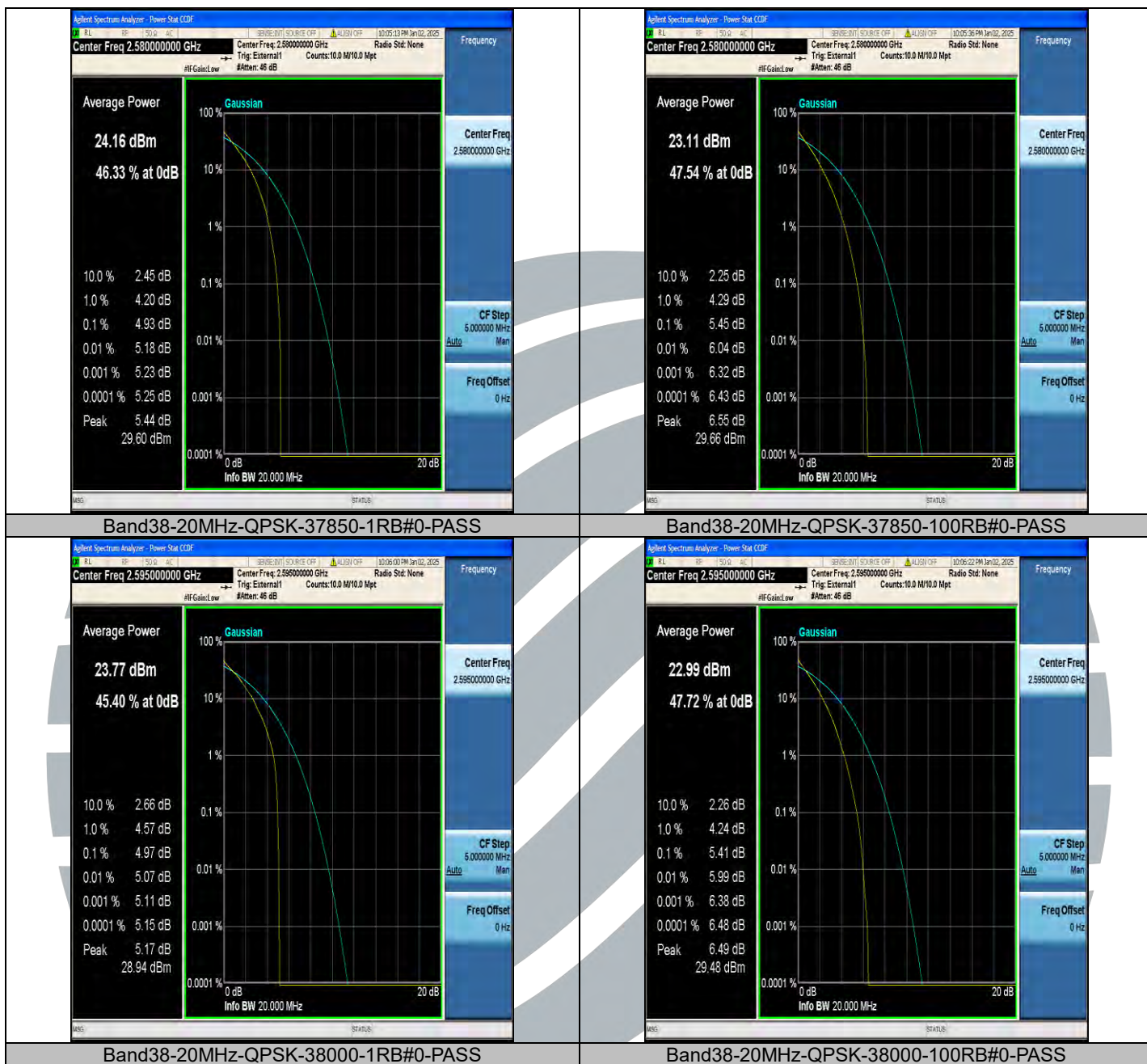
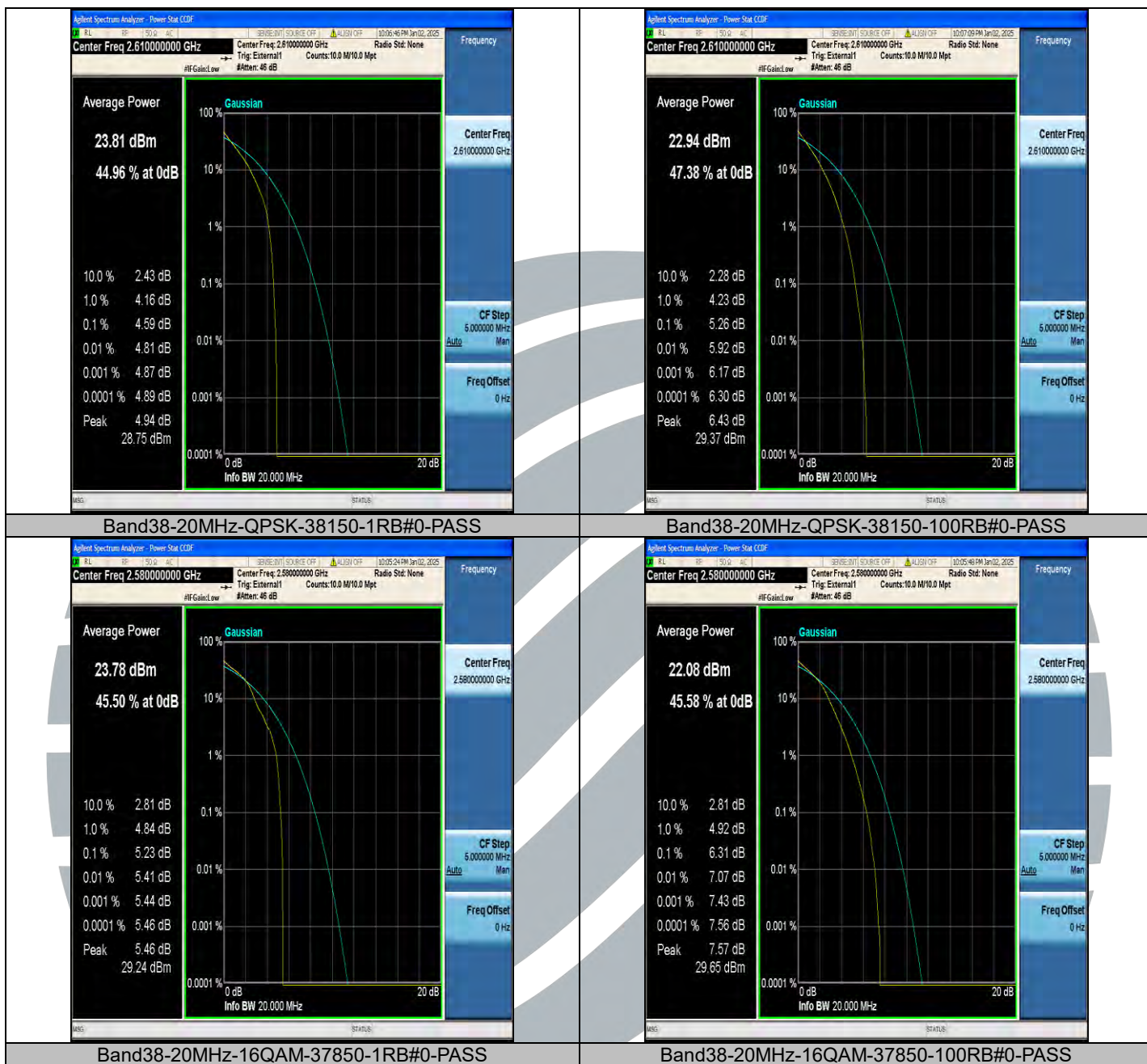
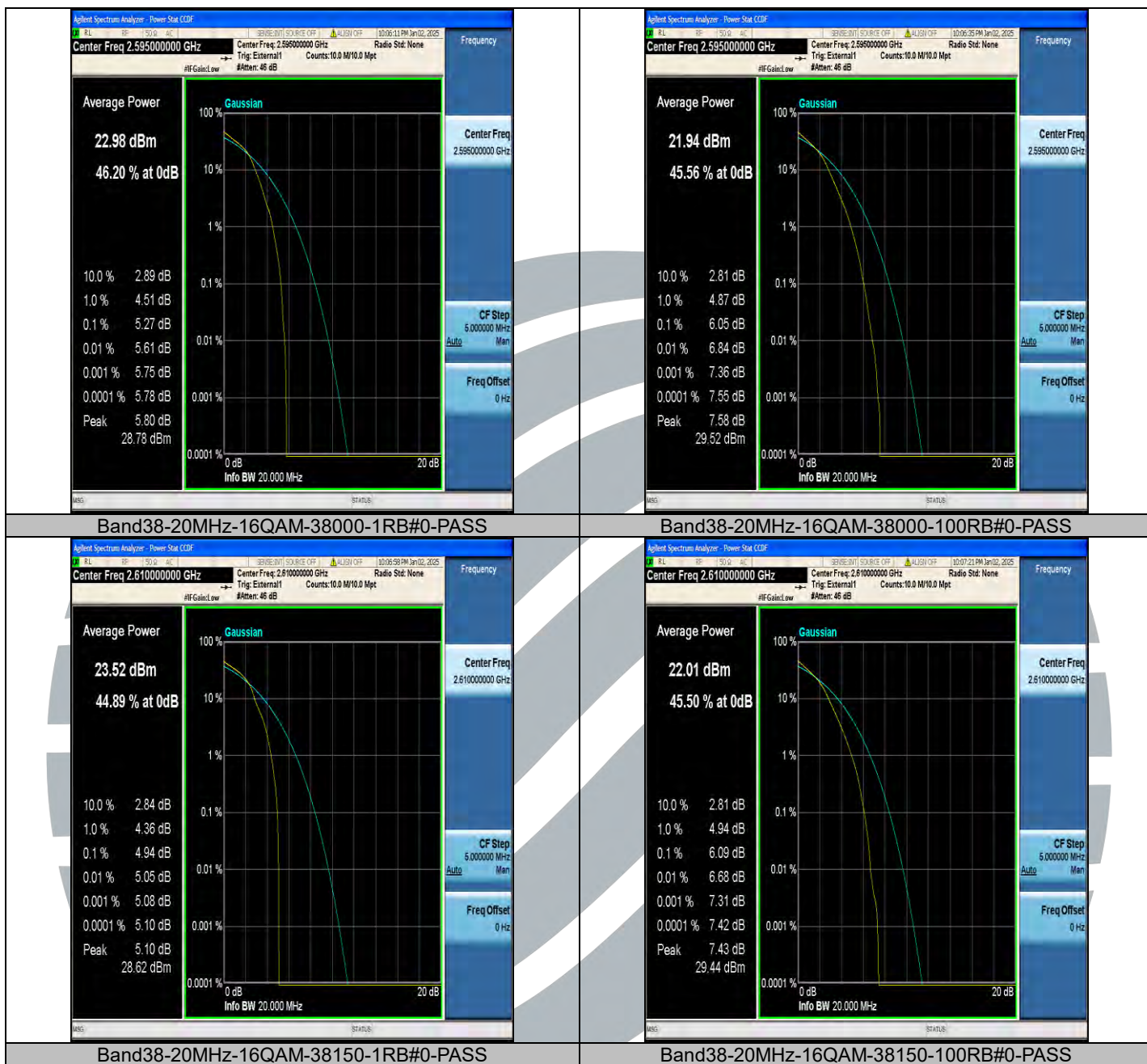
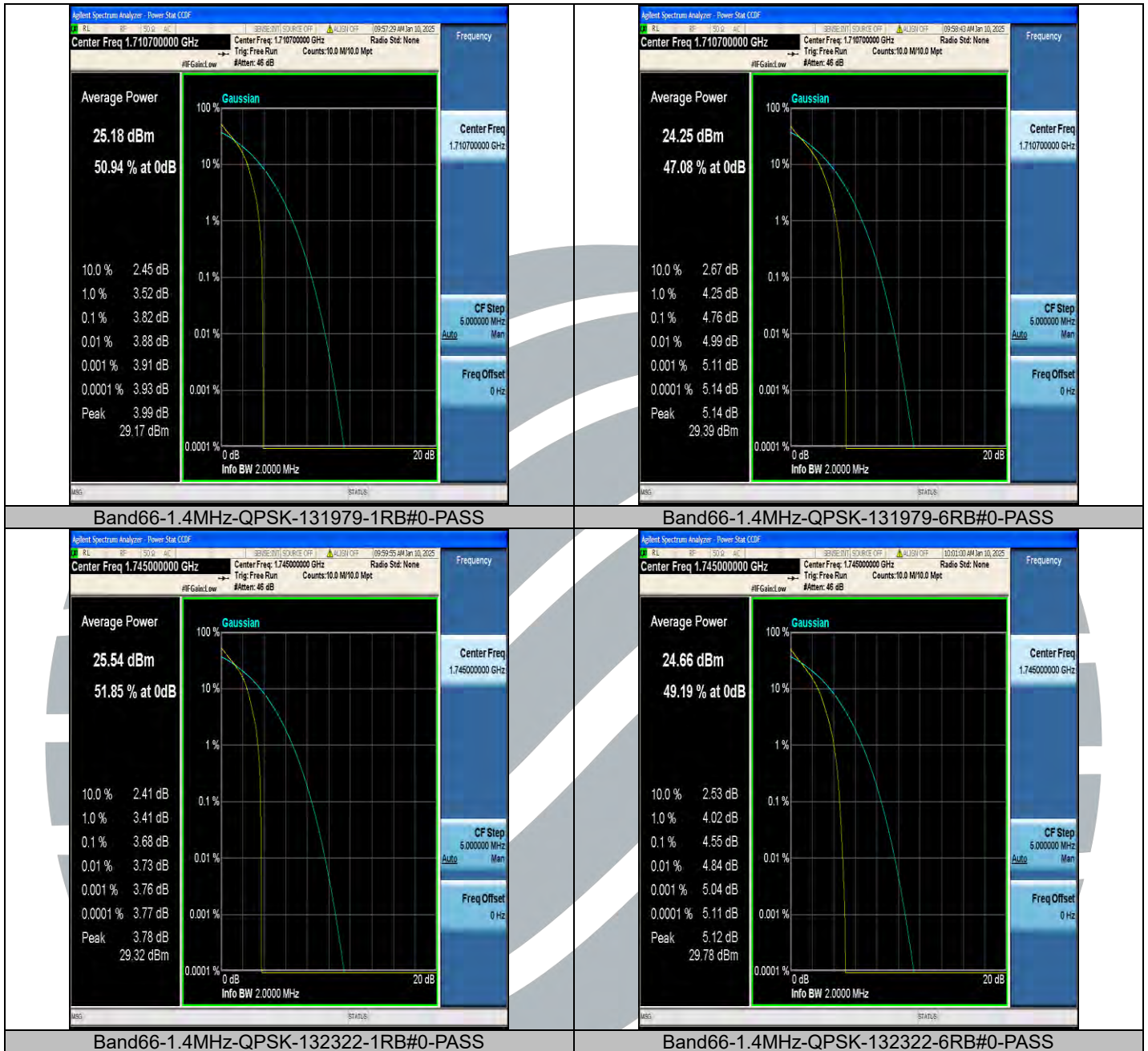
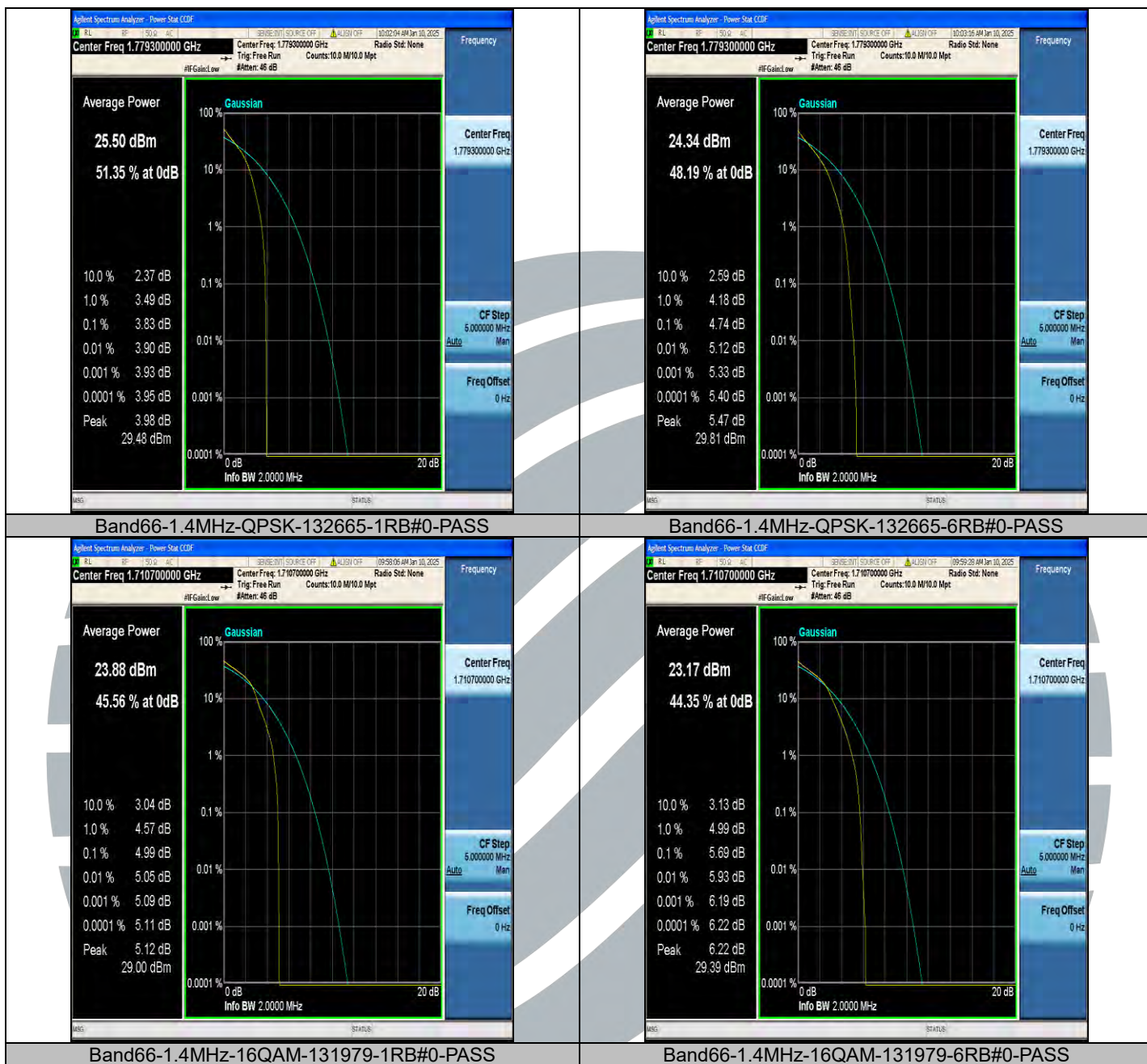


