APPENDIX REPORT

Project No.	SHT2005099309EW	Radio Specification	LTE
Test sample No.	YPHT20050993037	Model No.	TE590P
Start test date	2020/7/10	Finish date	2020/7/16
Temperature	25°C	Humidity	50%
Test Engineer	Jess He	Auditor	William.wang

Appendix clause	Test item	Result
A	Conducted Output Power	PASS
B	Peak-to-Average Ratio	PASS
C	26 dB Bandwidth and Occupied Bandwidth	PASS
D	Band edge	PASS
E	Conducted Spurious Emission	PASS
F	Frequency Stability	PASS

8.1 Appendix A: Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	23.74	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.85	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23.72	PASS
Band26	1.4MHz	QPSK	26697	3RB#0	23.82	PASS
Band26	1.4MHz	QPSK	26697	3RB#1	23.82	PASS
Band26	1.4MHz	QPSK	26697	3RB#3	23.83	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.87	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	23.82	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.96	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.81	PASS
Band26	1.4MHz	QPSK	26740	3RB#0	23.90	PASS
Band26	1.4MHz	QPSK	26740	3RB#1	23.90	PASS
Band26	1.4MHz	QPSK	26740	3RB#3	23.90	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.91	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.80	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23.94	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.82	PASS
Band26	1.4MHz	QPSK	26783	3RB#0	23.88	PASS
Band26	1.4MHz	QPSK	26783	3RB#1	23.90	PASS
Band26	1.4MHz	QPSK	26783	3RB#3	23.94	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.93	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.91	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	23.08	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.90	PASS
Band26	1.4MHz	16QAM	26697	3RB#0	22.76	PASS
Band26	1.4MHz	16QAM	26697	3RB#1	22.78	PASS
Band26	1.4MHz	16QAM	26697	3RB#3	22.79	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.88	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	23.07	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	23.18	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	23.01	PASS
Band26	1.4MHz	16QAM	26740	3RB#0	22.86	PASS
Band26	1.4MHz	16QAM	26740	3RB#1	22.89	PASS

Band26	1.4MHz	16QAM	26740	3RB#3	22.88	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.88	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	23.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	23.15	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.97	PASS
Band26	1.4MHz	16QAM	26783	3RB#0	22.86	PASS
Band26	1.4MHz	16QAM	26783	3RB#1	22.85	PASS
Band26	1.4MHz	16QAM	26783	3RB#3	22.87	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.84	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.86	PASS
Band26	3MHz	QPSK	26705	1RB#8	23.83	PASS
Band26	3MHz	QPSK	26705	1RB#14	23.86	PASS
Band26	3MHz	QPSK	26705	8RB#0	22.88	PASS
Band26	3MHz	QPSK	26705	8RB#4	22.88	PASS
Band26	3MHz	QPSK	26705	8RB#7	22.89	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.82	PASS
Band26	3MHz	QPSK	26740	1RB#0	23.82	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.84	PASS
Band26	3MHz	QPSK	26740	1RB#14	23.86	PASS
Band26	3MHz	QPSK	26740	8RB#0	22.87	PASS
Band26	3MHz	QPSK	26740	8RB#4	22.86	PASS
Band26	3MHz	QPSK	26740	8RB#7	22.88	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.90	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.84	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.81	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.80	PASS
Band26	3MHz	QPSK	26775	8RB#0	22.88	PASS
Band26	3MHz	QPSK	26775	8RB#4	22.89	PASS
Band26	3MHz	QPSK	26775	8RB#7	22.89	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.88	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.78	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.83	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.86	PASS
Band26	3MHz	16QAM	26705	8RB#0	21.91	PASS
Band26	3MHz	16QAM	26705	8RB#4	21.90	PASS
Band26	3MHz	16QAM	26705	8RB#7	21.90	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.77	PASS
Band26	3MHz	16QAM	26740	1RB#0	23.11	PASS
Band26	3MHz	16QAM	26740	1RB#8	23.06	PASS

Band26	3MHz	16QAM	26740	1RB#14	23.10	PASS
Band26	3MHz	16QAM	26740	8RB#0	21.95	PASS
Band26	3MHz	16QAM	26740	8RB#4	21.95	PASS
Band26	3MHz	16QAM	26740	8RB#7	21.95	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.92	PASS
Band26	3MHz	16QAM	26775	1RB#0	23.11	PASS
Band26	3MHz	16QAM	26775	1RB#8	23.01	PASS
Band26	3MHz	16QAM	26775	1RB#14	23.06	PASS
Band26	3MHz	16QAM	26775	8RB#0	21.93	PASS
Band26	3MHz	16QAM	26775	8RB#4	21.94	PASS
Band26	3MHz	16QAM	26775	8RB#7	21.91	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.83	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.71	PASS
Band26	5MHz	QPSK	26715	1RB#12	23.90	PASS
Band26	5MHz	QPSK	26715	1RB#24	23.83	PASS
Band26	5MHz	QPSK	26715	12RB#0	22.87	PASS
Band26	5MHz	QPSK	26715	12RB#6	22.90	PASS
Band26	5MHz	QPSK	26715	12RB#13	22.86	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.88	PASS
Band26	5MHz	QPSK	26740	1RB#0	23.77	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.95	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.85	PASS
Band26	5MHz	QPSK	26740	12RB#0	22.89	PASS
Band26	5MHz	QPSK	26740	12RB#6	22.87	PASS
Band26	5MHz	QPSK	26740	12RB#13	22.88	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.93	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.80	PASS
Band26	5MHz	QPSK	26765	1RB#12	23.91	PASS
Band26	5MHz	QPSK	26765	1RB#24	23.78	PASS
Band26	5MHz	QPSK	26765	12RB#0	22.82	PASS
Band26	5MHz	QPSK	26765	12RB#6	22.85	PASS
Band26	5MHz	QPSK	26765	12RB#13	22.91	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.89	PASS
Band26	5MHz	16QAM	26715	1RB#0	22.98	PASS
Band26	5MHz	16QAM	26715	1RB#12	23.12	PASS
Band26	5MHz	16QAM	26715	1RB#24	23.12	PASS
Band26	5MHz	16QAM	26715	12RB#0	21.93	PASS
Band26	5MHz	16QAM	26715	12RB#6	21.93	PASS
Band26	5MHz	16QAM	26715	12RB#13	21.88	PASS

Band26	5MHz	16QAM	26715	25RB#0	21.87	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.86	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.98	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.88	PASS
Band26	5MHz	16QAM	26740	12RB#0	21.88	PASS
Band26	5MHz	16QAM	26740	12RB#6	21.90	PASS
Band26	5MHz	16QAM	26740	12RB#13	21.94	PASS
Band26	5MHz	16QAM	26740	25RB#0	22.01	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.88	PASS
Band26	5MHz	16QAM	26765	1RB#12	23.00	PASS
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Band26	5MHz	16QAM	26765	12RB#0	21.86	PASS
Band26	5MHz	16QAM	26765	12RB#6	21.82	PASS
Band26	5MHz	16QAM	26765	12RB#13	21.86	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.92	PASS
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Band26	10MHz	QPSK	26740	1RB#24	23.94	PASS
Band26	10MHz	QPSK	26740	1RB#49	23.83	PASS
Band26	10MHz	QPSK	26740	25RB#0	22.99	PASS
Band26	10MHz	QPSK	26740	25RB#12	23.00	PASS
Band26	10MHz	QPSK	26740	25RB#25	23.01	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.96	PASS
Band26	10MHz	16QAM	26740	1RB#0	23.24	PASS
Band26	10MHz	16QAM	26740	1RB#24	23.14	PASS
Band26	10MHz	16QAM	26740	1RB#49	23.16	PASS
Band26	10MHz	16QAM	26740	25RB#0	22.04	PASS
Band26	10MHz	16QAM	26740	25RB#12	22.05	PASS
Band26	10MHz	16QAM	26740	25RB#25	22.03	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.97	PASS
Band26	15MHz	QPSK	26765	1RB#0	23.68	PASS
Band26	15MHz	QPSK	26765	1RB#38	23.89	PASS
Band26	15MHz	QPSK	26765	1RB#74	23.76	PASS
Band26	15MHz	QPSK	26765	38RB#0	22.63	PASS
Band26	15MHz	QPSK	26765	38RB#18	22.86	PASS
Band26	15MHz	QPSK	26765	38RB#37	22.73	PASS
Band26	15MHz	QPSK	26765	75RB#0	22.94	PASS
Band26	15MHz	16QAM	26765	1RB#0	22.62	PASS
Band26	15MHz	16QAM	26765	1RB#38	22.85	PASS
Band26	15MHz	16QAM	26765	1RB#74	22.70	PASS

Band26	15MHz	16QAM	26765	38RB#0	22.60	PASS
Band26	15MHz	16QAM	26765	38RB#18	22.88	PASS
Band26	15MHz	16QAM	26765	38RB#37	22.71	PASS
Band26	15MHz	16QAM	26765	75RB#0	21.88	PASS

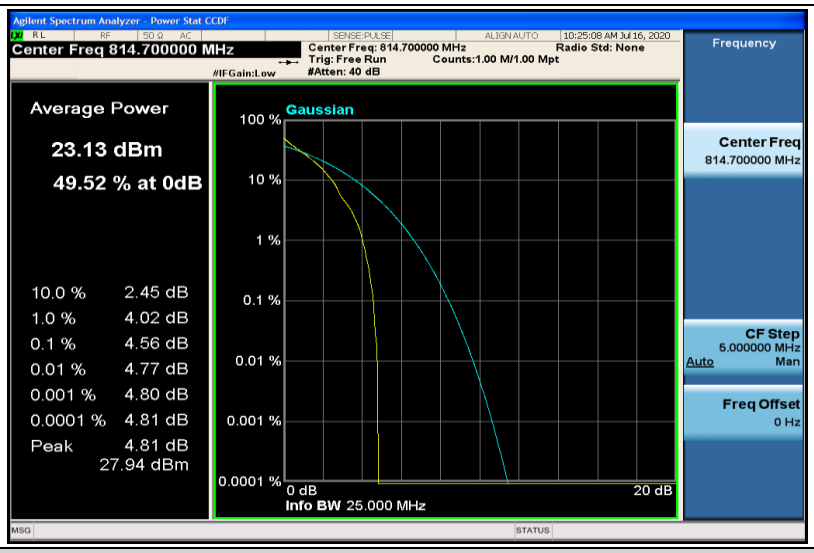
8.2 Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	4.56	13	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	5.29	13	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	4.73	13	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	5.41	13	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	4.67	13	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	5.20	13	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	5.20	13	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	6.06	13	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	5.45	13	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	6.17	13	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	5.26	13	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	6.07	13	PASS
Band26	3MHz	QPSK	26705	1RB#0	4.60	13	PASS
Band26	3MHz	QPSK	26705	15RB#0	5.45	13	PASS
Band26	3MHz	QPSK	26740	1RB#0	5.04	13	PASS
Band26	3MHz	QPSK	26740	15RB#0	5.51	13	PASS
Band26	3MHz	QPSK	26775	1RB#0	4.51	13	PASS
Band26	3MHz	QPSK	26775	15RB#0	5.24	13	PASS
Band26	3MHz	16QAM	26705	1RB#0	5.56	13	PASS
Band26	3MHz	16QAM	26705	15RB#0	6.28	13	PASS
Band26	3MHz	16QAM	26740	1RB#0	5.93	13	PASS
Band26	3MHz	16QAM	26740	15RB#0	6.31	13	PASS
Band26	3MHz	16QAM	26775	1RB#0	5.33	13	PASS
Band26	3MHz	16QAM	26775	15RB#0	6.11	13	PASS
Band26	5MHz	QPSK	26715	1RB#0	4.78	13	PASS
Band26	5MHz	QPSK	26715	25RB#0	5.61	13	PASS
Band26	5MHz	QPSK	26740	1RB#0	5.00	13	PASS
Band26	5MHz	QPSK	26740	25RB#0	5.59	13	PASS
Band26	5MHz	QPSK	26765	1RB#0	5.28	13	PASS
Band26	5MHz	QPSK	26765	25RB#0	5.42	13	PASS
Band26	5MHz	16QAM	26715	1RB#0	5.35	13	PASS
Band26	5MHz	16QAM	26715	25RB#0	6.36	13	PASS
Band26	5MHz	16QAM	26740	1RB#0	5.48	13	PASS
Band26	5MHz	16QAM	26740	25RB#0	6.26	13	PASS
Band26	5MHz	16QAM	26765	1RB#0	5.67	13	PASS
Band26	5MHz	16QAM	26765	25RB#0	6.15	13	PASS
Band26	10MHz	QPSK	26740	1RB#0	4.75	13	PASS
Band26	10MHz	QPSK	26740	50RB#0	5.65	13	PASS

