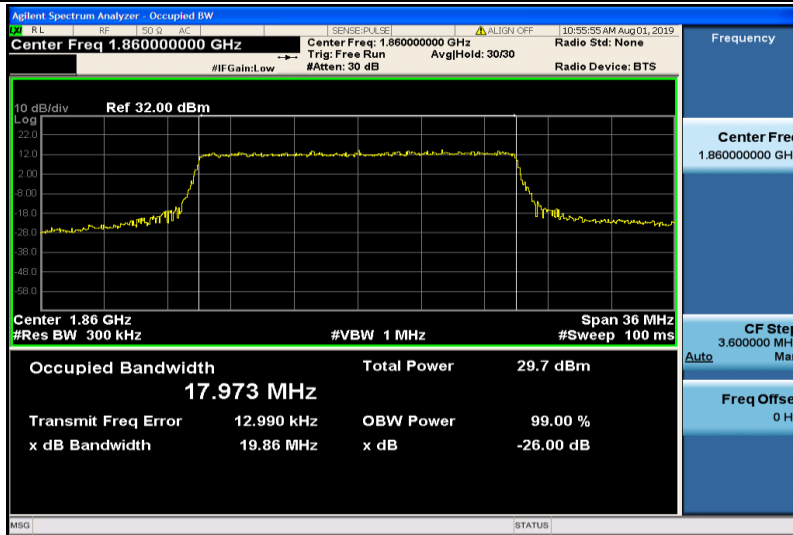
Band2-15MHz-16QAM-18675-75RB#0-13.509



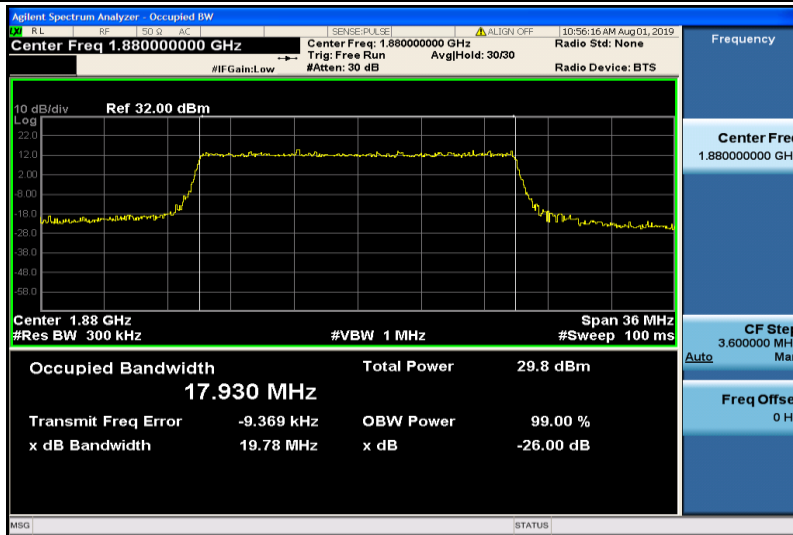
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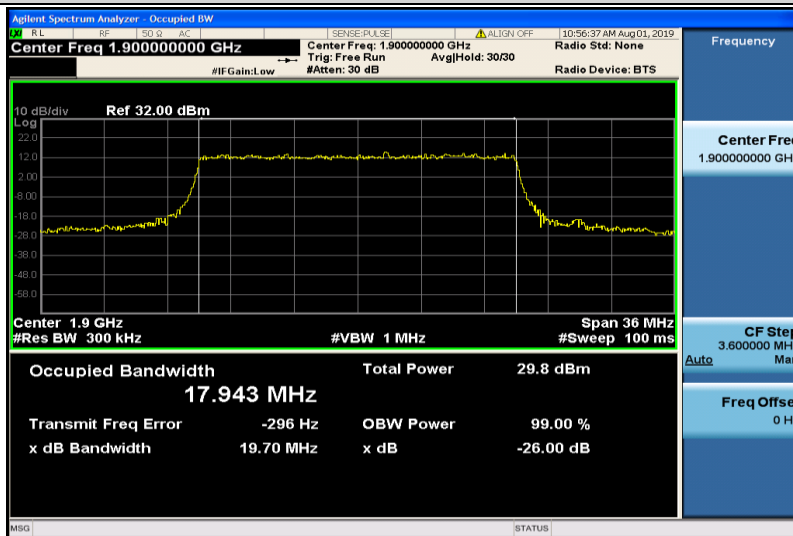
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