

FCC LTE Band7 Test Data

General Description of EUT	
Product Name:	GPS Tracker G28
Test Model:	G28S
Sample ID:	RW-C-202304-0245-3-2#
Environmental Conditions	
Temperature:	24.4°C
Relative Humidity:	50%
Test Voltage:	DC 3.7V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202304-0245-71.	

Appendix A: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	20.97	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.04	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.20	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.08	PASS
Band7	5MHz	QPSK	20775	12RB#6	20.99	PASS
Band7	5MHz	QPSK	20775	12RB#13	20.20	PASS
Band7	5MHz	QPSK	20775	25RB#0	20.32	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.35	PASS
Band7	5MHz	QPSK	21100	1RB#12	20.94	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.16	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.60	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.71	PASS
Band7	5MHz	QPSK	21100	12RB#13	19.96	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.36	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.96	PASS
Band7	5MHz	QPSK	21425	1RB#12	20.53	PASS
Band7	5MHz	QPSK	21425	1RB#24	20.24	PASS
Band7	5MHz	QPSK	21425	12RB#0	19.45	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.91	PASS
Band7	5MHz	QPSK	21425	12RB#13	19.62	PASS
Band7	5MHz	QPSK	21425	25RB#0	19.45	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.20	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.14	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.19	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.92	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.94	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.30	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.43	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.71	PASS
Band7	5MHz	16QAM	21100	1RB#12	20.35	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.90	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.82	PASS

Band7	5MHz	16QAM	21100	12RB#6	20.70	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.16	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.20	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.26	PASS
Band7	5MHz	16QAM	21425	1RB#12	19.55	PASS
Band7	5MHz	16QAM	21425	1RB#24	19.49	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.30	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.97	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.71	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.71	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.10	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.39	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.57	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.11	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.06	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.45	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.52	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.89	PASS
