

Appendix for Band 71

Product Name: LTE Module

Model No: Global-7243A4x4CB

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.20	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.11	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.73	PASS
Band71	5MHz	QPSK	133147	12RB#0	22.60	PASS
Band71	5MHz	QPSK	133147	12RB#6	22.56	PASS
Band71	5MHz	QPSK	133147	12RB#13	21.94	PASS
Band71	5MHz	QPSK	133147	25RB#0	21.96	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.81	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.18	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.79	PASS
Band71	5MHz	QPSK	133297	12RB#0	22.28	PASS
Band71	5MHz	QPSK	133297	12RB#6	22.28	PASS
Band71	5MHz	QPSK	133297	12RB#13	22.06	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.00	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.06	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.09	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.05	PASS
Band71	5MHz	QPSK	133447	12RB#0	22.77	PASS
Band71	5MHz	QPSK	133447	12RB#6	22.77	PASS
Band71	5MHz	QPSK	133447	12RB#13	22.11	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.31	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.00	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.01	PASS
Band71	5MHz	16QAM	133147	1RB#24	21.63	PASS
Band71	5MHz	16QAM	133147	12RB#0	21.67	PASS
Band71	5MHz	16QAM	133147	12RB#6	21.64	PASS
Band71	5MHz	16QAM	133147	12RB#13	20.91	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.06	PASS
Band71	5MHz	16QAM	133297	1RB#0	21.81	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.35	PASS

Band71	5MHz	16QAM	133297	1RB#24	21.95	PASS
Band71	5MHz	16QAM	133297	12RB#0	21.39	PASS
Band71	5MHz	16QAM	133297	12RB#6	21.39	PASS
Band71	5MHz	16QAM	133297	12RB#13	21.13	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.99	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.06	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.13	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.04	PASS
Band71	5MHz	16QAM	133447	12RB#0	21.91	PASS
Band71	5MHz	16QAM	133447	12RB#6	21.90	PASS
Band71	5MHz	16QAM	133447	12RB#13	21.25	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.46	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.49	PASS
Band71	10MHz	QPSK	133172	1RB#24	22.96	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.42	PASS
Band71	10MHz	QPSK	133172	25RB#0	22.15	PASS
Band71	10MHz	QPSK	133172	25RB#12	22.13	PASS
Band71	10MHz	QPSK	133172	25RB#25	22.12	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.07	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.21	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.09	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.25	PASS
Band71	10MHz	QPSK	133297	25RB#0	21.89	PASS
Band71	10MHz	QPSK	133297	25RB#12	21.89	PASS
Band71	10MHz	QPSK	133297	25RB#25	22.19	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.15	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.43	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.36	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.29	PASS
Band71	10MHz	QPSK	133422	25RB#0	22.53	PASS
Band71	10MHz	QPSK	133422	25RB#12	22.54	PASS
Band71	10MHz	QPSK	133422	25RB#25	22.37	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.31	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.38	PASS
Band71	10MHz	16QAM	133172	1RB#24	21.80	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.40	PASS
Band71	10MHz	16QAM	133172	25RB#0	21.27	PASS

Band71	10MHz	16QAM	133172	25RB#12	21.26	PASS
Band71	10MHz	16QAM	133172	25RB#25	21.24	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.21	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.05	PASS
Band71	10MHz	16QAM	133297	1RB#24	21.95	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.13	PASS
Band71	10MHz	16QAM	133297	25RB#0	21.09	PASS
Band71	10MHz	16QAM	133297	25RB#12	21.09	PASS
Band71	10MHz	16QAM	133297	25RB#25	21.23	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.22	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.58	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.57	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.26	PASS
Band71	10MHz	16QAM	133422	25RB#0	21.47	PASS
Band71	10MHz	16QAM	133422	25RB#12	21.48	PASS
Band71	10MHz	16QAM	133422	25RB#25	21.45	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.43	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.82	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.22	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.30	PASS
Band71	15MHz	QPSK	133197	38RB#0	22.71	PASS
Band71	15MHz	QPSK	133197	38RB#18	22.16	PASS
Band71	15MHz	QPSK	133197	38RB#37	22.31	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.72	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.73	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.29	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.62	PASS
Band71	15MHz	QPSK	133297	38RB#0	22.91	PASS
Band71	15MHz	QPSK	133297	38RB#18	22.32	PASS
Band71	15MHz	QPSK	133297	38RB#37	22.87	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.45	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.42	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.42	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.52	PASS
Band71	15MHz	QPSK	133397	38RB#0	22.22	PASS
Band71	15MHz	QPSK	133397	38RB#18	22.38	PASS
Band71	15MHz	QPSK	133397	38RB#37	22.23	PASS

Band71	15MHz	QPSK	133397	75RB#0	22.57	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.69	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.13	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.38	PASS
Band71	15MHz	16QAM	133197	38RB#0	22.68	PASS
Band71	15MHz	16QAM	133197	38RB#18	22.17	PASS
Band71	15MHz	16QAM	133197	38RB#37	22.42	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.60	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.82	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.34	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.89	PASS
Band71	15MHz	16QAM	133297	38RB#0	22.90	PASS
Band71	15MHz	16QAM	133297	38RB#18	22.32	PASS
Band71	15MHz	16QAM	133297	38RB#37	22.87	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.56	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.26	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.34	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.24	PASS
Band71	15MHz	16QAM	133397	38RB#0	22.22	PASS
Band71	15MHz	16QAM	133397	38RB#18	22.38	PASS
Band71	15MHz	16QAM	133397	38RB#37	22.34	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.68	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.65	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.53	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.45	PASS
Band71	20MHz	QPSK	133222	50RB#0	22.31	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.41	PASS
Band71	20MHz	QPSK	133222	50RB#50	22.33	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.59	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.74	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.14	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.50	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.25	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.23	PASS
Band71	20MHz	QPSK	133322	50RB#50	22.44	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.34	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.00	PASS

Band71	20MHz	QPSK	133372	1RB#49	23.47	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.27	PASS
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Band71	20MHz	16QAM	133222	1RB#99	22.27	PASS
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Band71	20MHz	16QAM	133222	50RB#50	21.44	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.50	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.98	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.15	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.76	PASS
Band71	20MHz	16QAM	133322	50RB#0	21.32	PASS
Band71	20MHz	16QAM	133322	50RB#25	21.30	PASS
Band71	20MHz	16QAM	133322	50RB#50	21.40	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.40	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.91	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.28	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.10	PASS
Band71	20MHz	16QAM	133372	50RB#0	21.46	PASS
Band71	20MHz	16QAM	133372	50RB#25	21.47	PASS
Band71	20MHz	16QAM	133372	50RB#50	21.56	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.30	PASS

