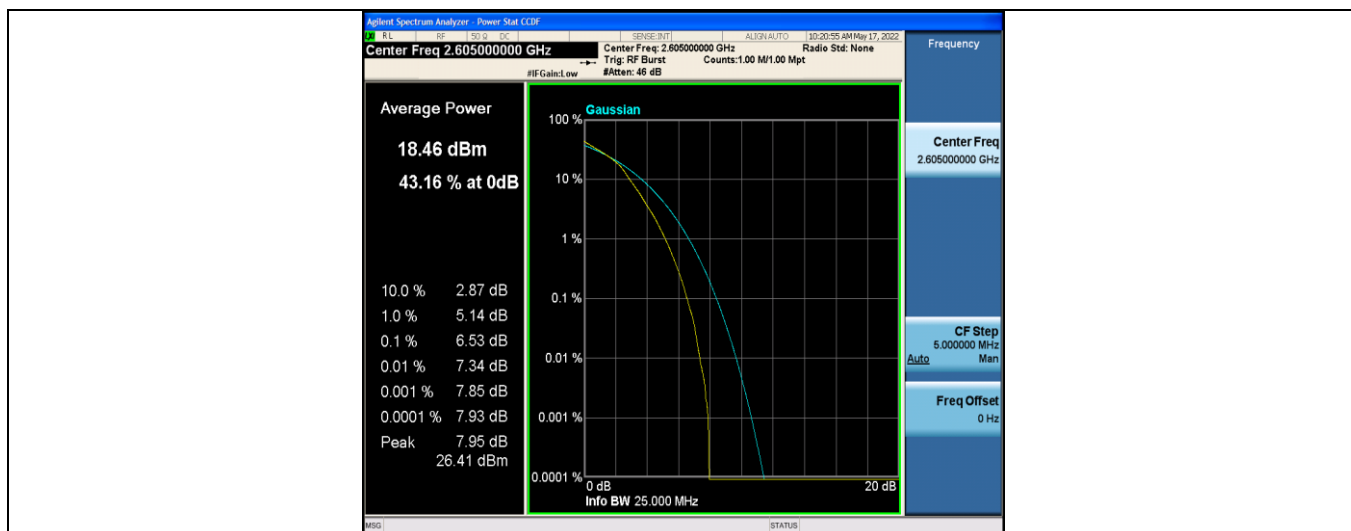
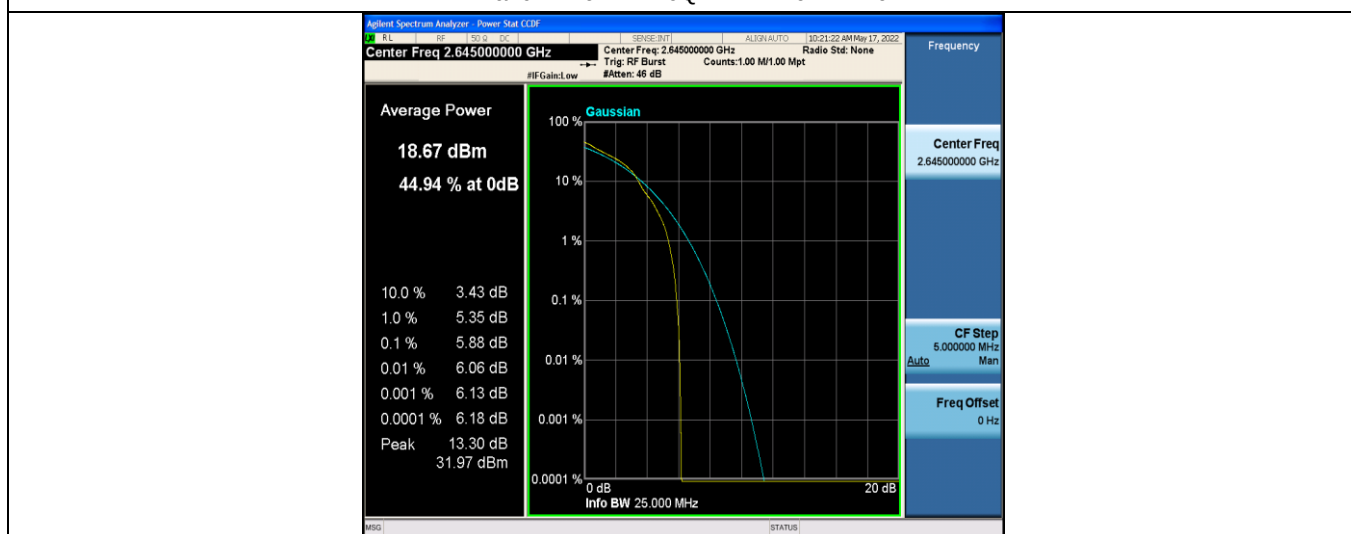
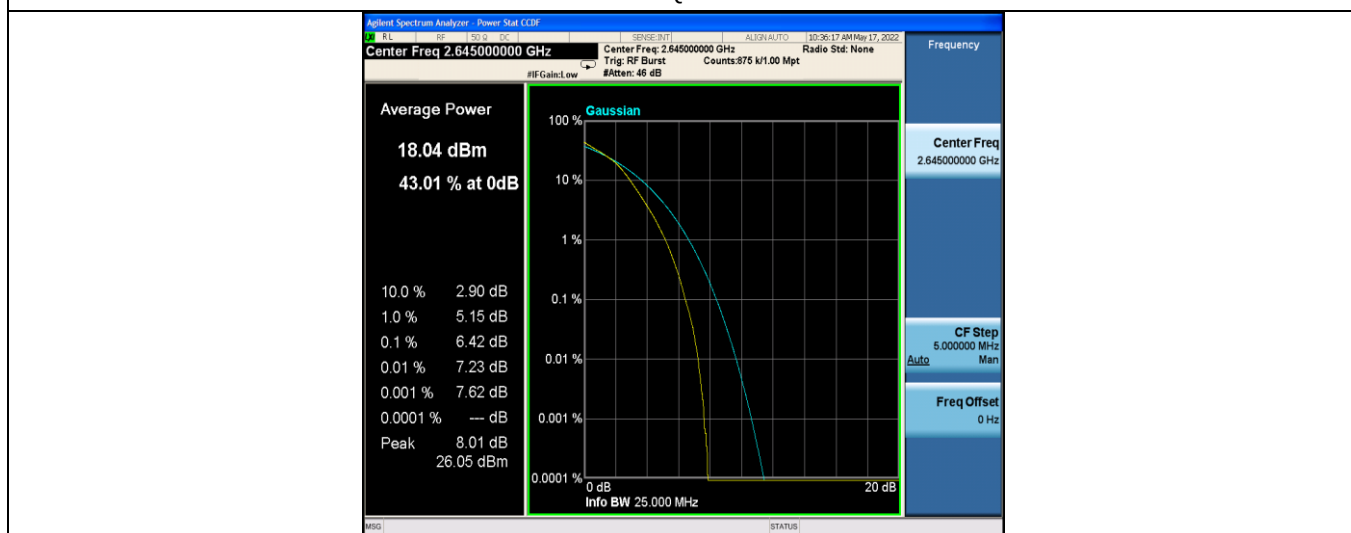