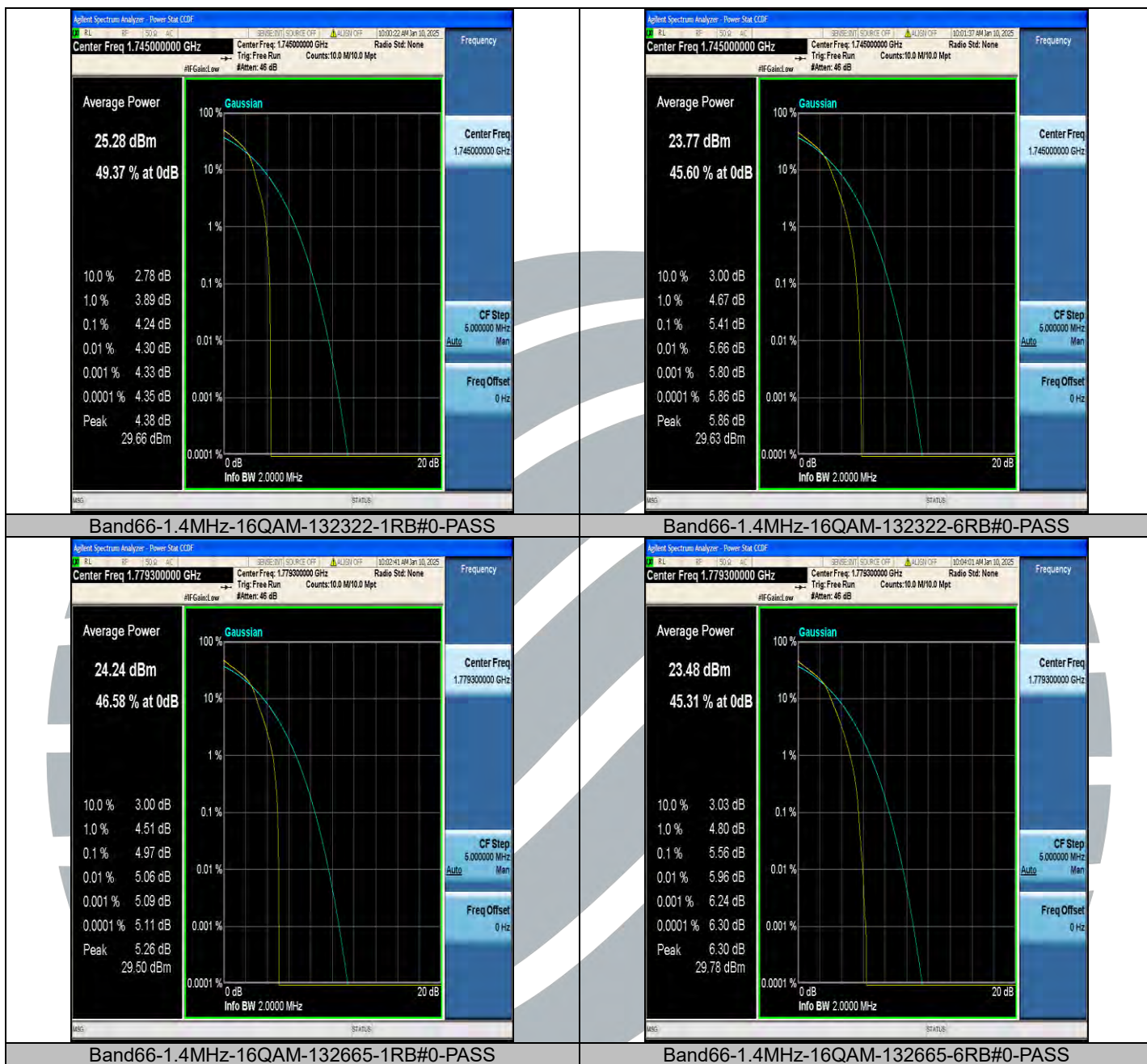


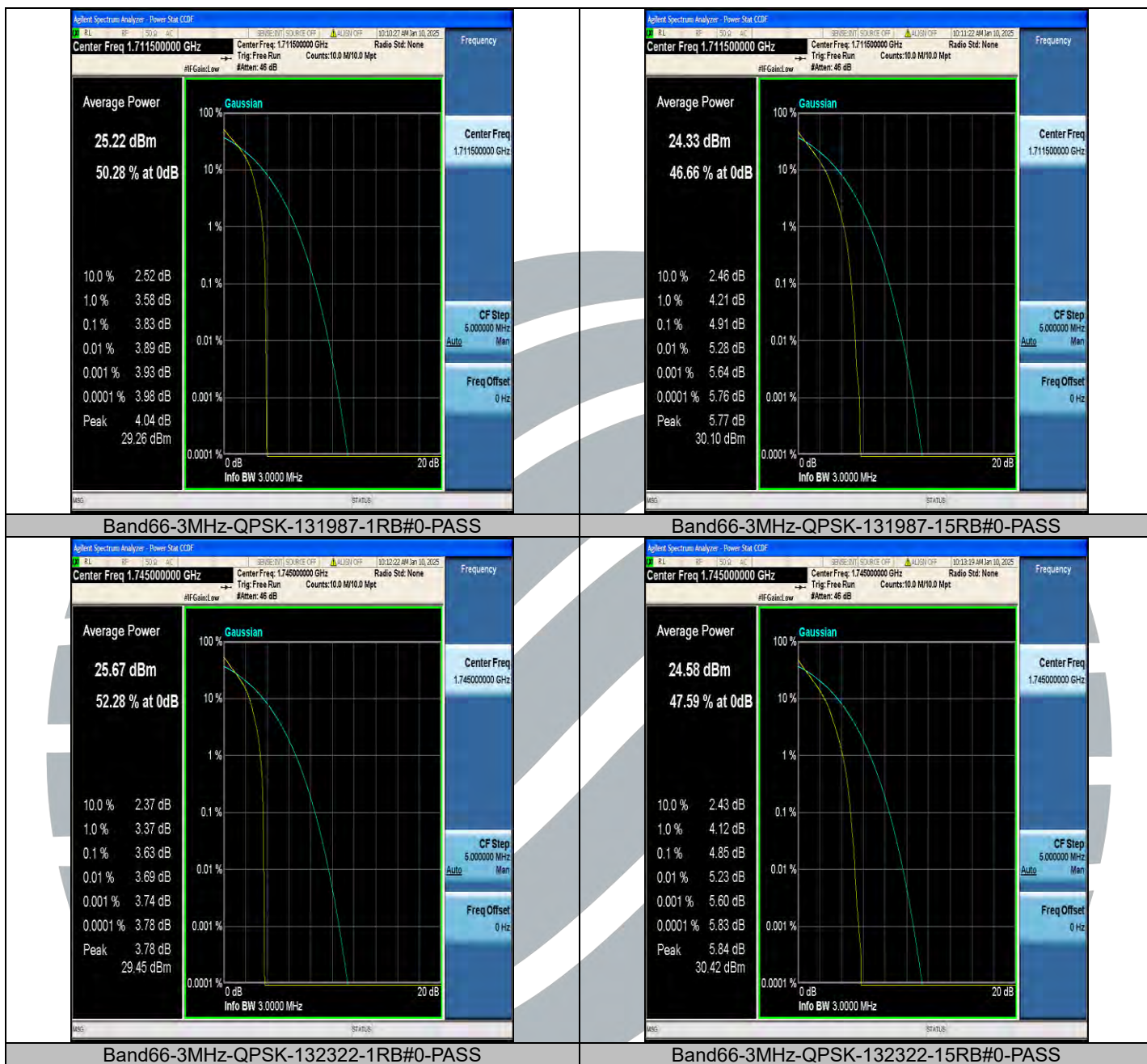


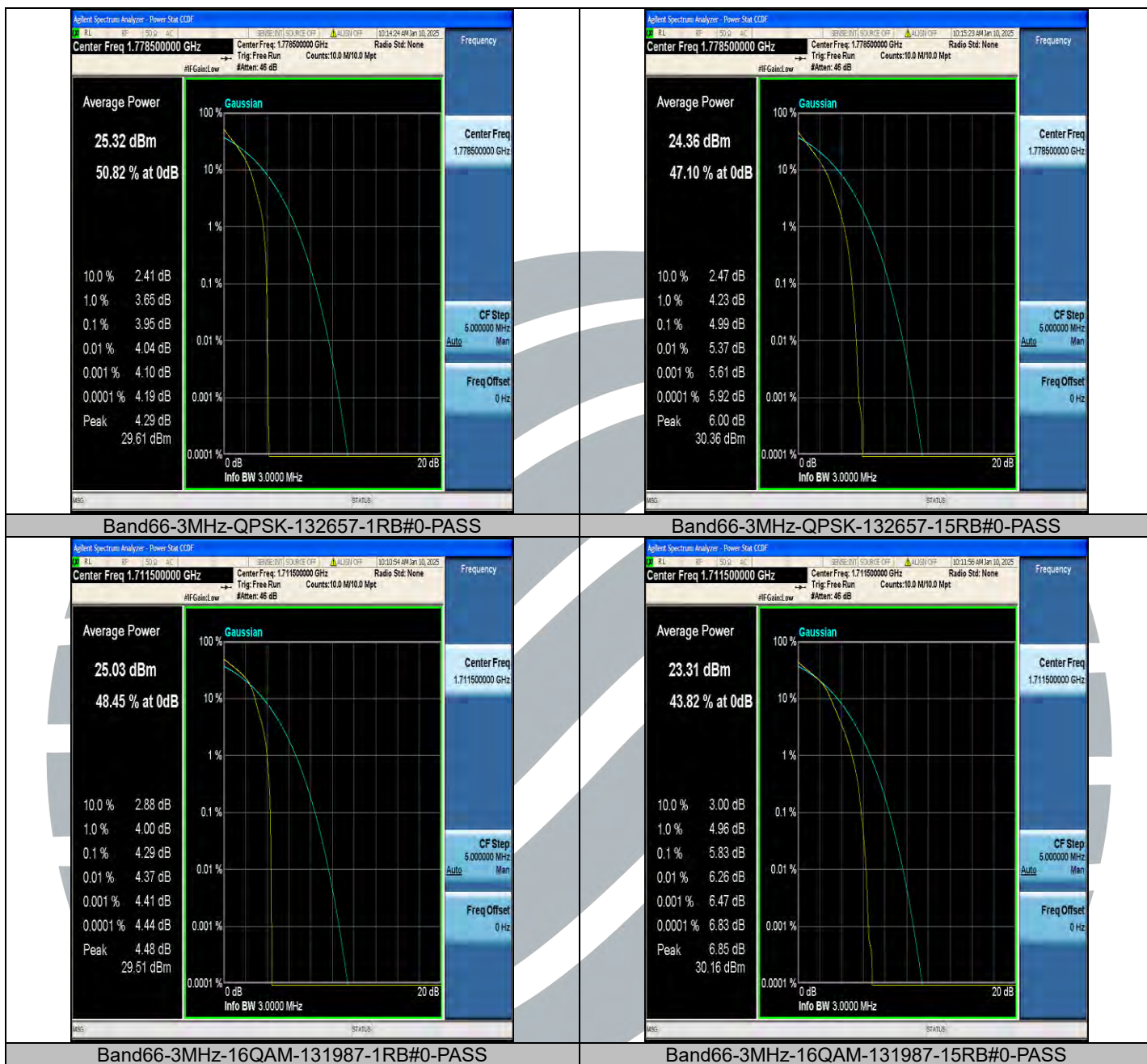


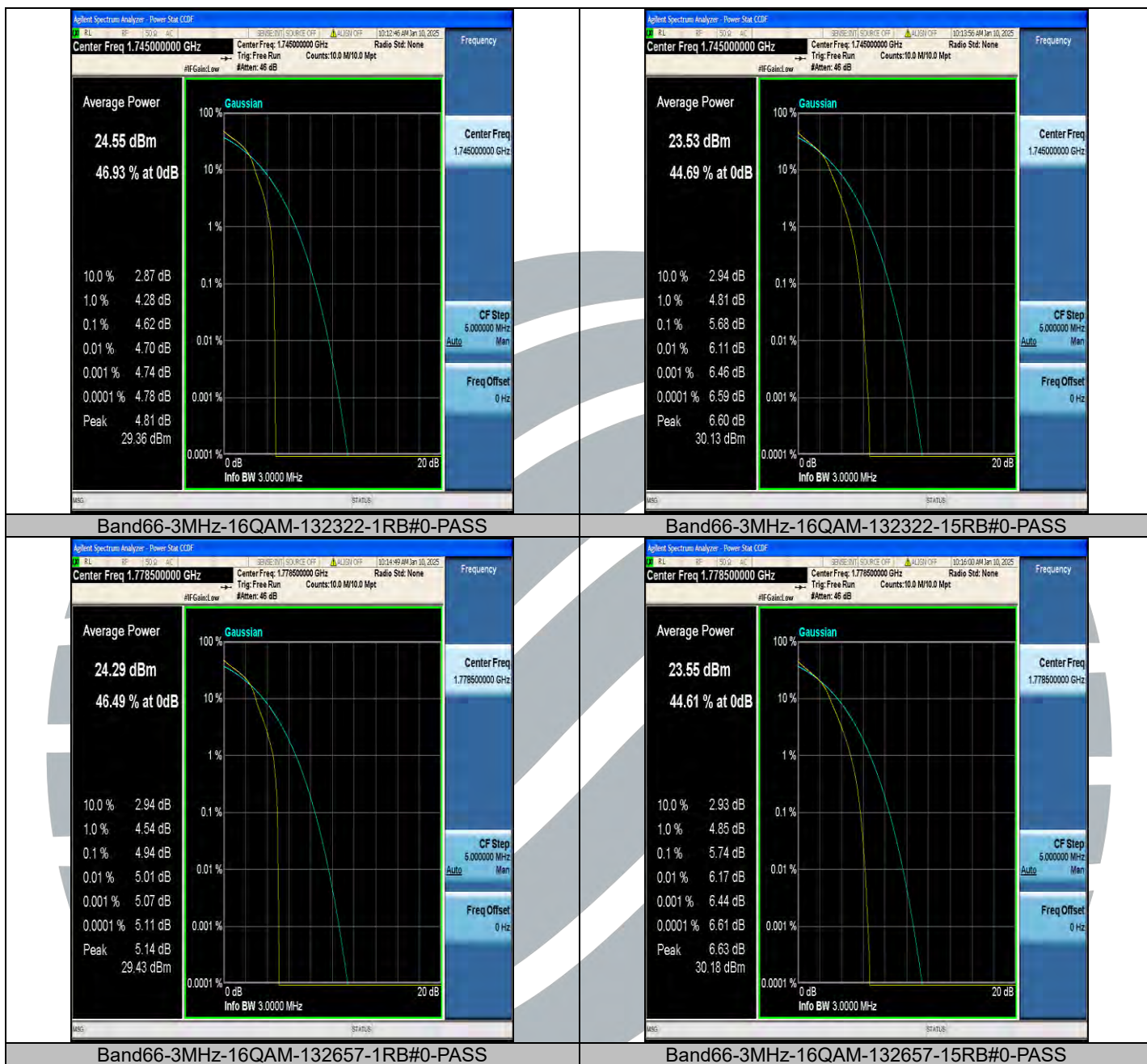


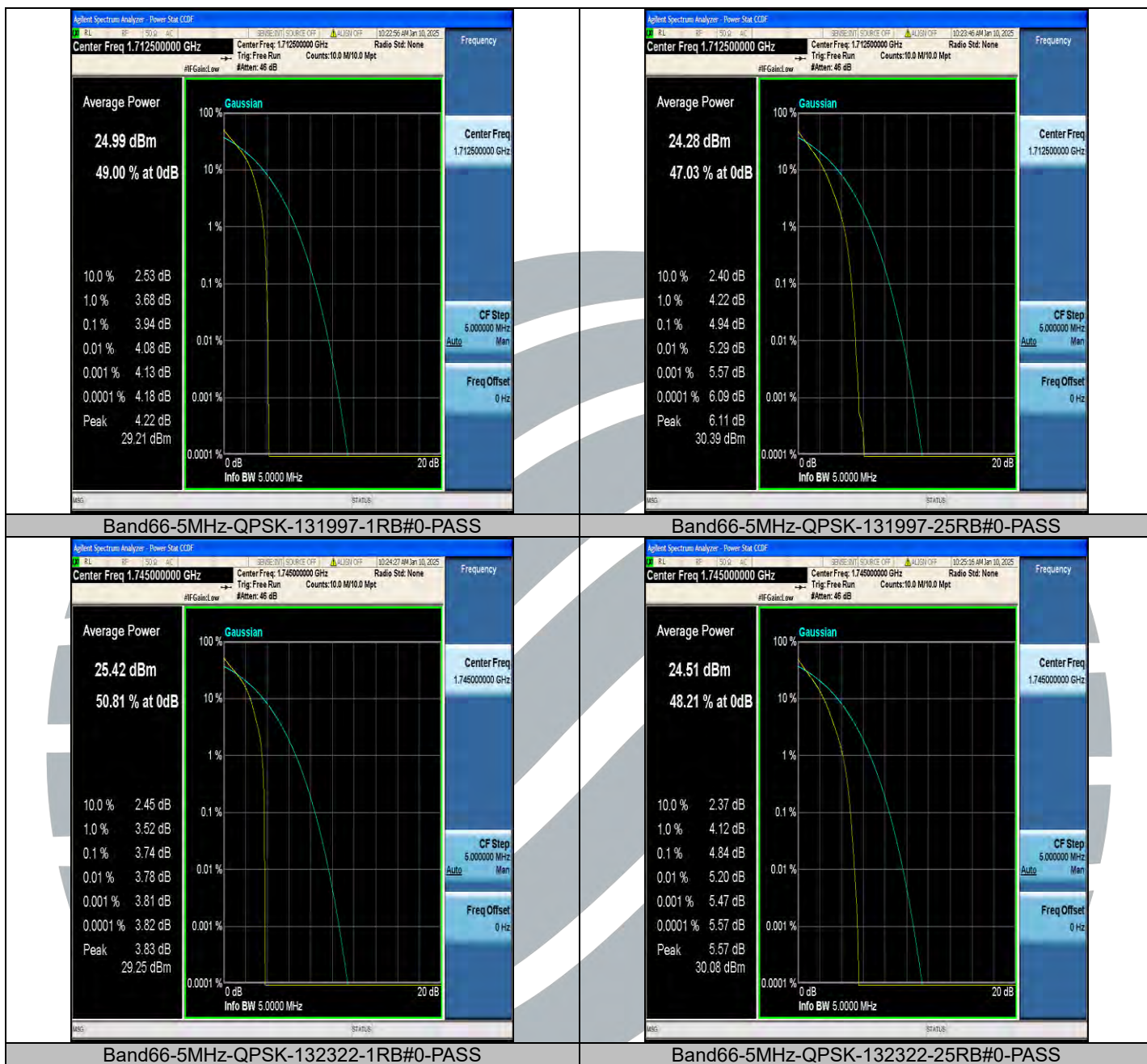


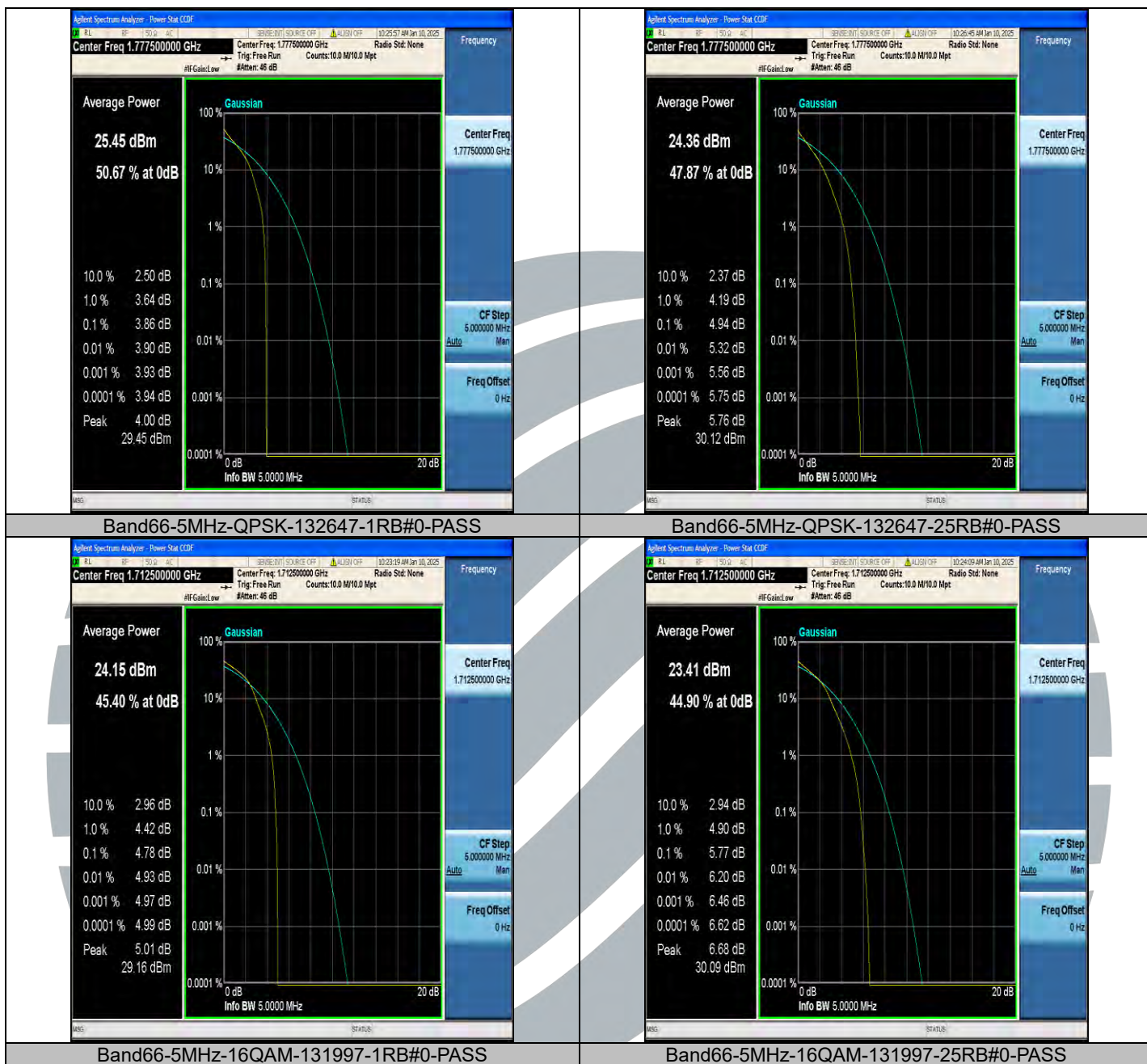


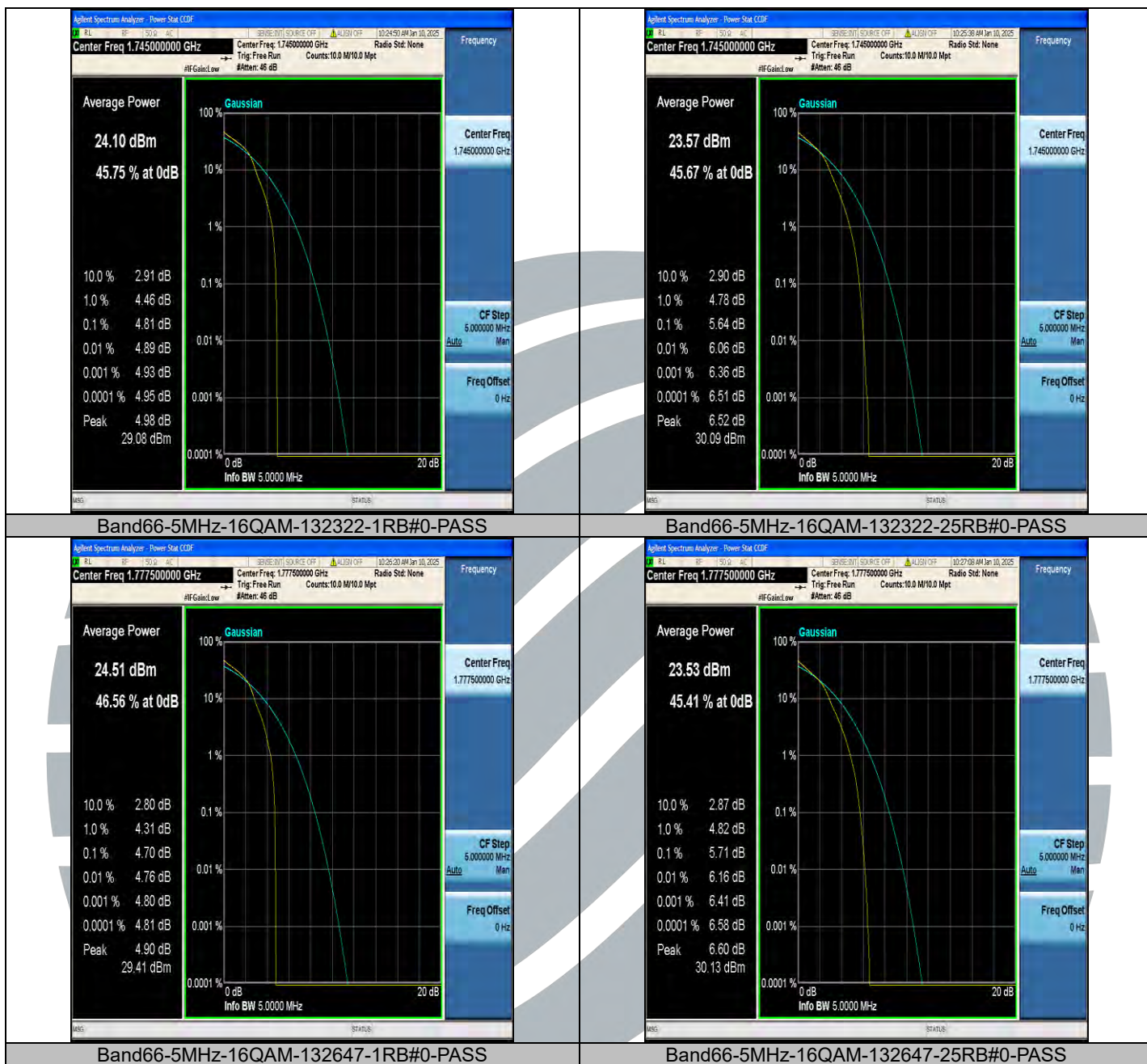


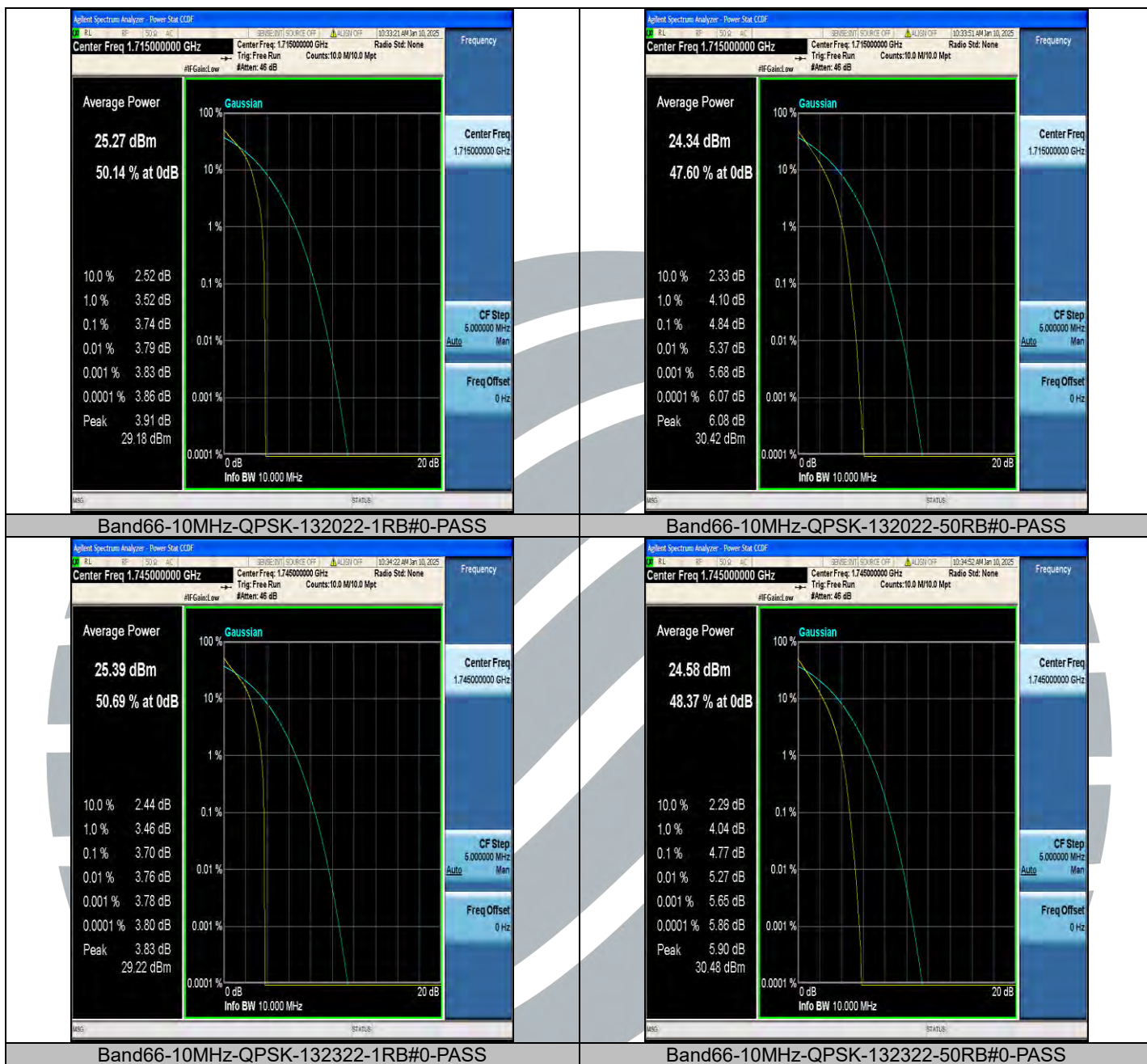


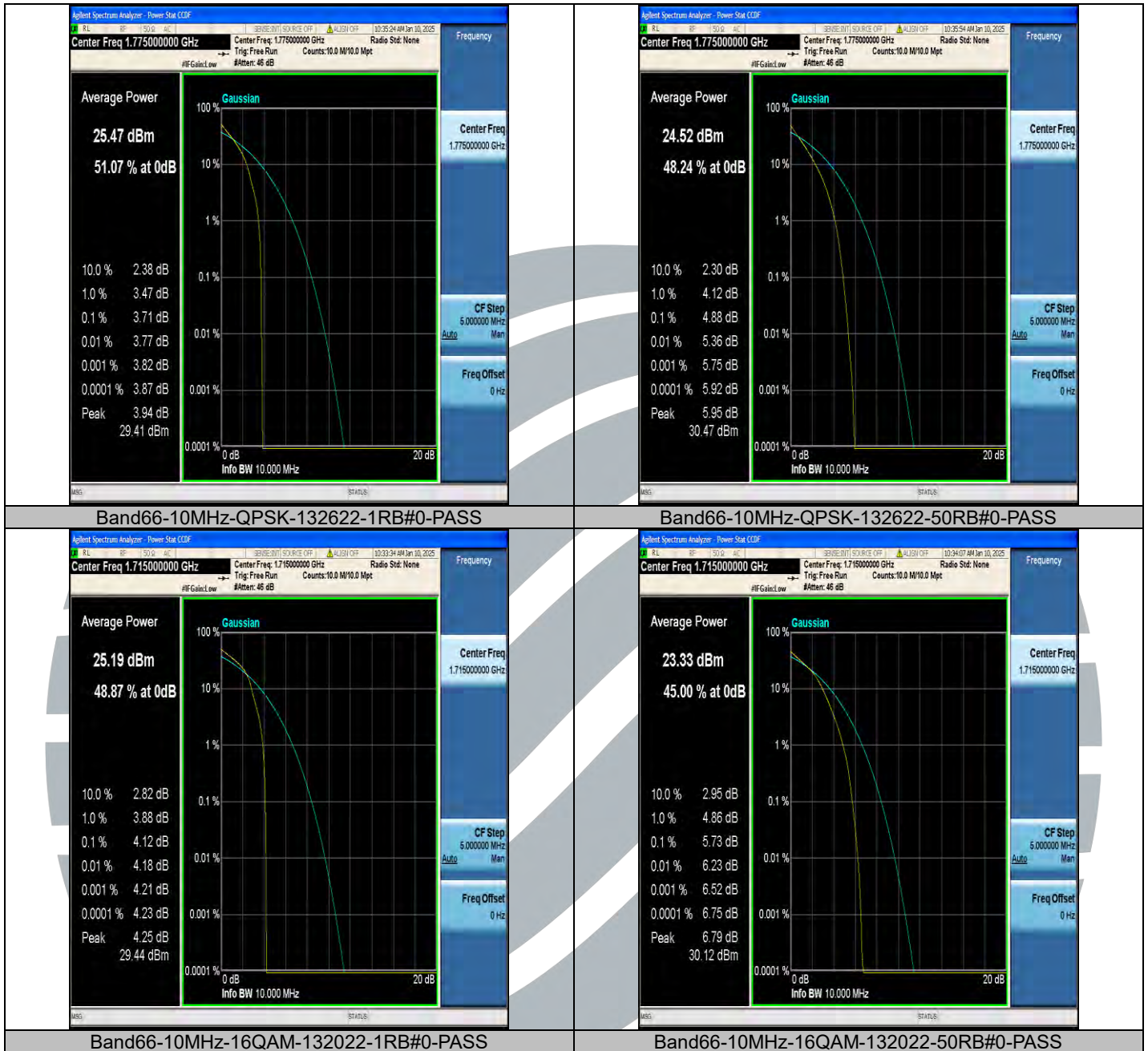


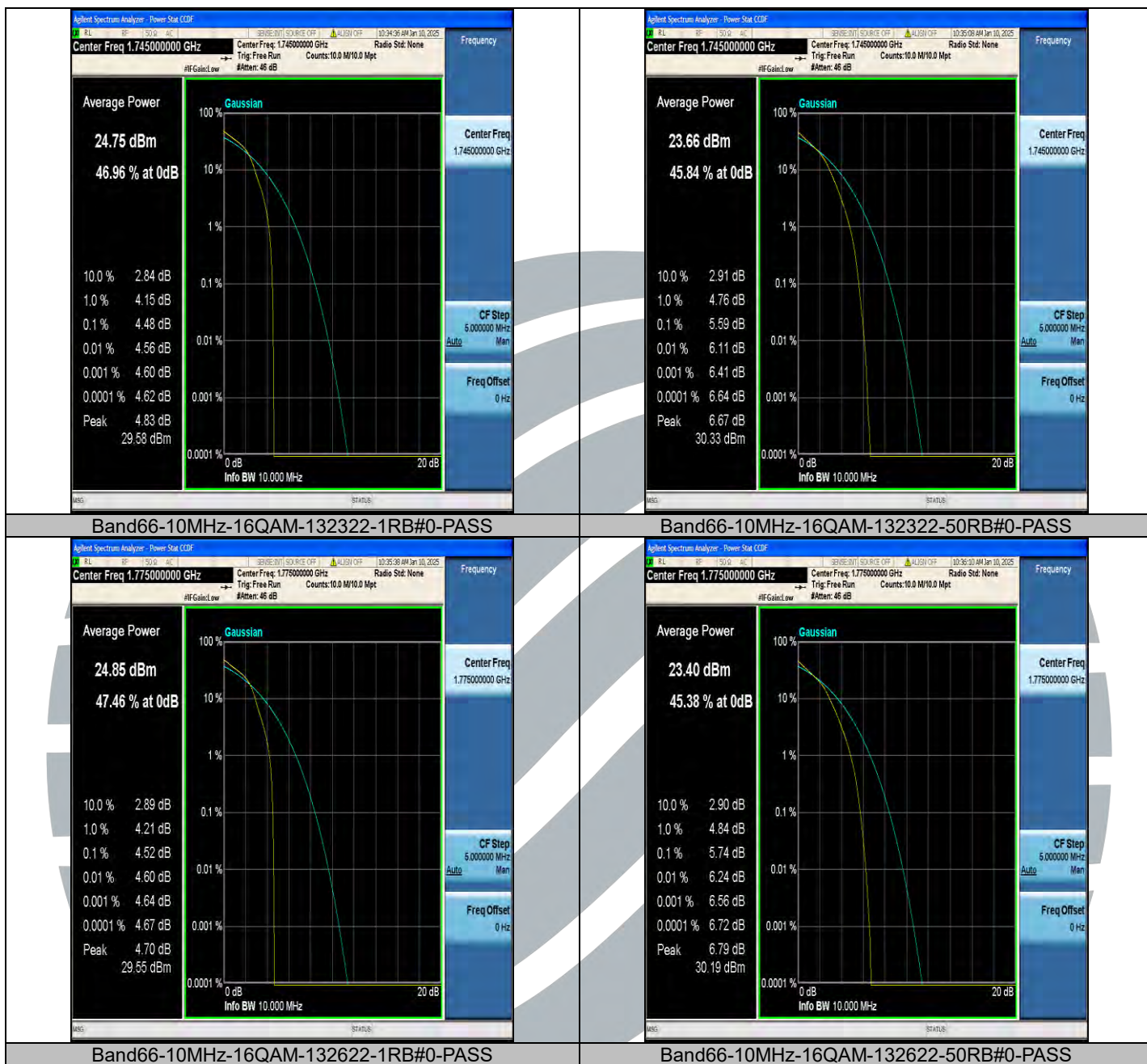


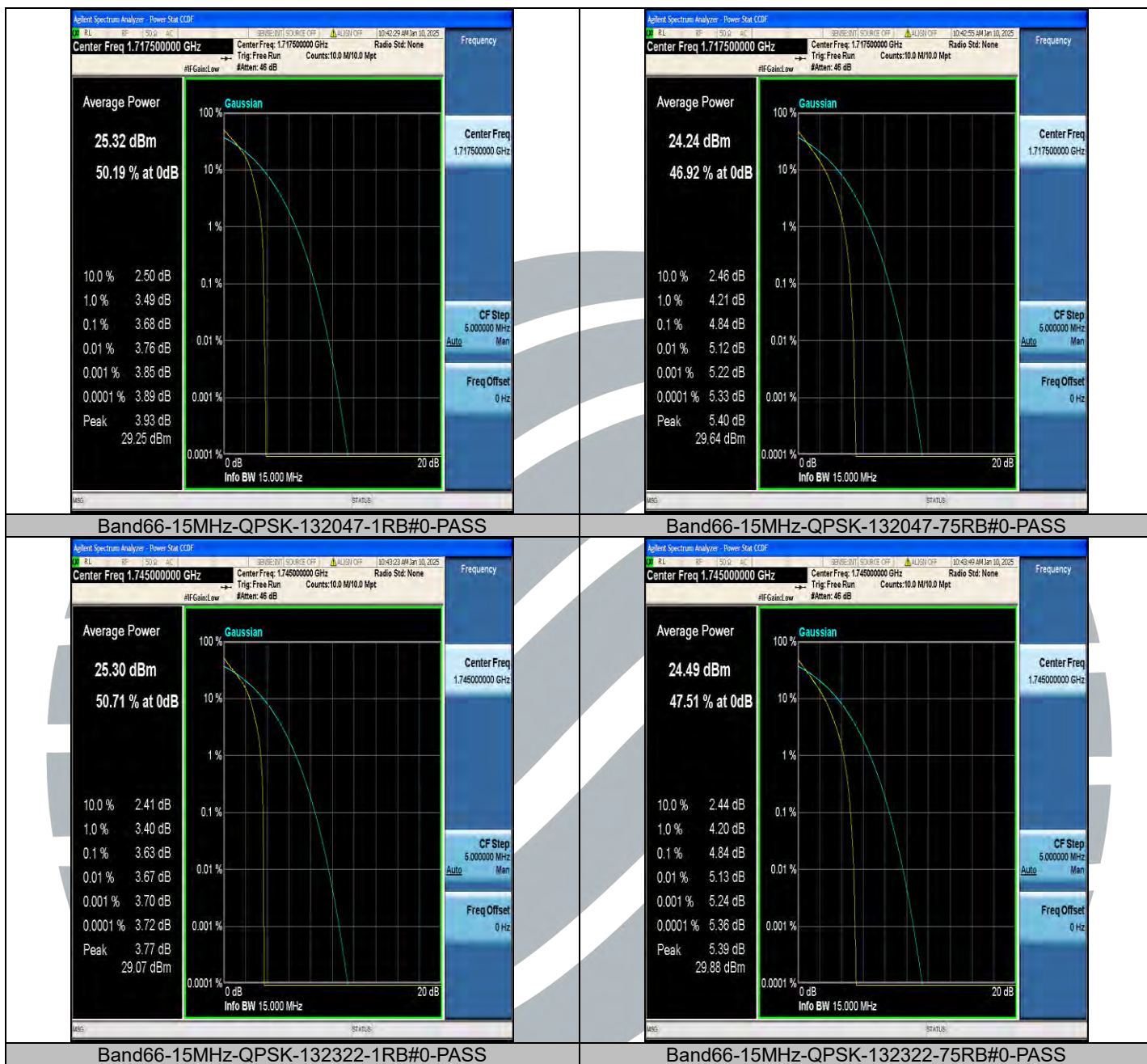


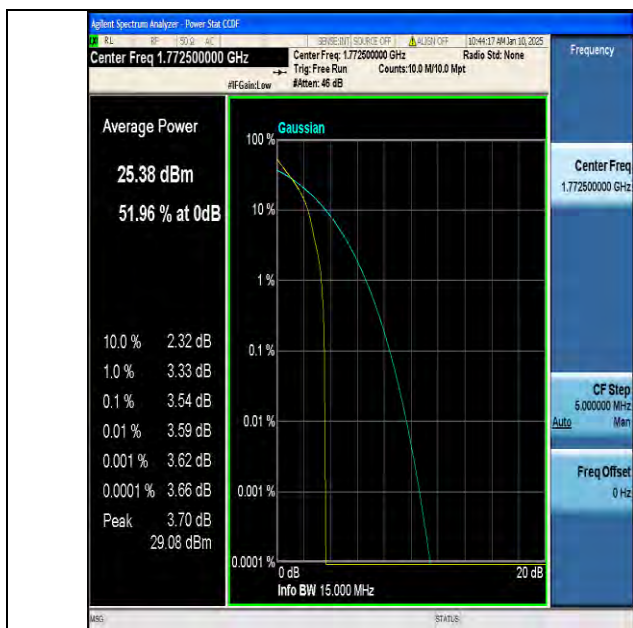




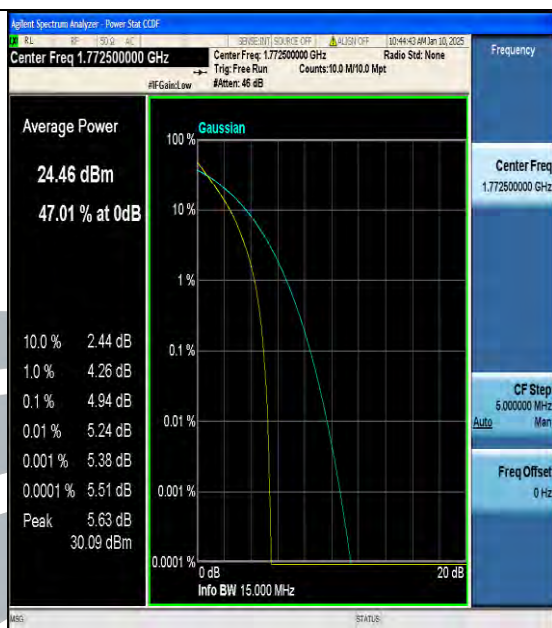








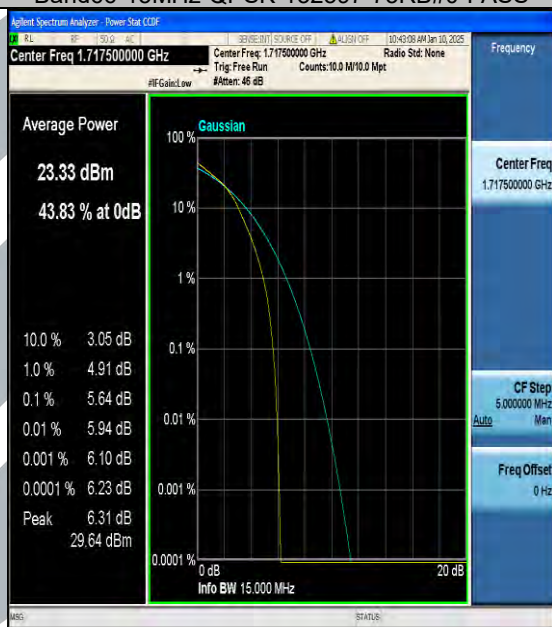
Band66-15MHz-QPSK-132597-1RB#0-PASS



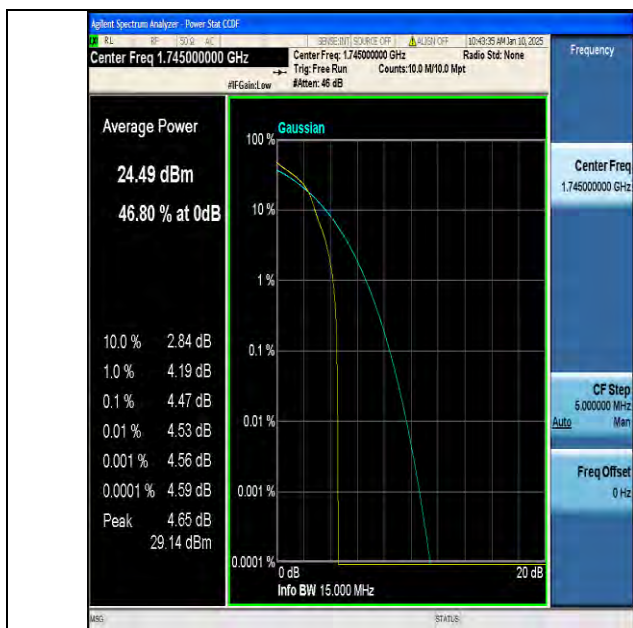
Band66-15MHz-QPSK-132597-75RB#0-PASS



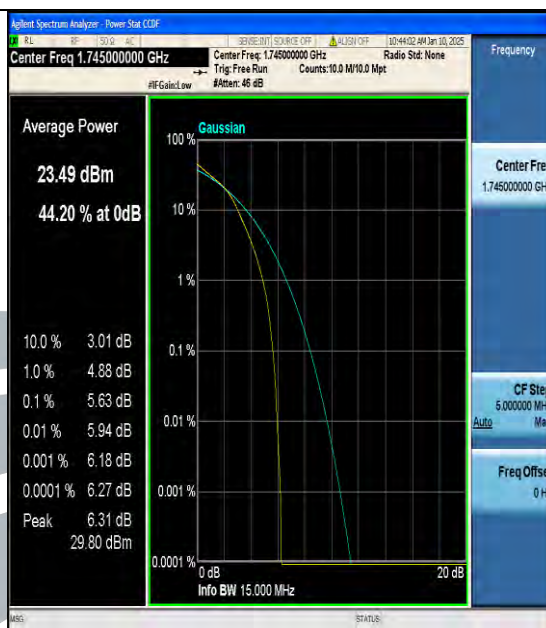
Band66-15MHz-16QAM-132047-1RB#0-PASS



Band66-15MHz-16QAM-132047-75RB#0-PASS



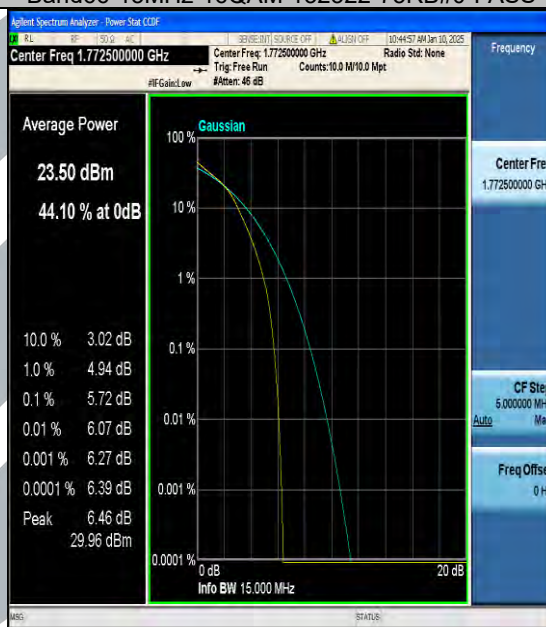
Band66-15MHz-16QAM-132322-1RB#0-PASS



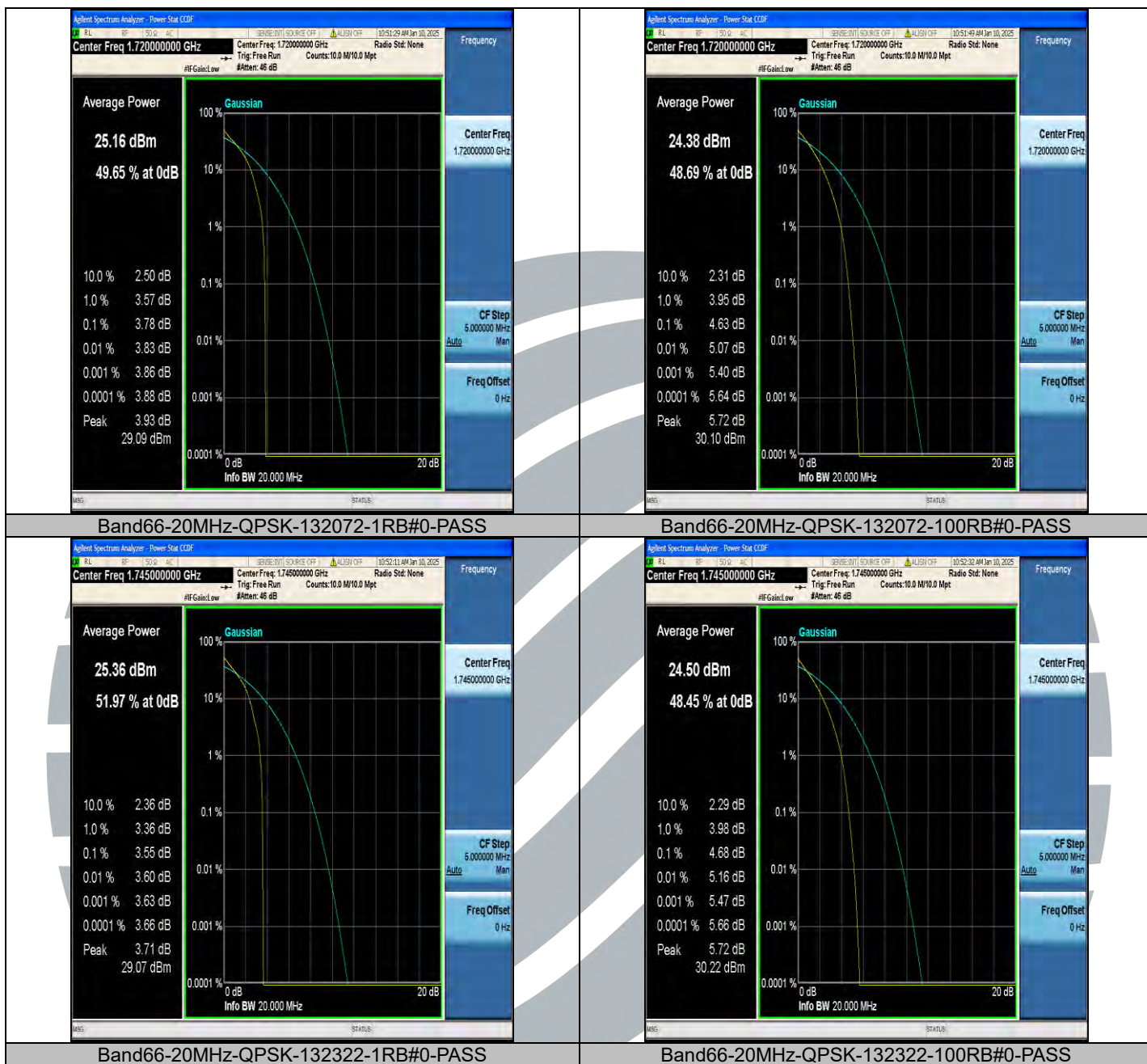
Band66-15MHz-16QAM-132322-75RB#0-PASS

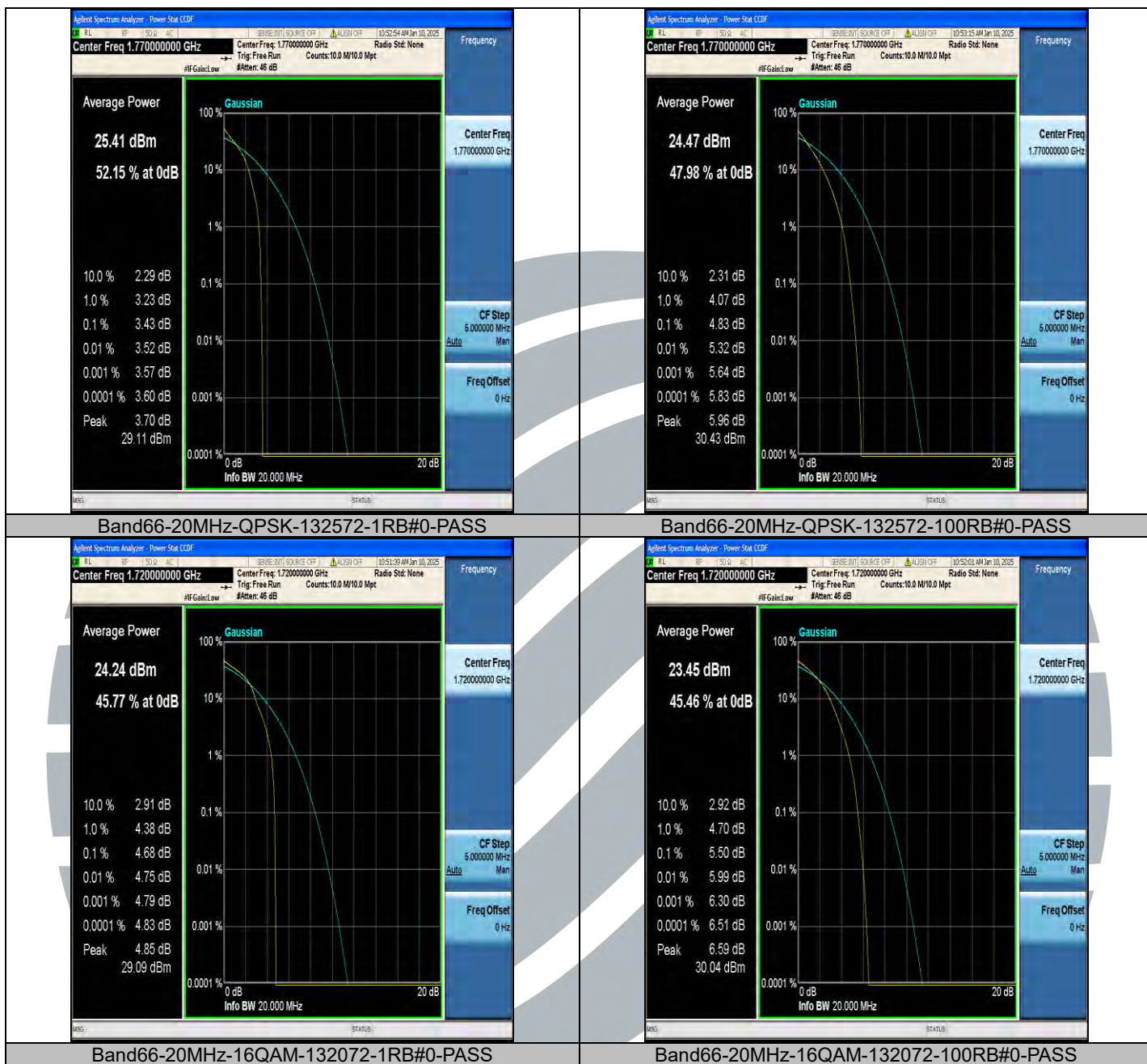


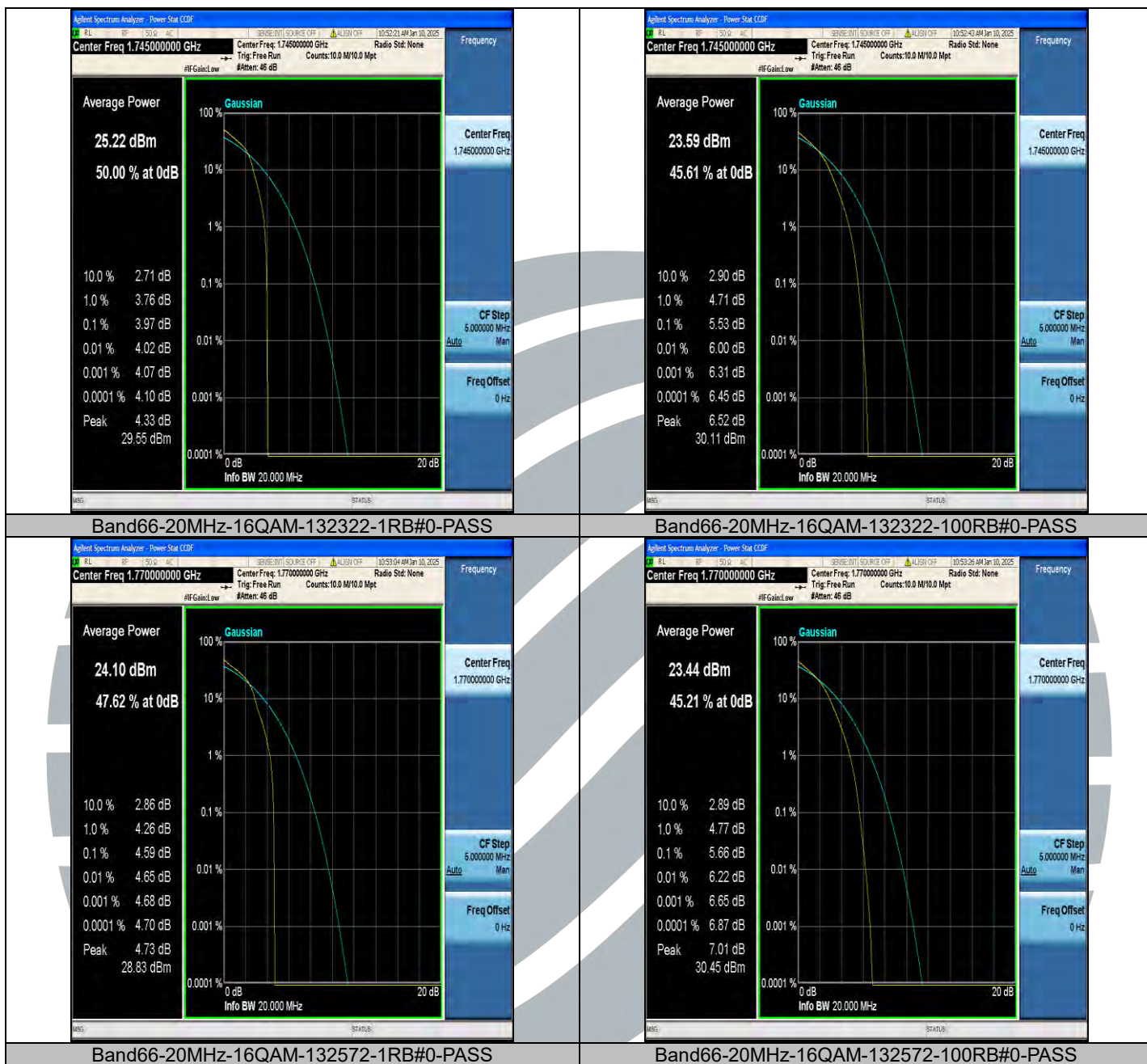
Band66-15MHz-16QAM-132597-1RB#0-PASS



Band66-15MHz-16QAM-132597-75RB#0-PASS







A.2 OCCUPIED BANDWIDTH

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0939	1.300	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0927	1.286	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.1002	1.308	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0974	1.301	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0938	1.283	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0911	1.279	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7046	2.974	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6996	2.970	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7029	2.968	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6932	2.973	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6926	2.981	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6978	2.978	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5101	5.025	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4936	4.970	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5047	4.994	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5034	4.994	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5040	5.031	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5168	5.022	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9959	9.928	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9714	9.902	