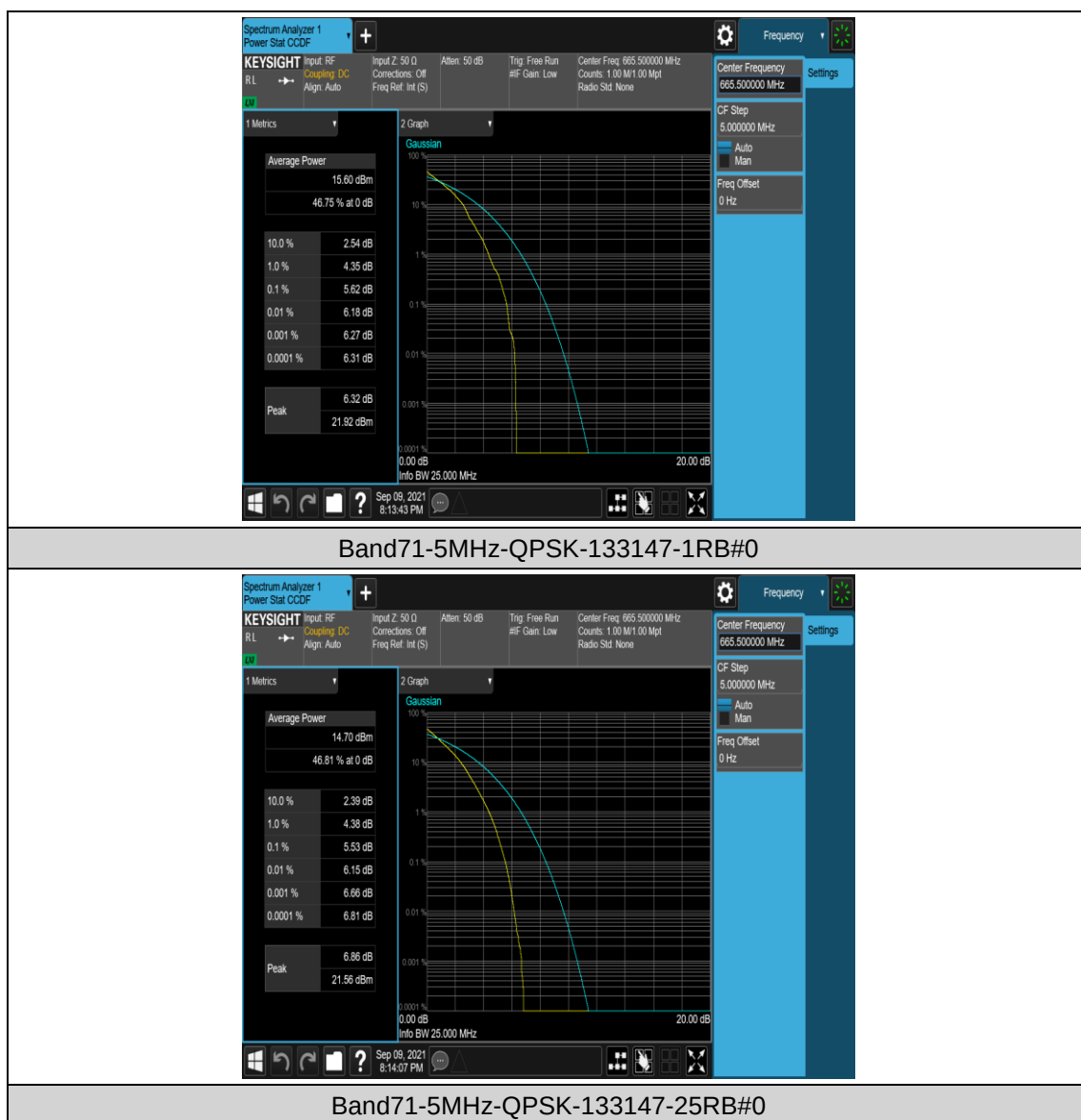
Appendix B: Peak-to-Average Ratio(CCDF)

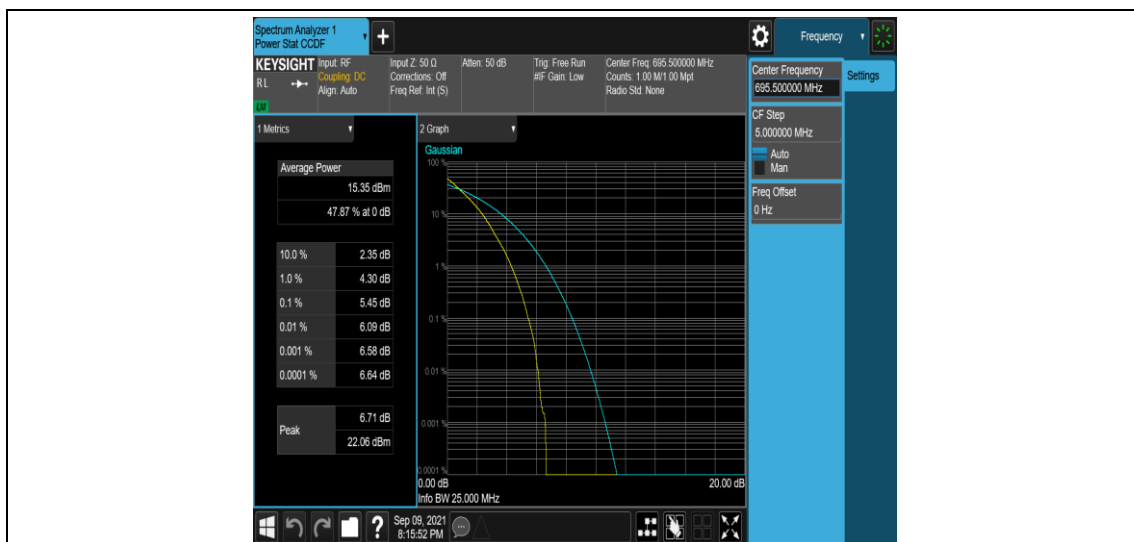
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	5.62	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	5.53	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	5.78	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.77	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	5.46	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.45	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	5.70	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.22	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	5.98	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.26	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	6.06	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.16	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	5.25	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.42	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	5.61	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.70	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	4.89	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.35	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	6.10	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.13	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	6.19	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.26	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.55	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.16	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	5.22	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.62	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	5.10	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.79	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	4.86	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.60	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	5.96	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.08	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	5.78	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.21	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.96	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.15	13	PASS

Band71	20MHz	QPSK	133222	1RB#0	5.15	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.20	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	5.27	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.63	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	5.58	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.60	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.87	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.08	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	6.01	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.16	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	6.52	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.23	13	PASS

