

## 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	1.0785	1.238	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0805	1.238	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0794	1.288	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0796	1.242	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0765	1.240	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0817	1.267	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6799	2.864	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6760	2.856	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6763	2.857	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6713	2.856	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6768	2.854	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6714	2.858	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4629	4.807	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4748	4.828	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4713	4.856	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4690	4.859	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4760	4.846	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4699	4.829	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9485	9.621	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9526	9.579	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9327	9.526	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9397	9.556	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9434	9.572	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9429	9.577	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.431	14.44	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.412	14.31	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.429	14.33	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.409	14.31	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.406	14.31	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.439	14.39	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.885	18.90	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.864	19.05	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.941	19.11	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.863	19.07	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.816	18.99	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.942	19.18	PASS

Band4	1.4MHz	QPSK	19957	6RB#0	1.0840	1.242	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0774	1.252	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0837	1.241	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0800	1.241	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0773	1.231	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0793	1.243	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6740	2.853	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6812	2.873	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6764	2.851	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6713	2.849	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6767	2.865	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6770	2.870	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4832	4.864	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4678	4.858	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4776	4.838	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4658	4.793	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4746	5.072	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4754	4.846	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9509	9.599	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9475	9.663	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9396	9.733	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9498	9.527	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9424	9.723	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9483	9.604	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.380	14.38	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.388	14.39	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.439	14.45	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.422	14.41	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.384	14.31	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.424	14.37	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.886	18.89	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.850	19.01	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.876	19.01	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.884	19.03	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.849	19.06	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.888	19.09	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1.0771	1.259	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0824	1.251	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0760	1.231	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0801	1.271	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0817	1.242	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0799	1.255	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6753	2.867	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6826	2.873	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6767	2.849	PASS

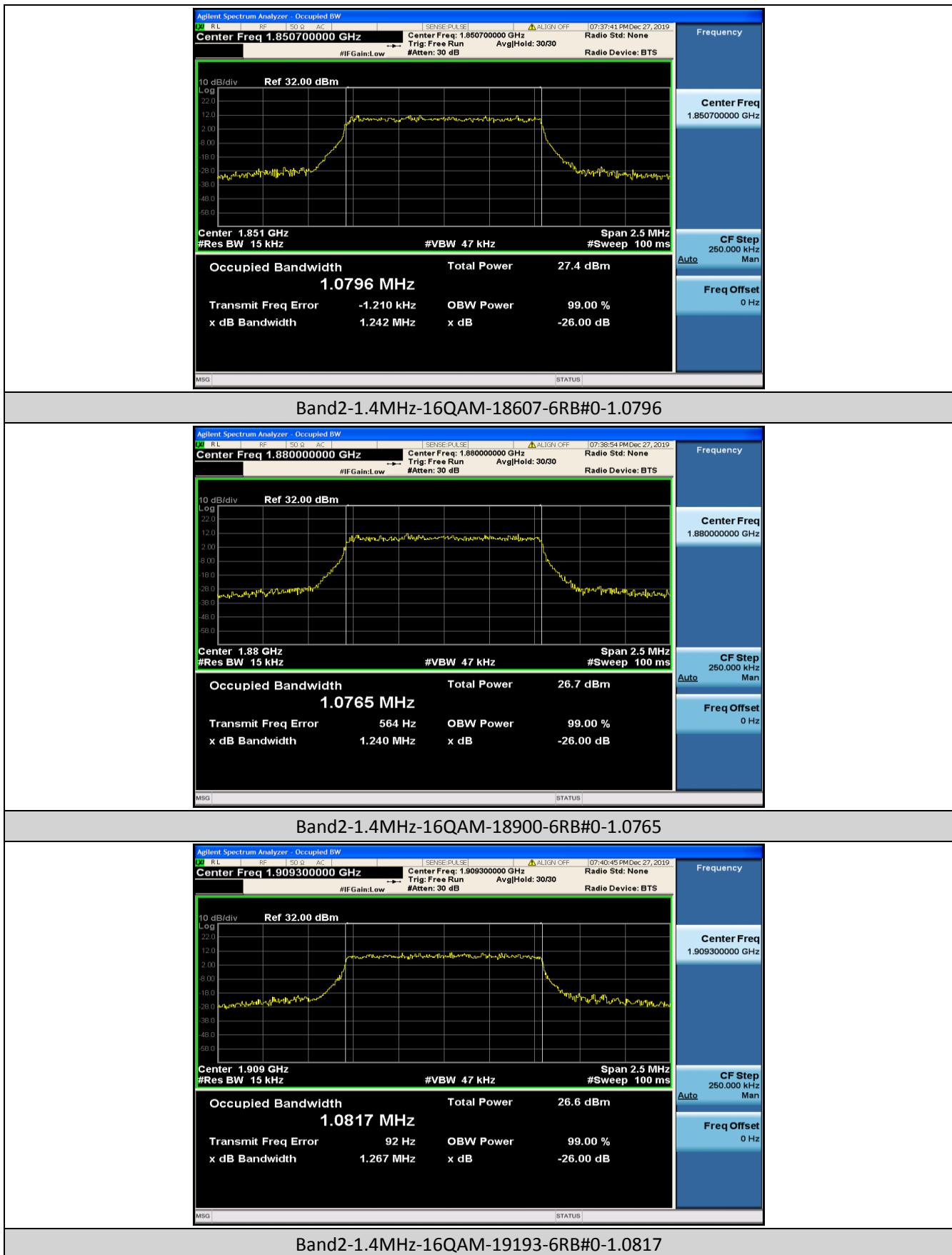
Band5	3MHz	16QAM	20415	15RB#0	2.6735	2.846	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6752	2.854	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6719	2.872	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4788	4.858	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4707	4.836	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4725	4.831	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4663	4.785	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4731	4.867	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4650	4.773	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9485	9.665	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9493	9.601	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9518	9.732	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9310	9.499	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9586	9.582	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9392	9.479	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.4644	4.823	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4773	4.843	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4814	4.852	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4703	4.836	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4774	4.835	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4669	4.795	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9421	9.559	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9427	9.540	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9494	9.683	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9427	9.558	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9457	9.532	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9399	9.498	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.406	14.45	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.401	14.43	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.447	14.43	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.397	14.30	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.406	14.32	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.417	14.34	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.22	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.868	18.99	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.847	18.90	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.846	19.08	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.08	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.889	19.04	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1.0811	1.246	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0820	1.252	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0804	1.248	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0782	1.242	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0799	1.249	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0790	1.248	PASS