Band7	10MHz	QPSK	21100	1RB#24	20.87	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.63	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.16	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.85	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.36	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.70	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.58	PASS
Band7	10MHz	QPSK	21400	1RB#24	20.78	PASS
Band7	10MHz	QPSK	21400	1RB#49	20.10	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.01	PASS
Band7	10MHz	QPSK	21400	25RB#12	19.89	PASS
Band7	10MHz	QPSK	21400	25RB#25	19.30	PASS
Band7	10MHz	QPSK	21400	50RB#0	19.60	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.04	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.63	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.85	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.14	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.06	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.85	PASS

Band7	10MHz	16QAM	20800	27RB#0	20.15	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.18	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.38	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.84	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.58	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.79	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.22	PASS
Band7	10MHz	16QAM	21100	27RB#0	20.58	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.71	PASS
Band7	10MHz	16QAM	21400	1RB#24	20.06	PASS
Band7	10MHz	16QAM	21400	1RB#49	19.24	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.14	PASS
Band7	10MHz	16QAM	21400	25RB#12	19.72	PASS
Band7	10MHz	16QAM	21400	25RB#25	18.79	PASS
Band7	10MHz	16QAM	21400	27RB#0	20.05	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.28	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.61	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.38	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.46	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.41	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.55	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.43	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.46	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.51	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.51	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.45	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.91	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.70	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.13	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.60	PASS
Band7	15MHz	QPSK	21375	1RB#38	20.78	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.35	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.58	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.18	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.58	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.49	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.08	PASS