Test Graphs





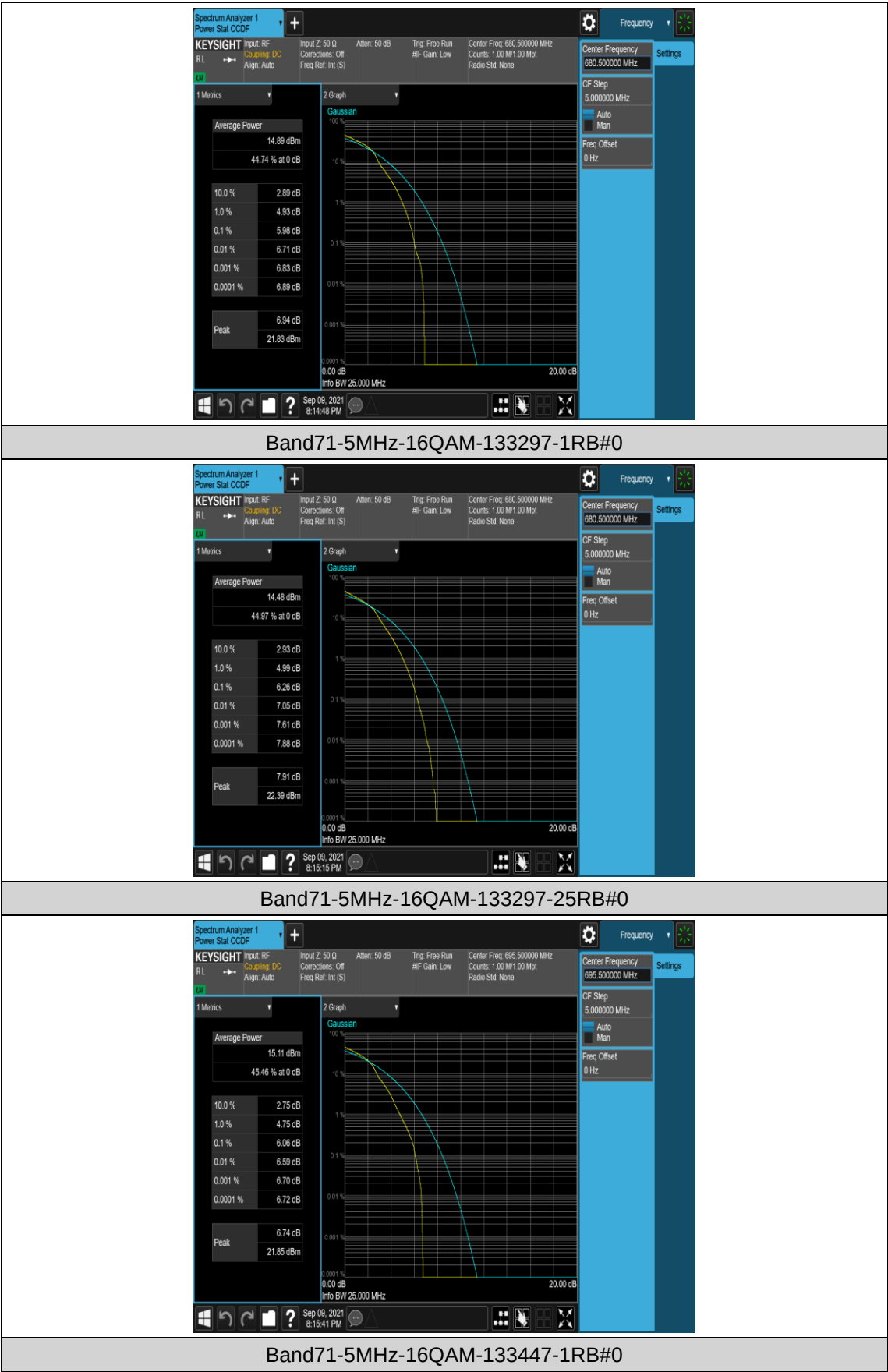
Band71-5MHz-QPSK-133447-25RB#0



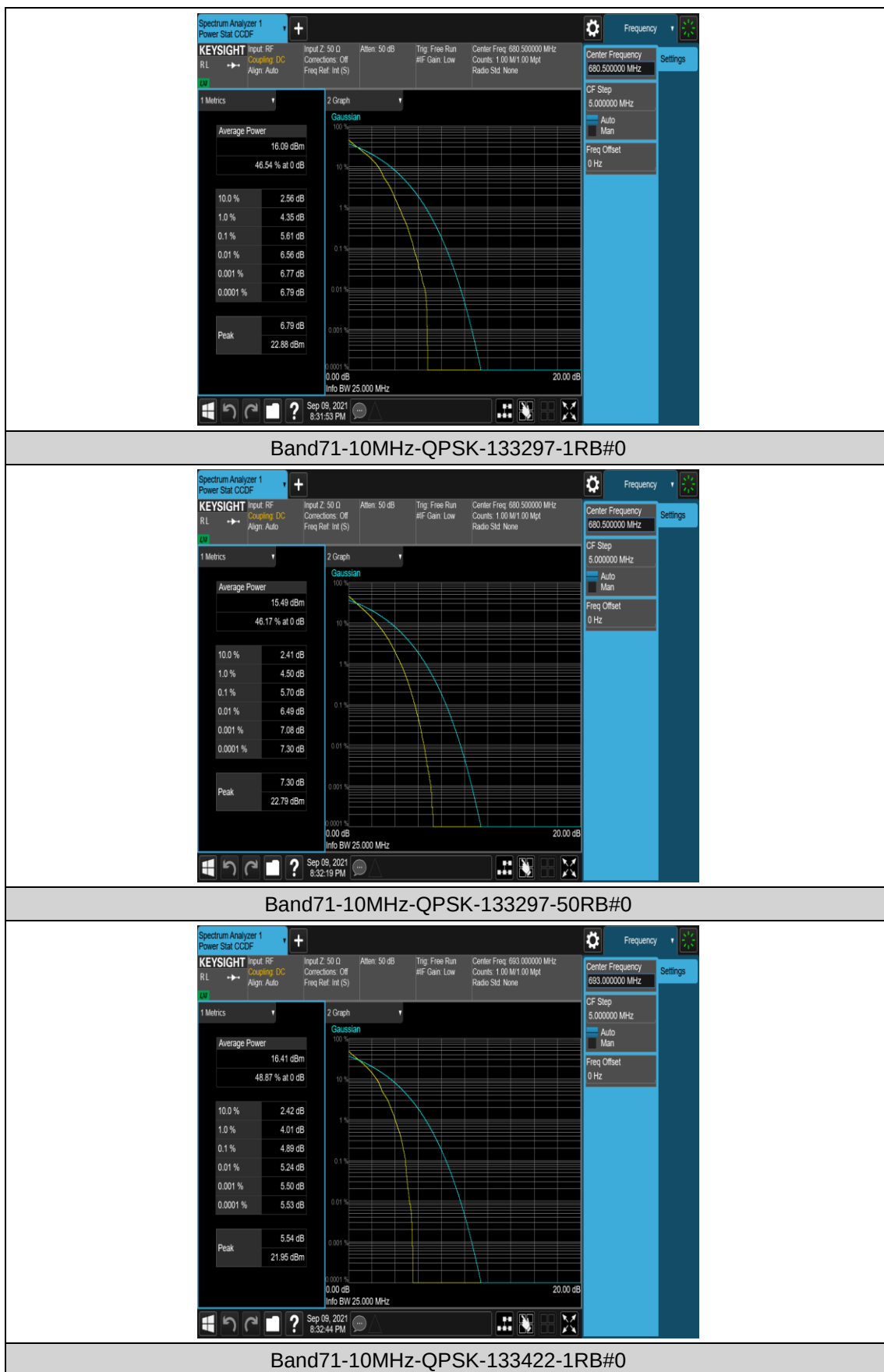
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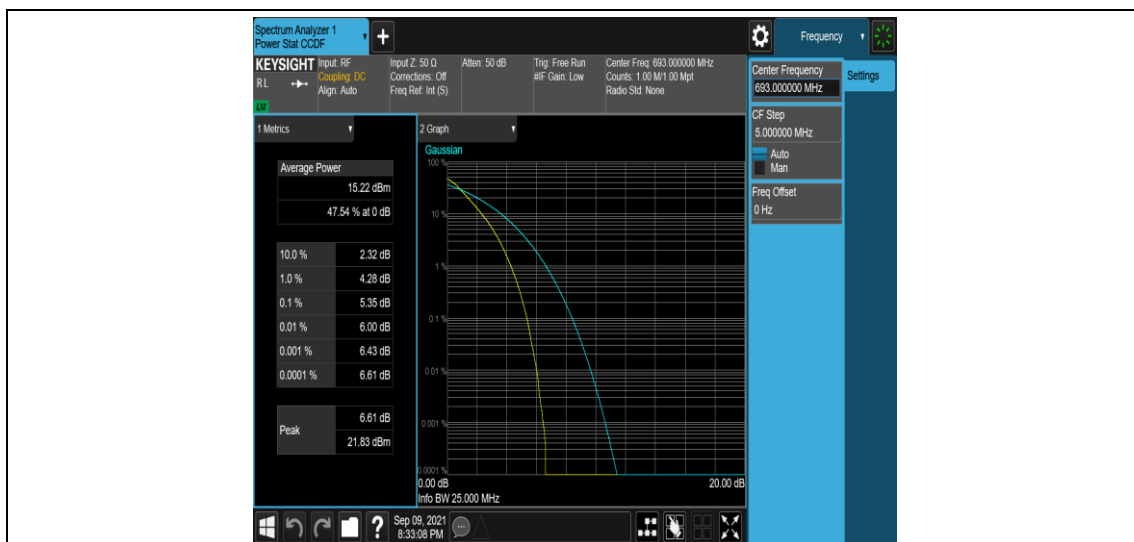