Band26	10MHz	16QAM	26740	1RB#0	5.69	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	6.44	13	PASS
Band26	15MHz	QPSK	26765	1RB#0	4.88	13	PASS
Band26	15MHz	QPSK	26765	75RB#0	5.88	13	PASS
Band26	15MHz	16QAM	26765	1RB#0	5.74	13	PASS
Band26	15MHz	16QAM	26765	75RB#0	6.42	13	PASS

Test Graphs



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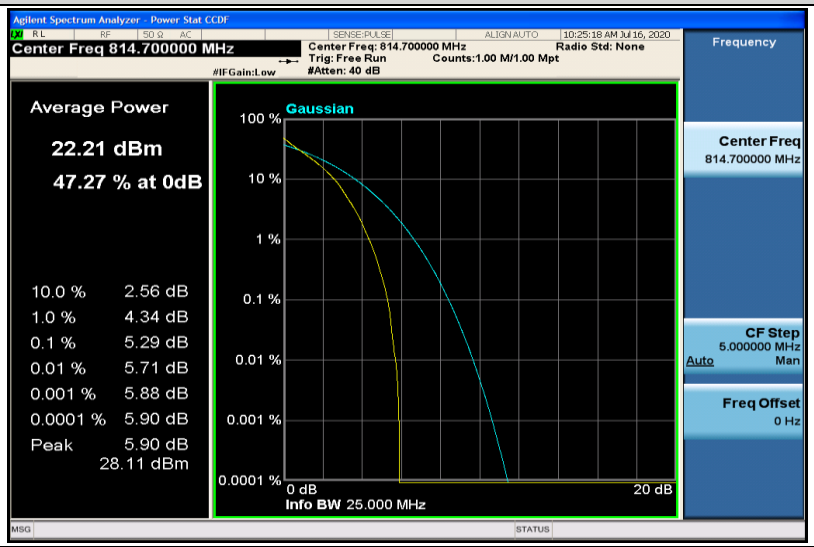

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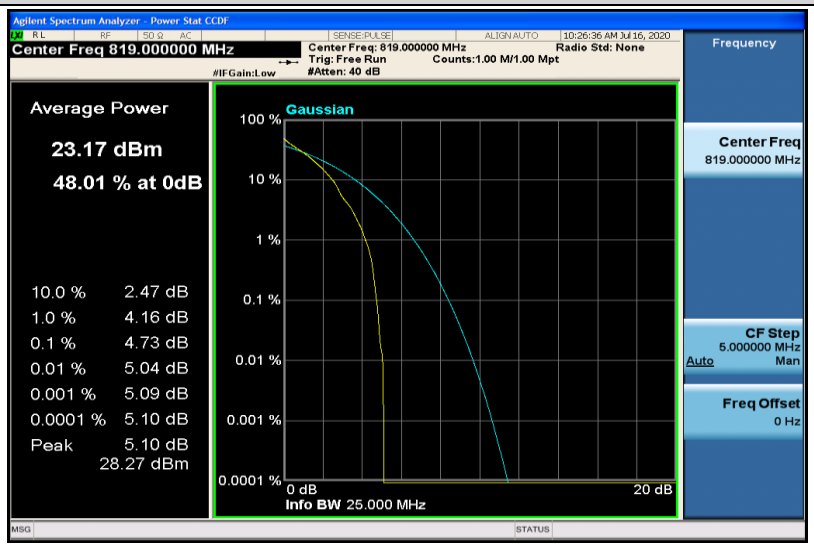

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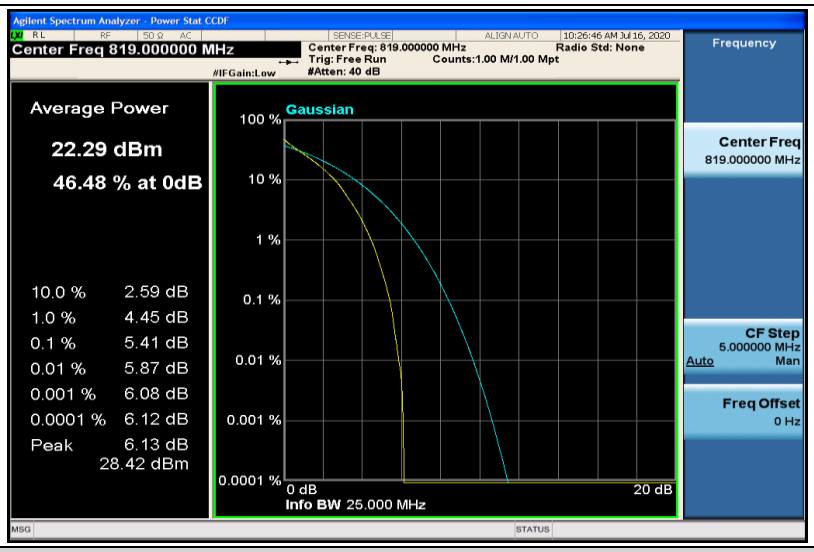

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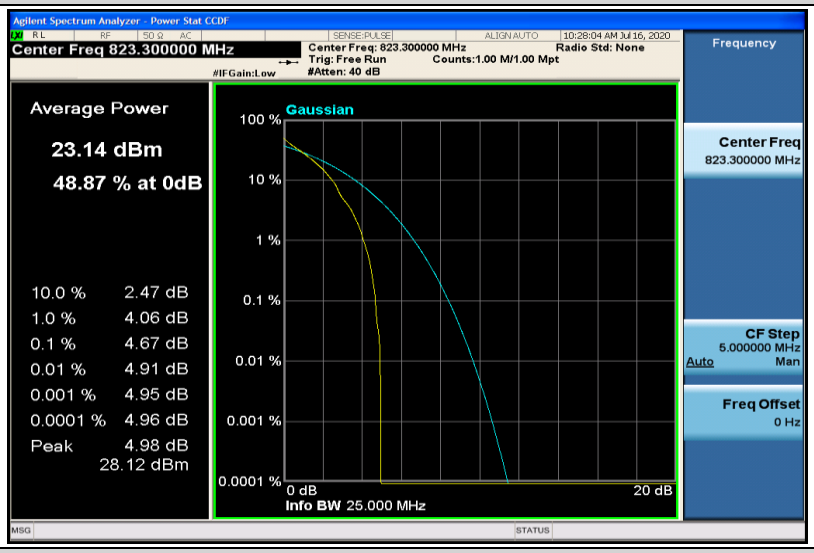
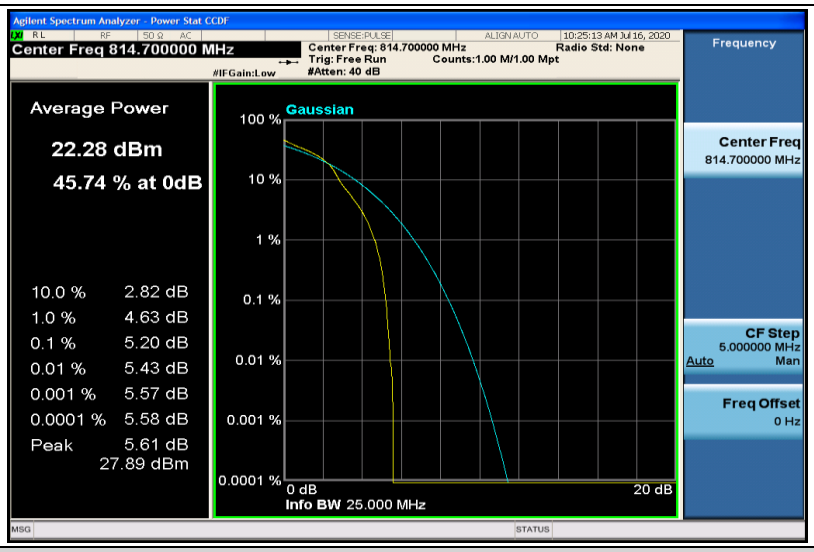
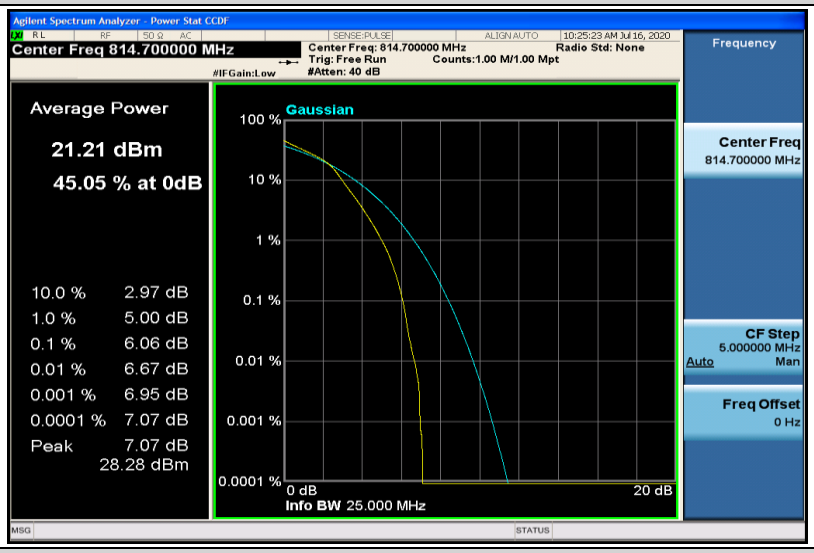


Band26-1.4MHz-QPSK-26783-1RB#0

Band26-1.4MHz-QPSK-26783-6RB#0



Band26-1.4MHz-16QAM-26697-1RB#0



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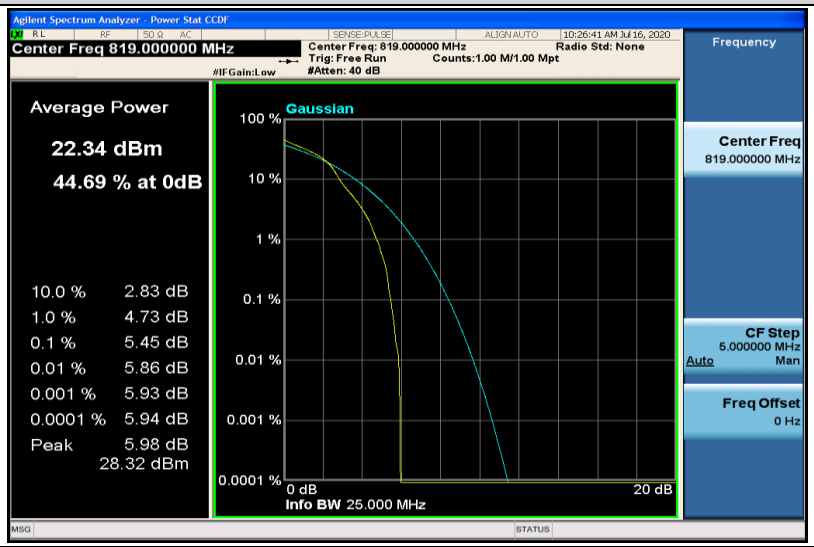