Band41-20MHz-16QAM-41140-1RB#0



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





5.4 99% and -26 dB Occupied Bandwidth

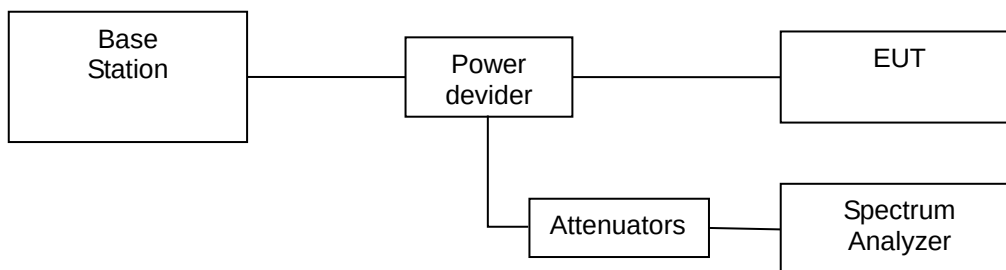
5.4.1 Limit

N/A

5.4.2 Test procedure

1. The EUT' RF output port was connected to Spectrum Analyzer and Base Station via power divider.
2. Spectrum analyzer's occupied bandwidth measure function was used to measure 99% bandwidth and -26dBc bandwidth

5.4.3 Test setup





5.4.4 Test results

Note1: all modes of RB configurations have been tested, and only worst configuration data listed.

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0988	1.280	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0968	1.301	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0909	1.285	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0923	1.275	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0876	1.279	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0991	1.297	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6844	2.878	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6912	2.898	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6929	2.902	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6796	2.907	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6840	2.899	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6829	2.909	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4903	4.917	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5008	4.956	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4998	4.942	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4740	4.892	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5094	5.297	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5060	4.922	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9613	9.780	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0250	11.68	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9256	9.720	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9666	9.667	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0035	11.03	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9389	9.704	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.4910	4.917	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4994	4.942	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5086	4.964	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4977	4.939	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5037	4.918	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4843	4.901	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9948	9.797	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9887	9.803	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9615	9.759	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9763	9.737	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9850	9.798	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9736	9.726	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.487	14.64	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.472	14.71	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.411	15.03	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.476	14.64	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.463	14.64	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.465	14.62	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.952	19.27	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.949	19.63	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.907	19.34	PASS

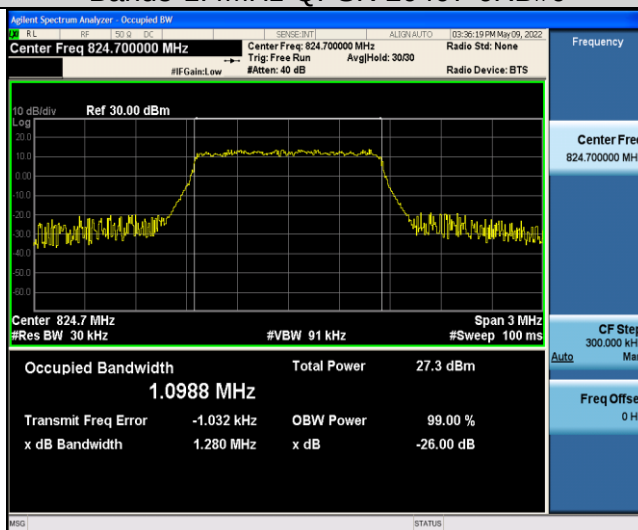


Band7	20MHz	16QAM	20850	100RB#0	17.963	19.40	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.925	19.34	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.898	19.43	PASS
Band38	5MHz	QPSK	37775	25RB#0	4.4934	5.061	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5093	5.073	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4927	4.932	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4903	4.920	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4933	5.055	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4946	5.181	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9855	10.65	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9909	10.48	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9794	9.822	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9766	9.853	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9954	10.30	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9674	10.10	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.492	15.33	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.470	15.18	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.456	15.04	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.477	15.30	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.514	16.65	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.512	14.99	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.949	20.08	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.928	20.23	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.930	19.35	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.956	19.78	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.934	19.87	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.963	21.58	PASS
Band41	5MHz	QPSK	40265	25RB#0	4.4899	4.989	PASS
Band41	5MHz	QPSK	40740	25RB#0	4.4938	5.132	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.5060	5.204	PASS
Band41	5MHz	16QAM	40265	25RB#0	4.4941	5.233	PASS
Band41	5MHz	16QAM	40740	25RB#0	4.4931	4.947	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.4890	5.155	PASS
Band41	10MHz	QPSK	40290	50RB#0	8.9870	9.877	PASS
Band41	10MHz	QPSK	40740	50RB#0	9.0017	11.01	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.9732	10.40	PASS
Band41	10MHz	16QAM	40290	50RB#0	8.9616	9.783	PASS
Band41	10MHz	16QAM	40740	50RB#0	8.9817	10.64	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.9514	9.934	PASS
Band41	15MHz	QPSK	40315	75RB#0	13.508	15.34	PASS
Band41	15MHz	QPSK	40740	75RB#0	13.439	15.69	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.445	15.13	PASS
Band41	15MHz	16QAM	40315	75RB#0	13.489	15.80	PASS
Band41	15MHz	16QAM	40740	75RB#0	13.521	16.27	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.481	15.33	PASS
Band41	20MHz	QPSK	40340	100RB#0	17.936	20.02	PASS
Band41	20MHz	QPSK	40740	100RB#0	17.929	20.63	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.914	19.36	PASS
Band41	20MHz	16QAM	40340	100RB#0	17.917	20.03	PASS
Band41	20MHz	16QAM	40740	100RB#0	17.921	19.33	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.934	20.84	PASS