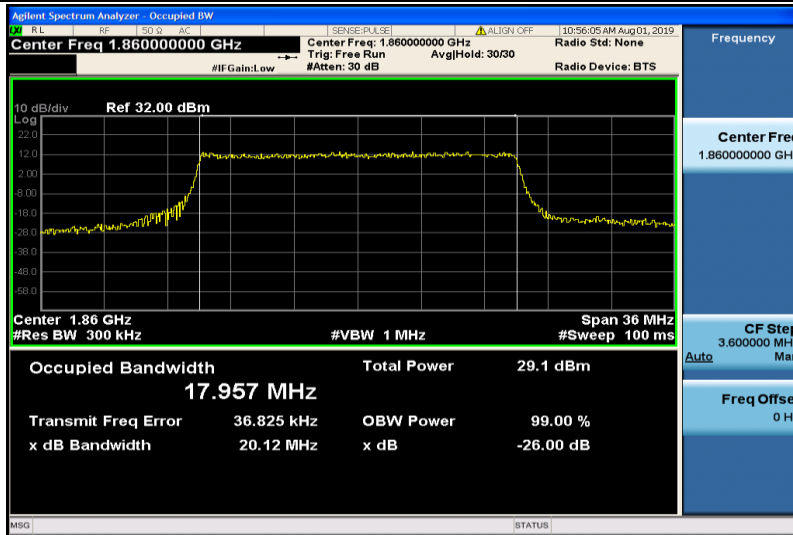
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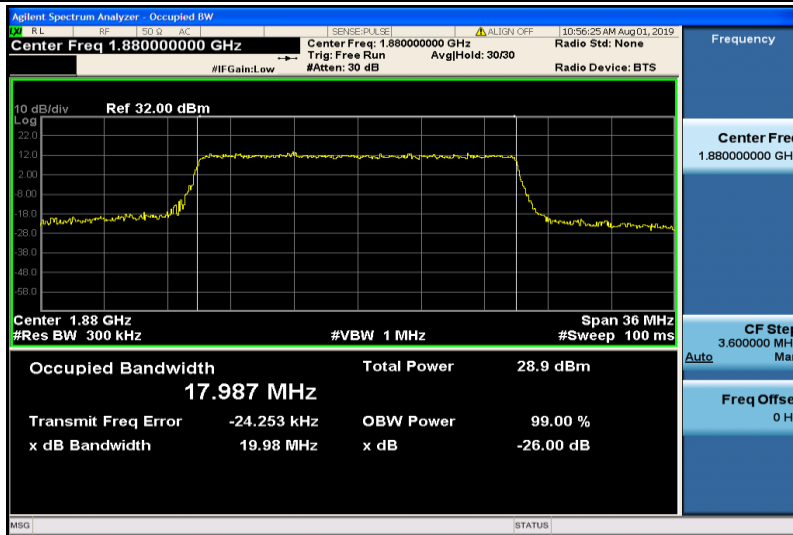
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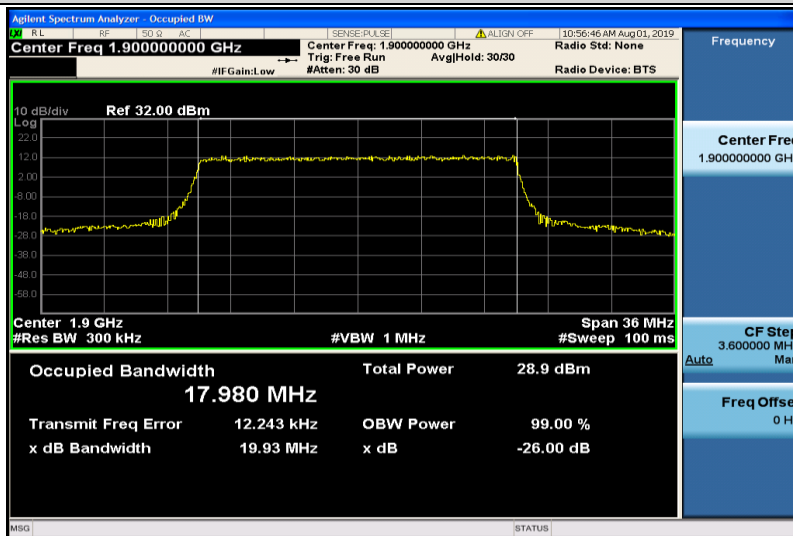