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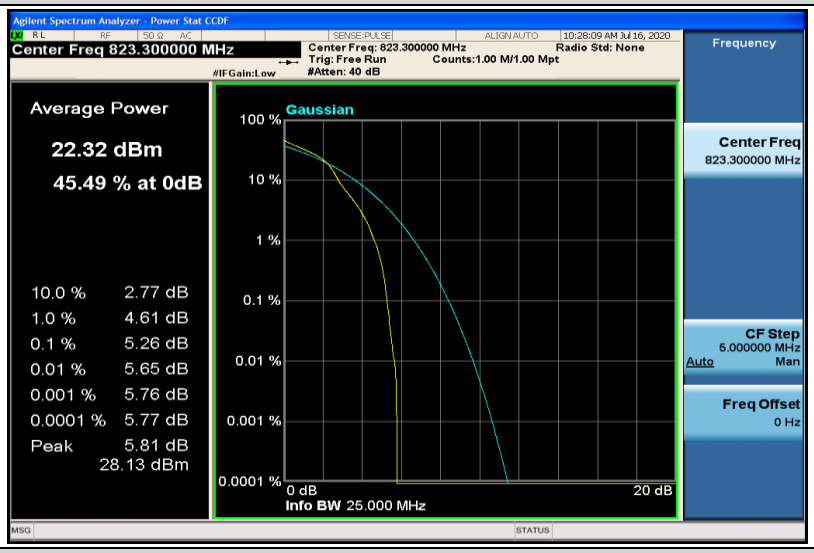

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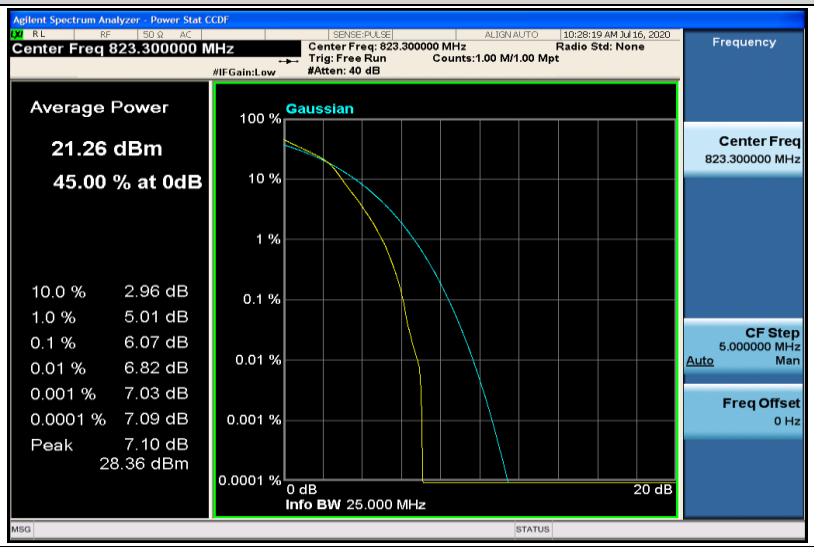

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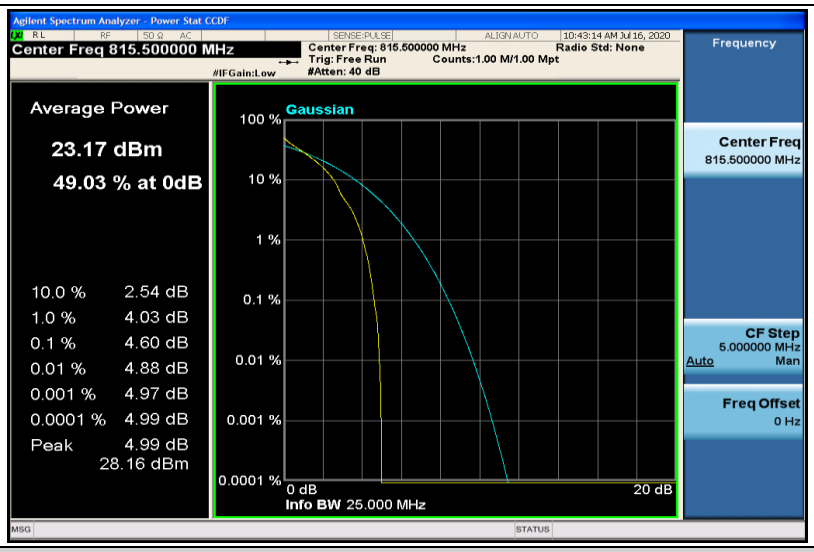

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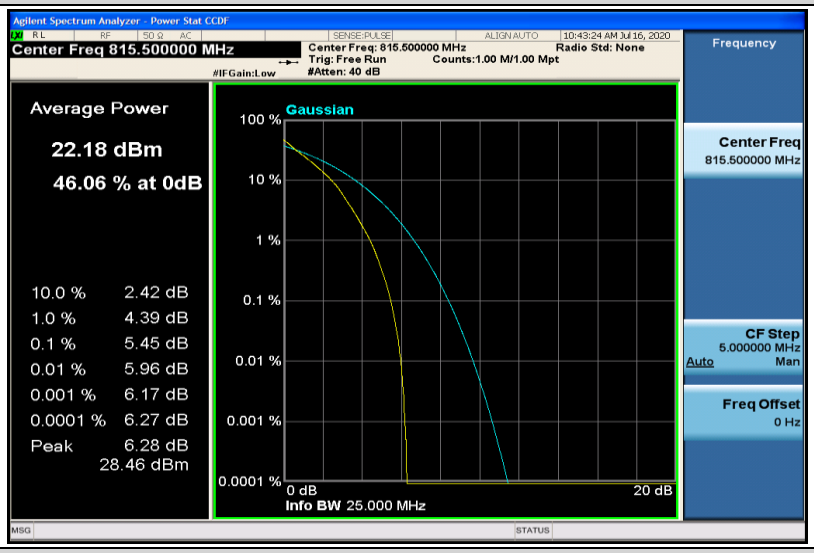

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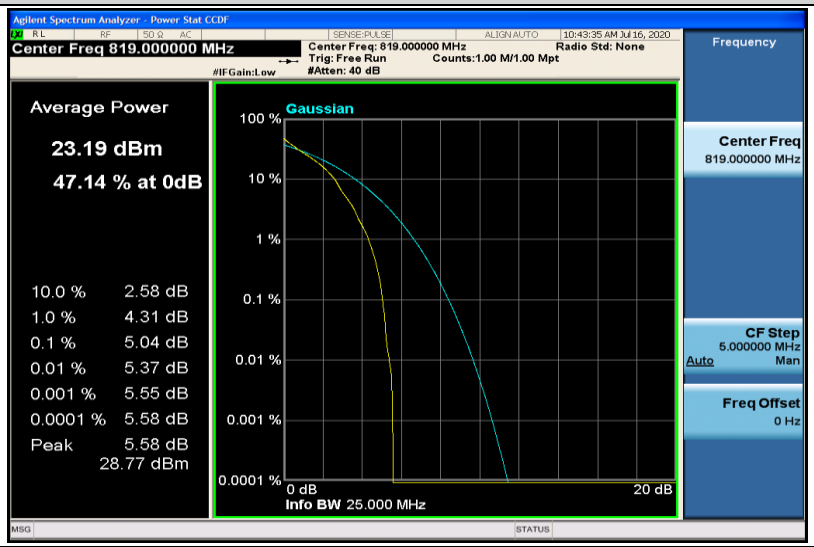

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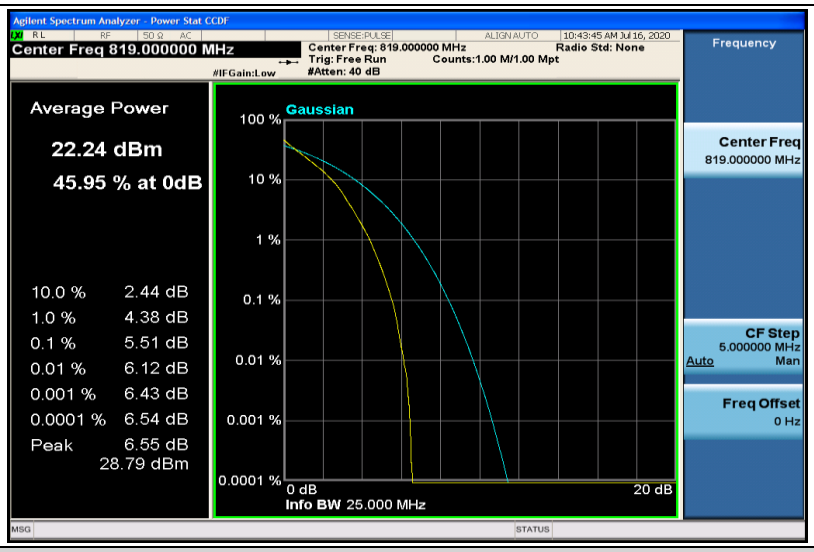

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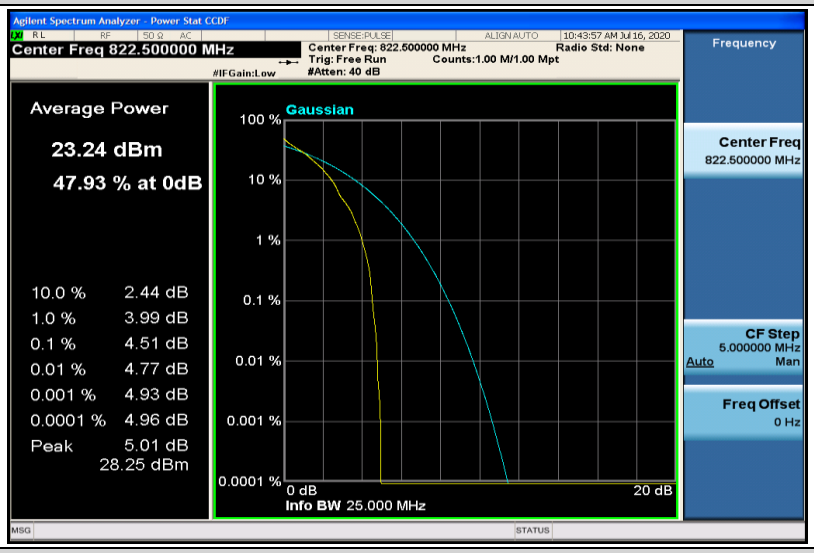
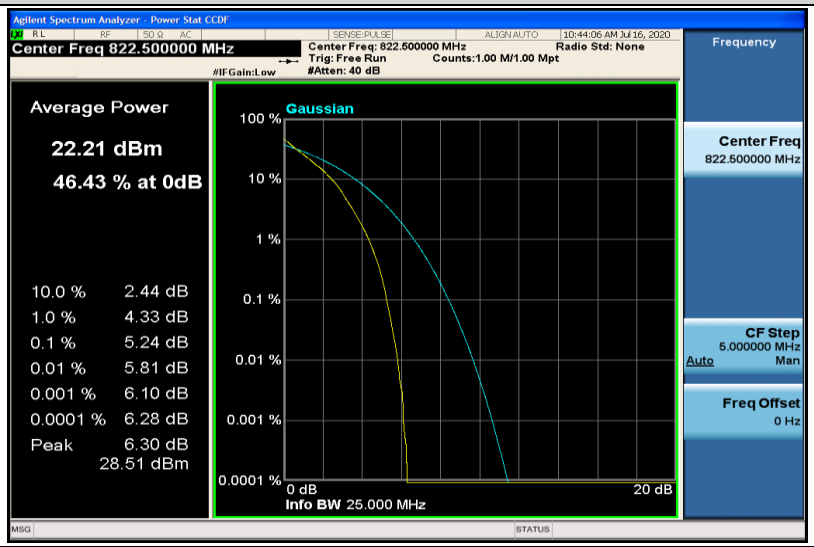
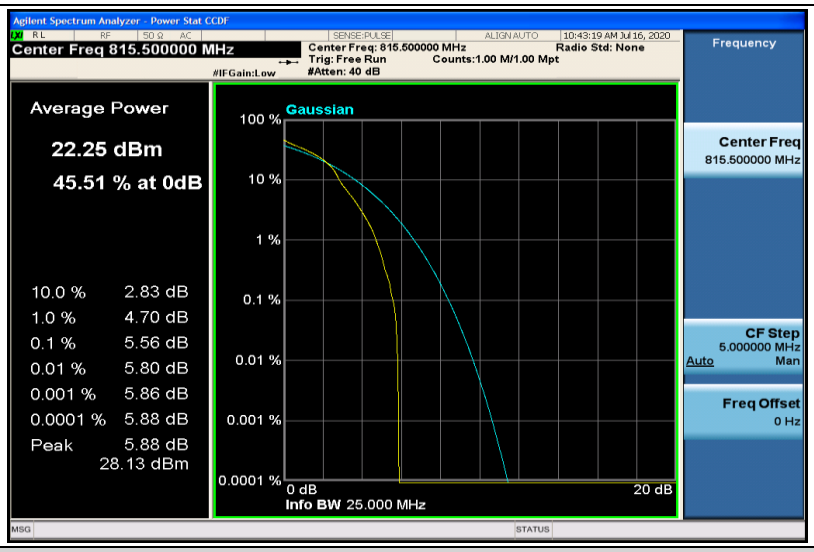