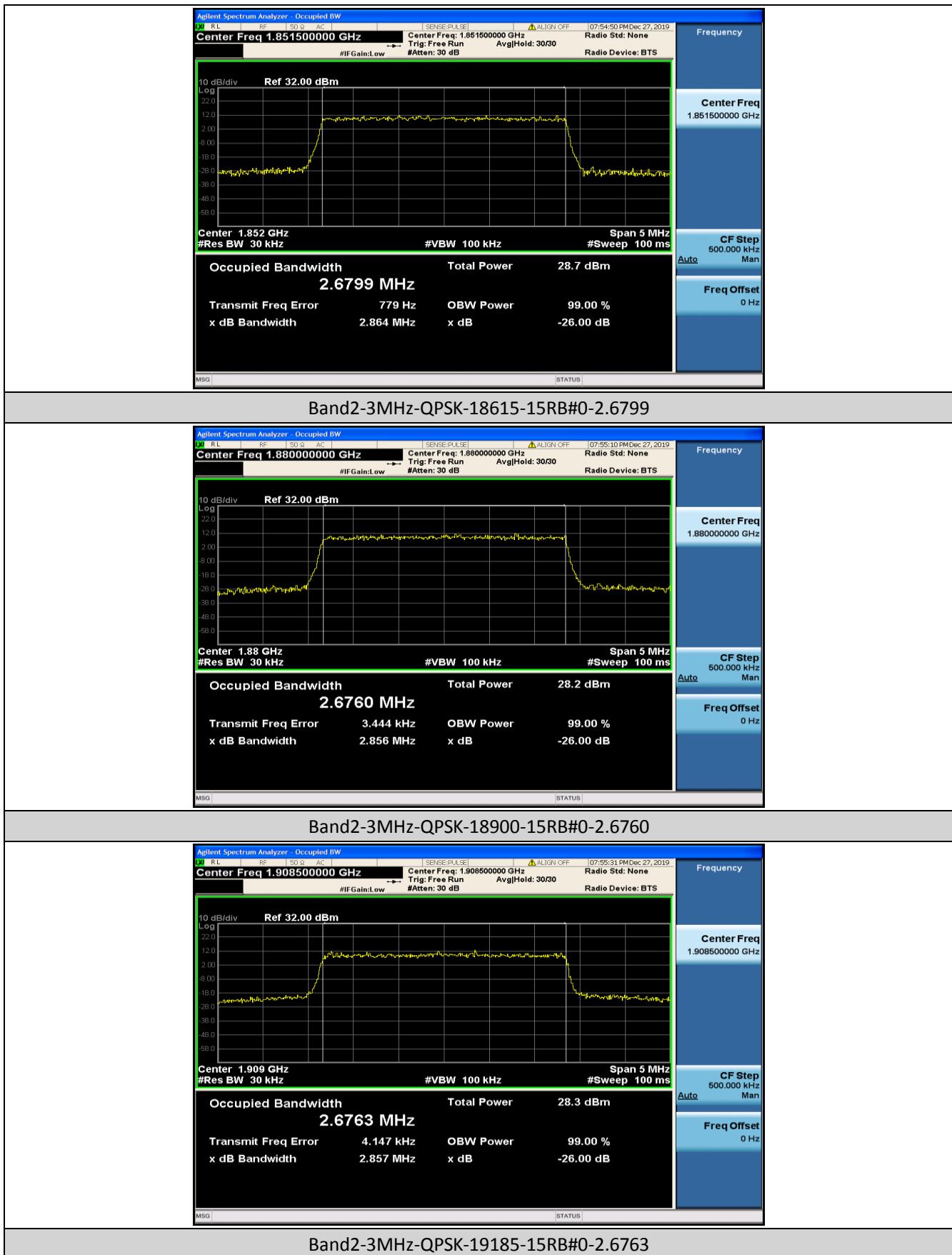
Band12	3MHz	QPSK	23025	15RB#0	2.6785	2.866	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6829	2.864	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6779	2.855	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6731	2.859	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6789	2.866	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6710	2.864	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4676	4.975	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4903	5.030	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4815	5.021	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4805	5.061	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4939	5.104	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4715	4.901	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9401	9.752	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9846	9.897	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9368	9.788	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9548	9.820	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9672	9.728	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9568	9.824	PASS
Band17	5MHz	QPSK	23755	25RB#0	4.4883	5.040	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4928	5.028	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4676	4.982	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4914	5.084	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4815	4.958	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4821	5.051	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9661	9.953	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9490	10.02	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9385	10.03	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9653	9.738	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9592	9.837	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9519	9.782	PASS
Band41	5MHz	QPSK	40265	25RB#0	4.4667	4.846	PASS
Band41	5MHz	QPSK	40740	25RB#0	4.4725	4.821	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.4766	4.797	PASS
Band41	5MHz	16QAM	40265	25RB#0	4.4661	4.842	PASS
Band41	5MHz	16QAM	40740	25RB#0	4.4722	4.813	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.4697	4.962	PASS
Band41	10MHz	QPSK	40290	50RB#0	8.9377	9.602	PASS
Band41	10MHz	QPSK	40740	50RB#0	8.9439	9.647	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.9402	9.599	PASS
Band41	10MHz	16QAM	40290	50RB#0	8.9476	9.727	PASS
Band41	10MHz	16QAM	40740	50RB#0	8.9329	9.429	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.9475	9.444	PASS
Band41	15MHz	QPSK	40315	75RB#0	13.408	14.74	PASS
Band41	15MHz	QPSK	40740	75RB#0	13.410	14.47	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.410	14.49	PASS

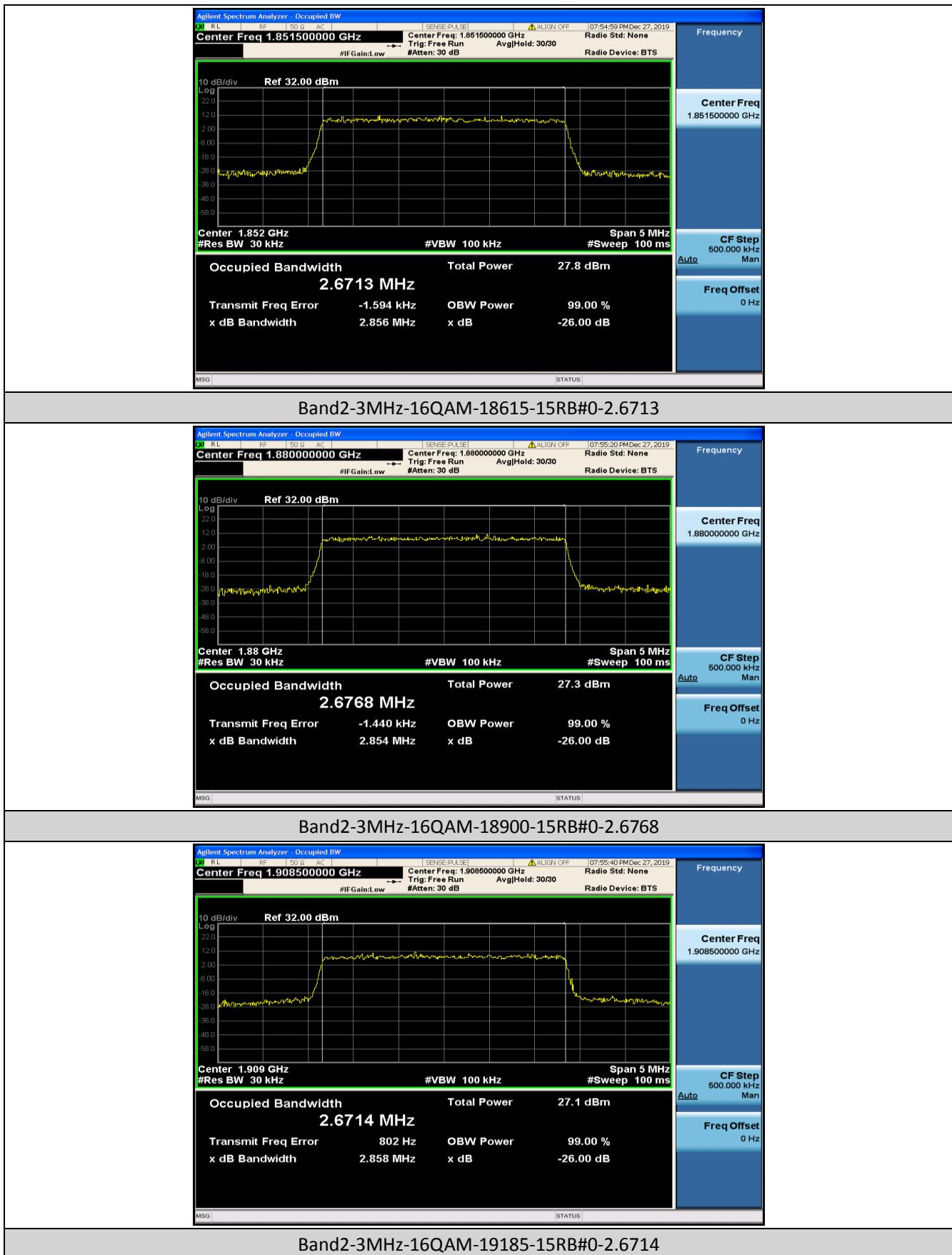
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Band41	15MHz	16QAM	40740	75RB#0	13.414	14.90	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.409	14.80	PASS
Band41	20MHz	QPSK	40340	100RB#0	17.867	19.15	PASS
Band41	20MHz	QPSK	40740	100RB#0	17.871	18.91	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.837	18.98	PASS
Band41	20MHz	16QAM	40340	100RB#0	17.849	19.04	PASS
Band41	20MHz	16QAM	40740	100RB#0	17.875	19.37	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.877	19.15	PASS