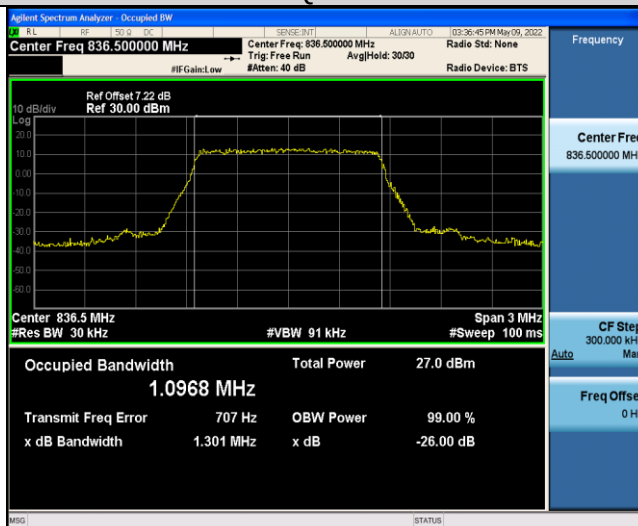


Test plots

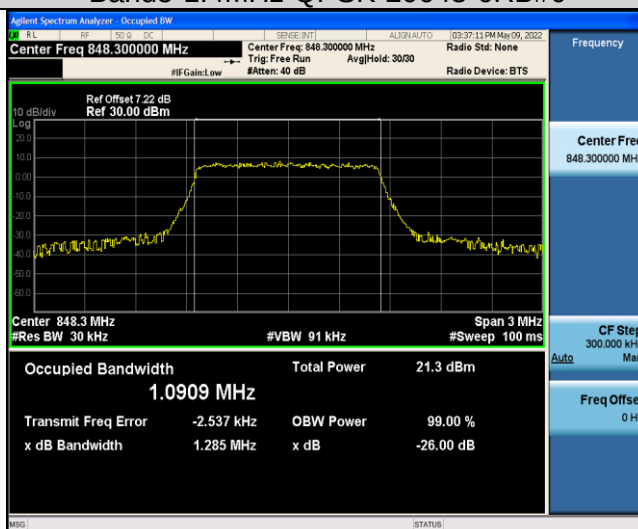
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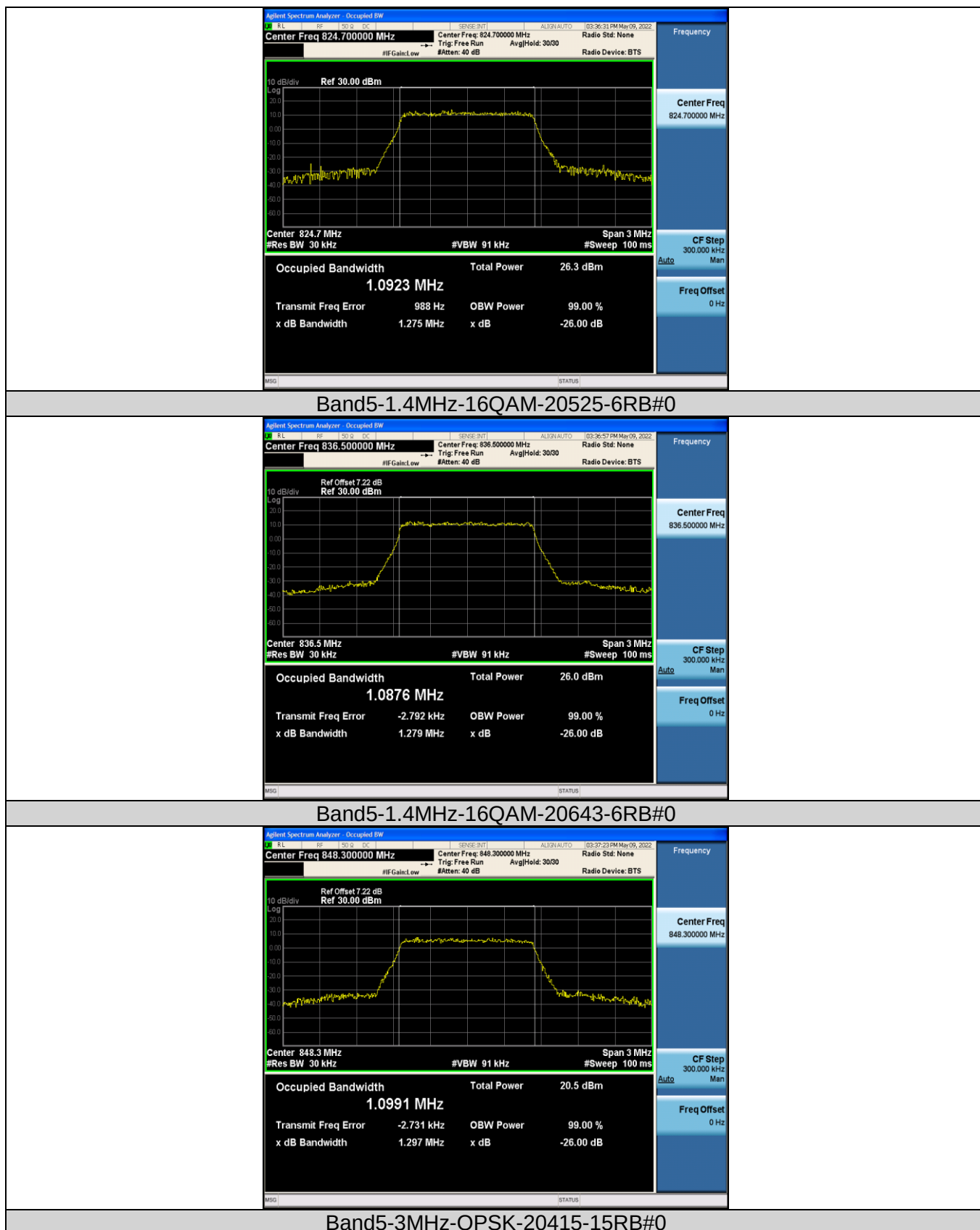
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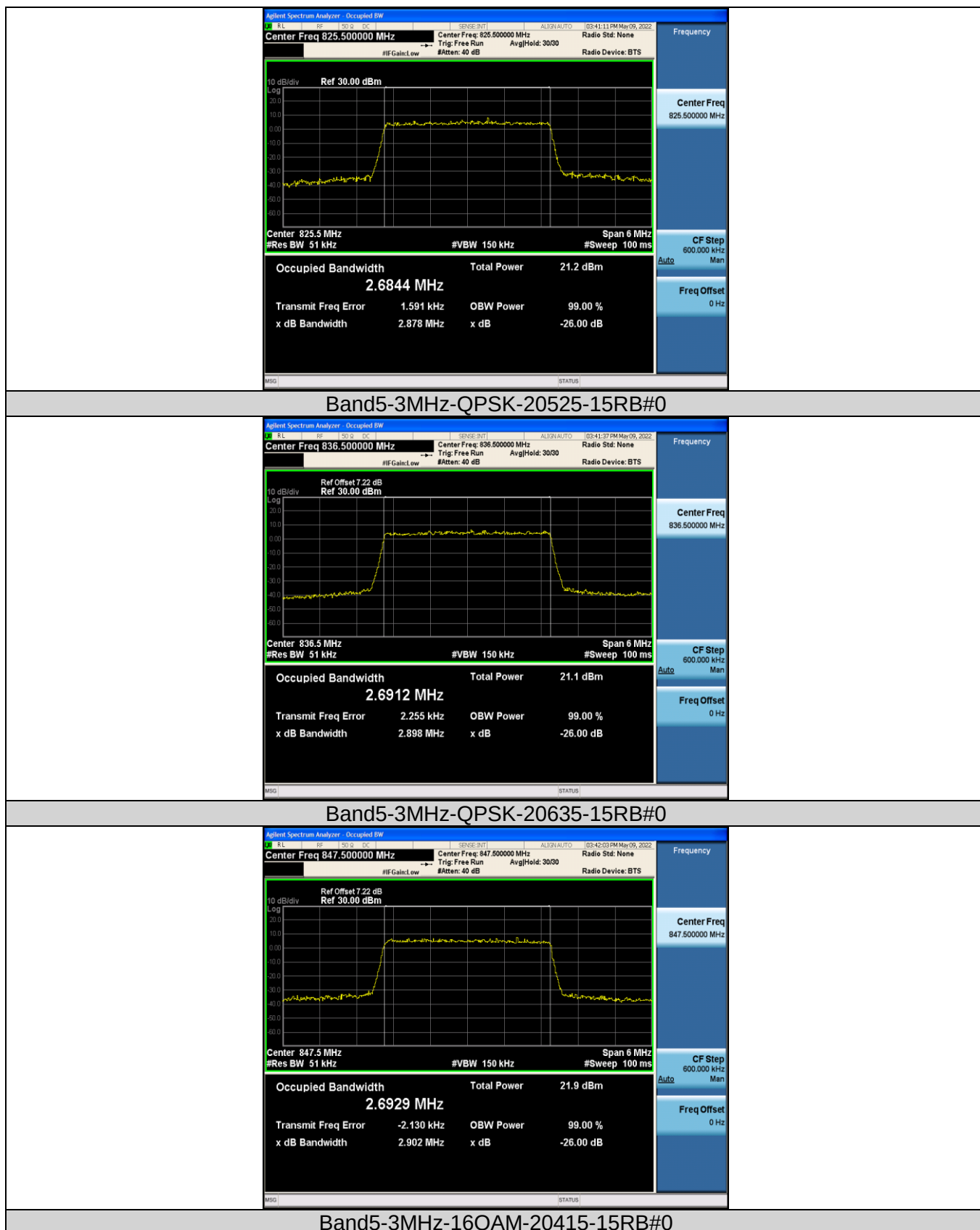