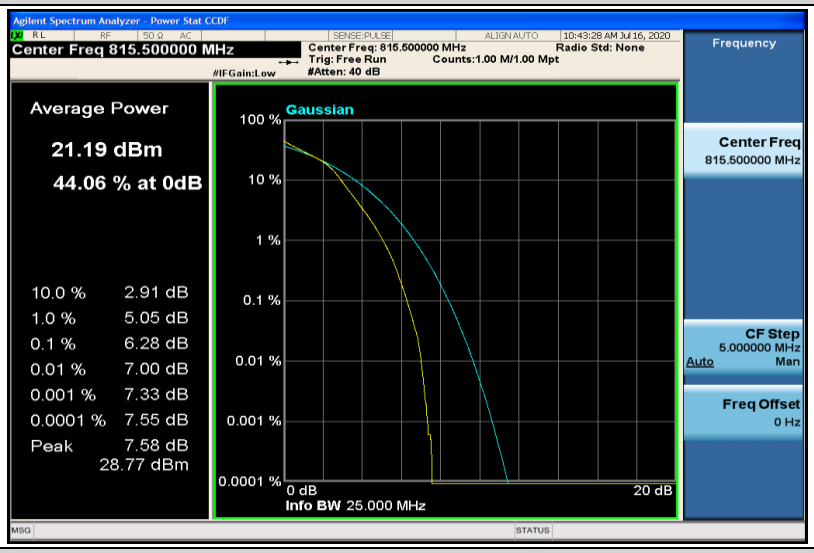
Band26-3MHz-QPSK-26775-1RB#0



Band26-3MHz-QPSK-26775-15RB#0



Band26-3MHz-16QAM-26705-1RB#0



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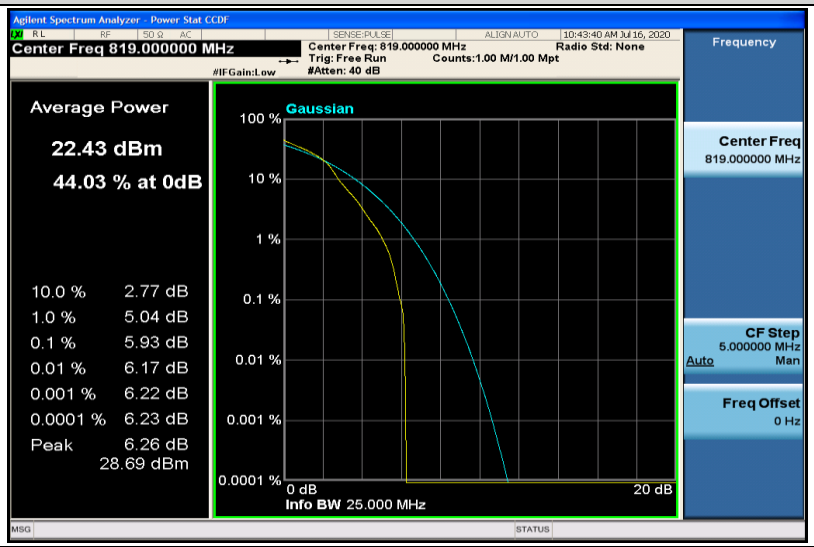

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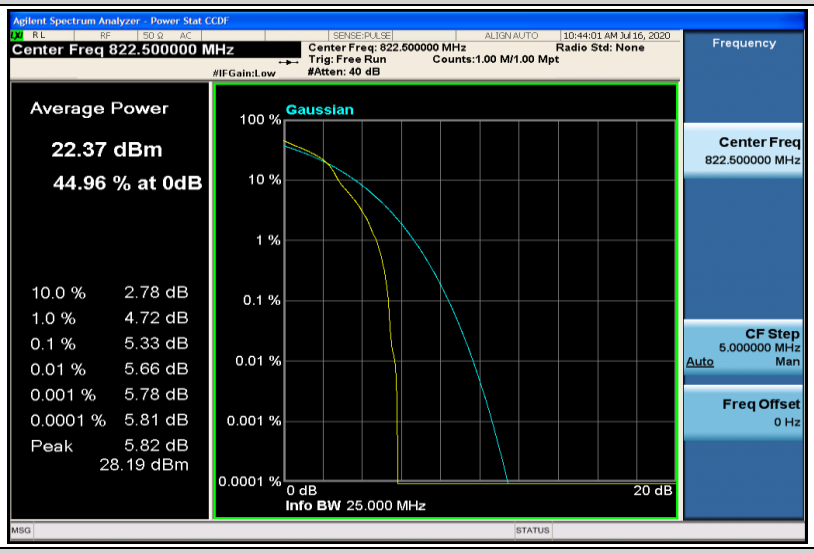

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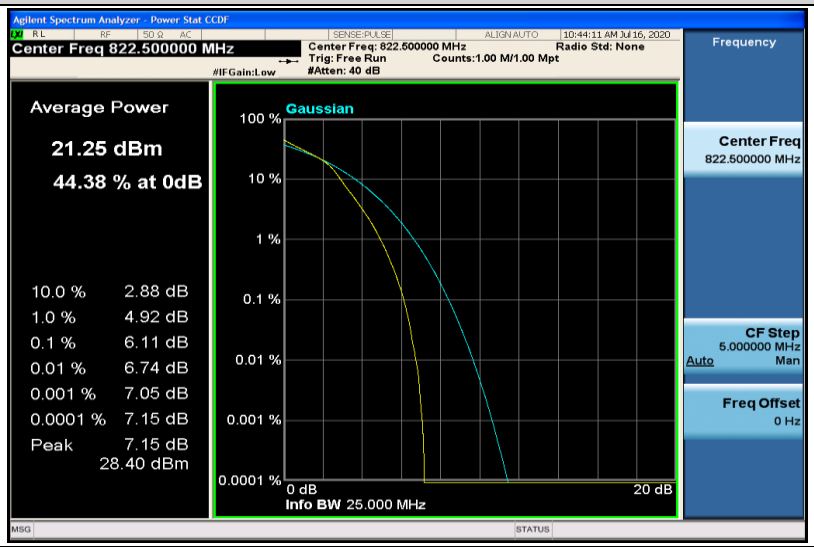

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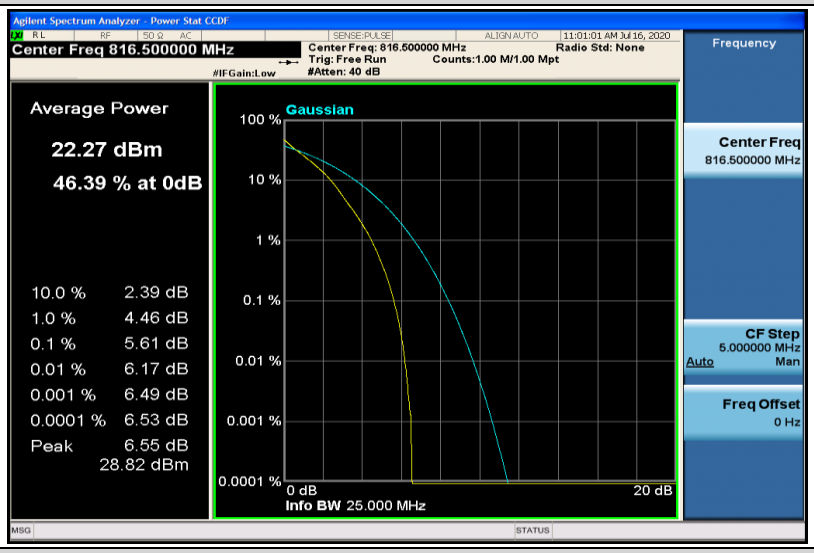
Band26-5MHz-QPSK-26715-1RB#0



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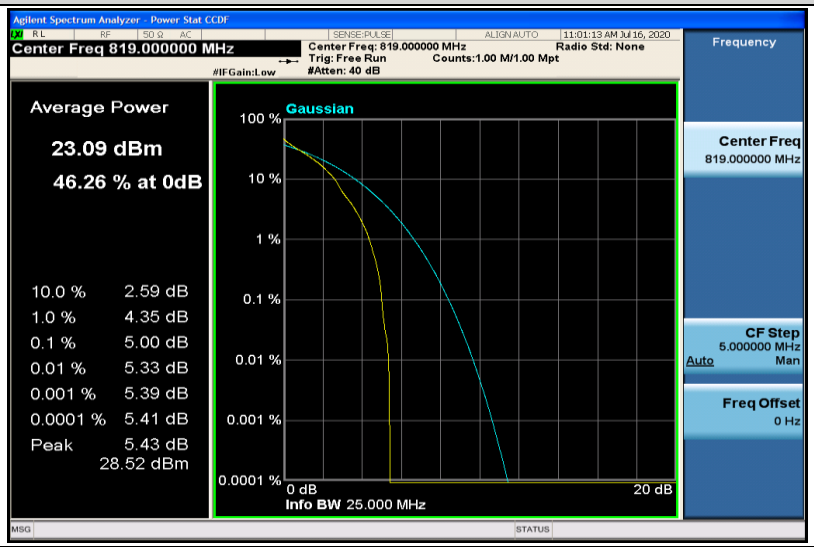

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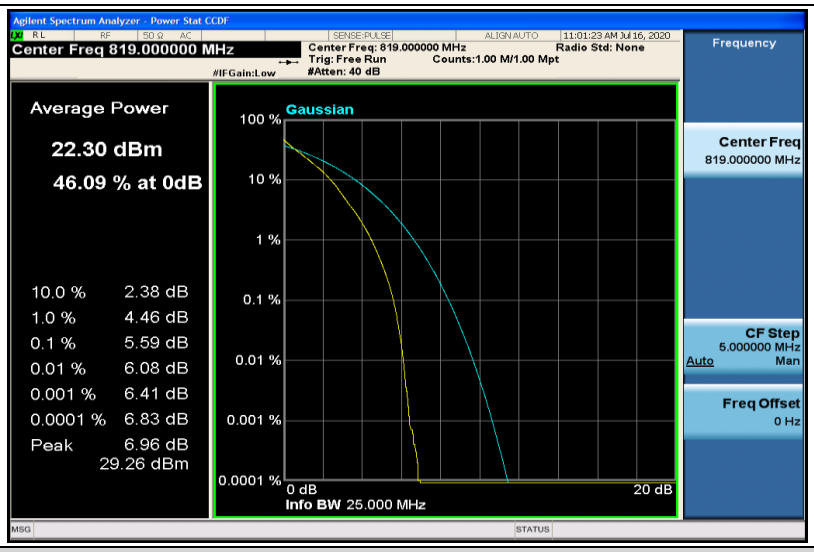

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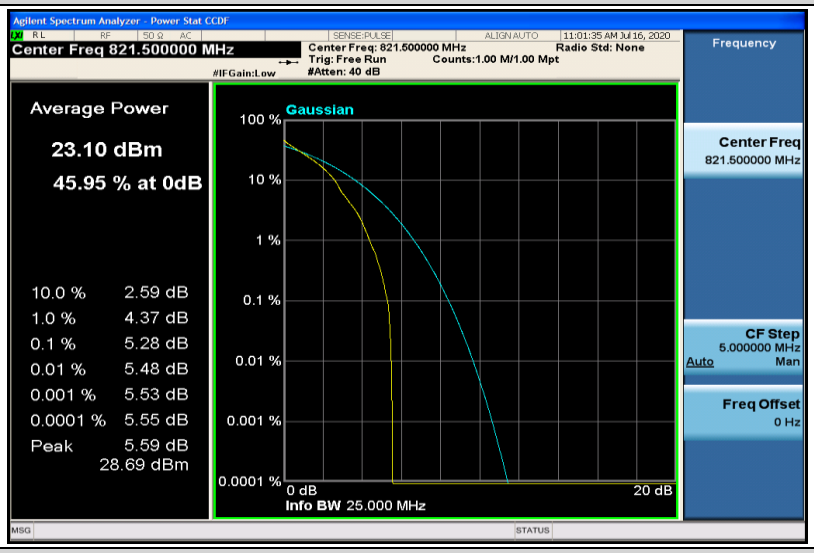