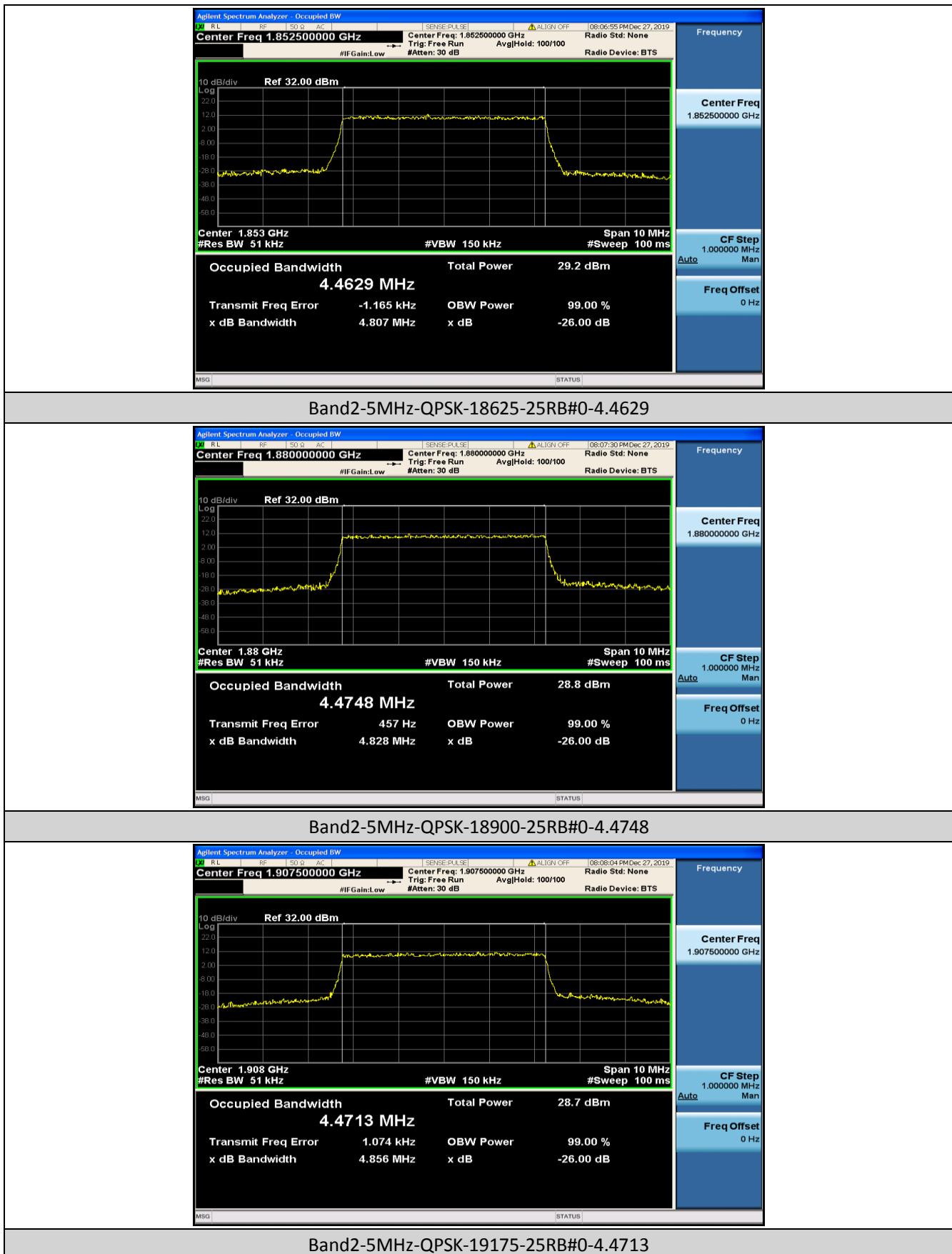
## Test Graphs

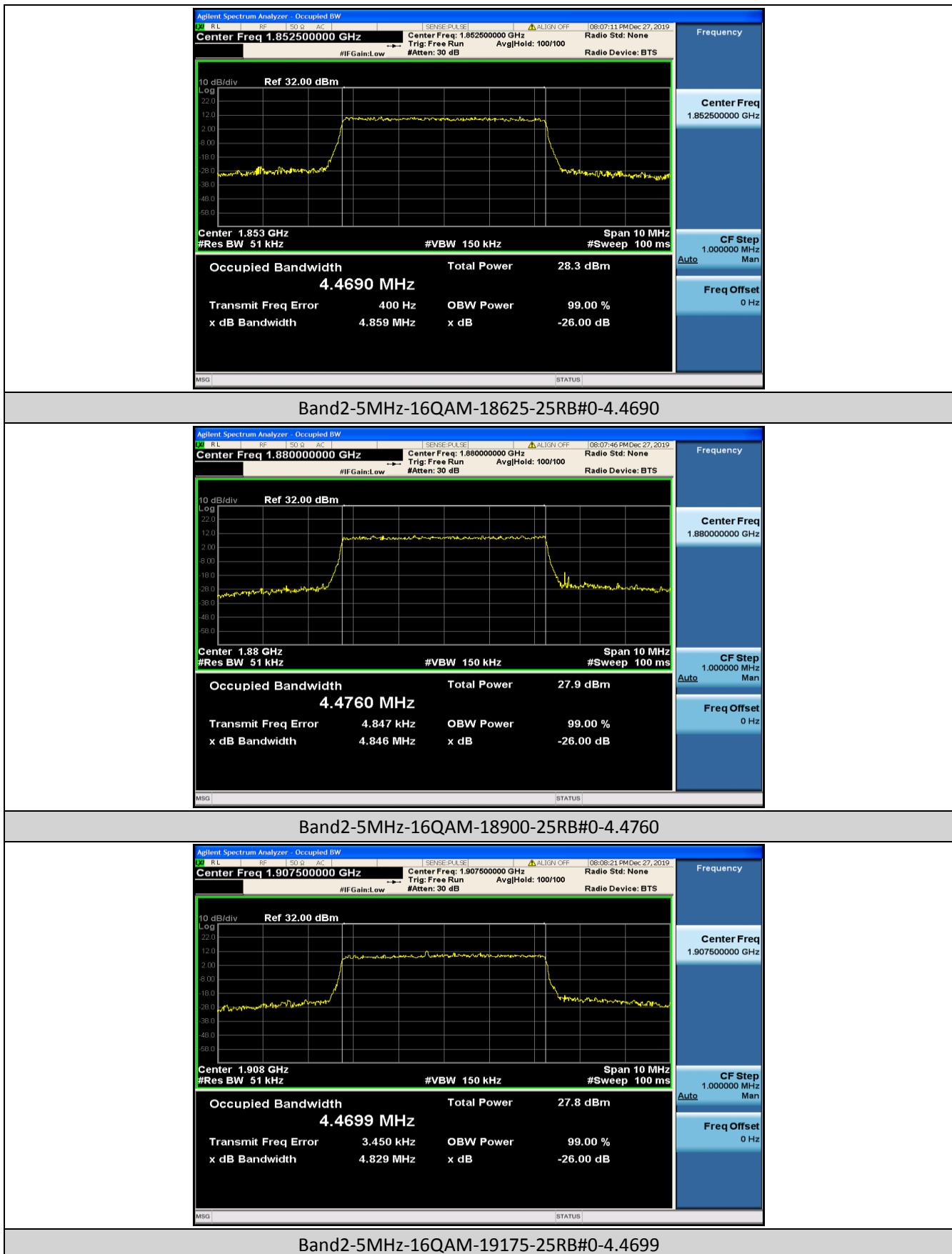