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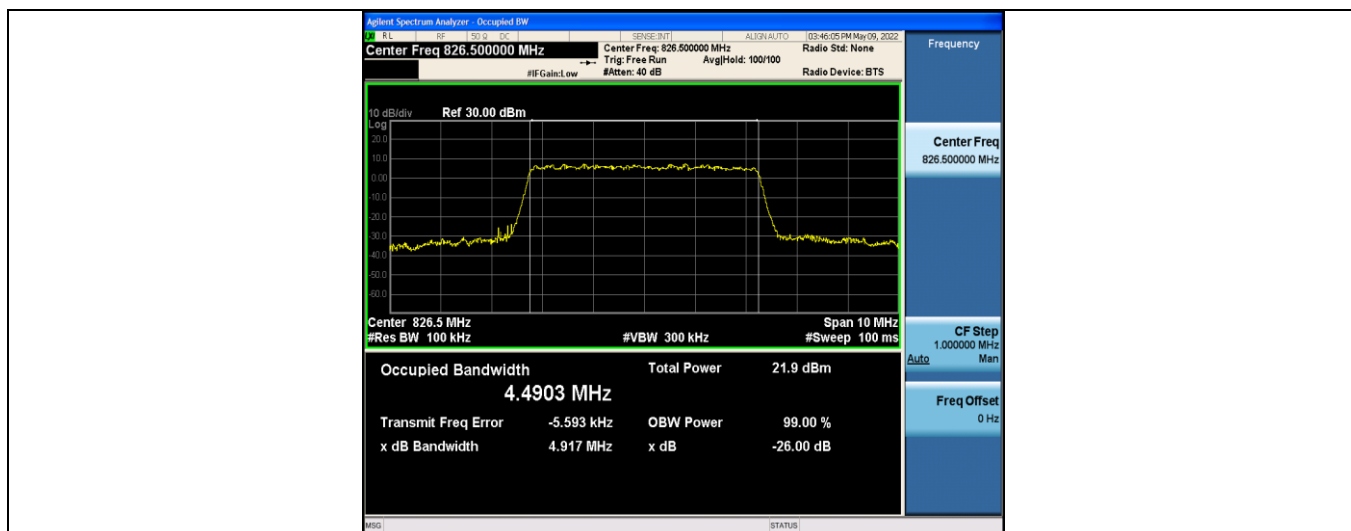


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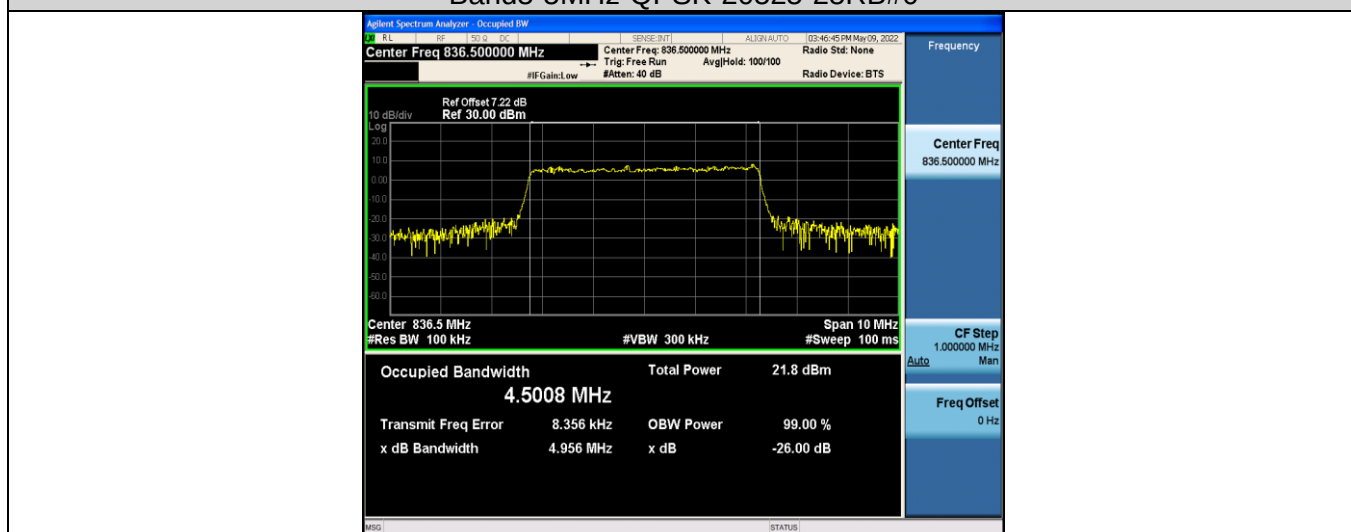