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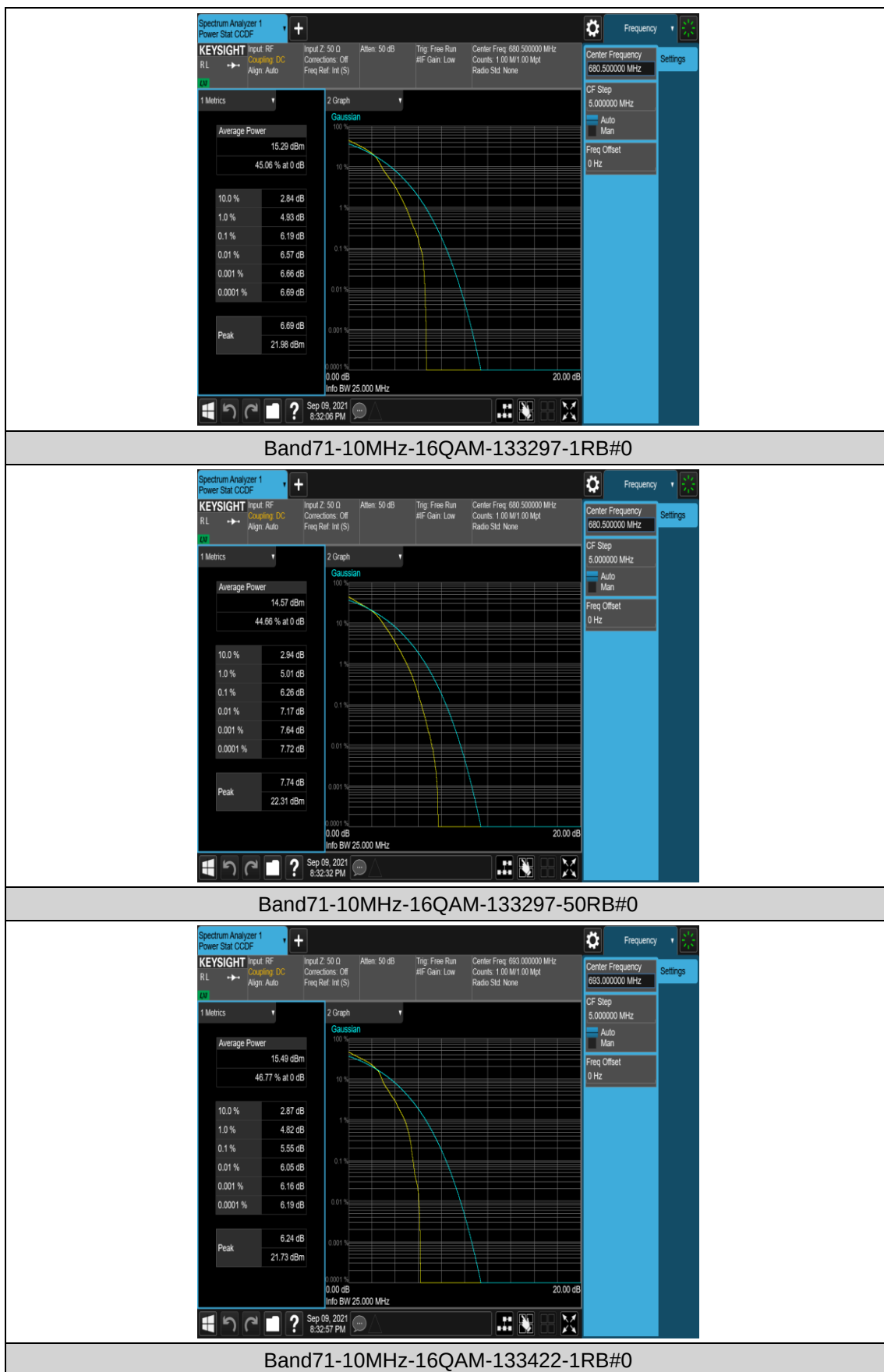
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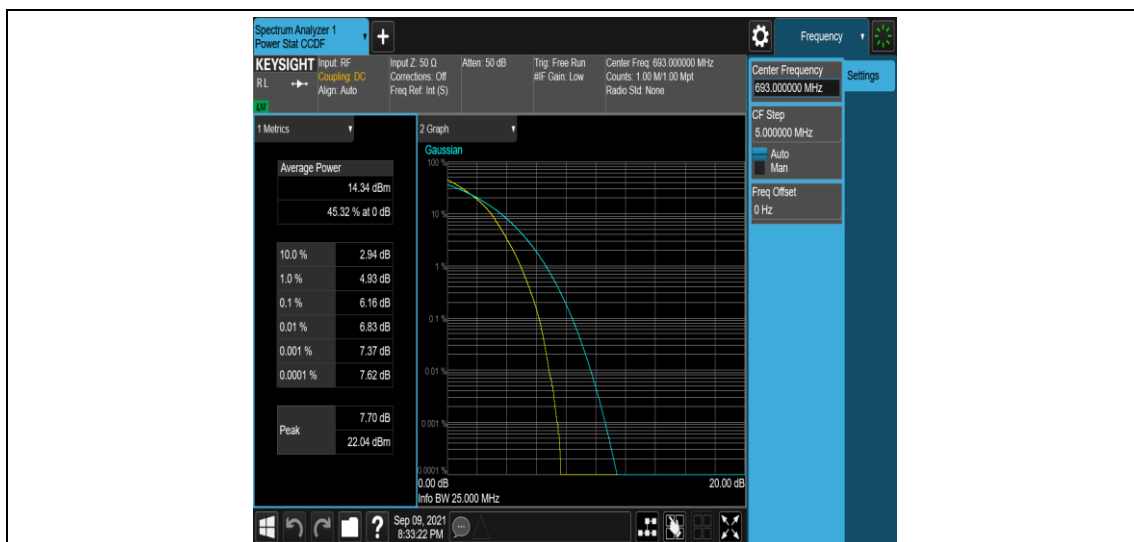