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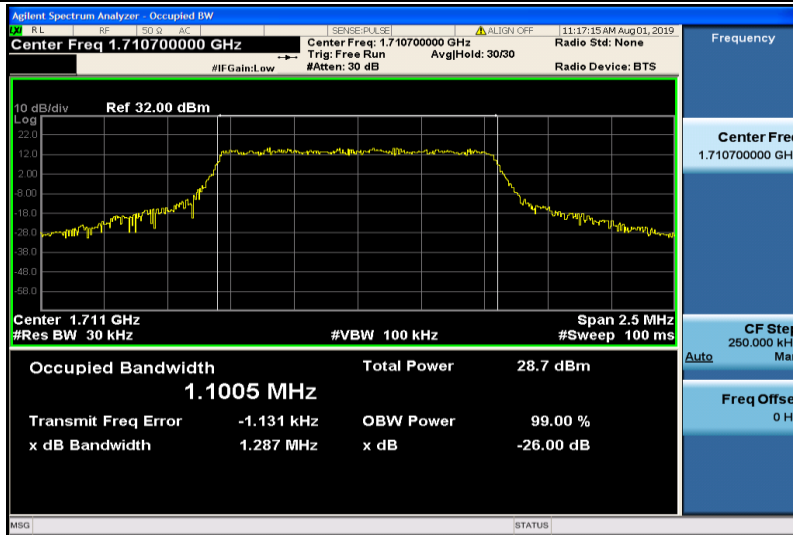
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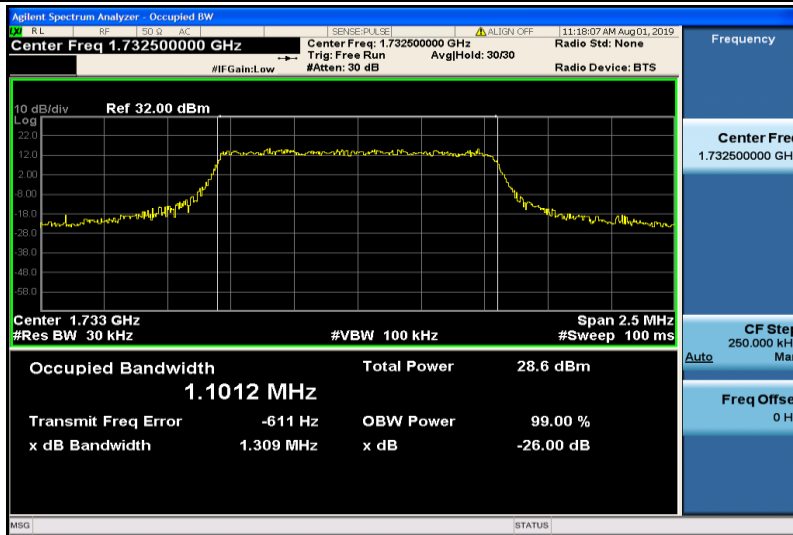
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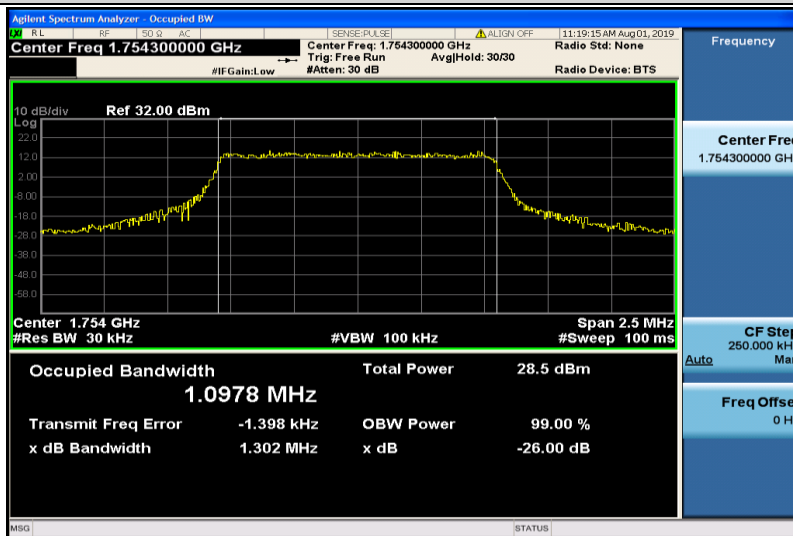