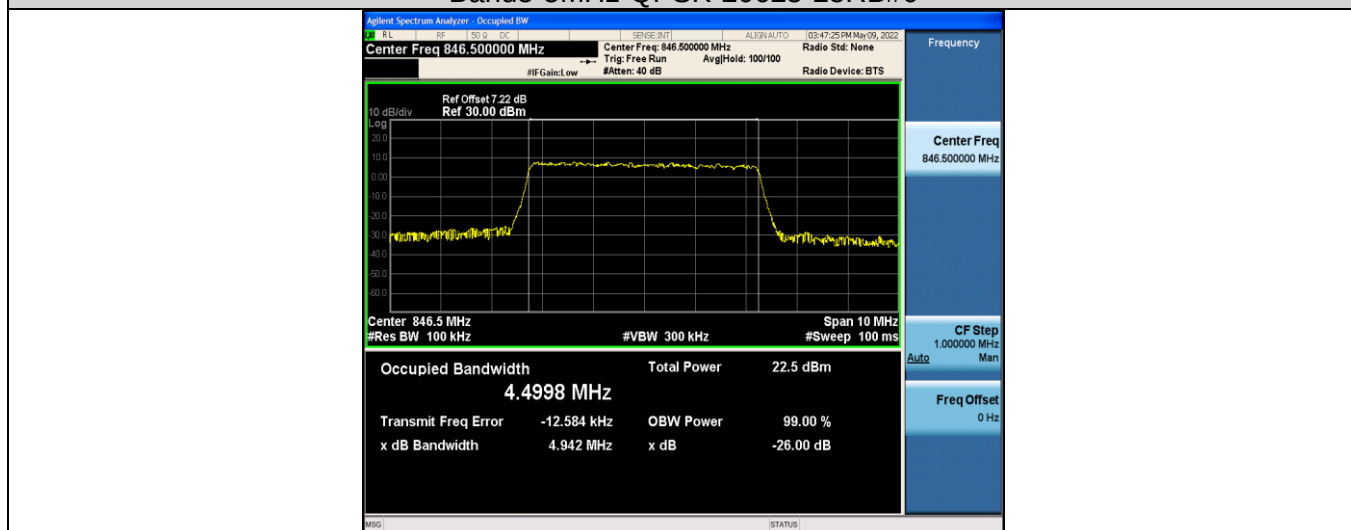




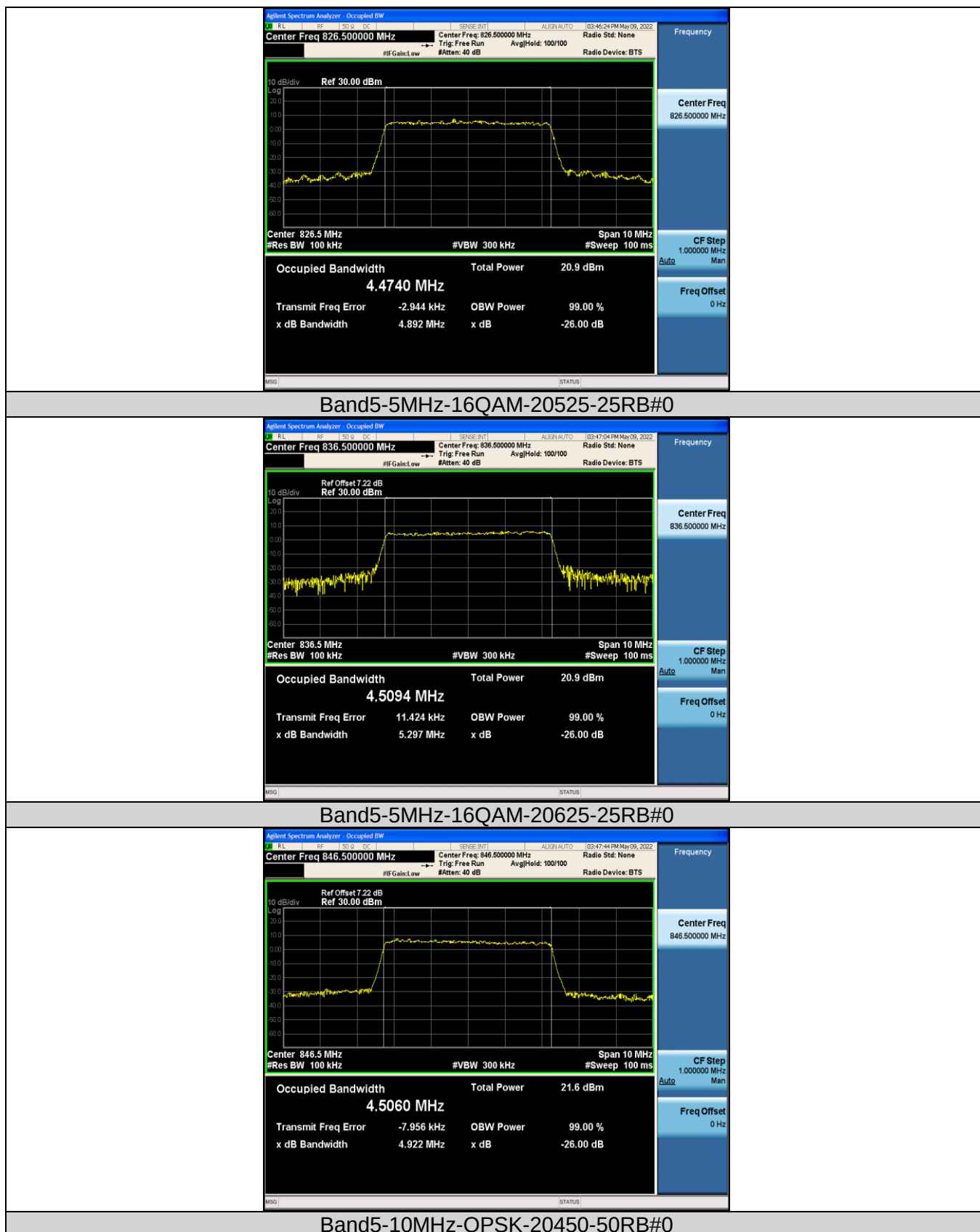
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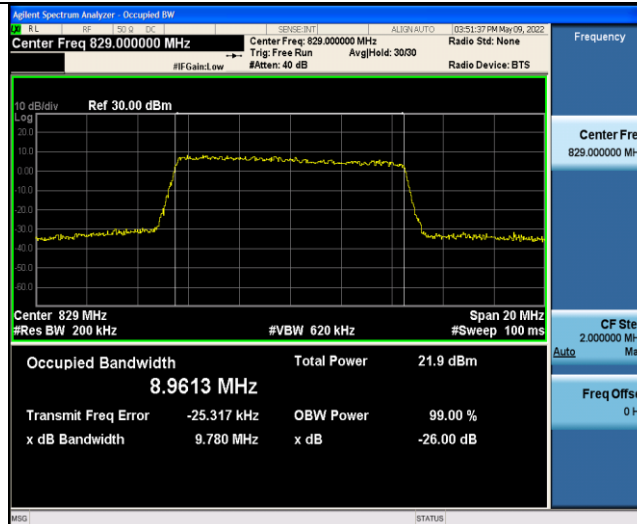


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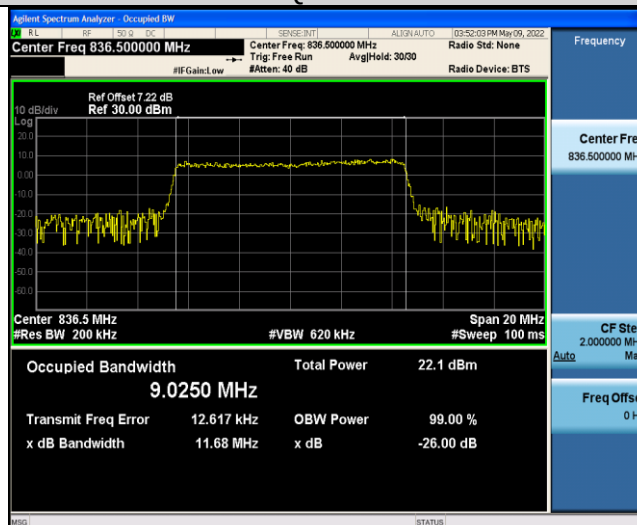


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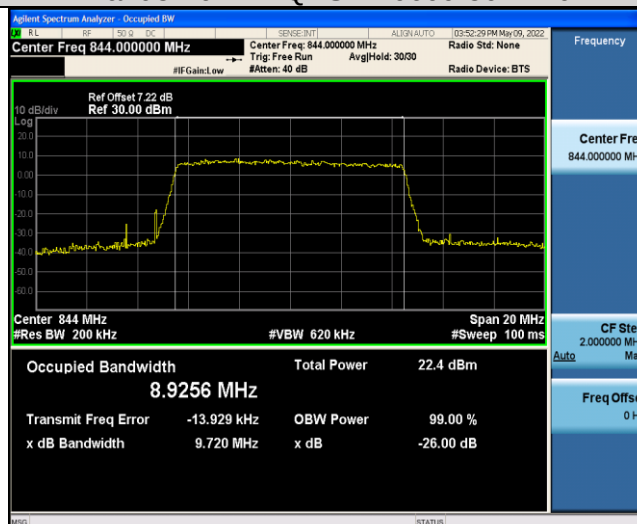