Band7	15MHz	16QAM	20825	27RB#0	20.03	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.20	PASS
Band7	15MHz	16QAM	21100	27RB#0	20.70	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.94	PASS
Band7	15MHz	16QAM	21375	27RB#0	20.83	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.55	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.18	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.13	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.33	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.55	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.96	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.72	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.66	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.27	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.94	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.58	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.48	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.99	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.97	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.11	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.11	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.52	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.60	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.09	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.20	PASS
Band7	20MHz	16QAM	20850	27RB#0	19.84	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.99	PASS
Band7	20MHz	16QAM	21100	27RB#0	20.68	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.36	PASS
Band7	20MHz	16QAM	21350	27RB#0	21.28	PASS

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

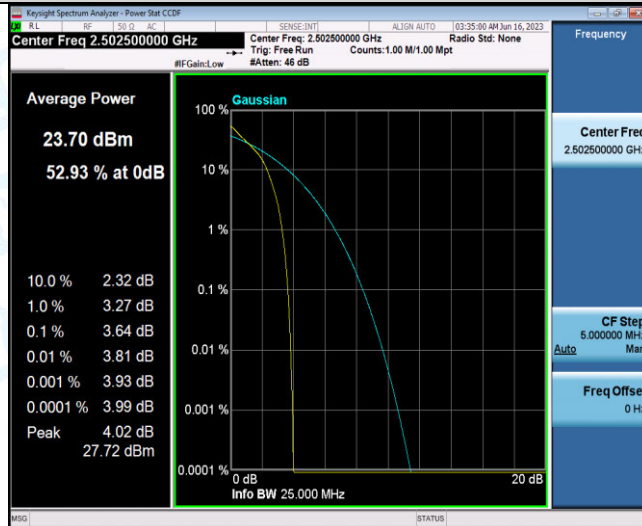
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.64	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.52	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.38	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.64	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.26	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	3.17	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.41	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.43	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.49	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.29	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	3.54	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	3.55	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.25	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.34	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.10	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.67	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.47	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	3.59	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.15	13	PASS