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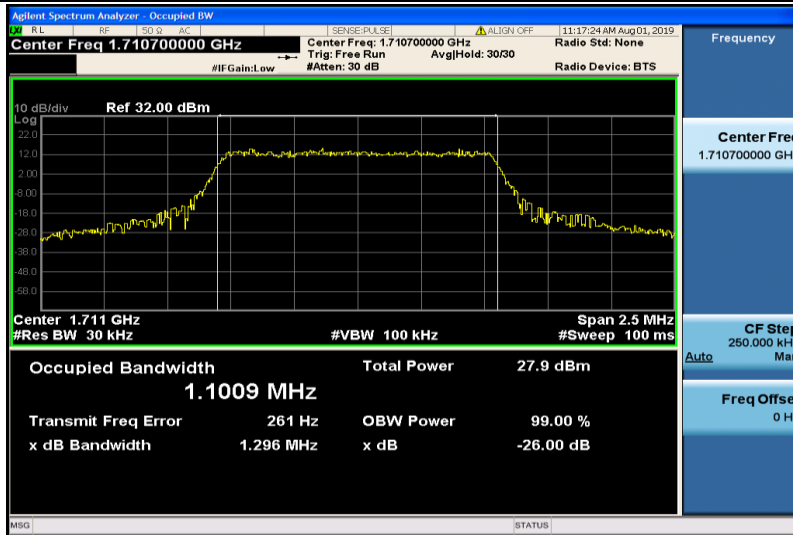
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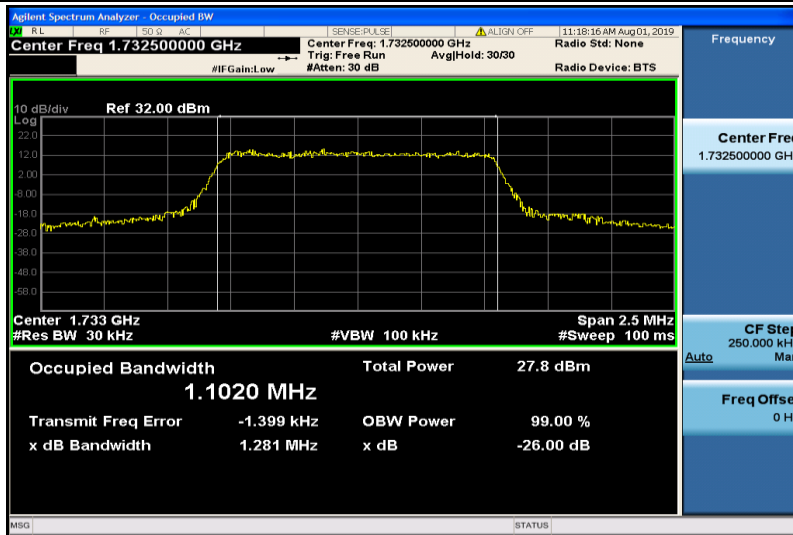
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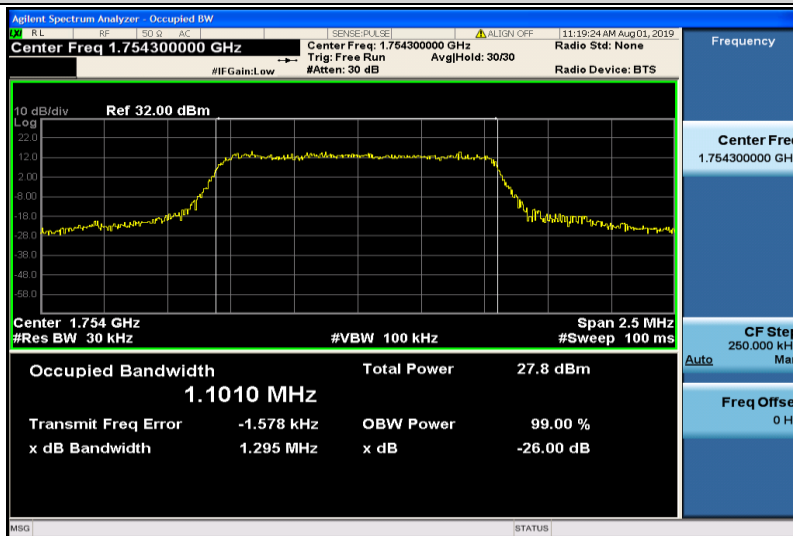