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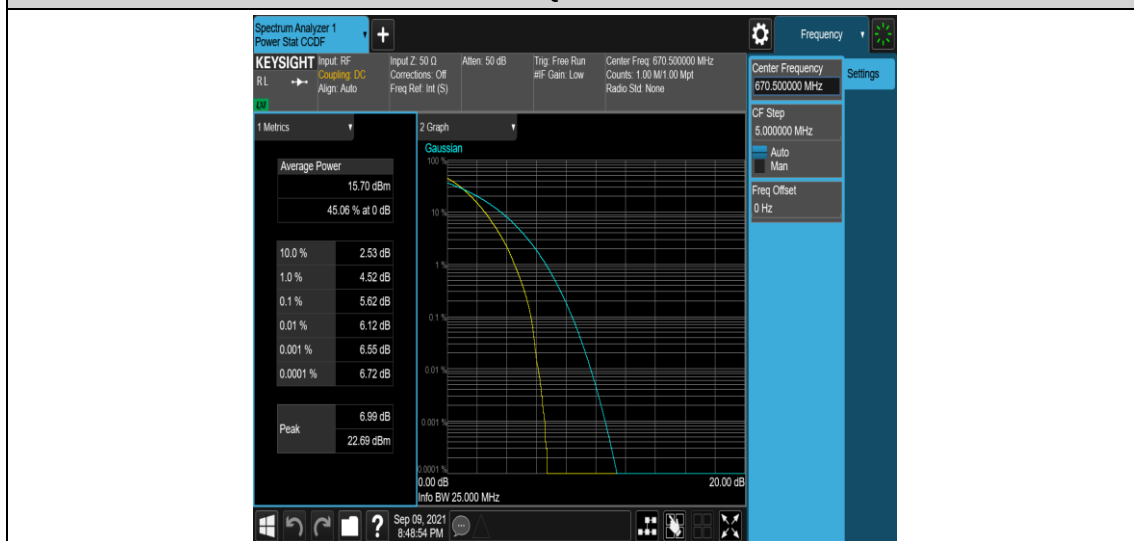




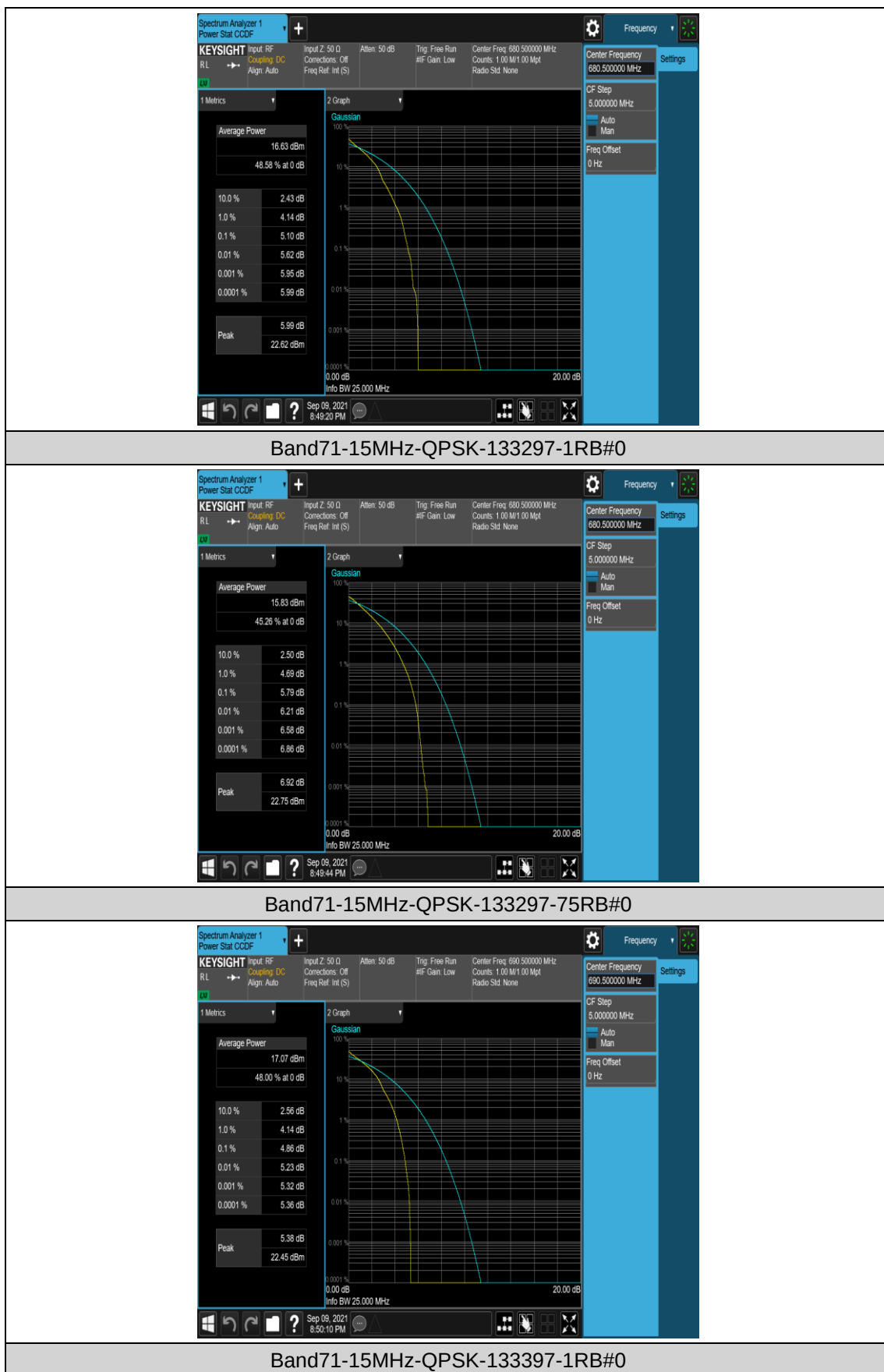
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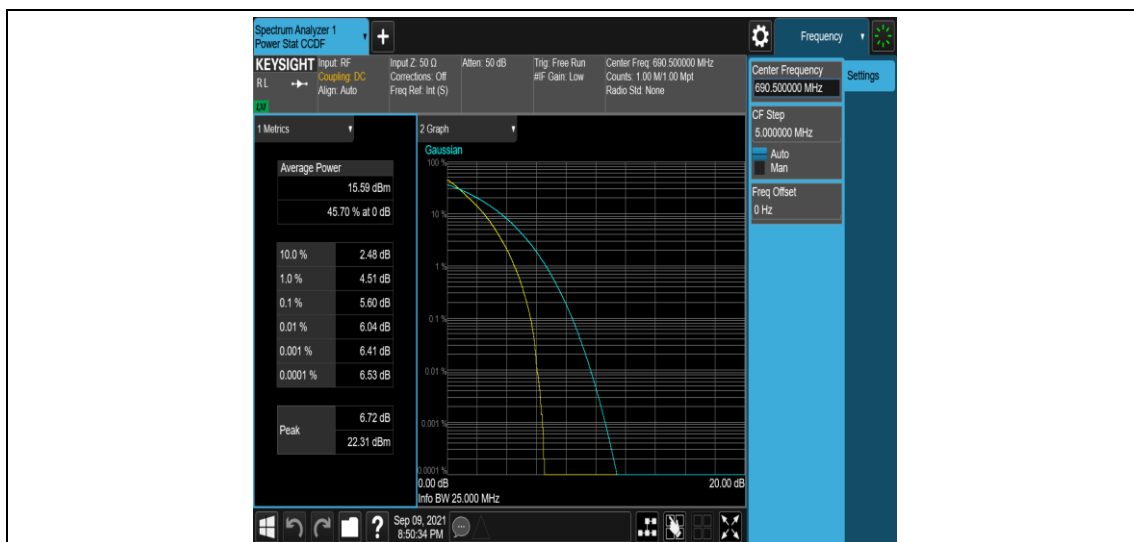