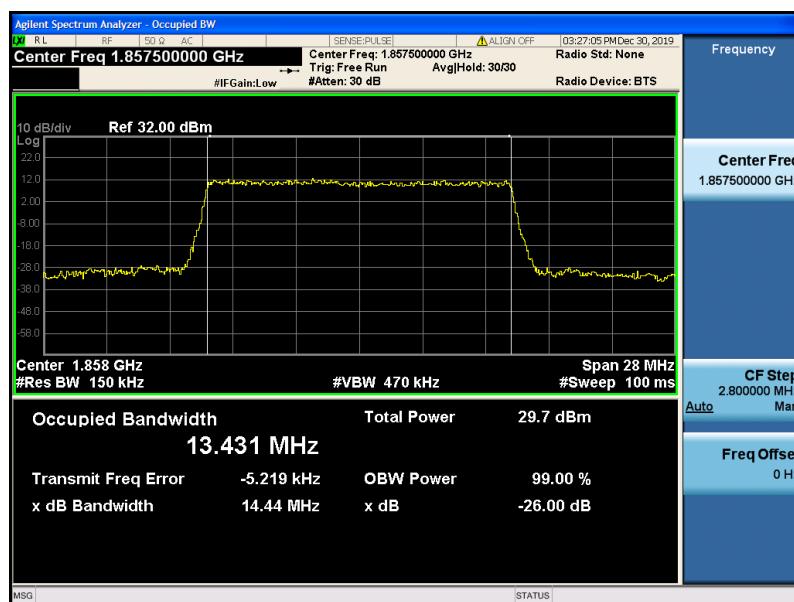
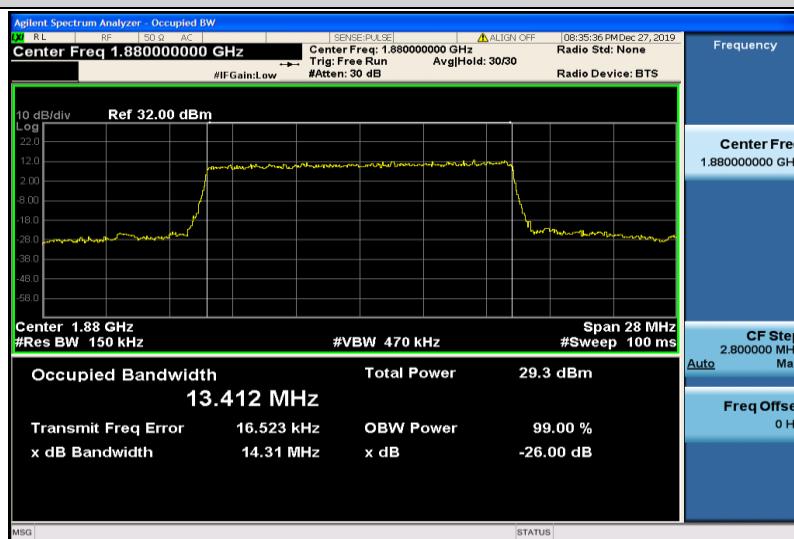
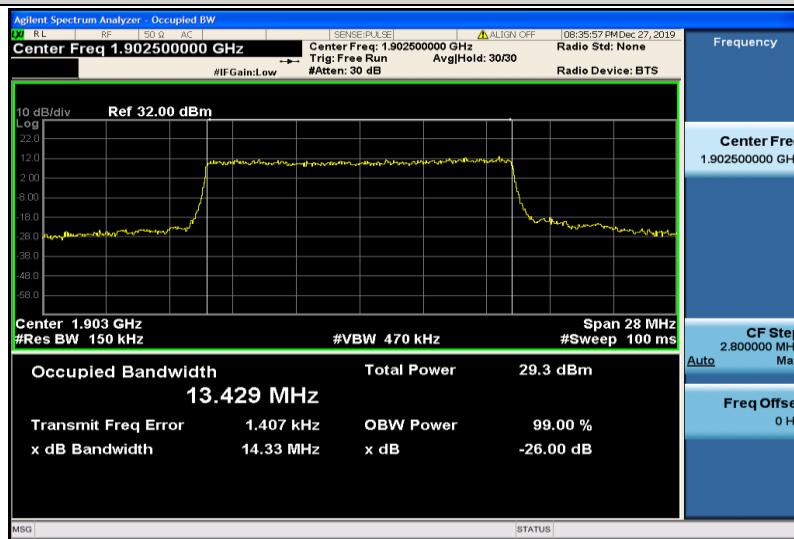