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9345	9.889	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9748	9.829	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9686	9.837	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9555	9.778	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.472	14.73	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.404	14.67	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.353	14.58	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.467	14.71	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.421	14.64	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.404	14.63	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.937	19.52	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.880	19.48	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.837	19.38	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.017	19.56	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.871	19.35	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.831	19.56	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1.0960	1.288	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0978	1.312	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0974	1.304	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1028	1.295	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0914	1.282	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1004	1.296	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7067	2.955	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6994	2.963	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7006	2.975	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6905	2.956	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6938	2.978	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6985	2.983	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5047	5.010	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5084	5.012	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4948	4.999	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5023	4.961	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5042	4.963	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5068	5.026	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9776	9.934	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9810	9.875	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9507	9.871	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	10MHz	16QAM	20000	50RB#0	8.9837	9.820	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9718	9.899	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9767	9.855	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.419	14.64	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.409	14.68	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.436	14.80	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.420	14.67	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.441	14.71	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.421	14.65	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.872	19.37	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.942	19.64	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.892	19.38	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.925	19.42	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.917	19.41	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.893	19.46	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1.0914	1.290	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0942	1.285	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1004	1.291	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1007	1.291	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1011	1.299	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0936	1.277	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7005	2.963	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7031	2.964	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7050	2.969	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6949	2.961	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6993	2.952	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6918	2.972	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5015	5.010	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4920	4.991	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5066	5.004	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5018	4.968	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5083	5.015	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5246	5.018	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9656	9.914	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9817	9.931	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9455	9.811	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9629	9.897	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9910	9.861	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9296	9.808	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.5063	5.004	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5032	5.003	