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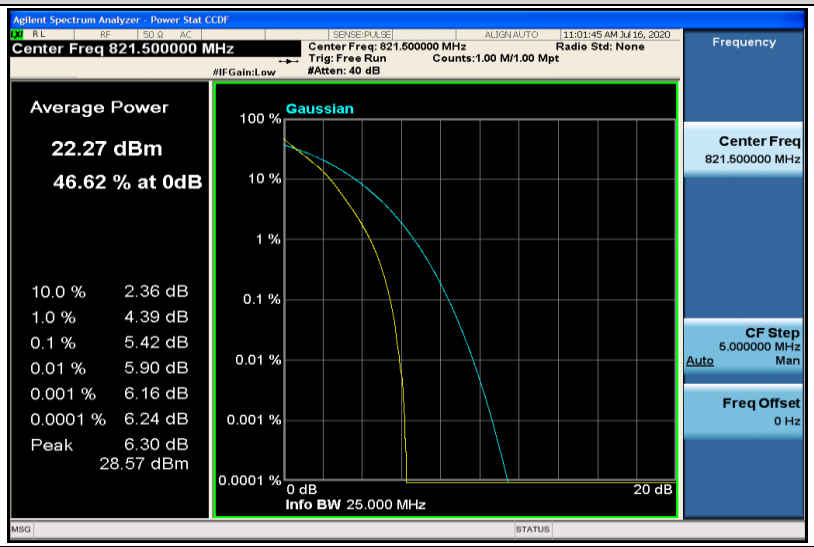

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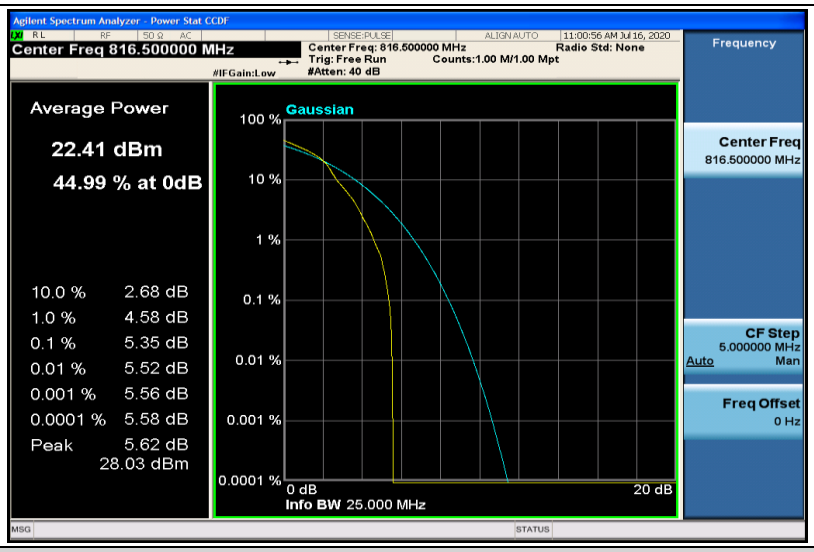

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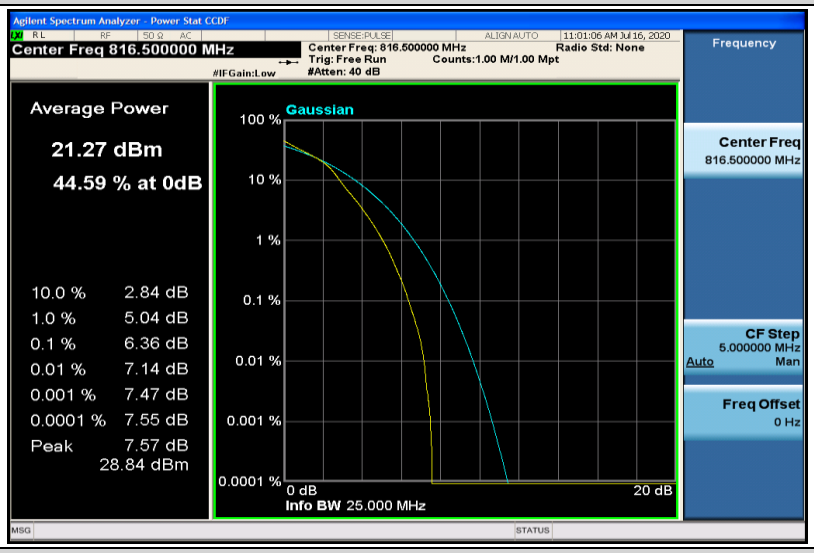

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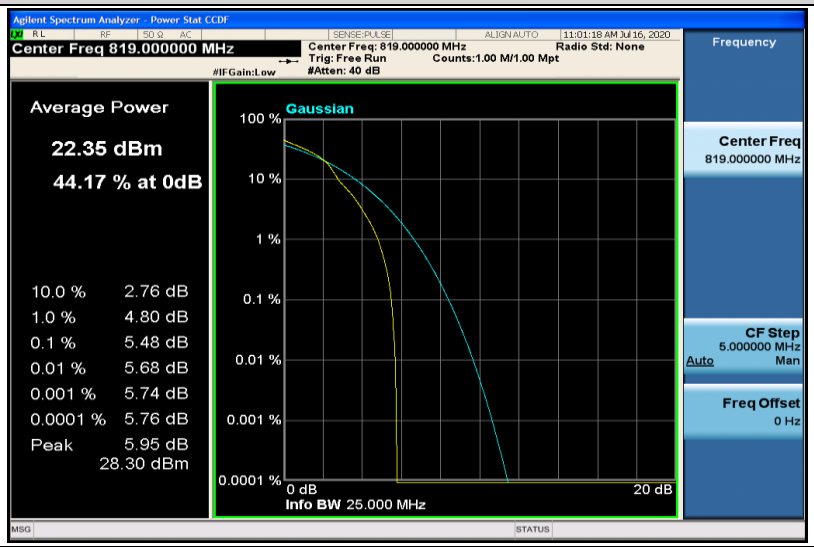

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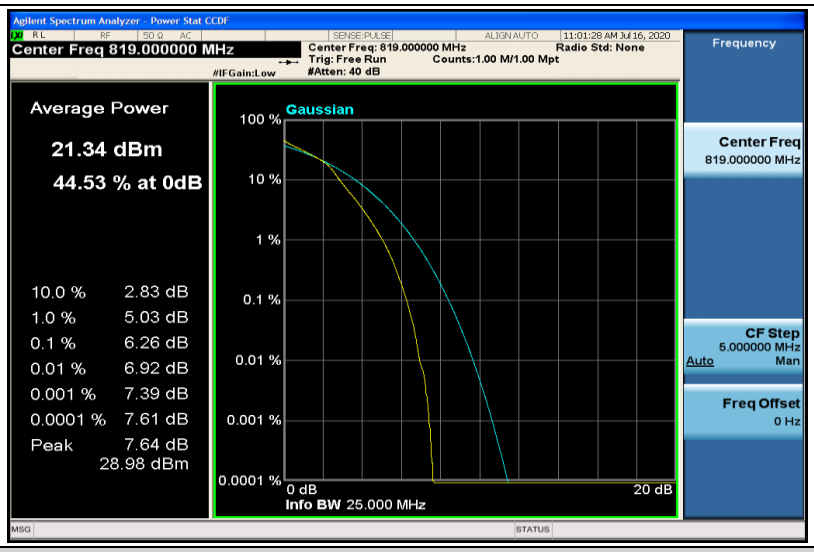

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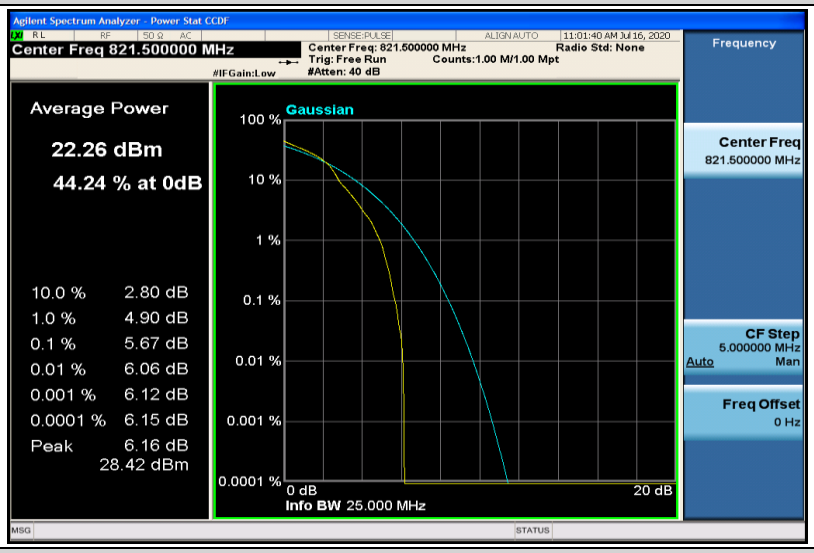

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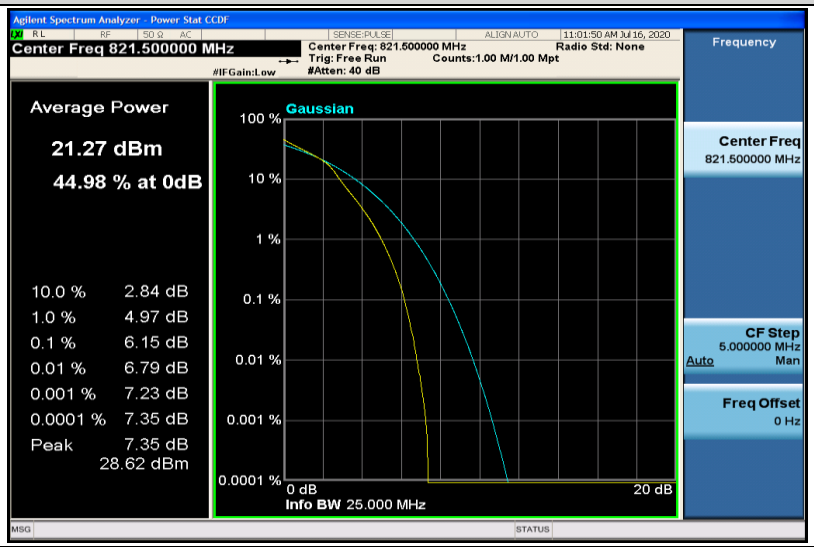

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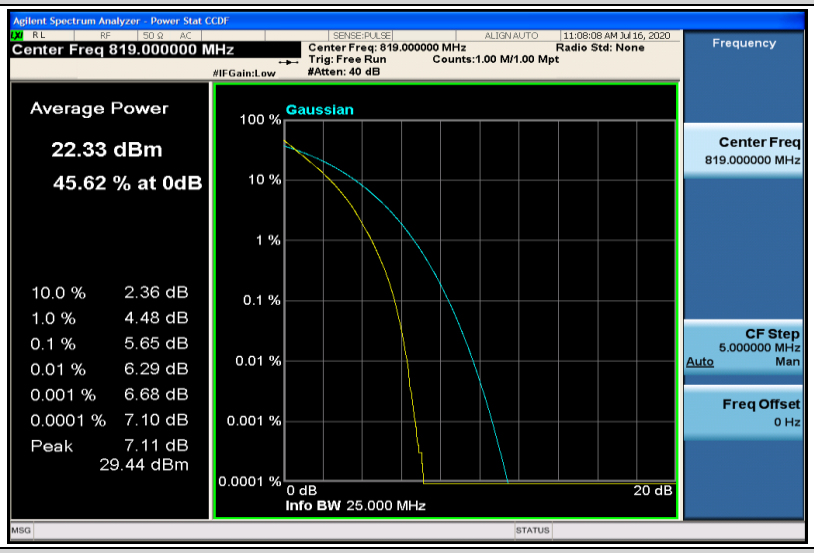