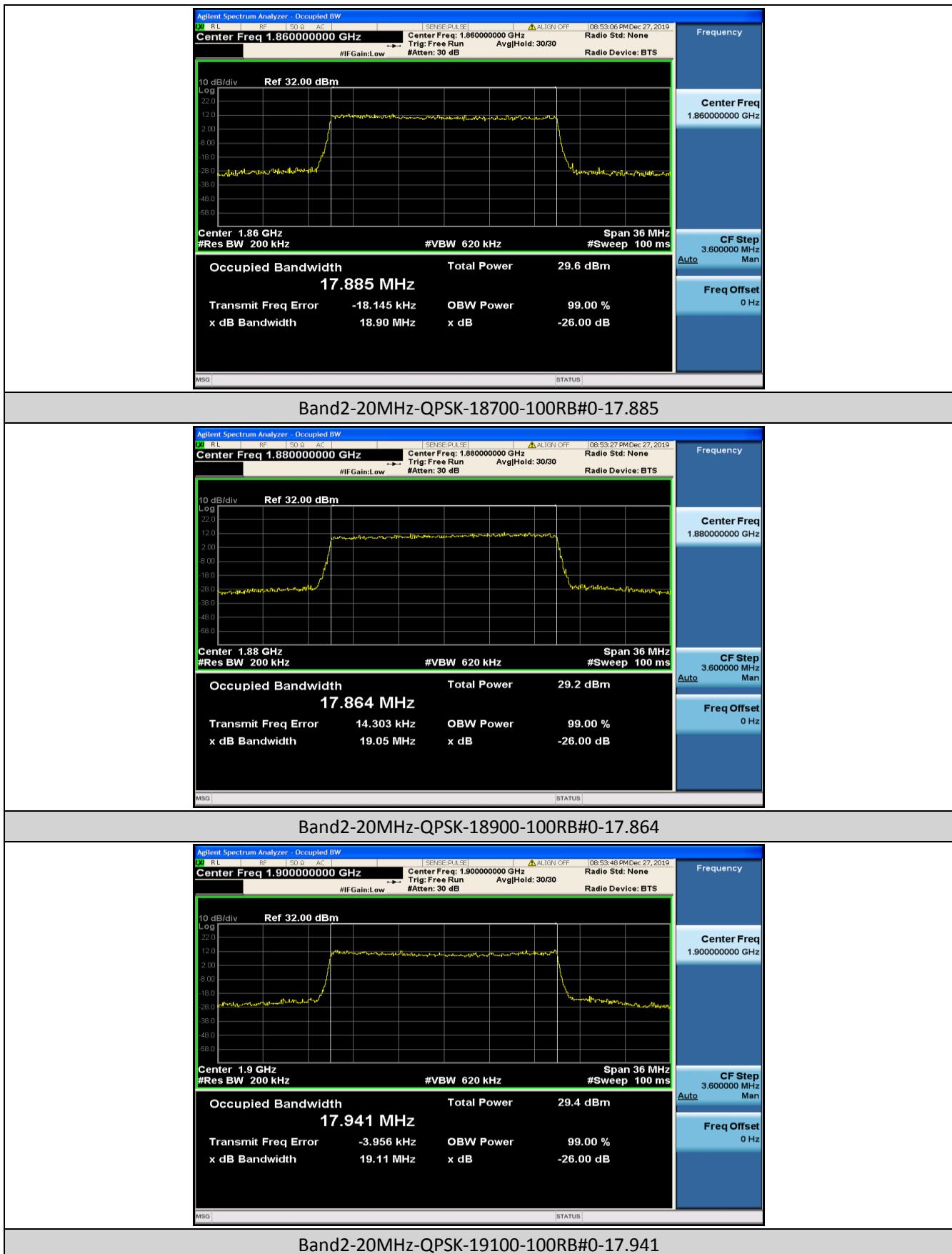


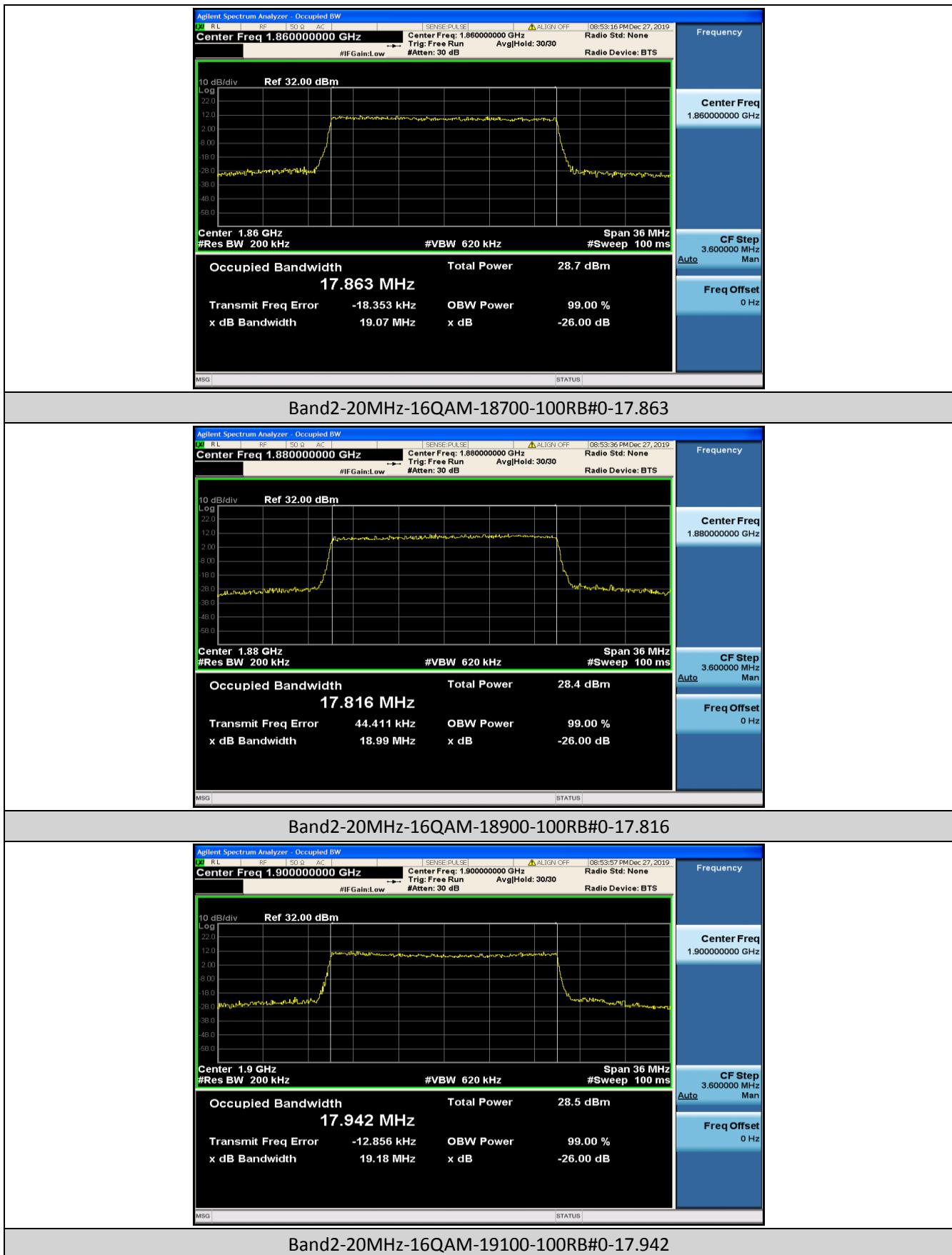


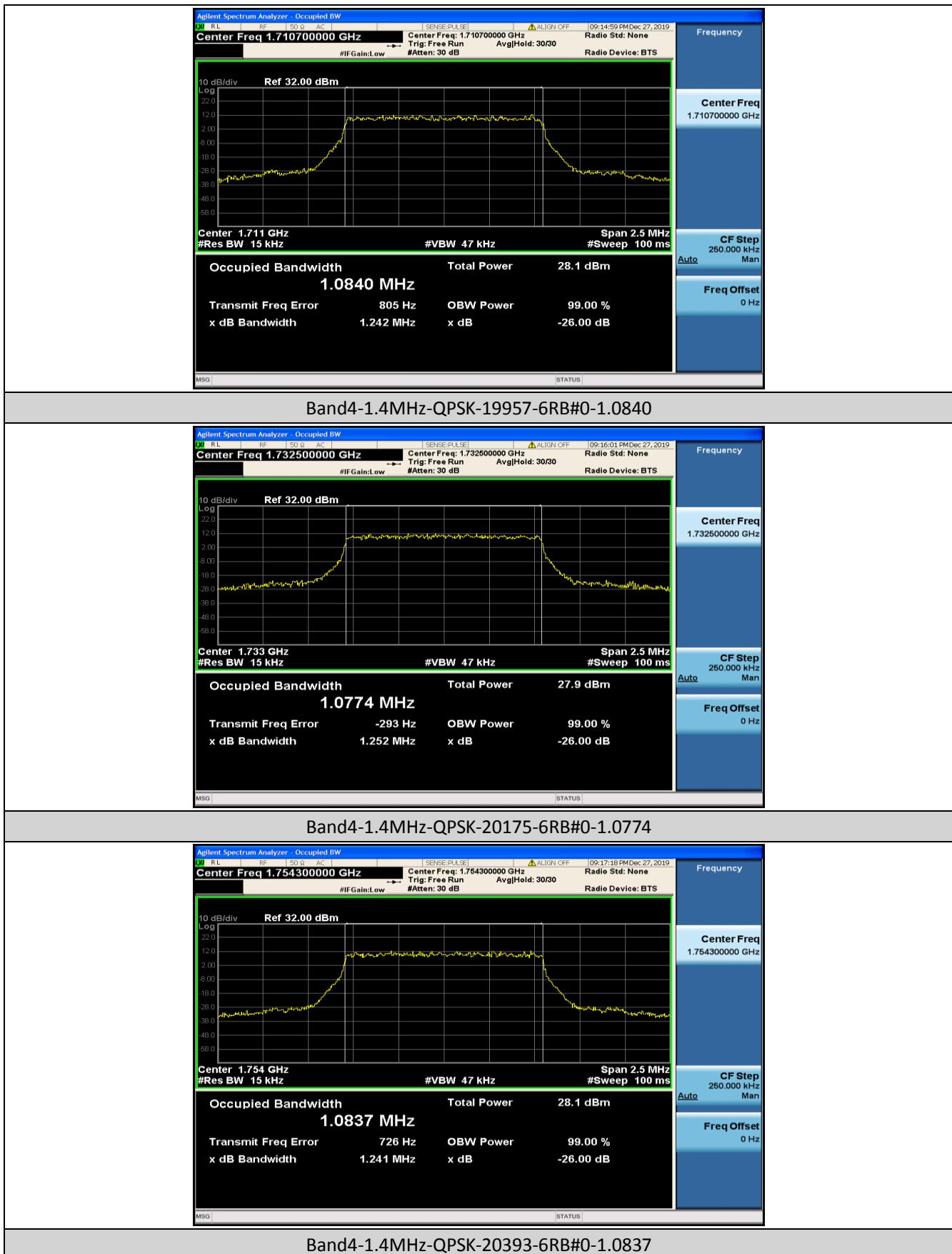