Band7	10MHz	16QAM	20800	27RB#0	5.23	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.27	13	PASS
Band7	10MHz	16QAM	21100	27RB#0	5.23	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	3.73	13	PASS
Band7	10MHz	16QAM	21400	27RB#0	4.41	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.33	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.76	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.95	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.02	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	2.94	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.09	13	PASS

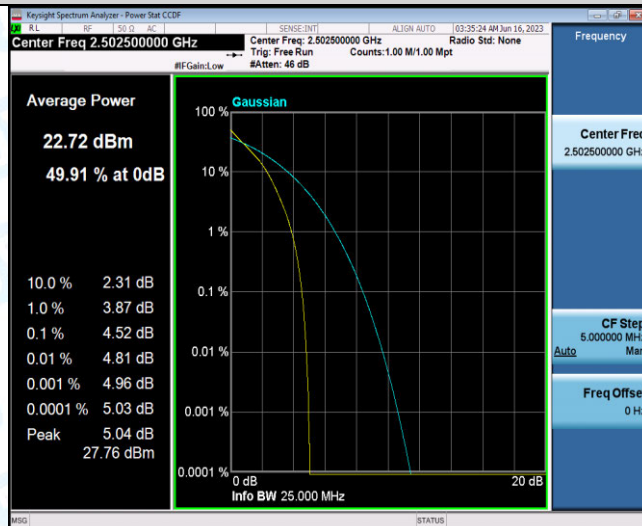
Band7	15MHz	16QAM	20825	1RB#0	4.22	13	PASS
Band7	15MHz	16QAM	20825	27RB#0	5.28	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.39	13	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.38	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	3.97	13	PASS
Band7	15MHz	16QAM	21375	27RB#0	4.98	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.38	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.93	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.89	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.01	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	2.76	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.21	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.10	13	PASS