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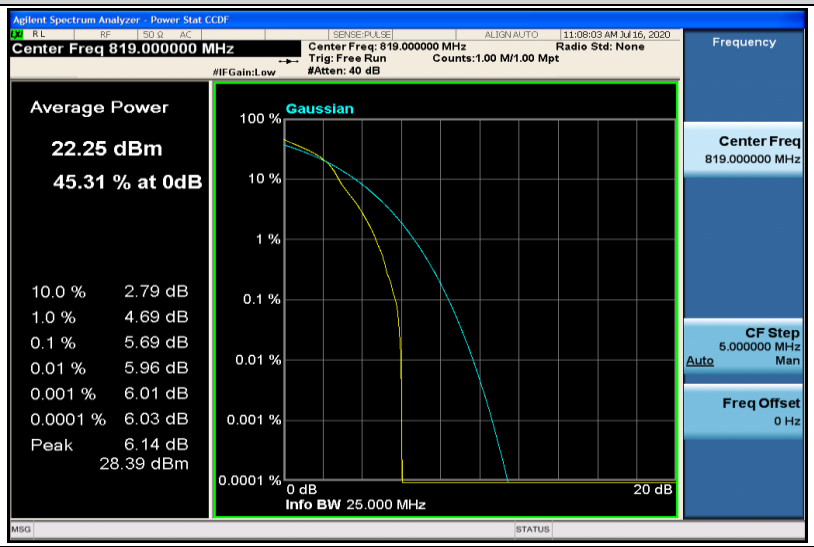

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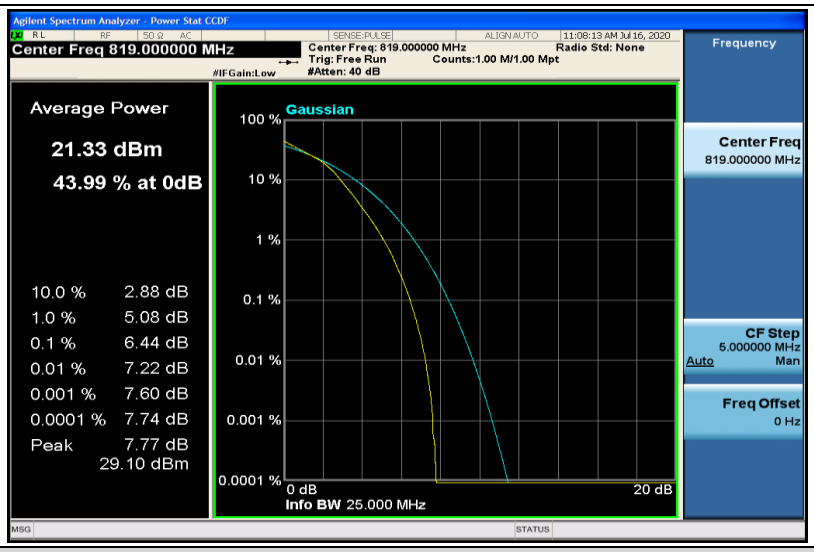

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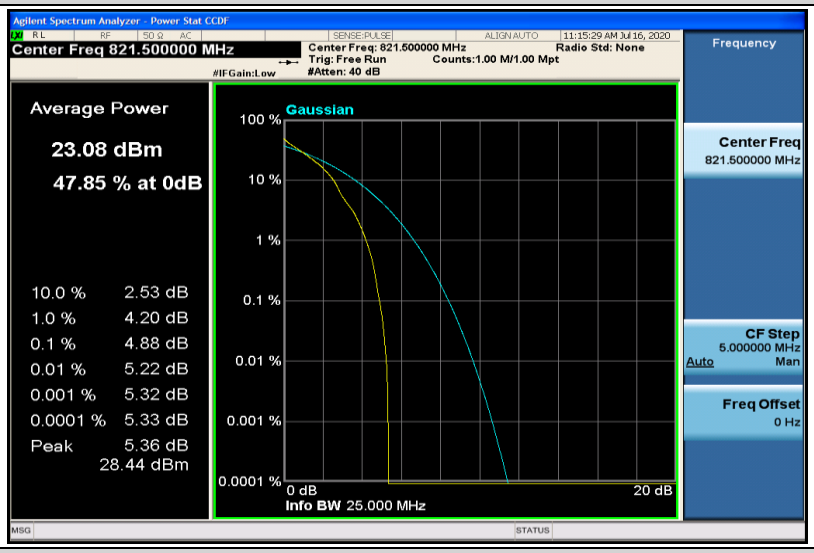

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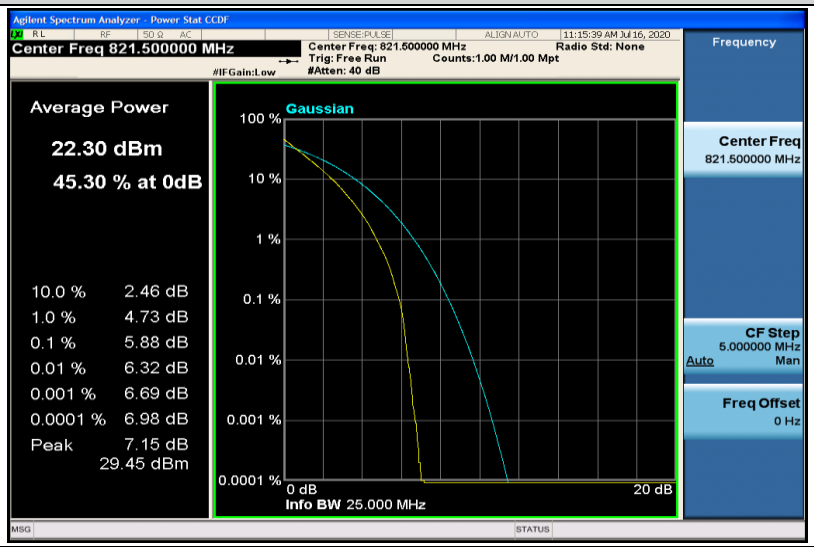

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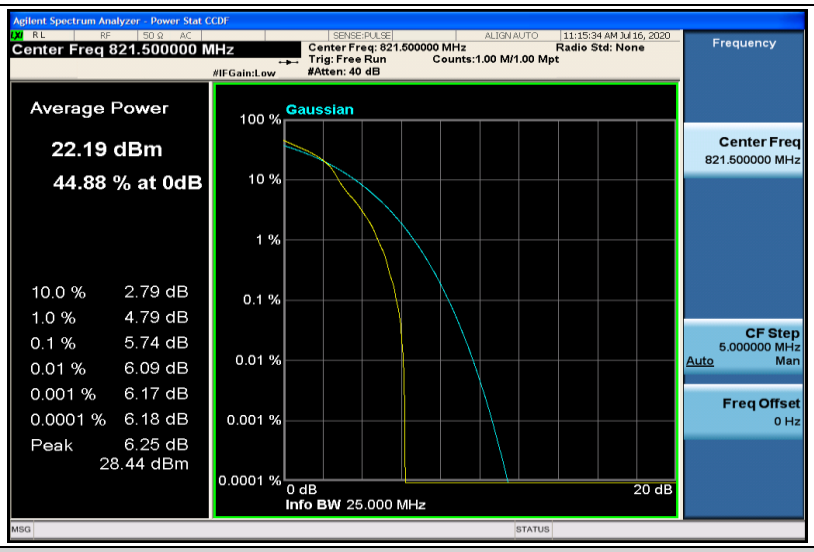
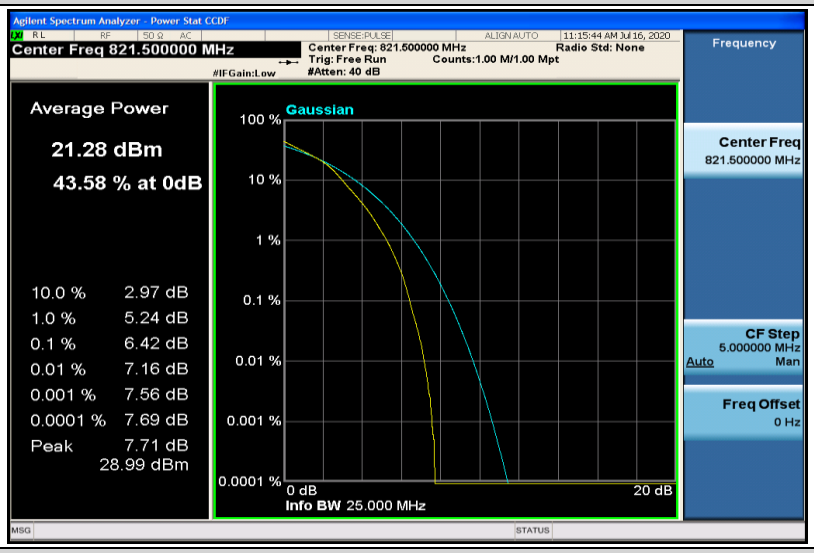


Band26-15MHz-16QAM-26765-1RB#0



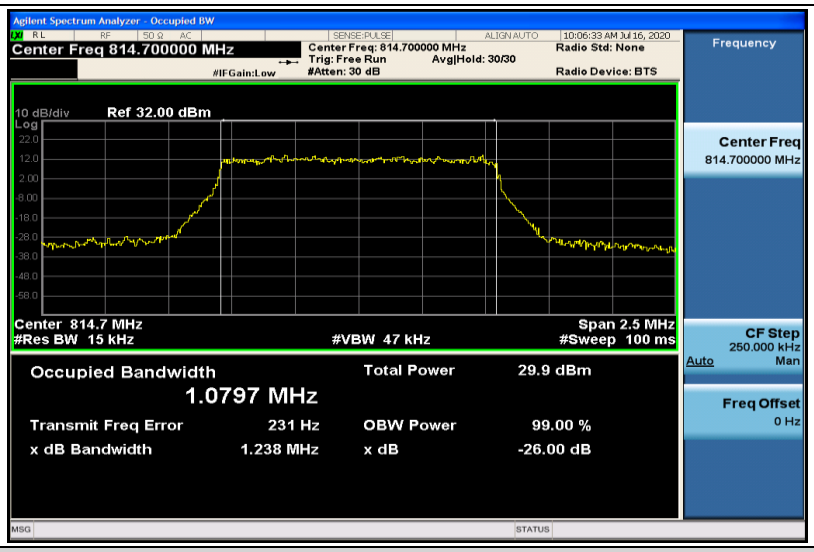
Band26-15MHz-16QAM-26765-75RB#0

8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26697	6RB#0	1.0797	1.238	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.0825	1.239	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.0824	1.243	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.0799	1.239	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.0780	1.240	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.0812	1.242	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.6751	2.863	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.6766	2.869	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.6779	2.871	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.6742	2.859	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.6759	2.854	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.6738	2.851	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.4660	5.017	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.4722	4.854	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.4773	4.840	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.4712	4.852	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.4769	4.833	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.4632	4.790	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.9423	9.589	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.9520	9.570	PASS
Band26	15MHz	QPSK	26765	75RB#0	13.398	14.43	PASS
Band26	15MHz	16QAM	26765	75RB#0	13.424	14.40	PASS

Test Graphs



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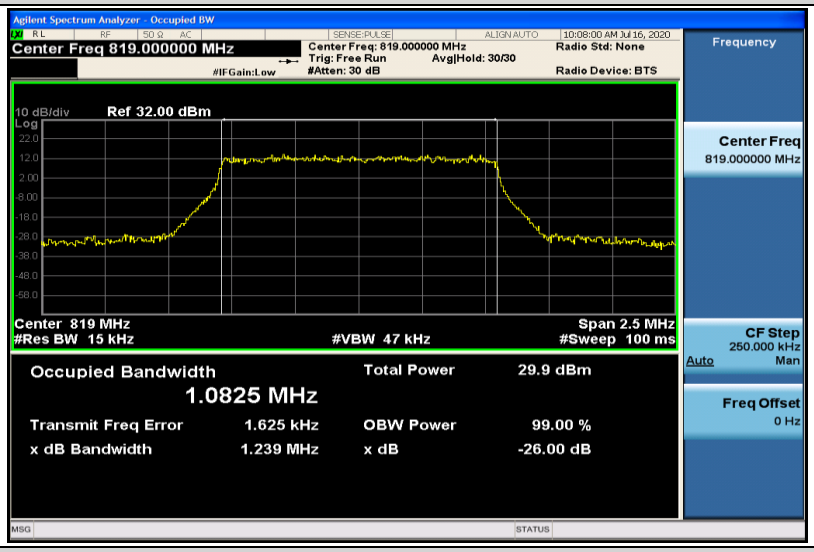