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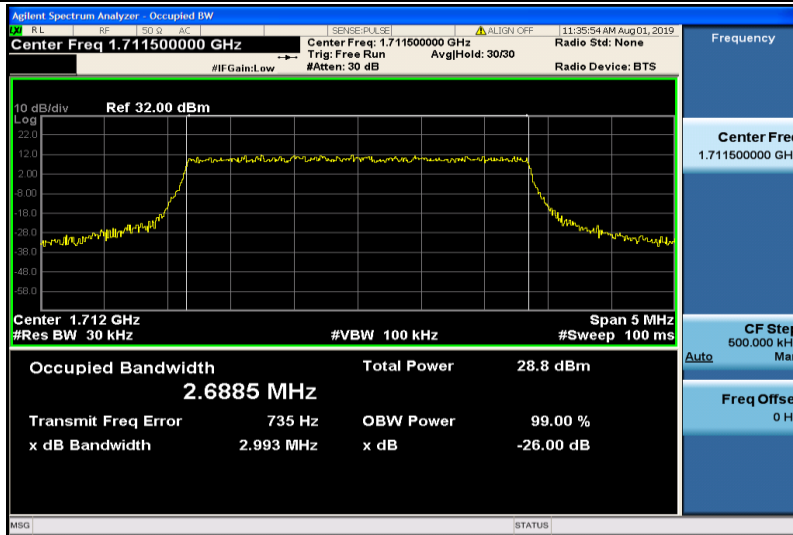
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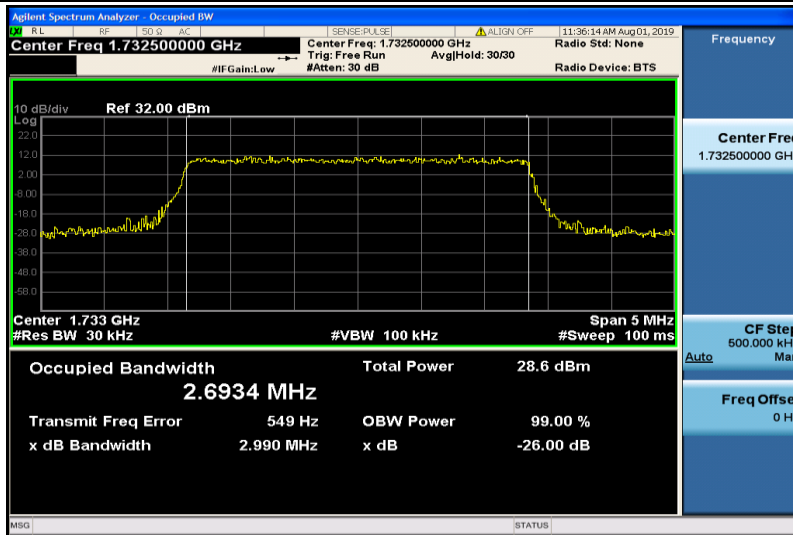