Band71-15MHz-QPSK-133197-1RB#0



Band71-15MHz-QPSK-133197-75RB#0





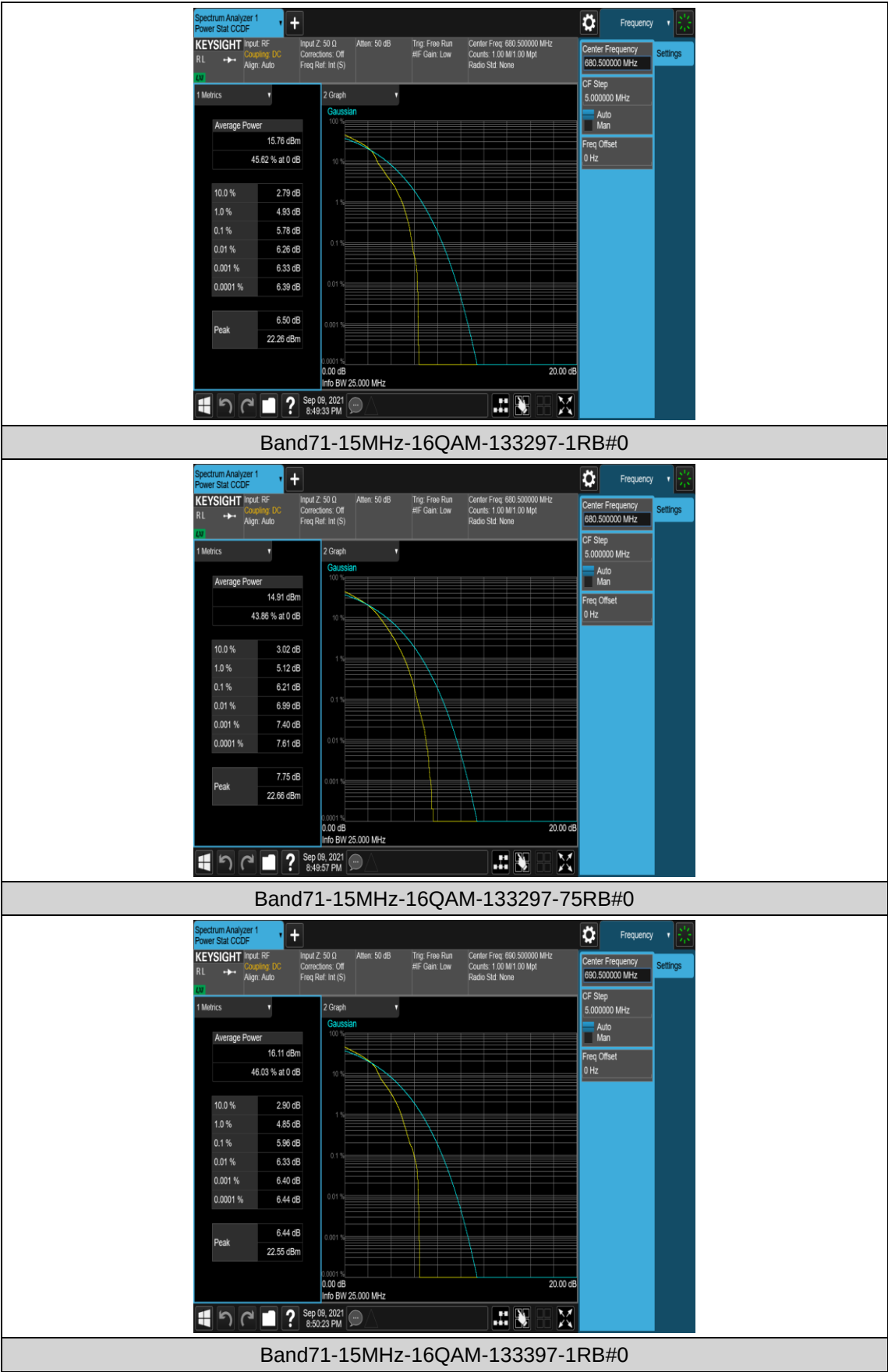
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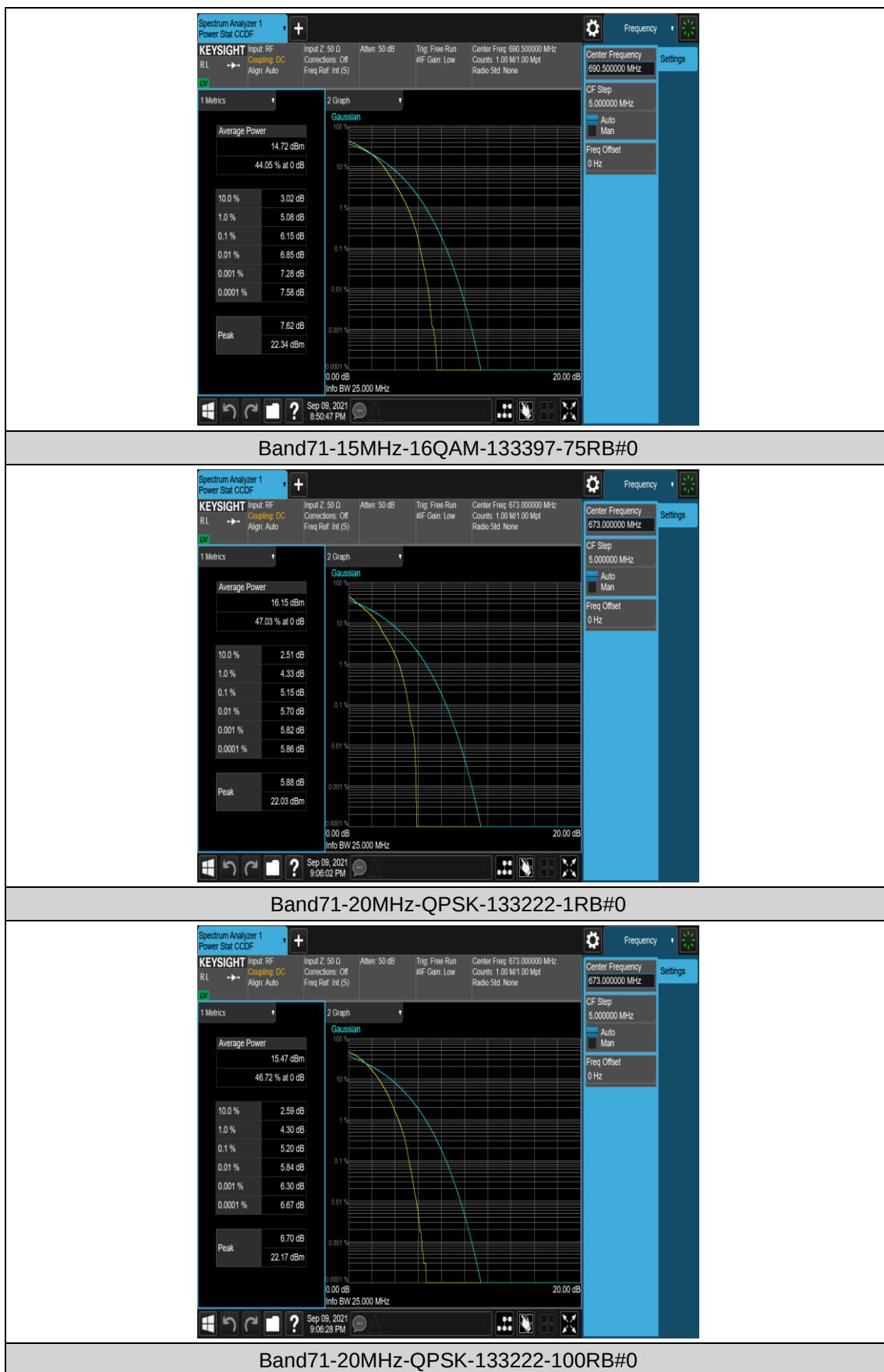