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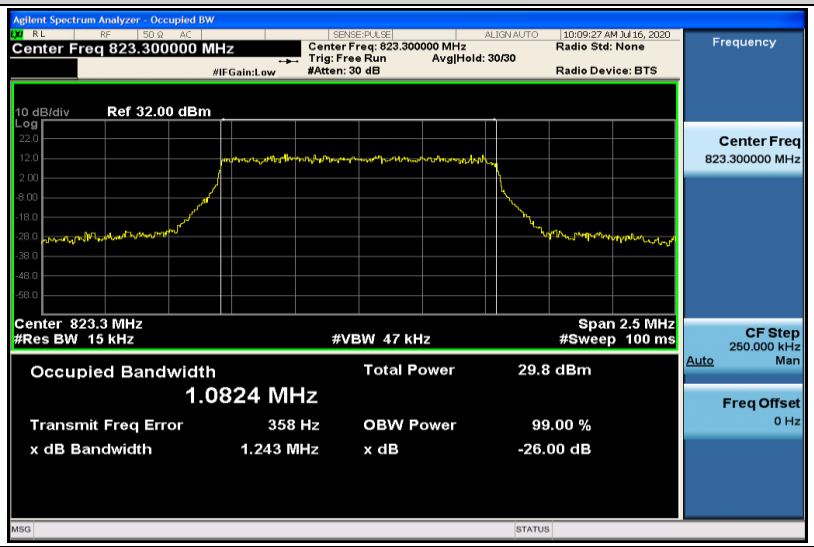

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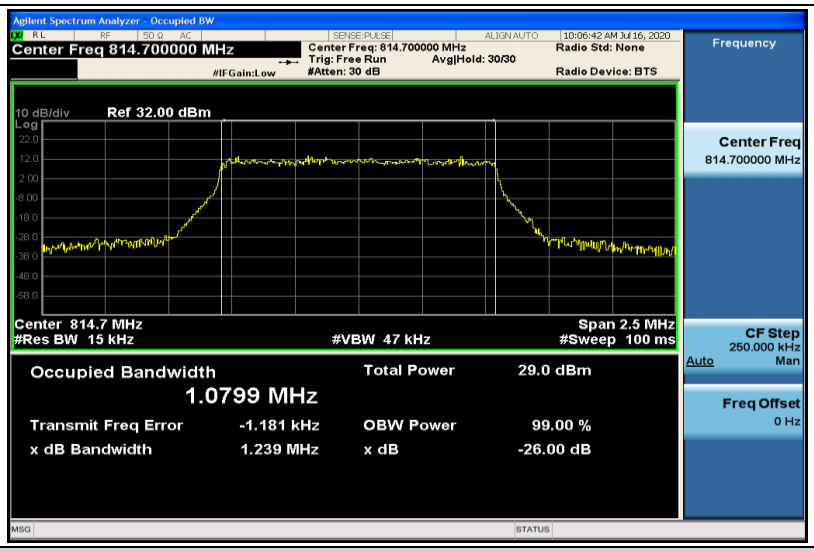

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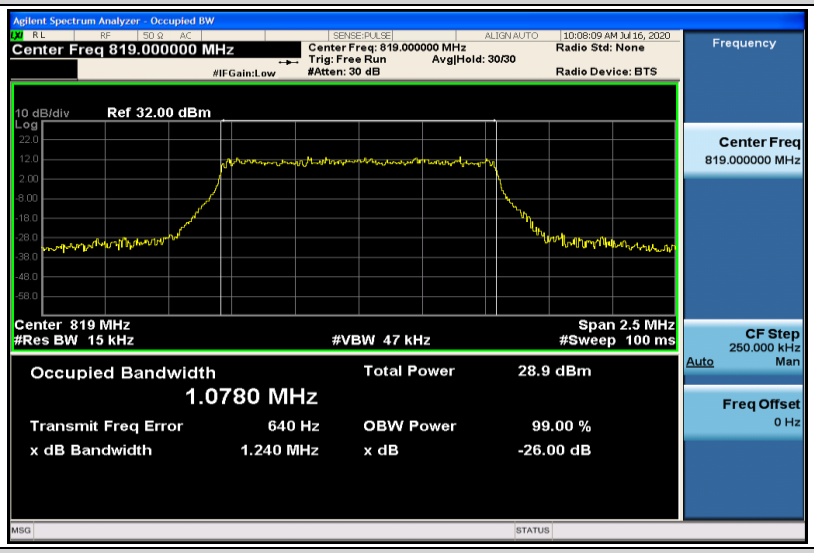

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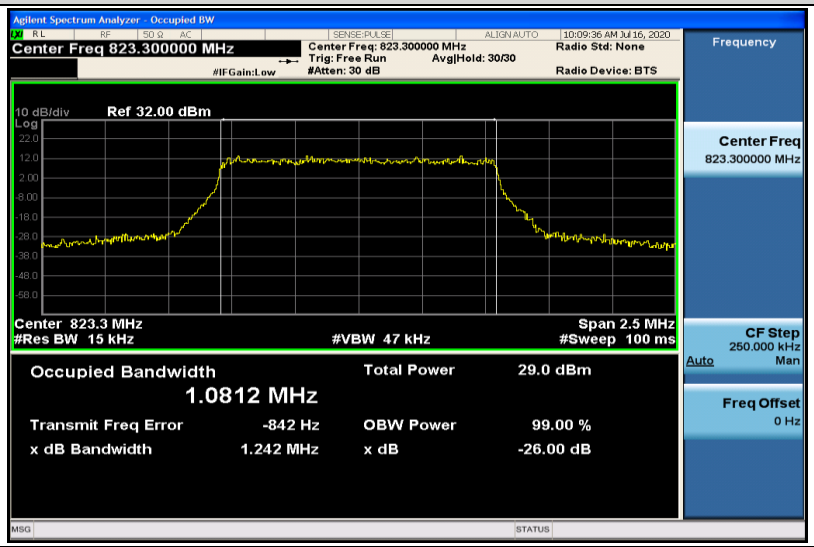

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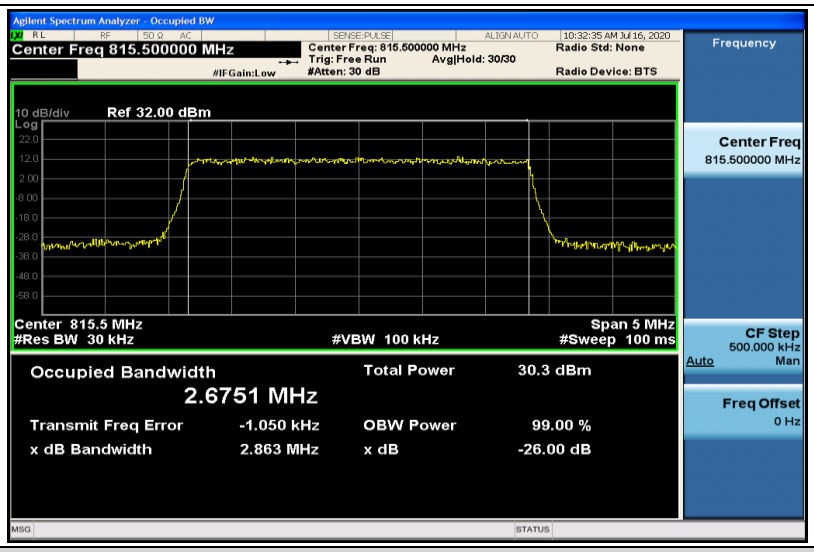

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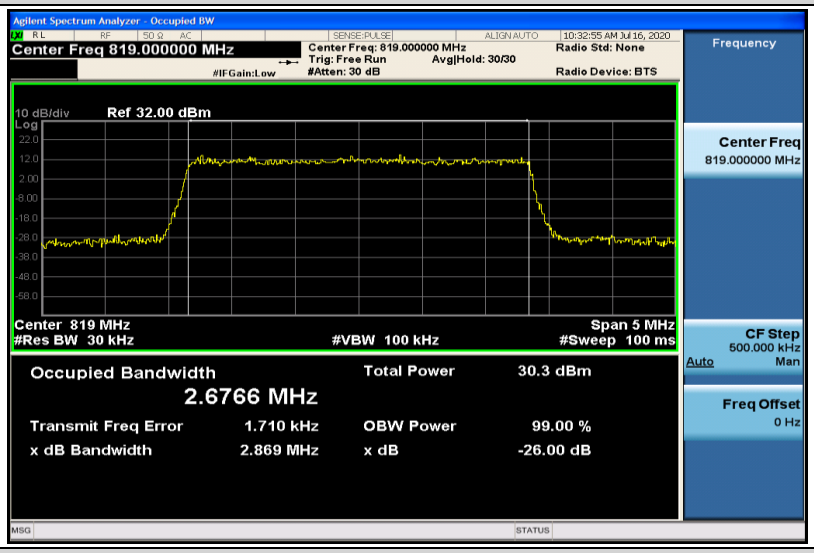

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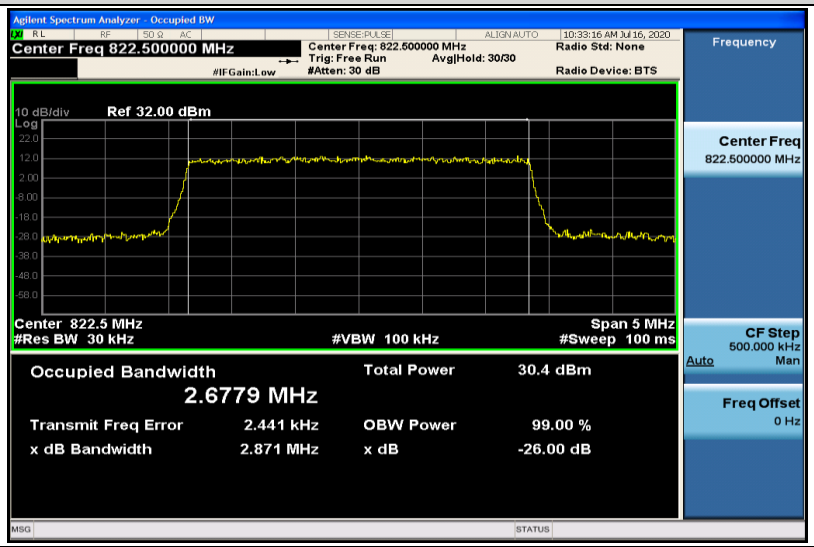

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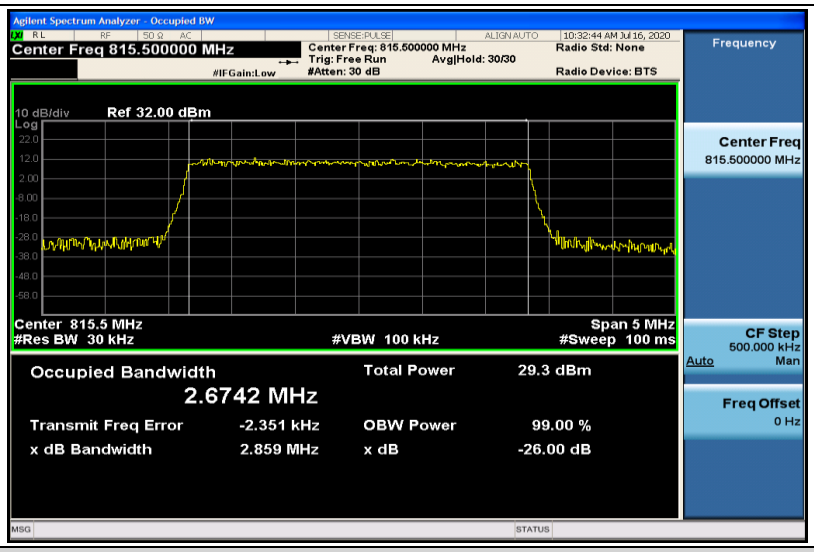