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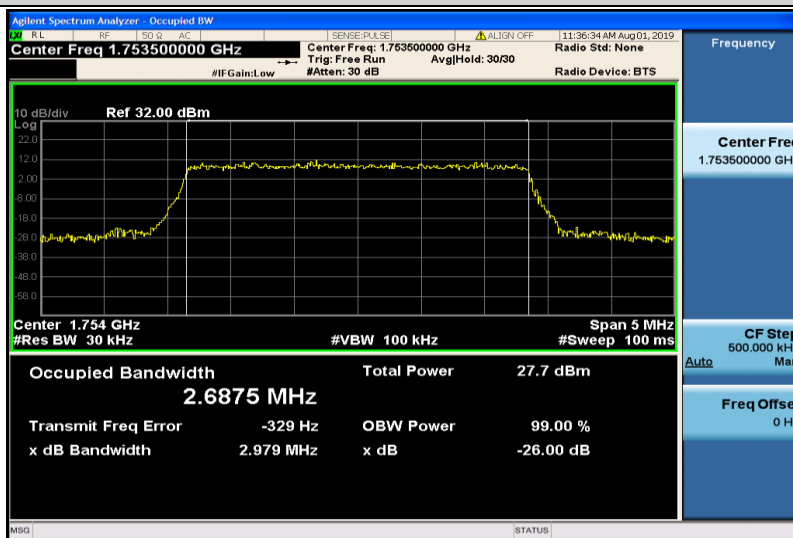
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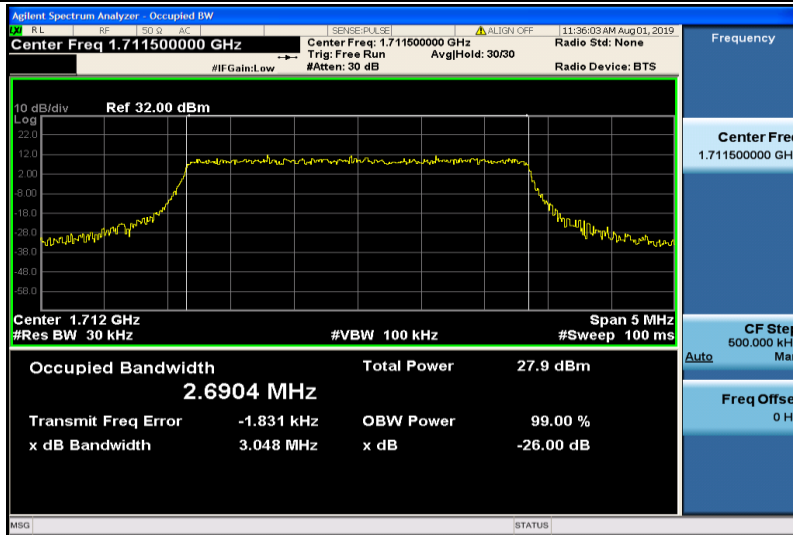
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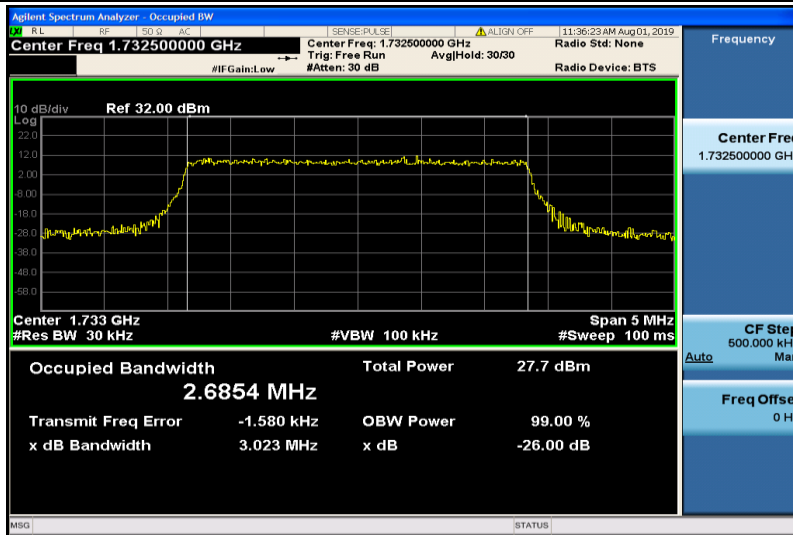