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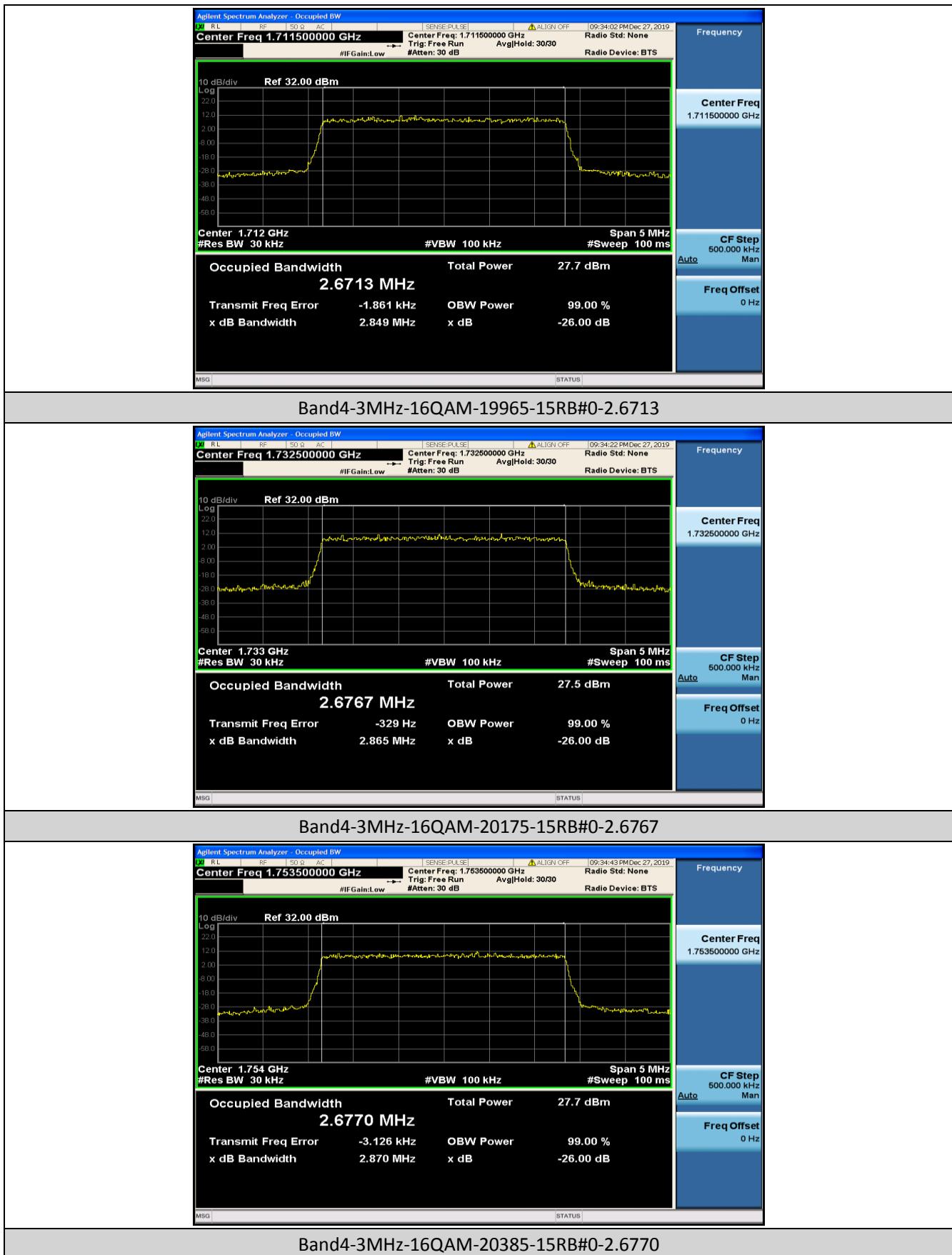