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4924	4.999	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5143	5.022	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4986	4.978	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4945	5.026	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9683	9.919	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9790	9.892	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9527	9.867	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9793	9.918	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9709	9.897	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9397	9.859	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.450	14.82	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.405	14.80	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.394	14.66	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.411	14.67	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.456	14.79	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.435	14.72	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.895	19.31	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.931	19.55	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	20MHz	QPSK	21350	100RB#0	17.933	19.41	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.940	19.44	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.906	19.38	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.905	19.42	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1.0953	1.313	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0937	1.282	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.1012	1.301	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1024	1.305	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0996	1.296	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0924	1.274	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7045	2.986	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6963	2.956	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7090	2.960	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6890	2.972	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6918	2.980	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6987	2.970	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5002	4.997	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4871	4.997	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5058	4.995	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4981	4.951	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5048	5.027	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5204	5.002	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0121	9.938	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9706	9.804	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9166	9.820	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0176	9.830	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9653	9.895	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9273	9.809	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.5013	4.986	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4787	4.962	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5007	5.006	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4923	4.967	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4868	5.013	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5152	5.015	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9350	9.844	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9465	9.796	PASS
Band17	5MHz	QPSK	23755	25RB#0	4.5013	5.000	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4928	4.982	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4915	4.975	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5192	5.037	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4864	4.950	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5052	5.024	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9405	9.858	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9259	9.811	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9286	9.809	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9352	9.834	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9231	9.775	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9399	9.750	PASS
Band38	5MHz	QPSK	37775	25RB#0	4.4962	5.391	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5004	5.443	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5014	5.541	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4872	5.037	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4921	5.387	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5025	5.438	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9682	14.48	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9690	10.91	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9637	10.41	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9596	11.21	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9809	9.963	PASS

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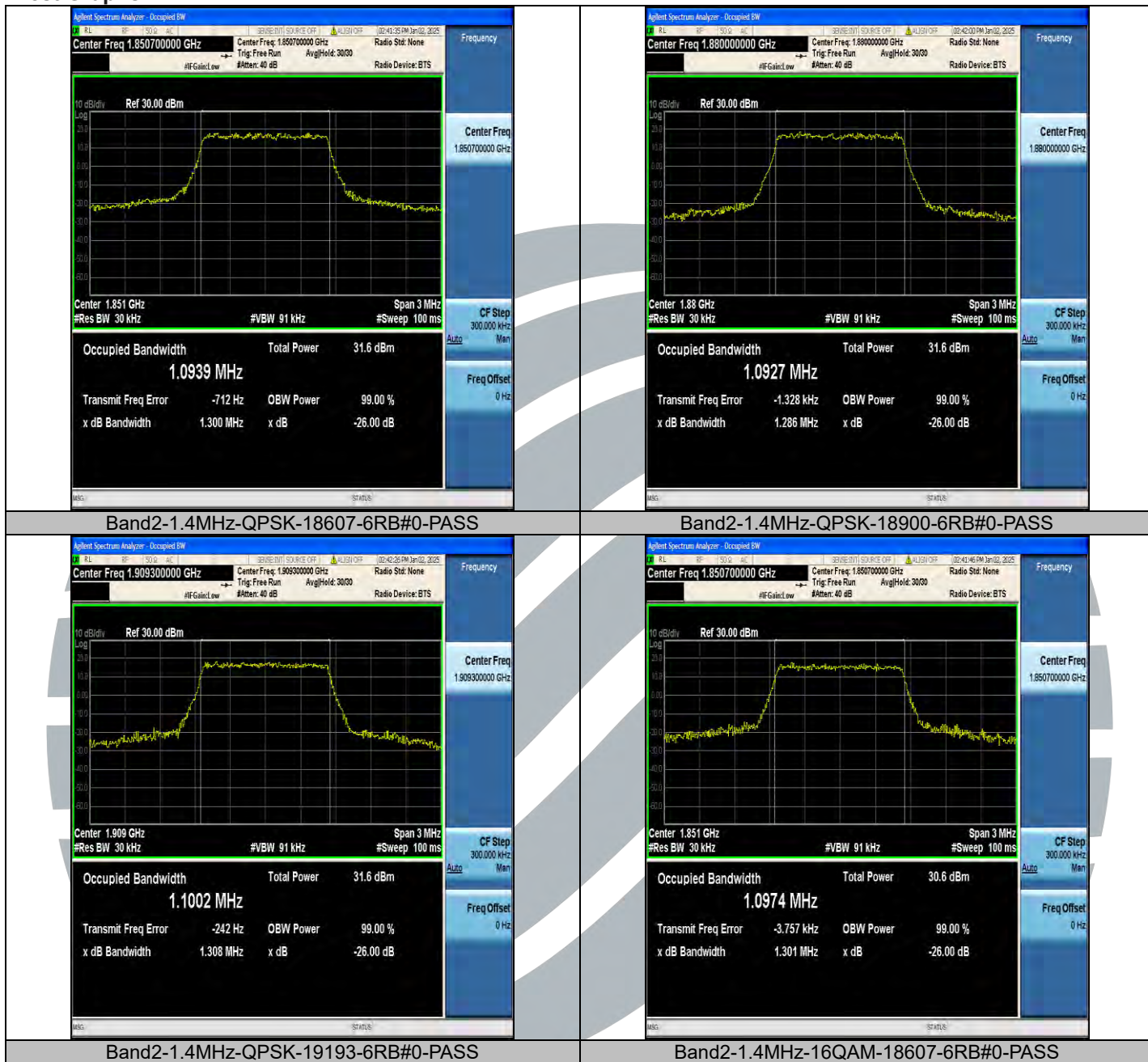
E-mail: info@uttlab.com