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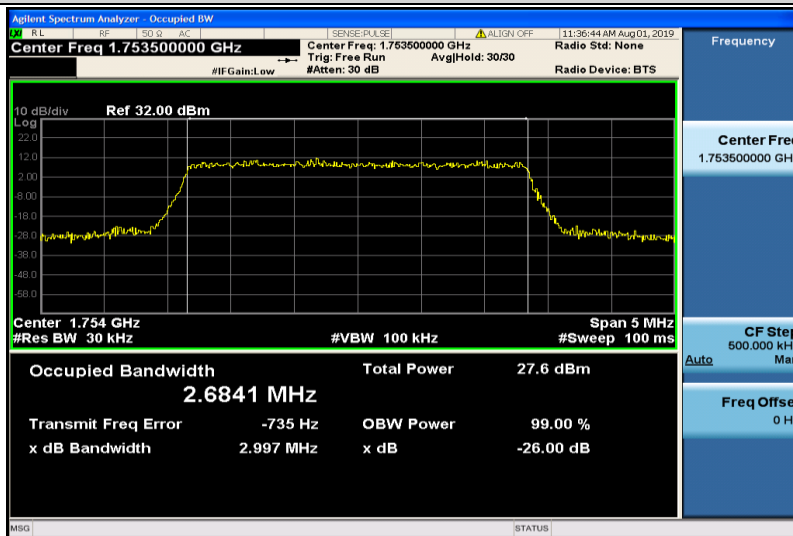
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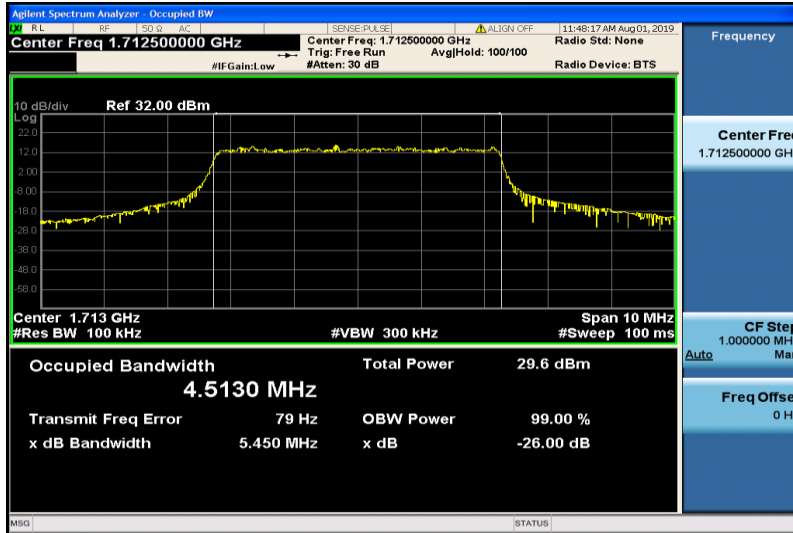
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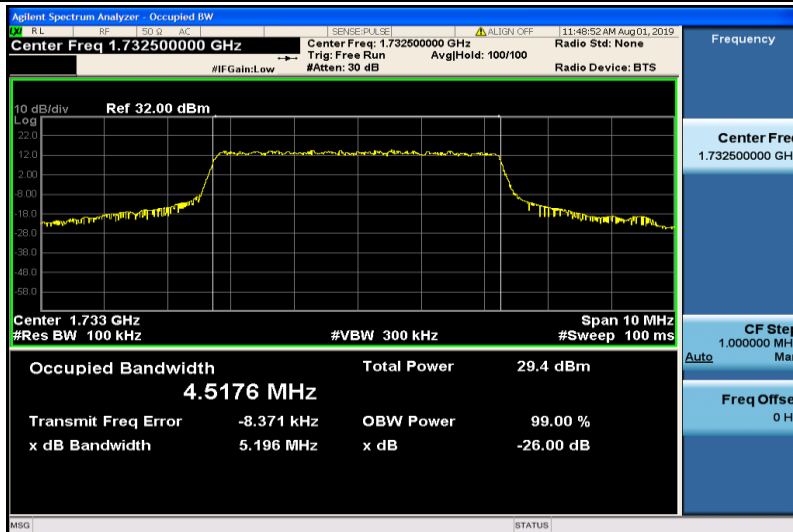