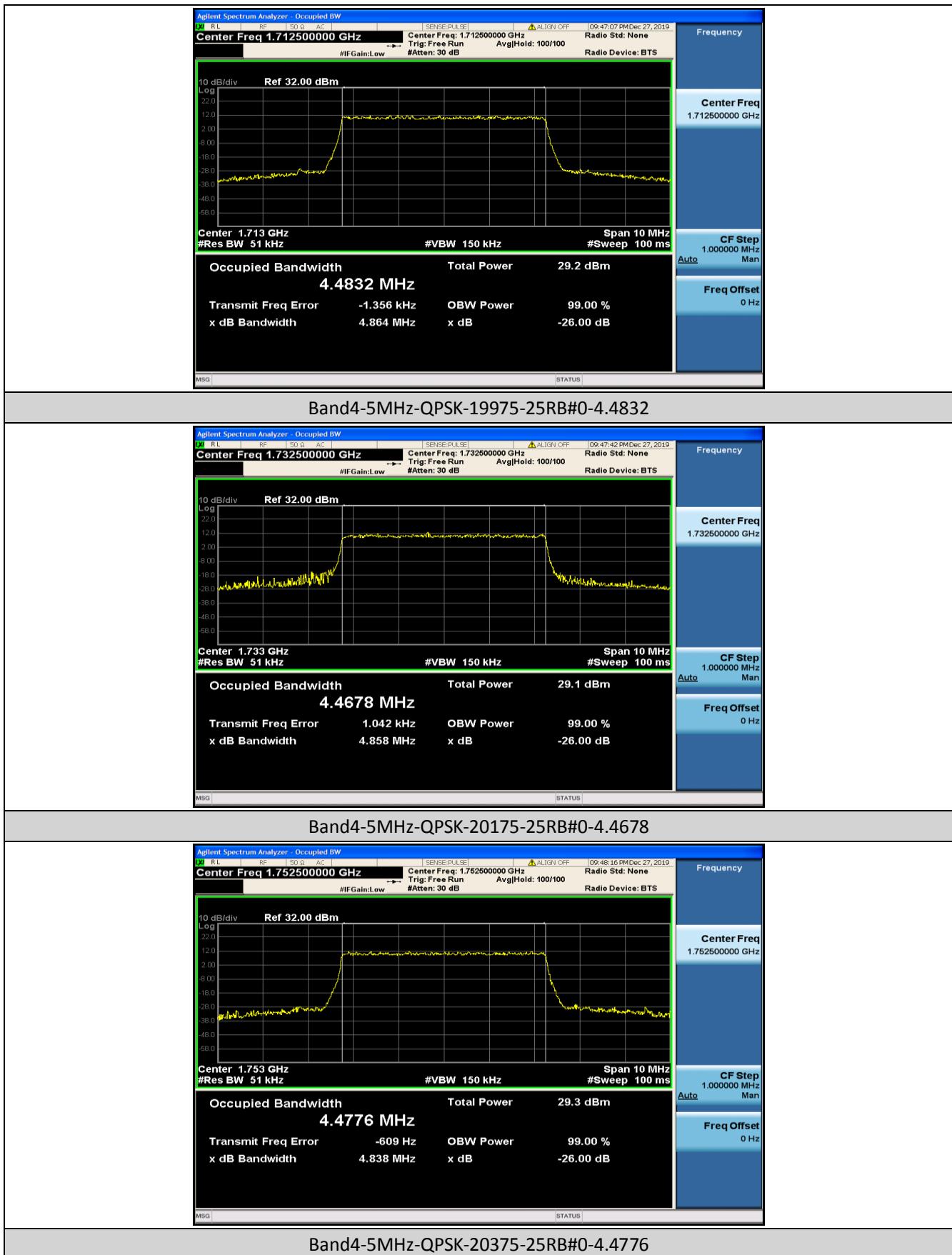


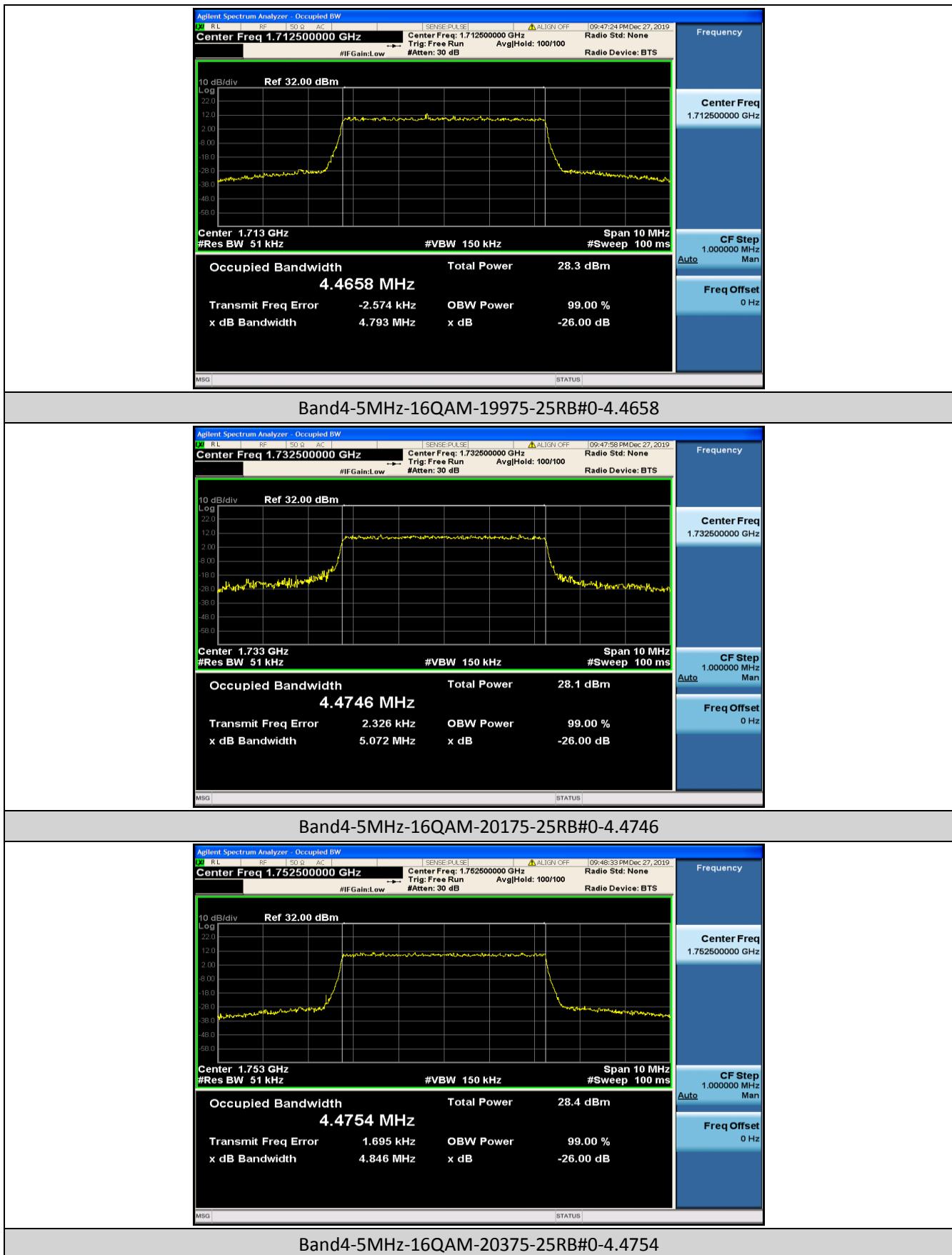


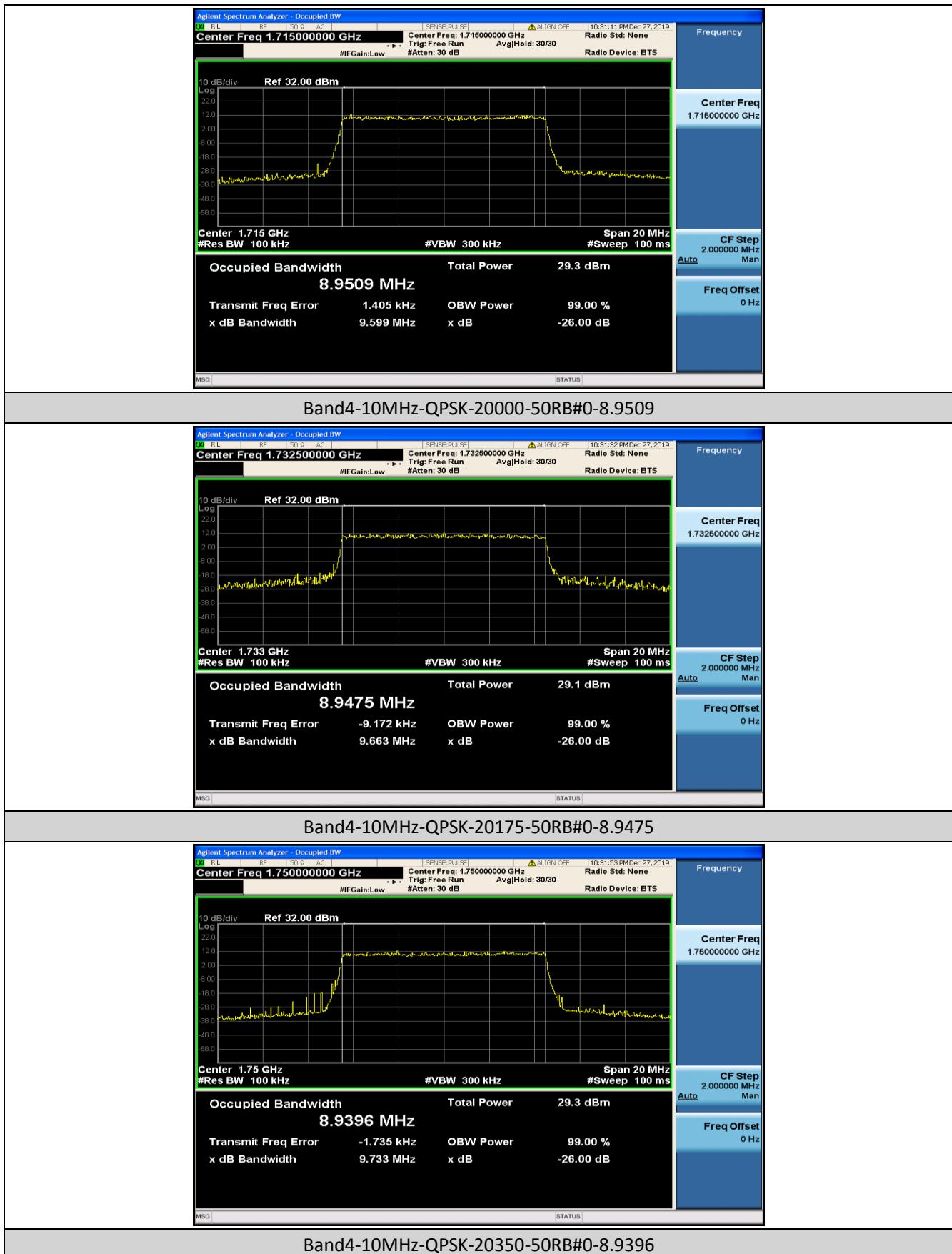




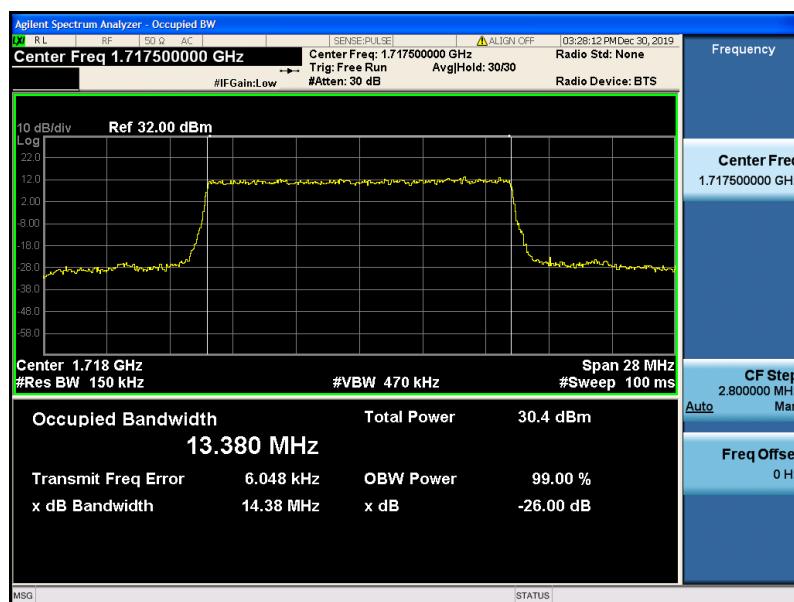