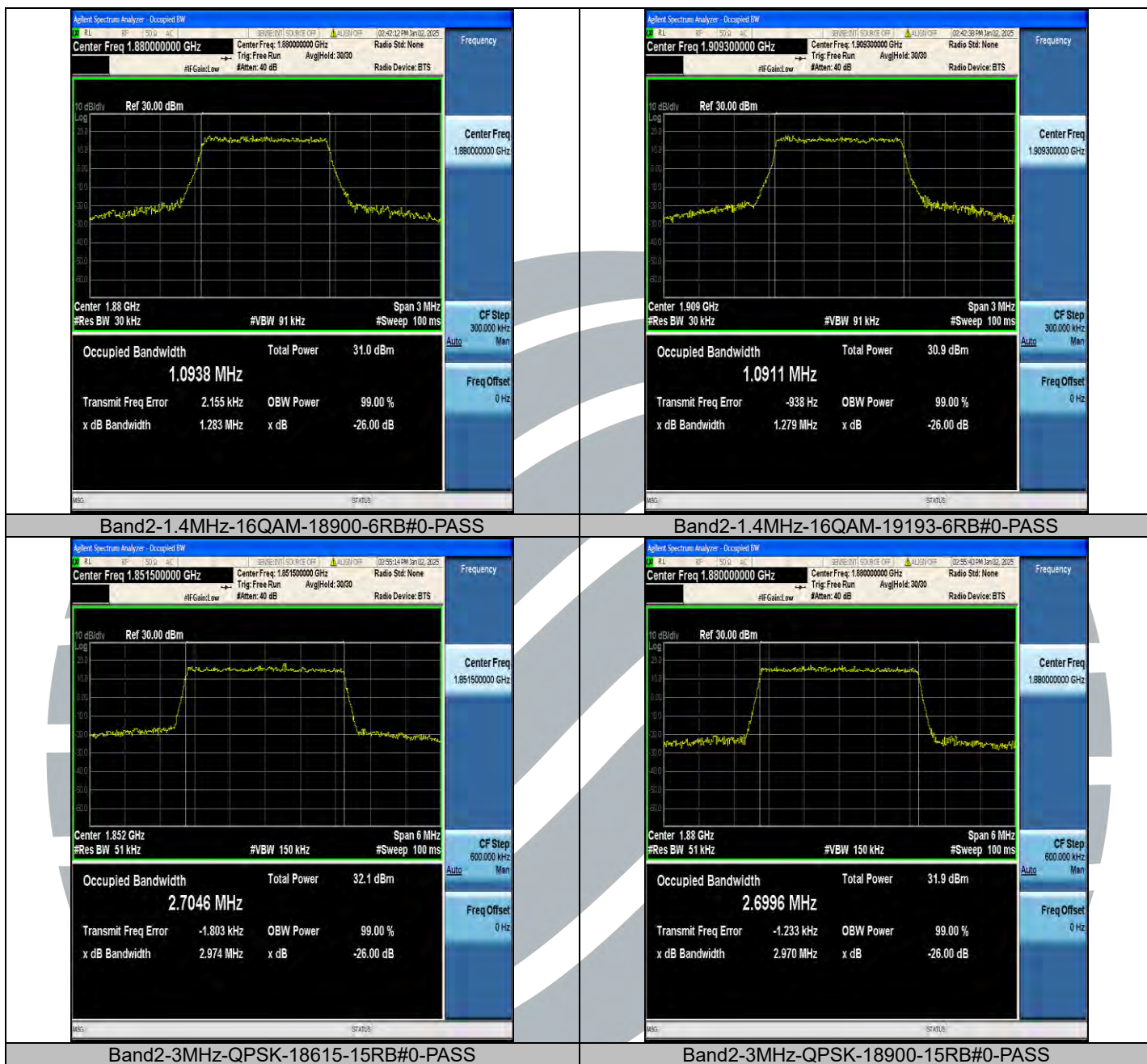
<http://www.uttlab.com>

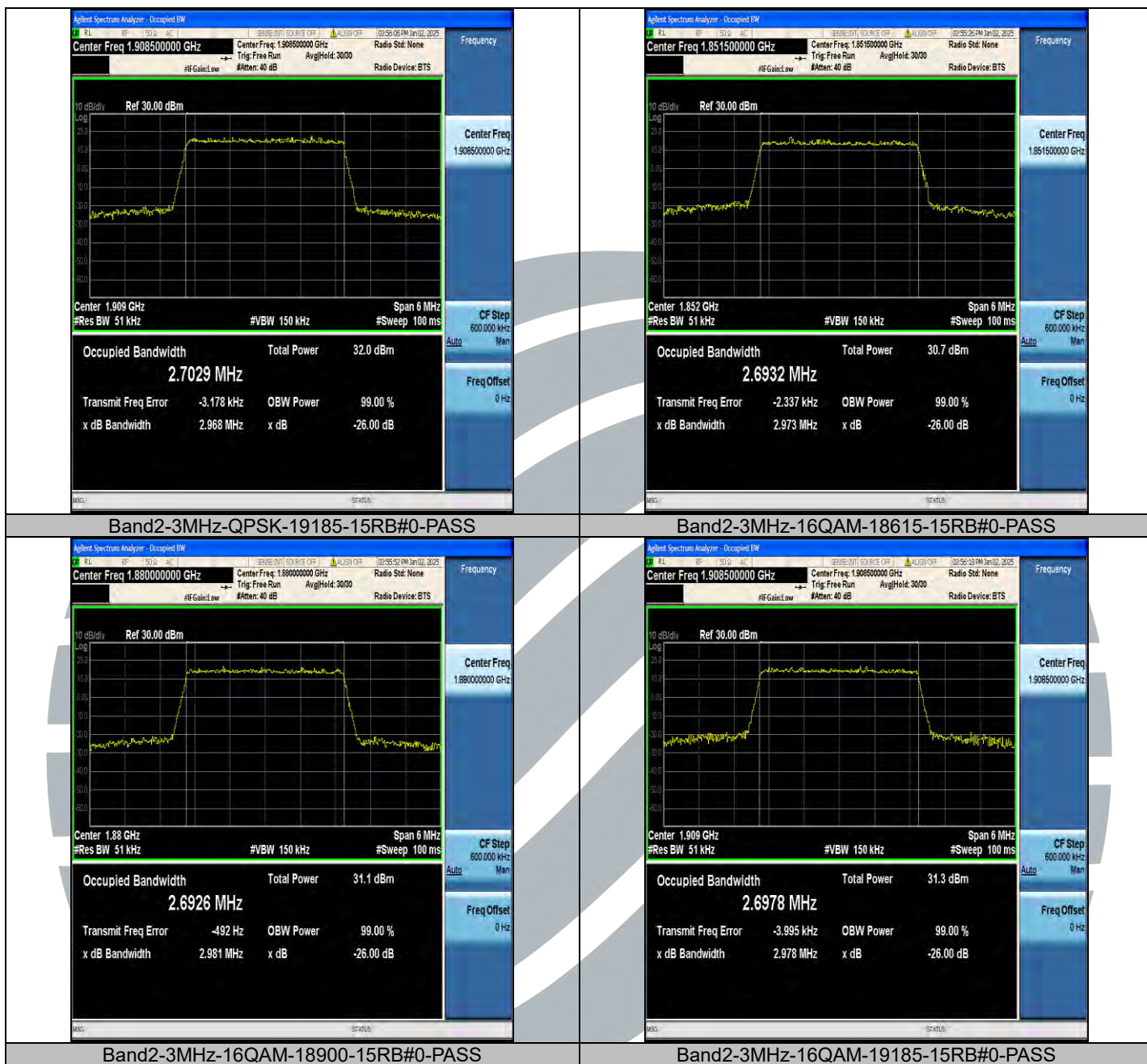
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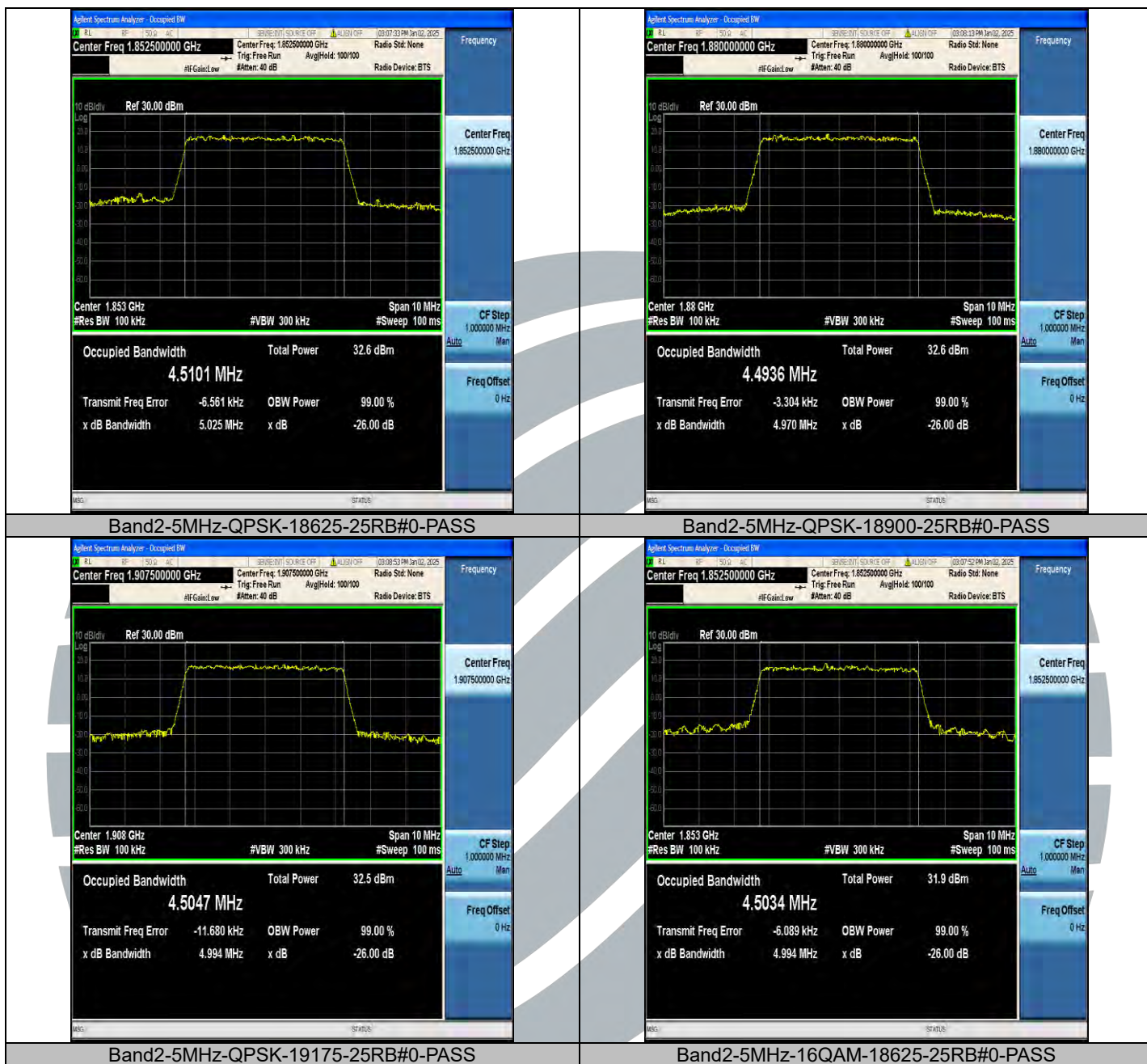
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	10MHz	16QAM	38200	50RB#0	8.9823	12.22	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.476	14.83	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.414	15.19	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.414	15.54	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.465	14.99	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.467	15.86	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.480	14.72	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.913	20.18	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.900	19.66	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.911	19.97	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.911	19.84	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.916	20.05	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.872	19.39	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	1.0907	1.297	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0937	1.308	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0945	1.287	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.1005	1.307	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0988	1.295	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0971	1.295	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.7005	2.968	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6972	2.967	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7080	2.966	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6878	2.969	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6948	2.973	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6951	2.975	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5025	5.012	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.4886	4.989	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.4987	4.989	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4970	4.964	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5027	5.008	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5150	5.037	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9609	9.927	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9743	9.844	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9411	9.902	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9630	9.837	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9629	9.828	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9646	9.876	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.411	14.80	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.428	14.79	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.395	14.65	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.424	14.64	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.429	14.72	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.438	14.70	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.884	19.31	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.882	19.62	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.931	19.39	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.871	19.45	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.900	19.37	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.934	19.61	PASS