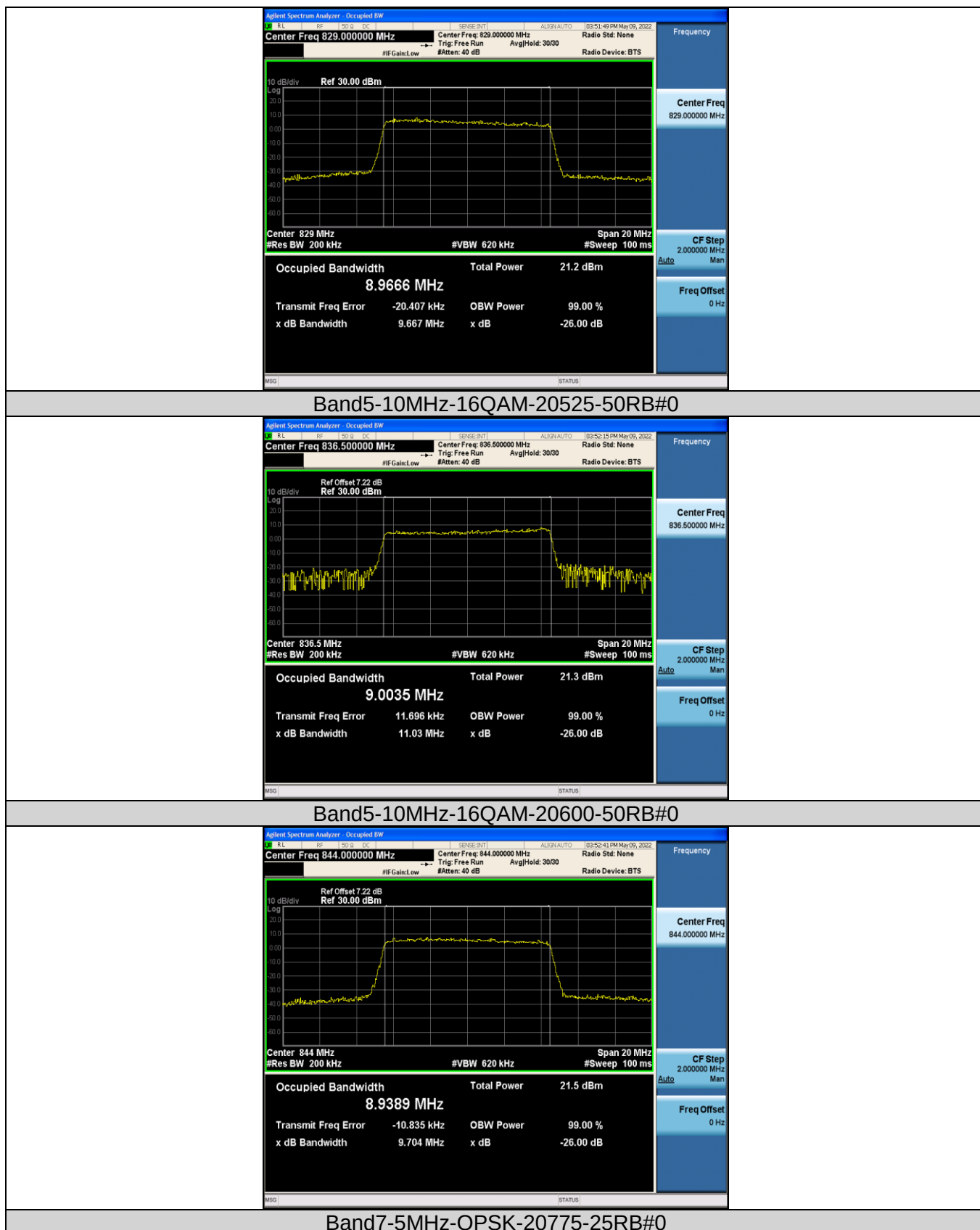
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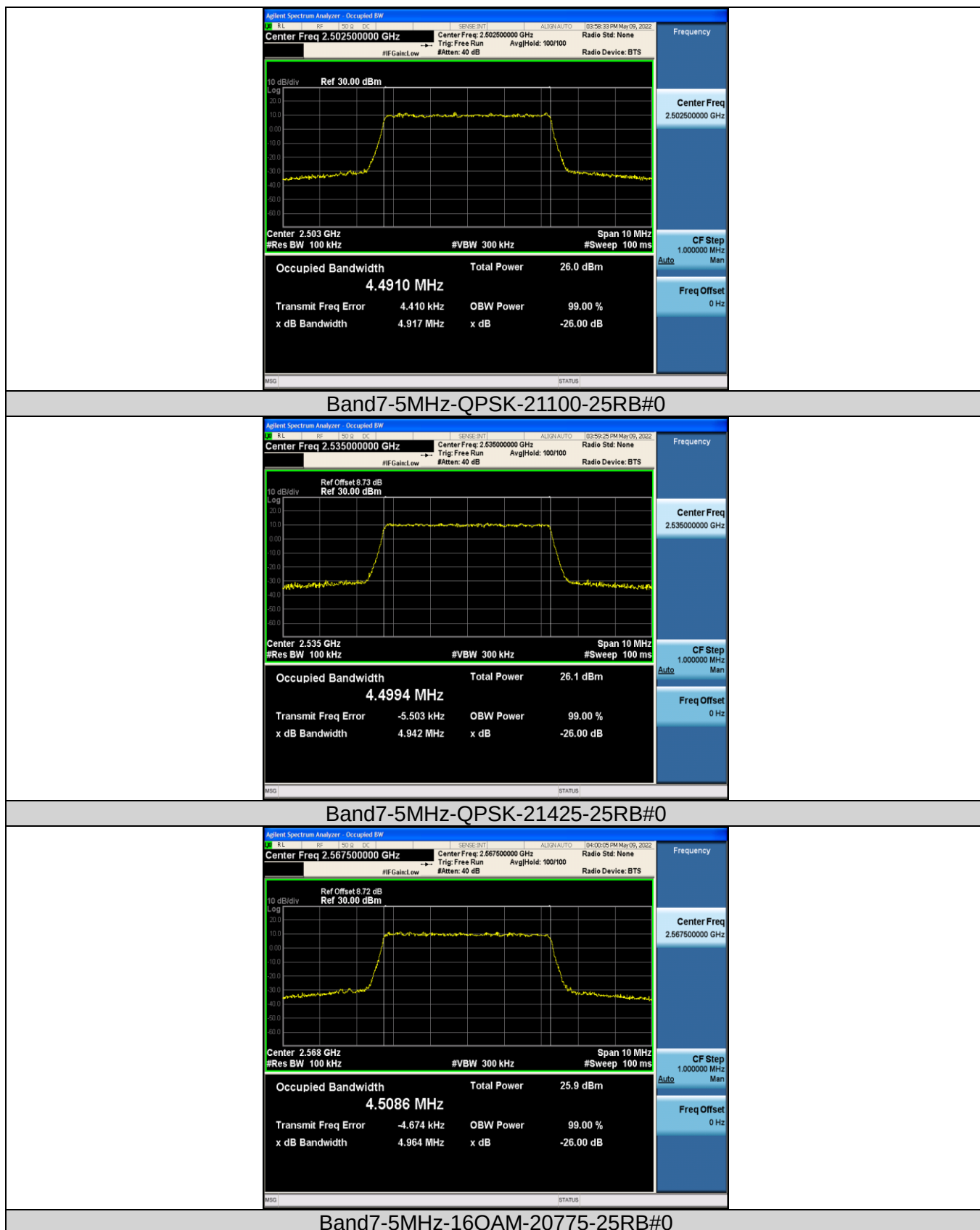