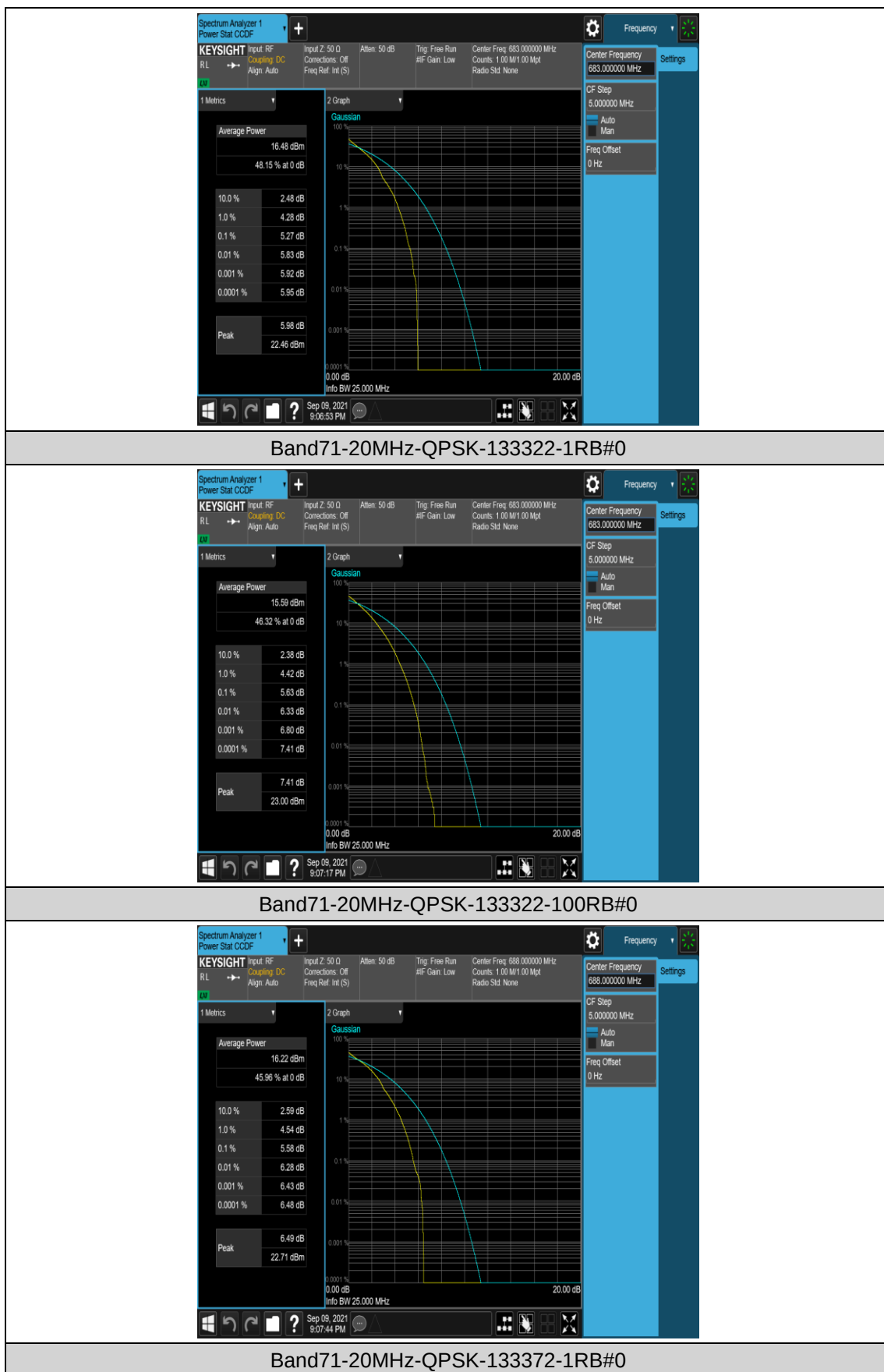
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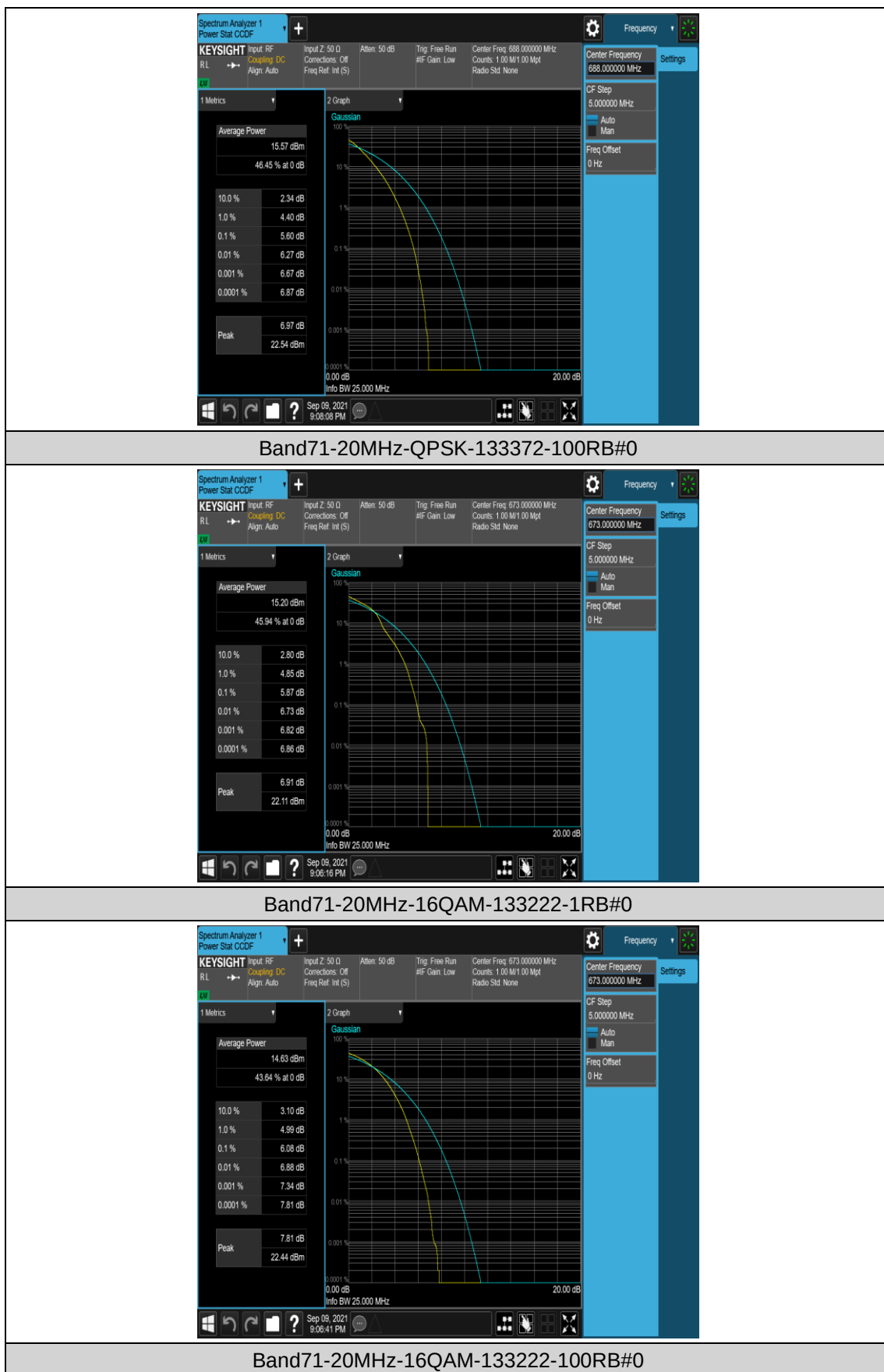