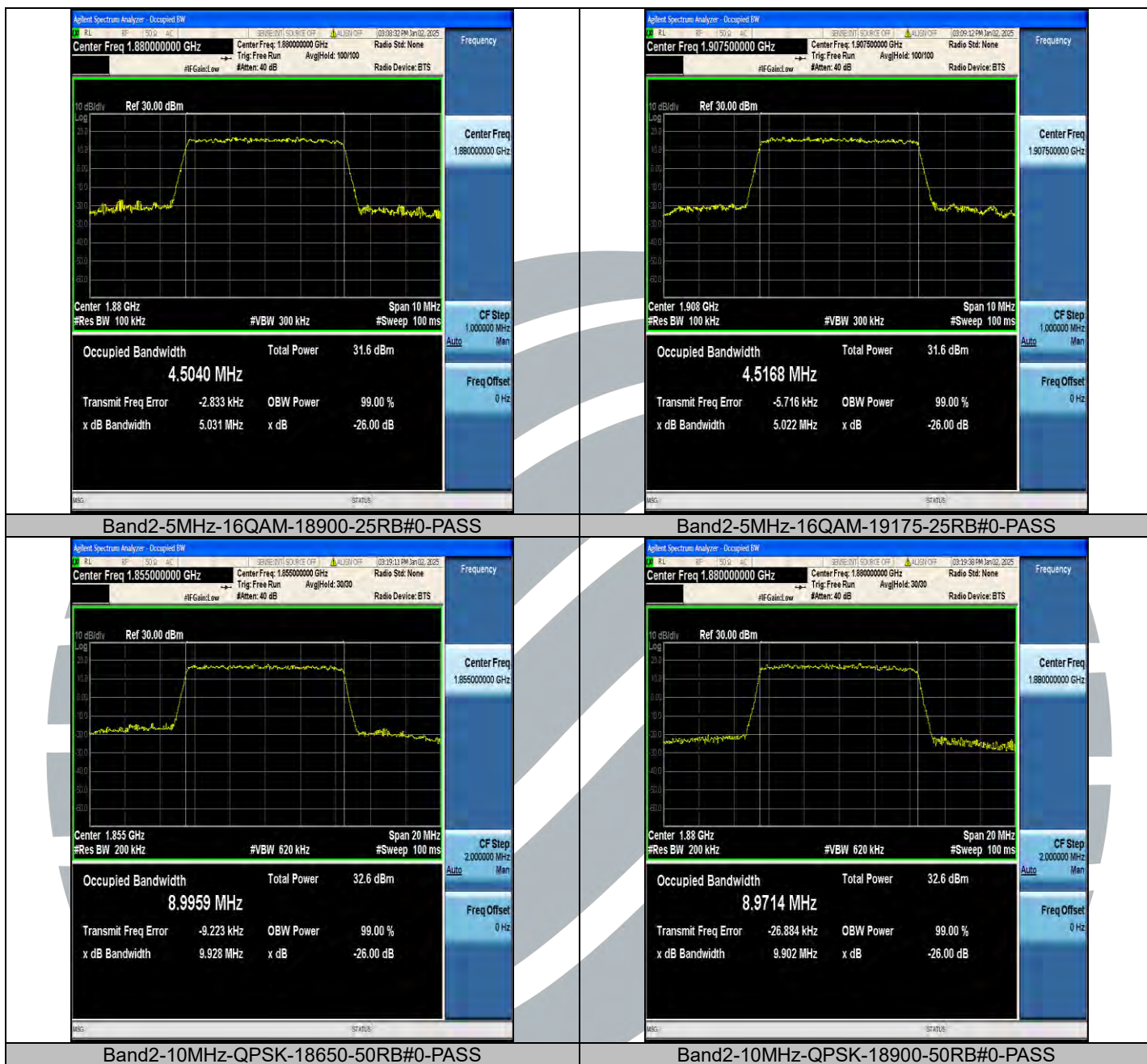
Test Graphs

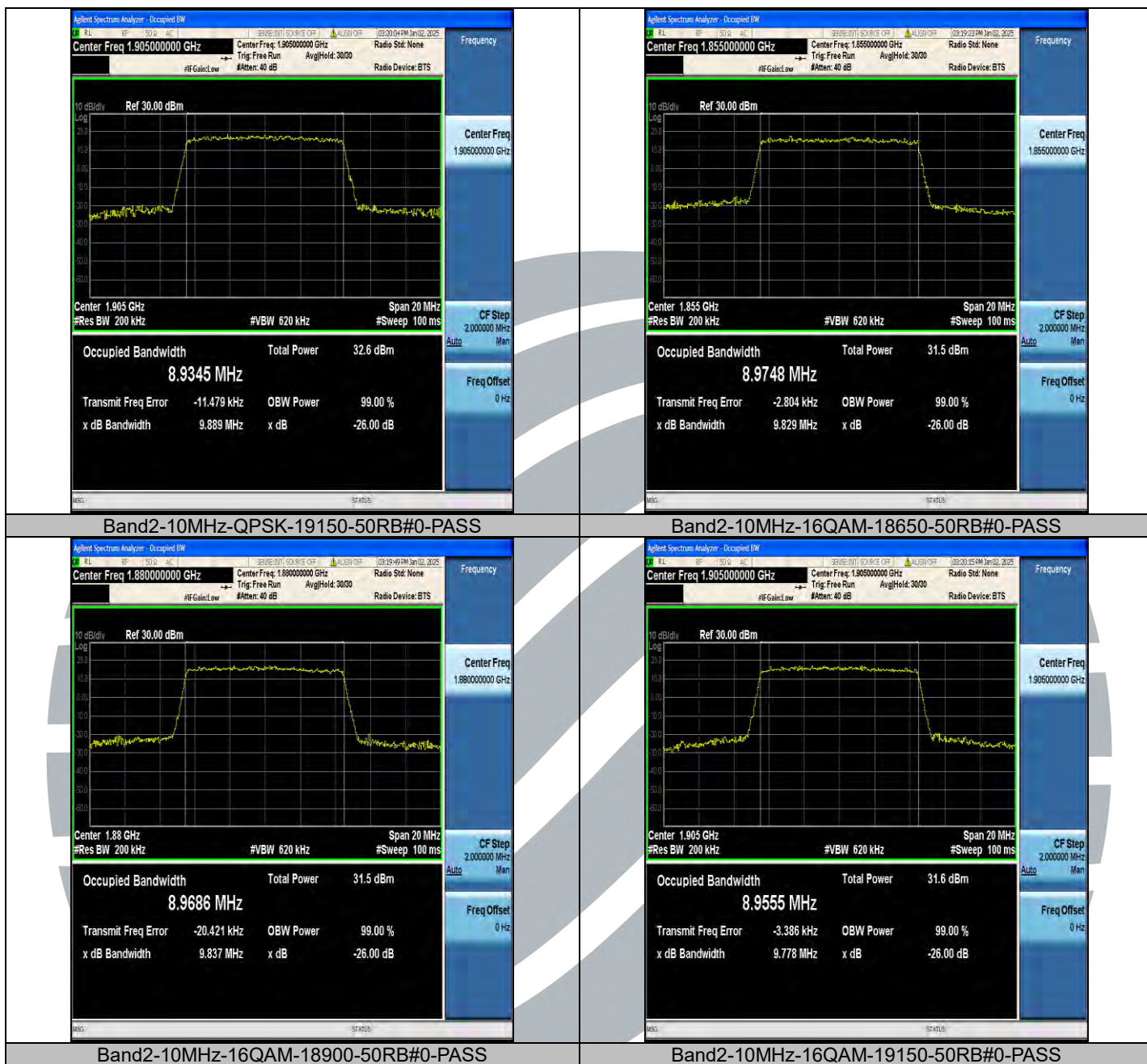






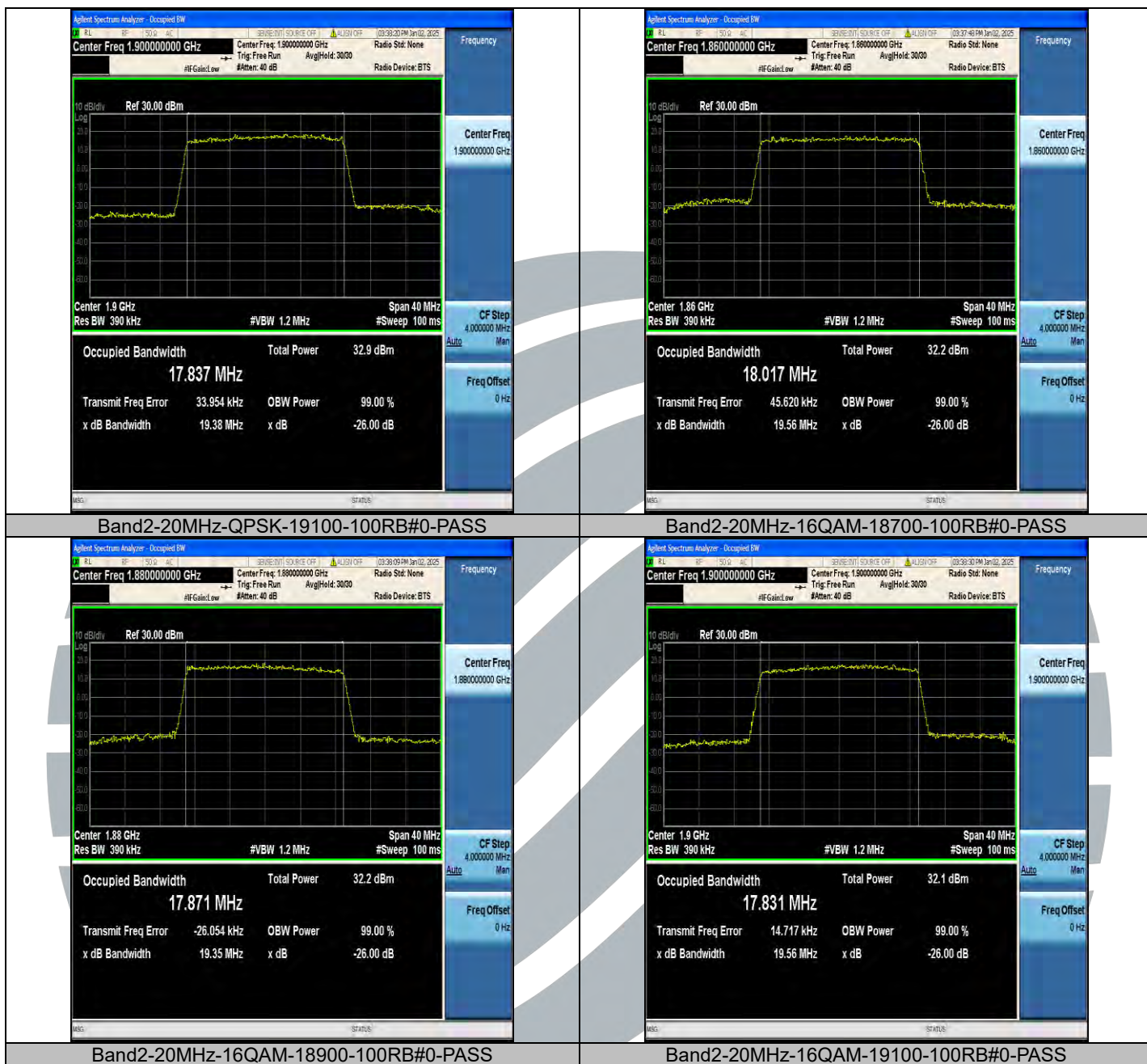


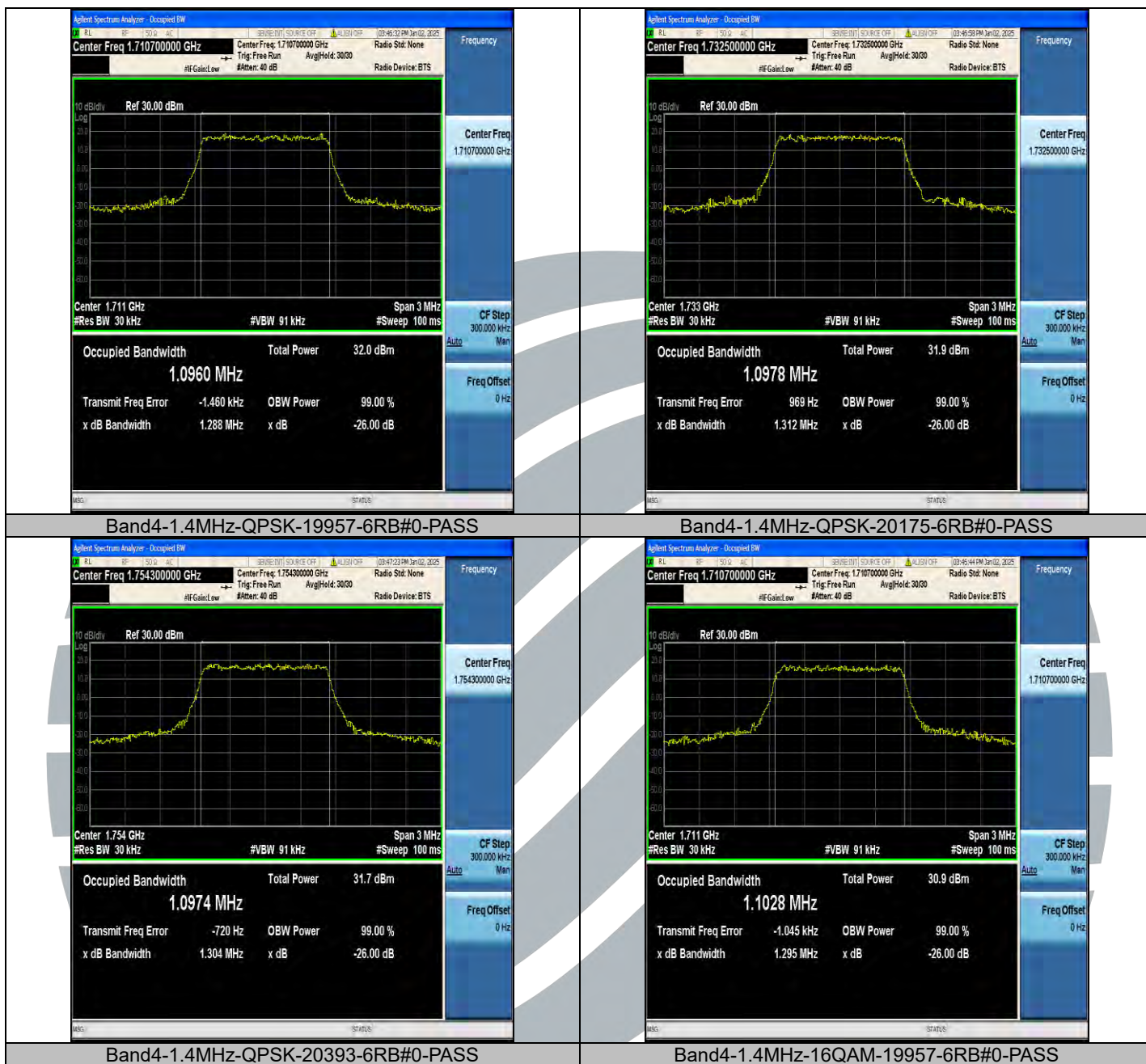






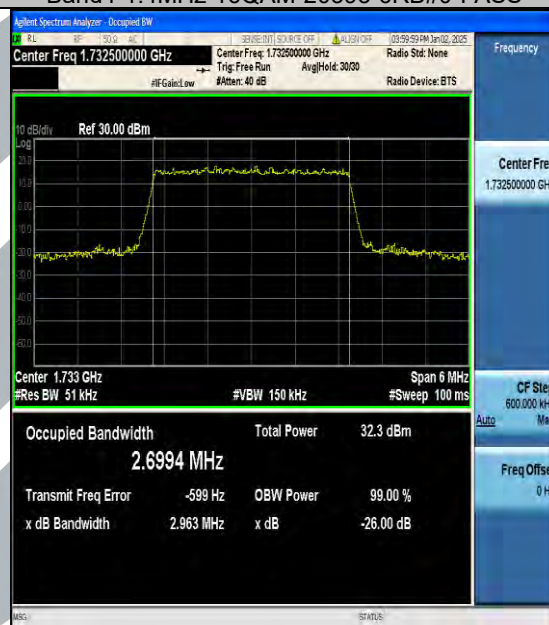








Band4-1.4MHz-16QAM-20393-6RB#0-PASS



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