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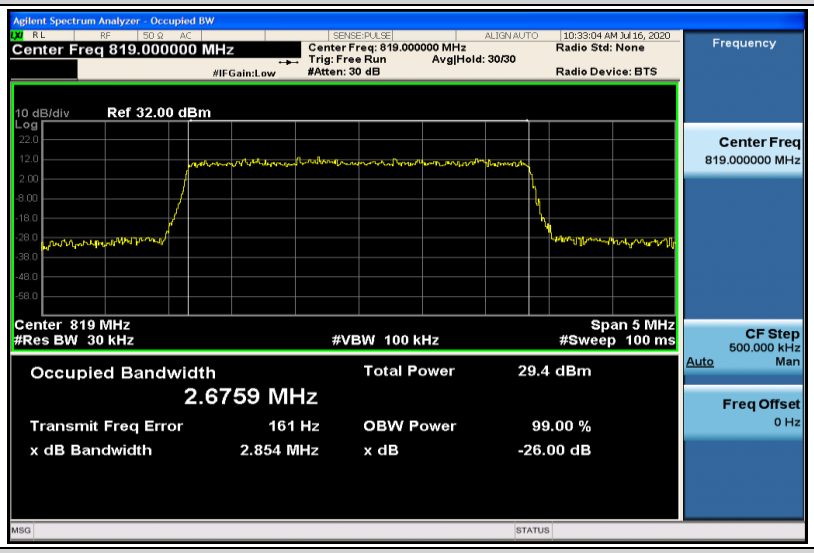

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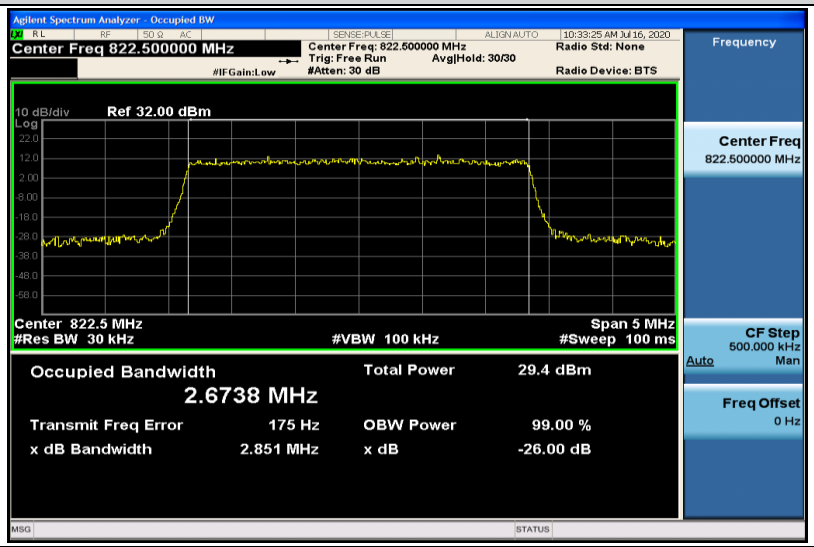

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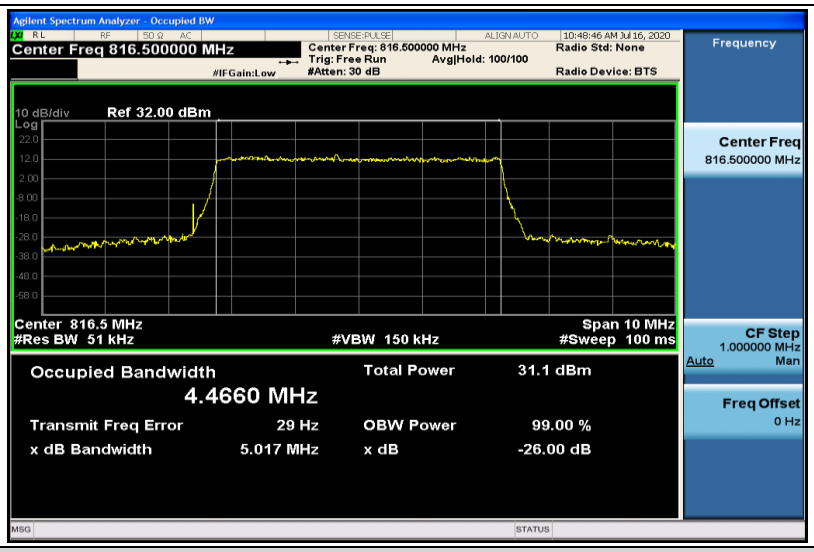

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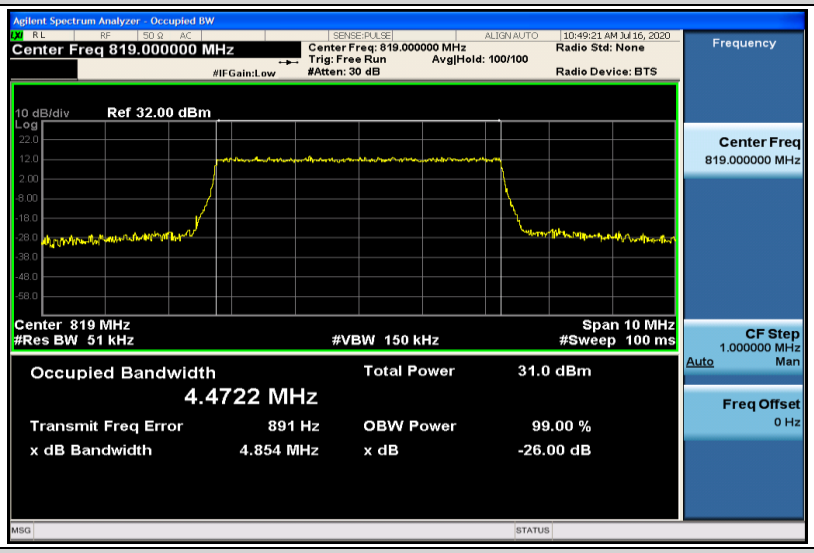

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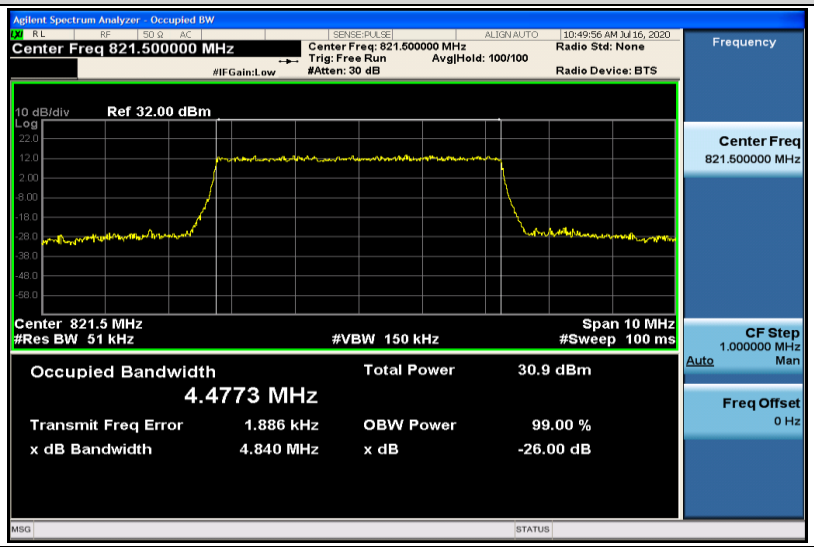

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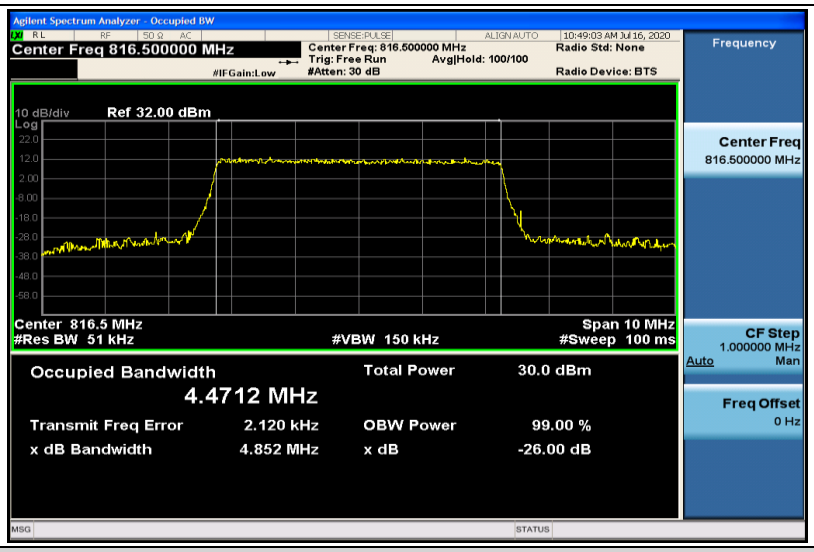

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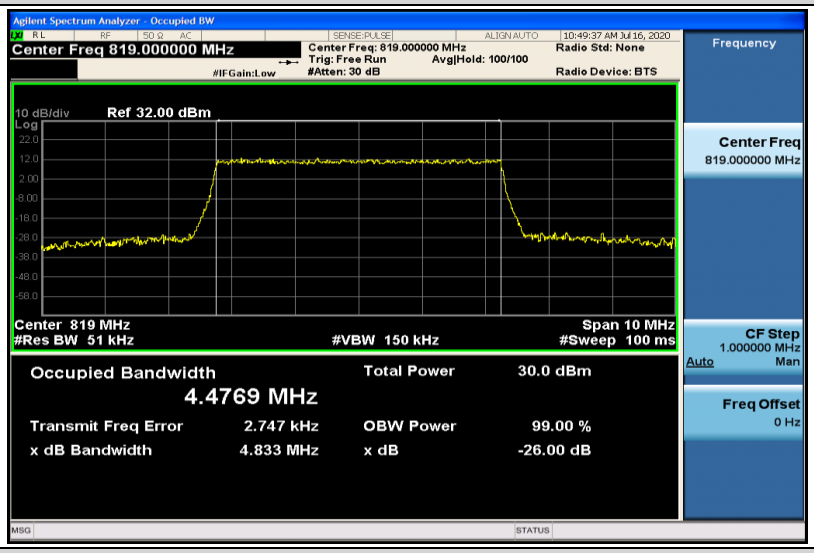

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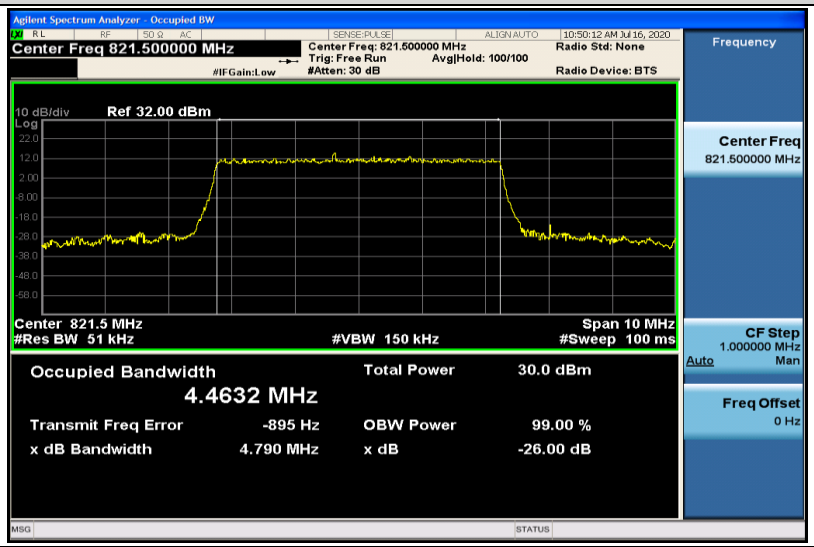

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