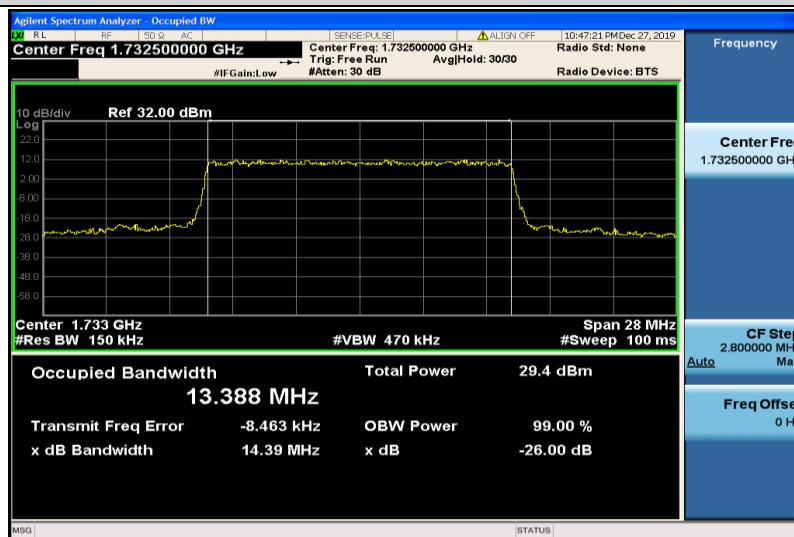
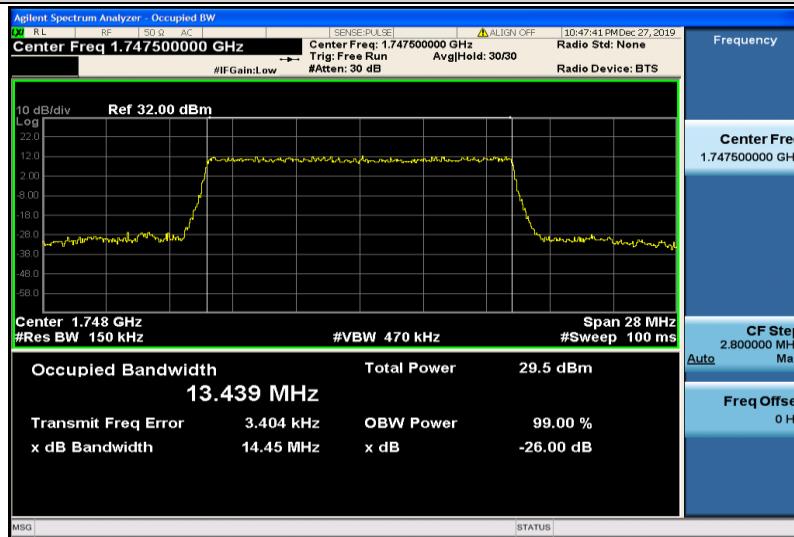










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