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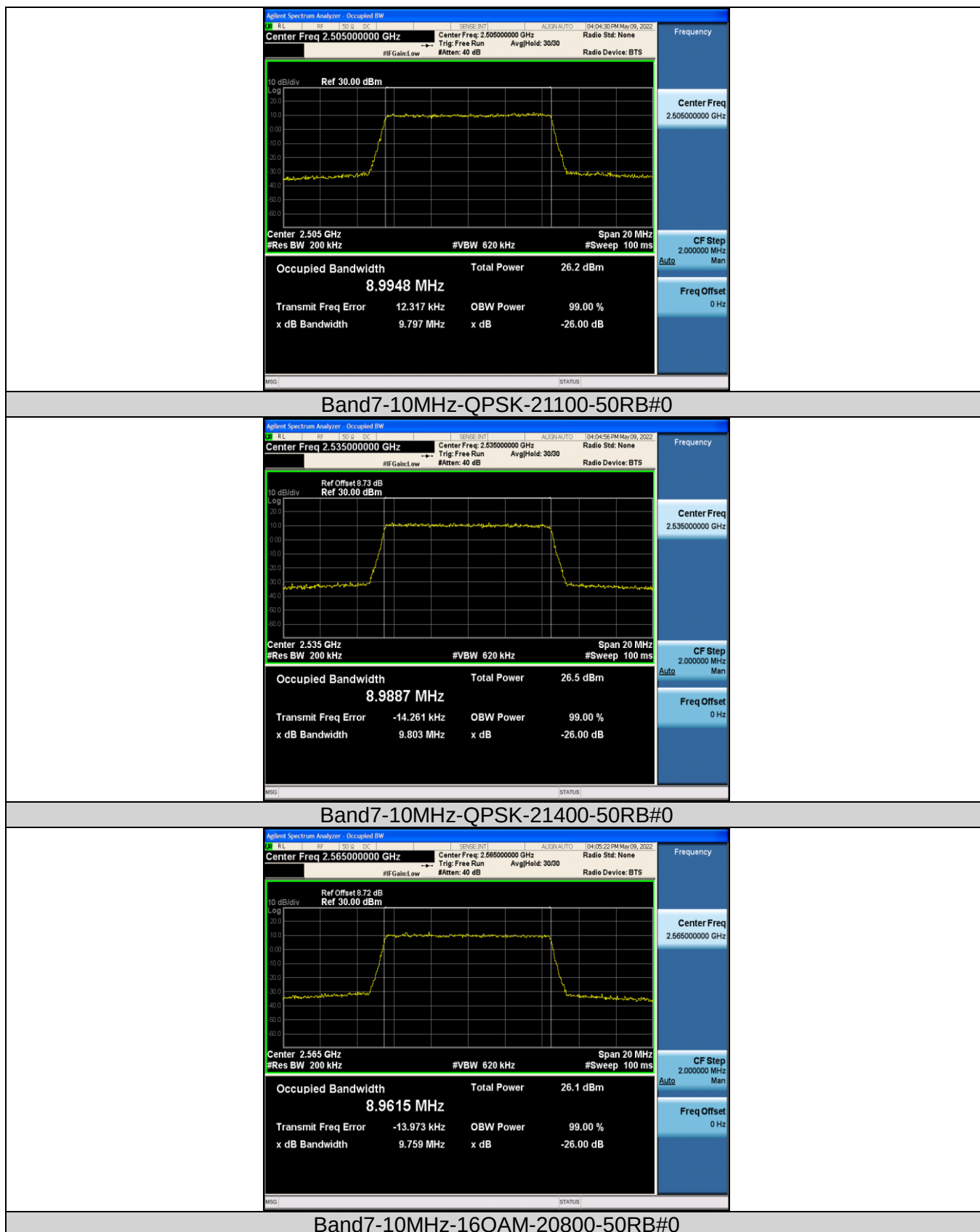


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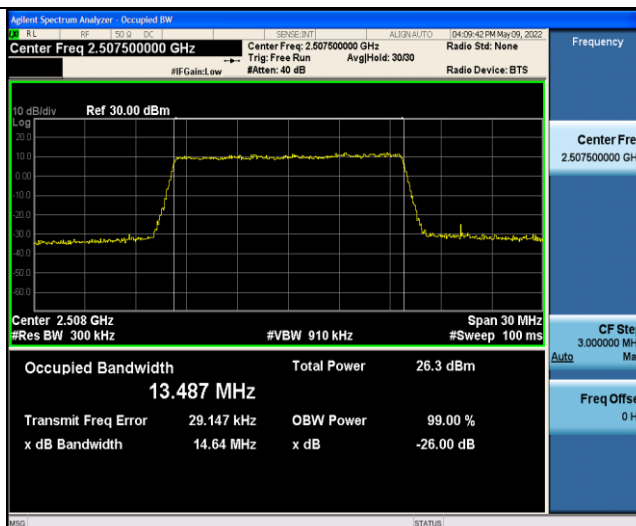