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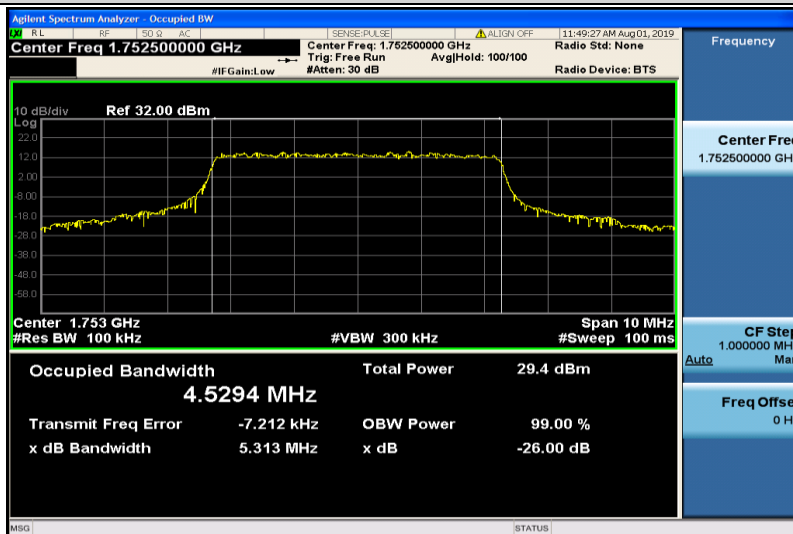
Band4-3MHz-16QAM-20385-15RB#0-2.6841



Band4-5MHz-QPSK-19975-25RB#0-4.5130



Band4-5MHz-QPSK-20175-25RB#0-4.5176



Band4-5MHz-QPSK-20375-25RB#0-4.5294