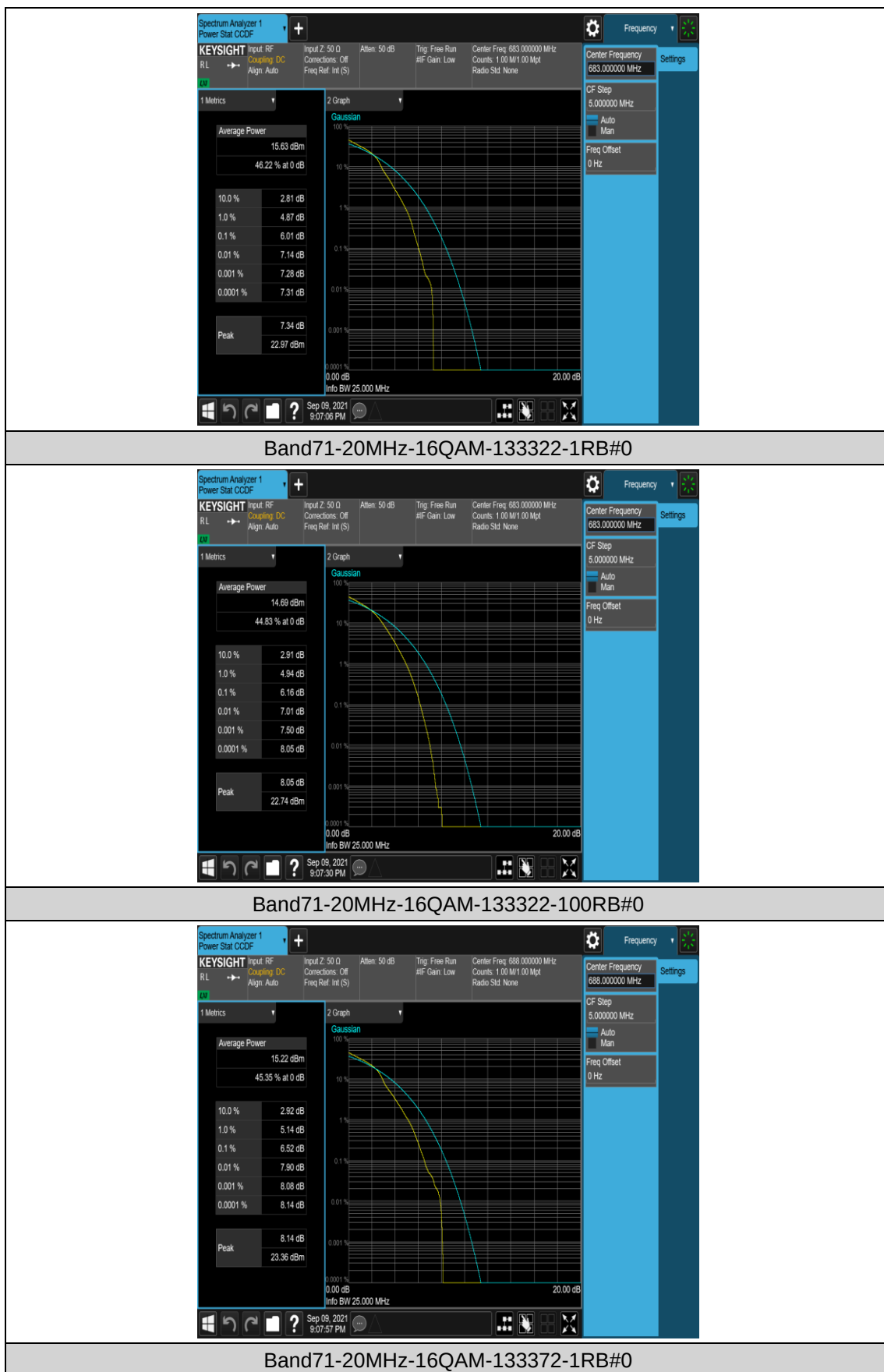
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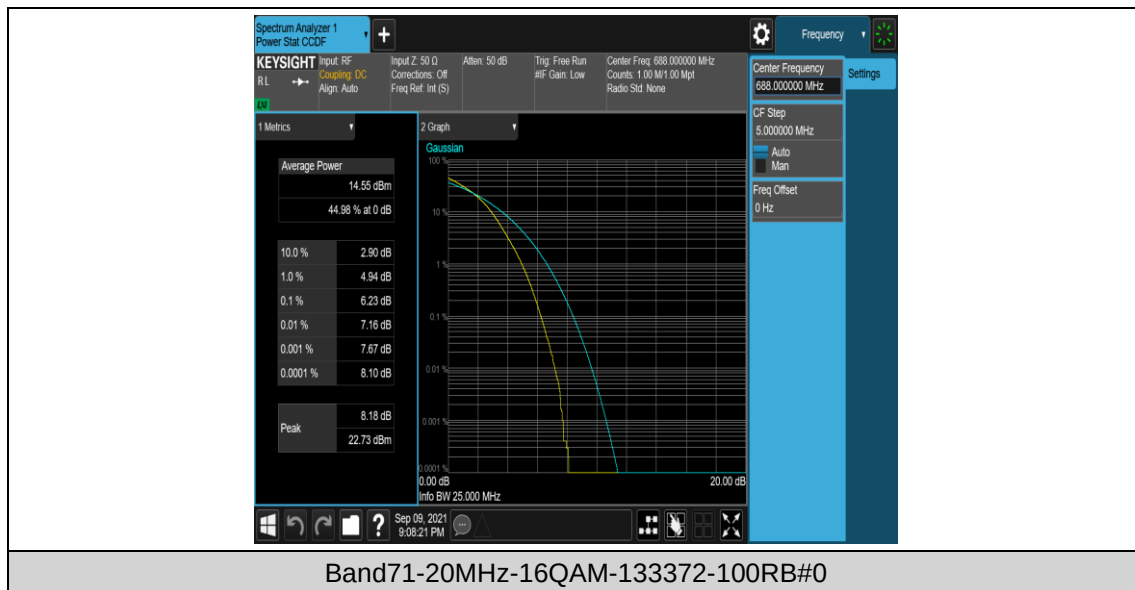












Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5120	5.083	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5142	5.134	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.4968	5.019	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5108	5.047	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5132	5.027	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5069	5.043	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9983	9.559	PASS
Band71	10MHz	QPSK	133297	50RB#0	9.0019	9.599	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9680	9.528	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9813	9.537	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9986	9.545	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9731	9.568	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.441	14.26	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.480	14.27	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.462	14.28	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.431	14.22	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.468	14.30	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.462	14.27	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.827	18.89	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.953	18.97	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.930	18.94	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.831	18.88	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.973	18.97	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.926	18.96	PASS

Test Graphs