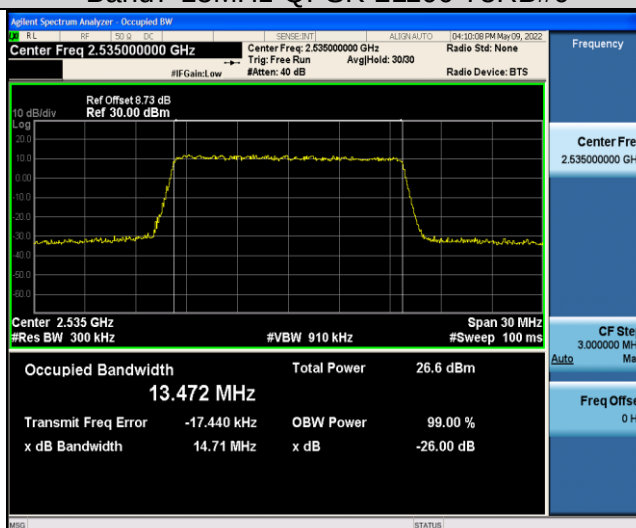




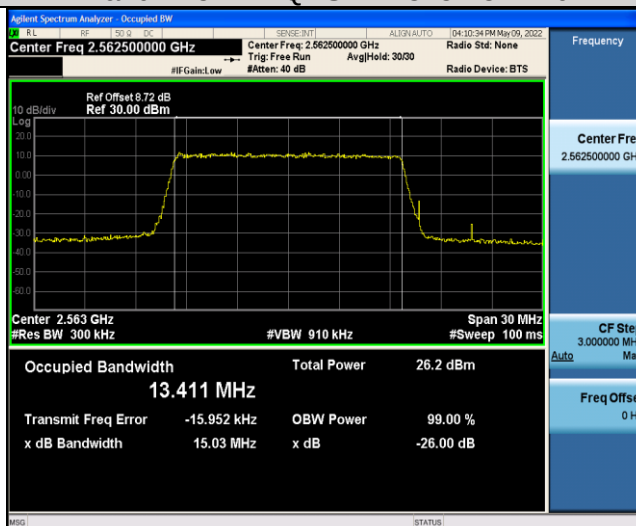




Band7-15MHz-QPSK-21100-75RB#0

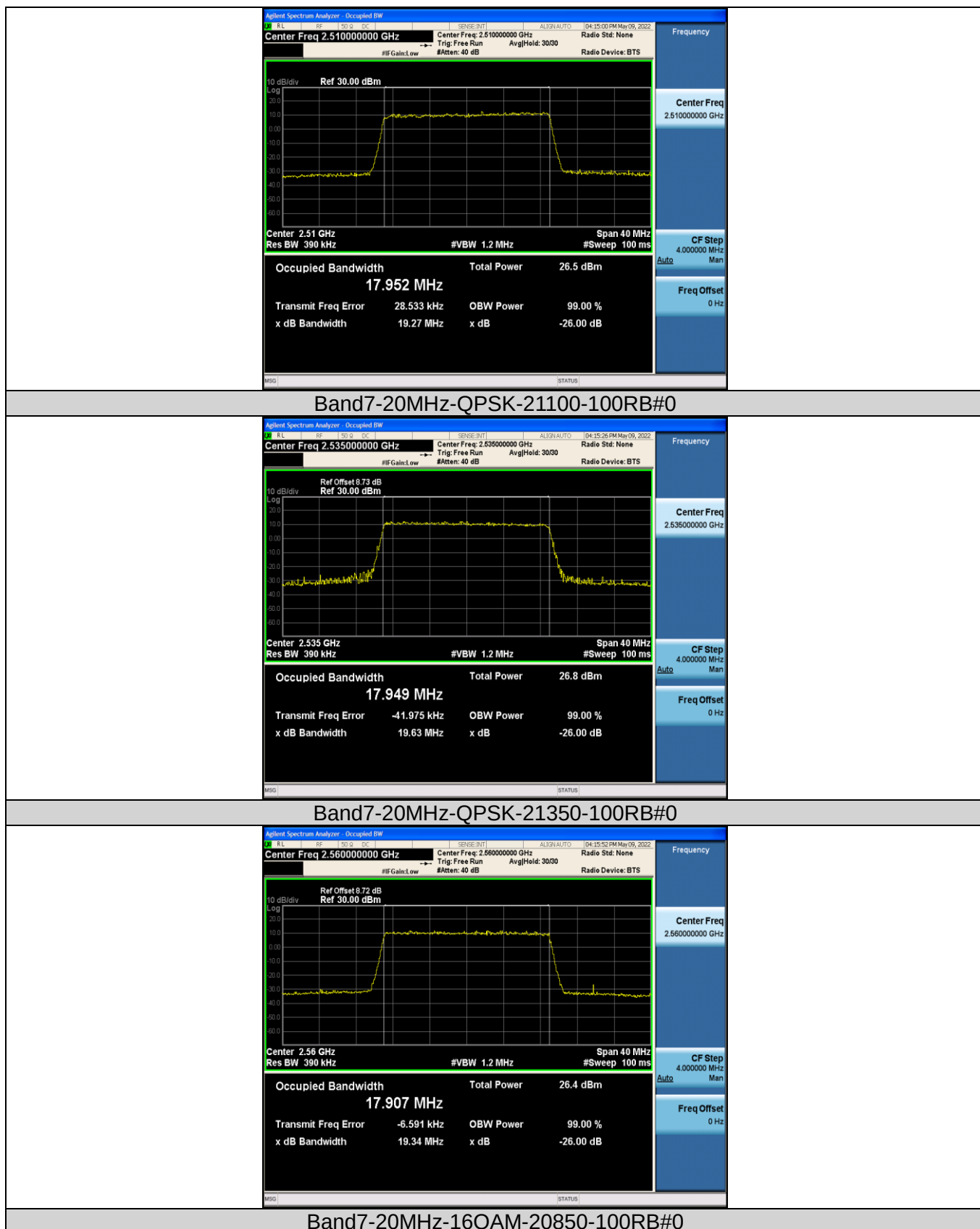


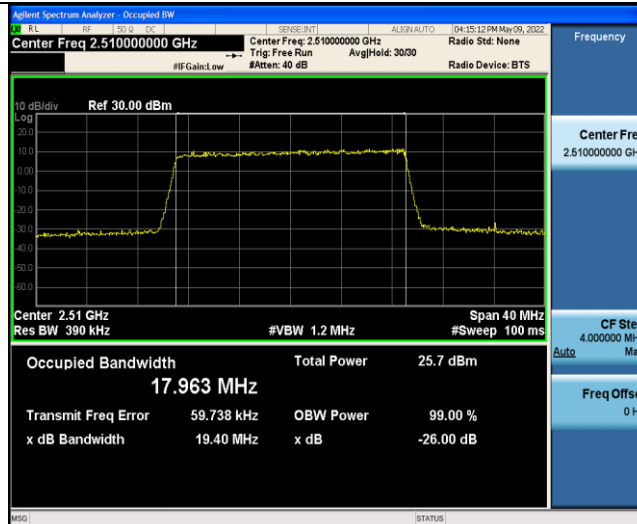
Band7-15MHz-QPSK-21375-75RB#0



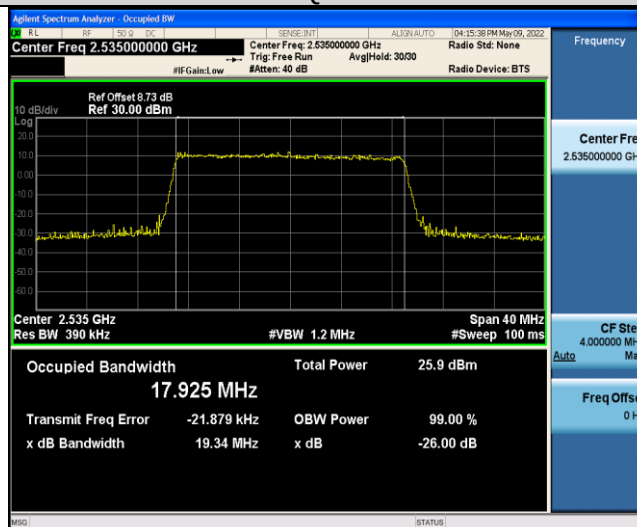
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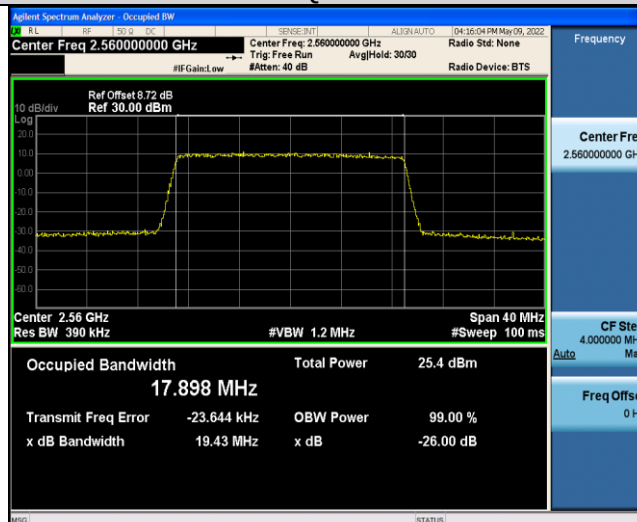




Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0



Band38-5MHz-QPSK-37775-25RB#0