Band7	20MHz	16QAM	20850	27RB#0	5.39	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.97	13	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.58	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	3.75	13	PASS
Band7	20MHz	16QAM	21350	27RB#0	4.87	13	PASS

Test Graphs

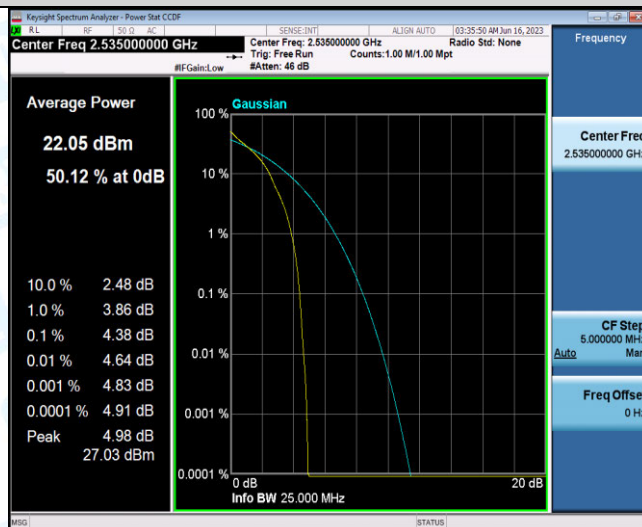
Band7-5MHz-QPSK-20775-1RB#0



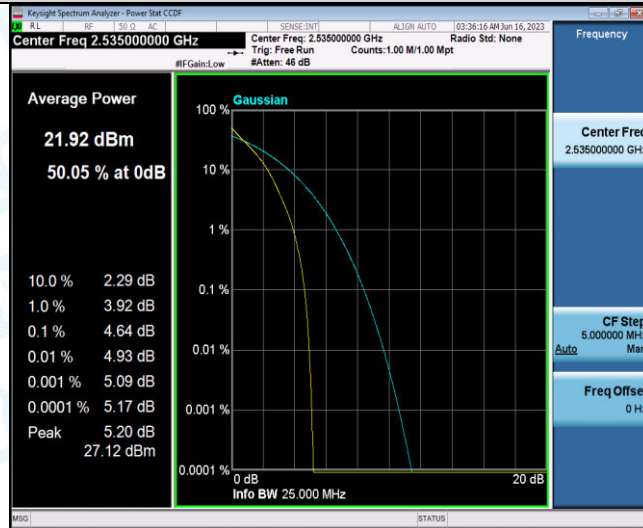
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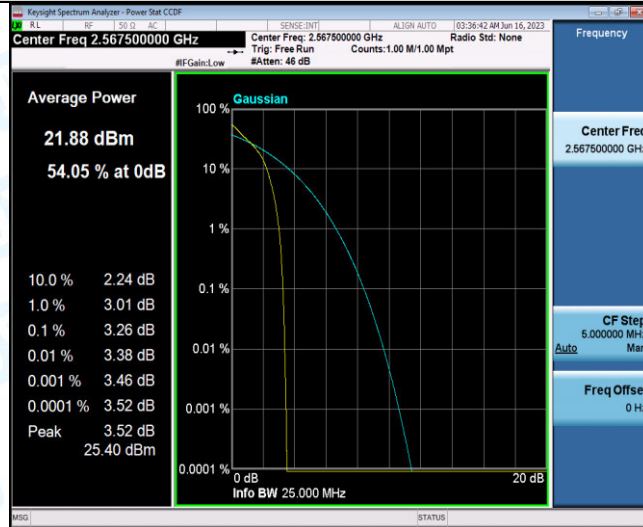
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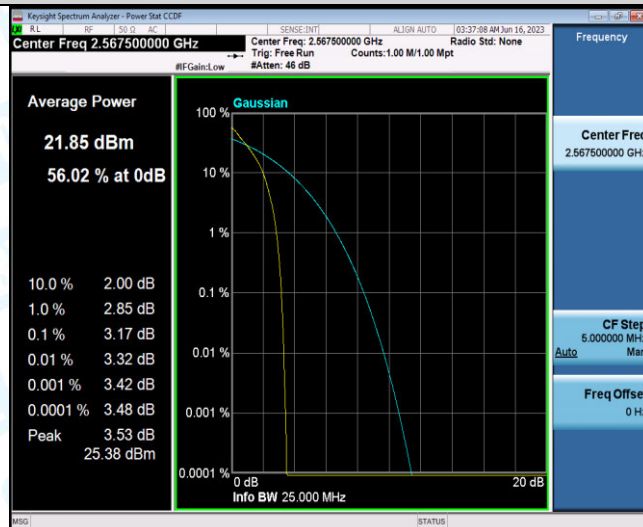
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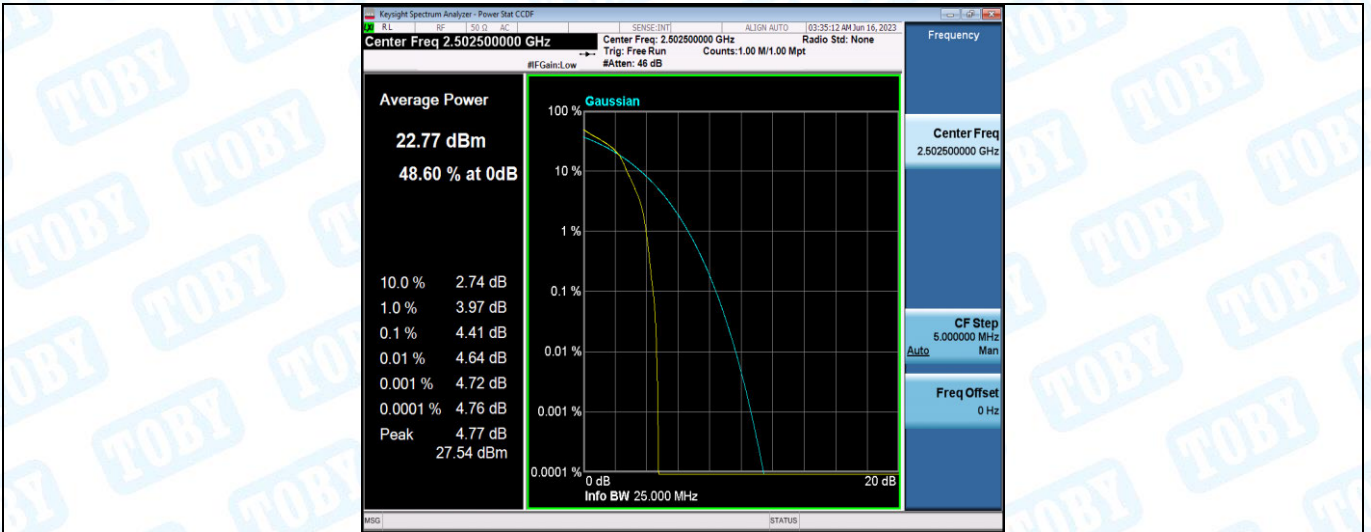
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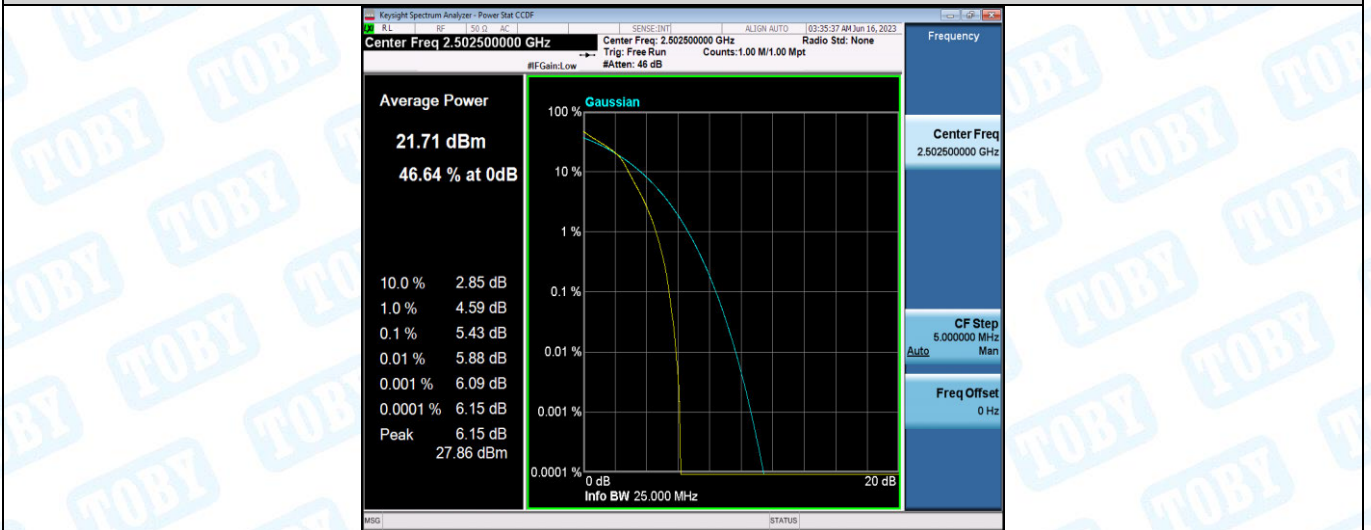
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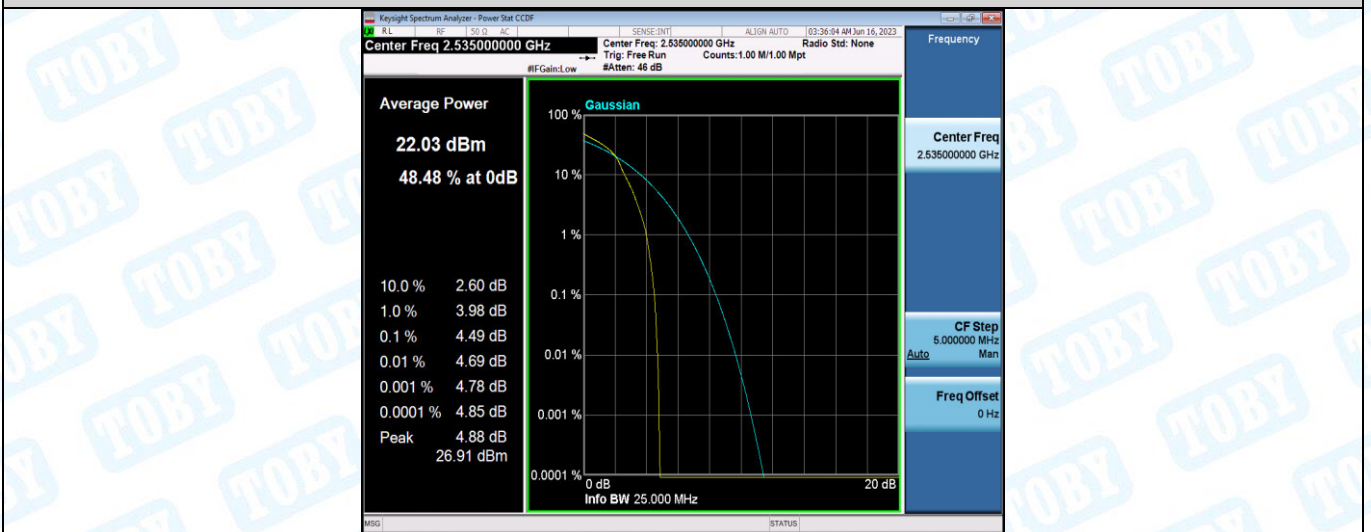
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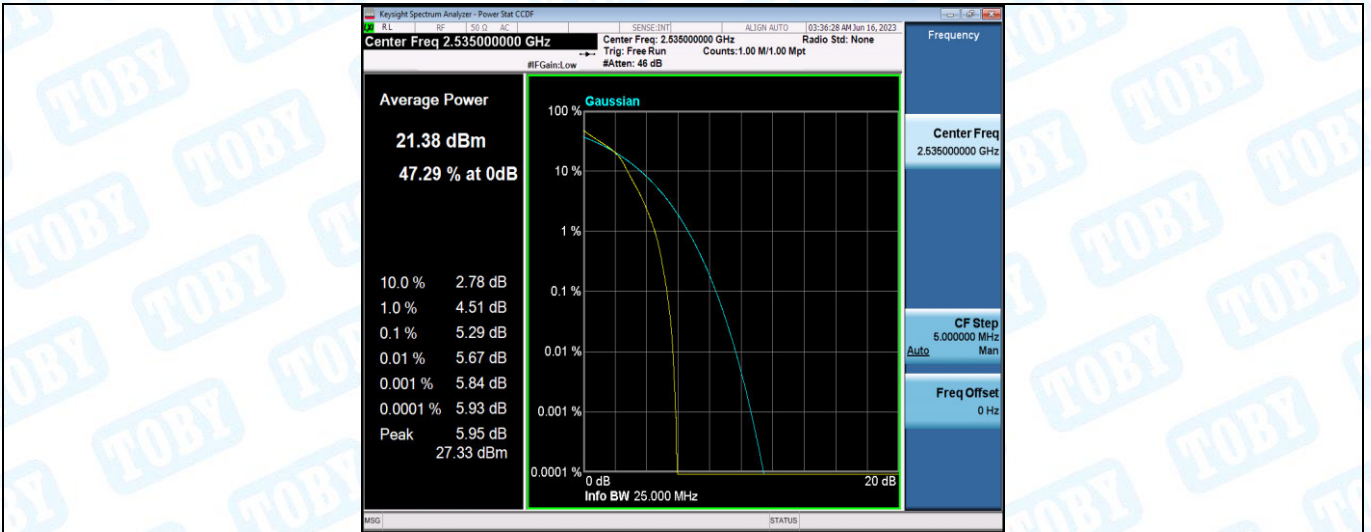
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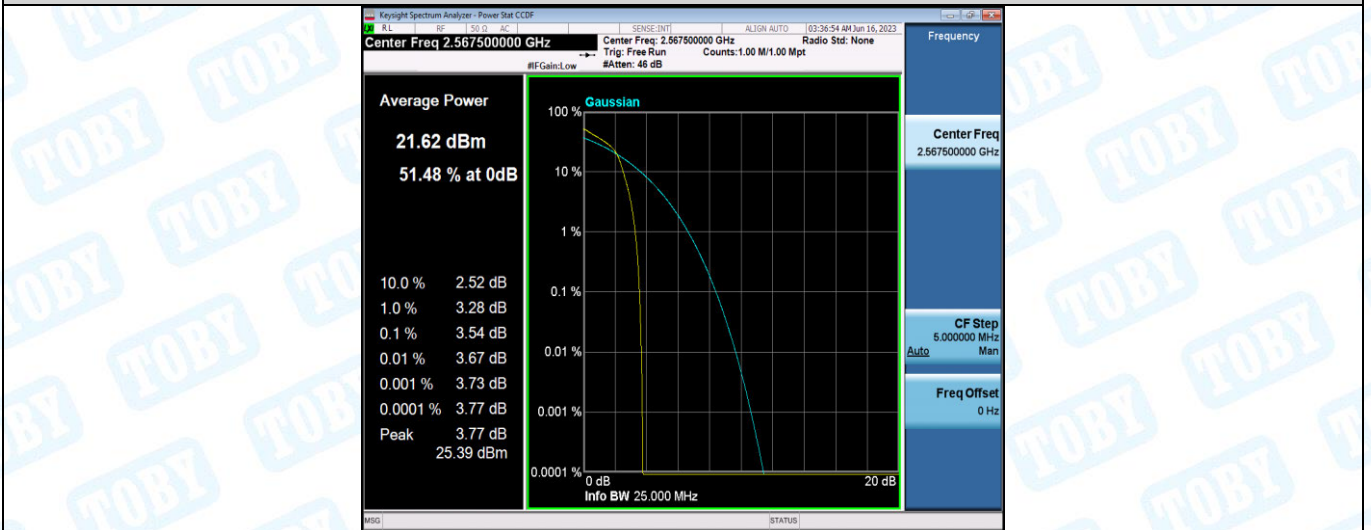
Band7-5MHz-16QAM-21100-1RB#0



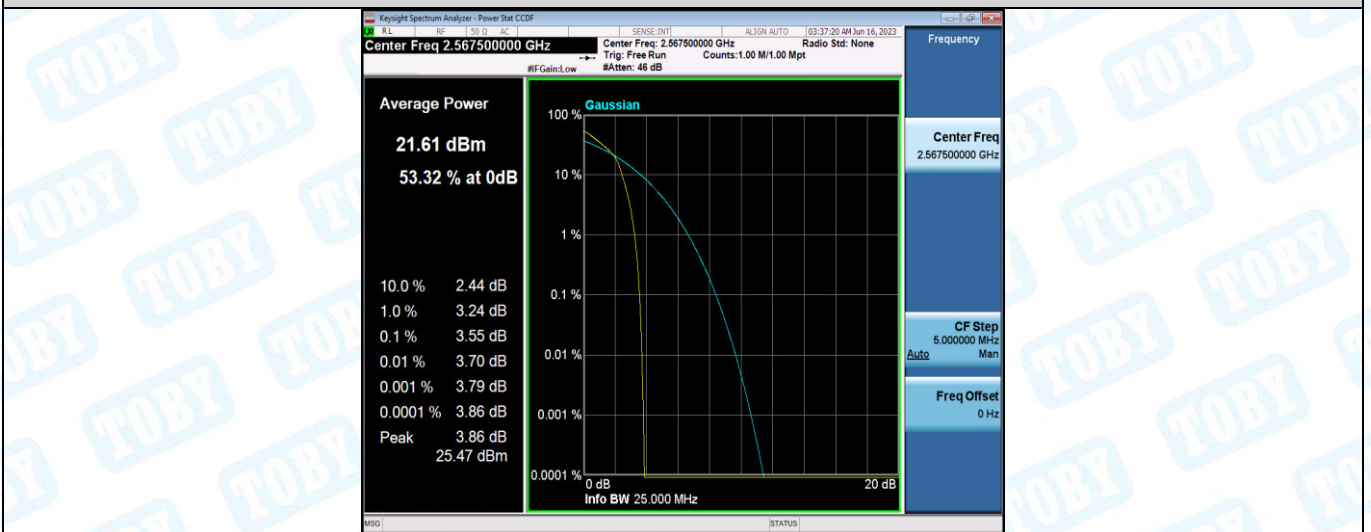
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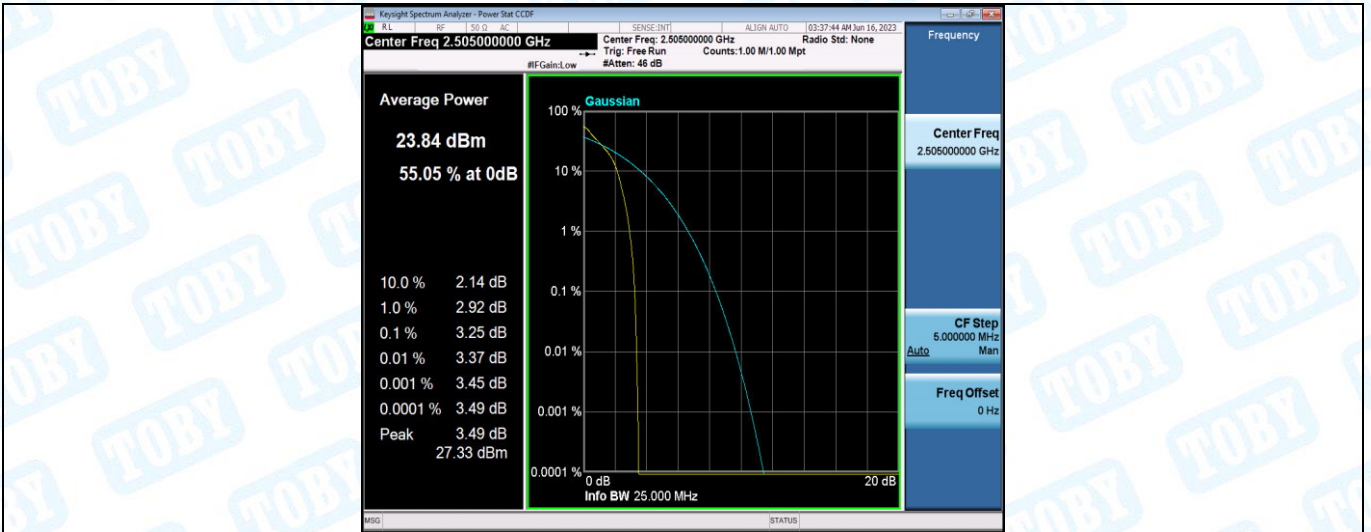
Band7-5MHz-16QAM-21425-1RB#0



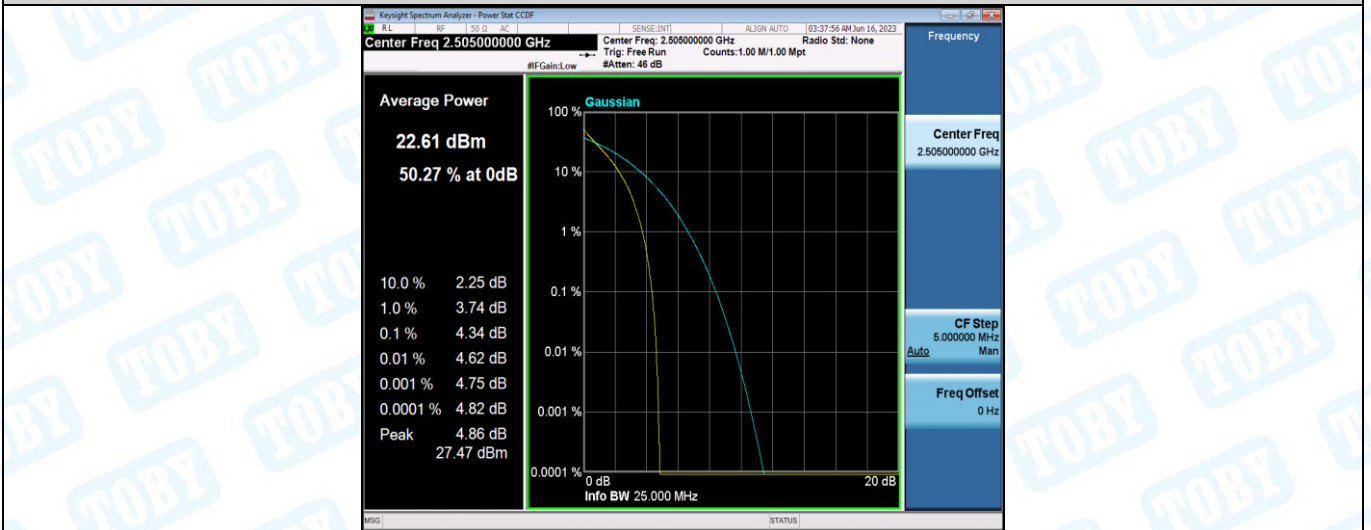
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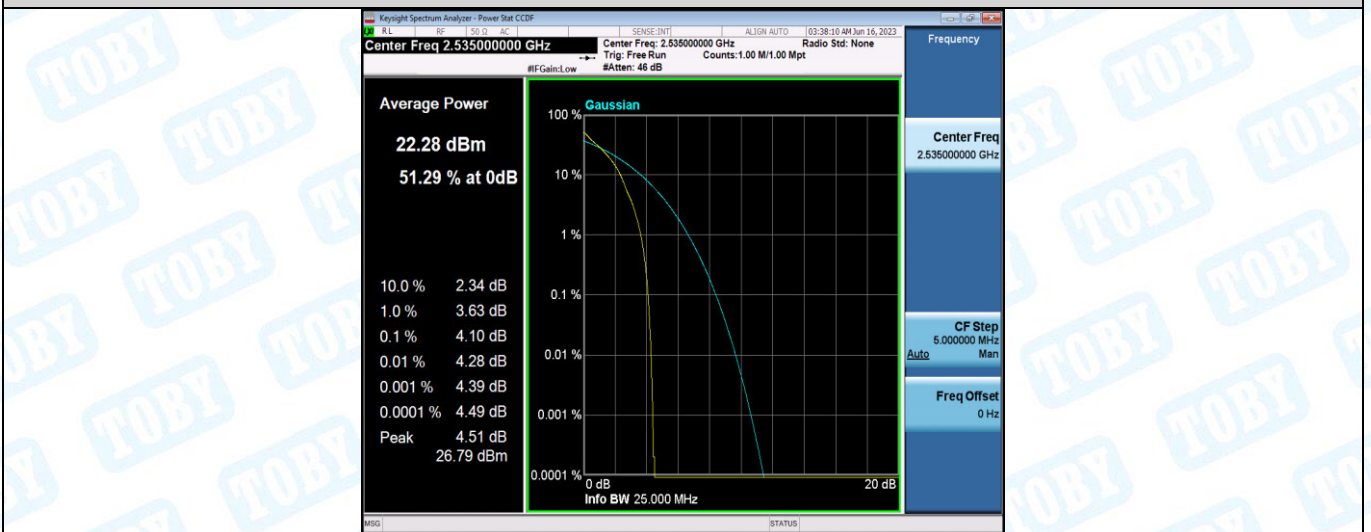
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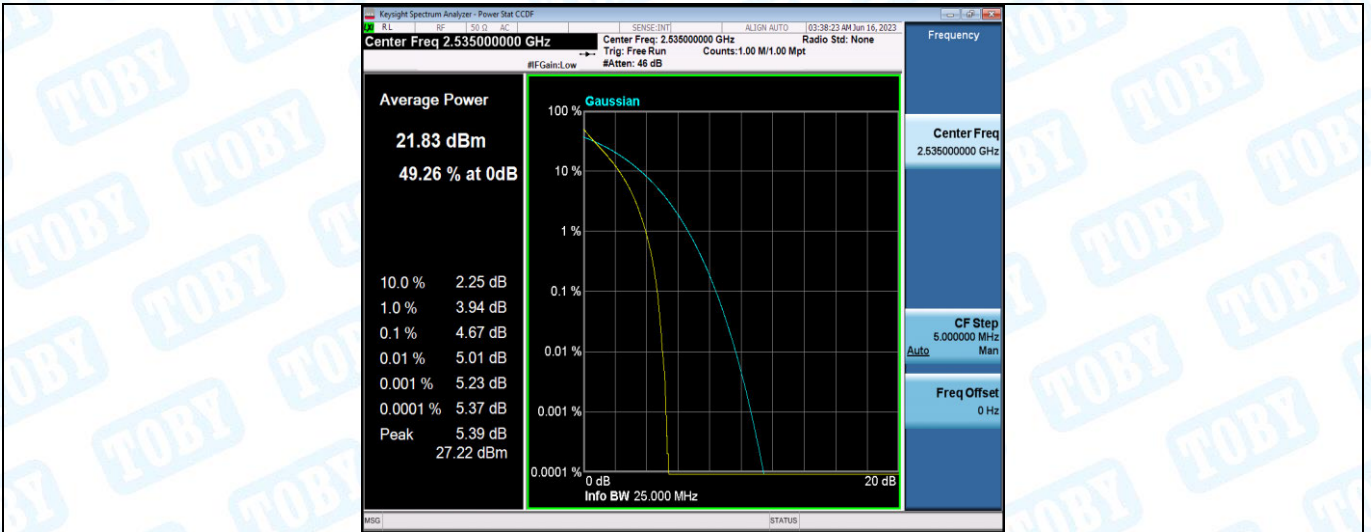
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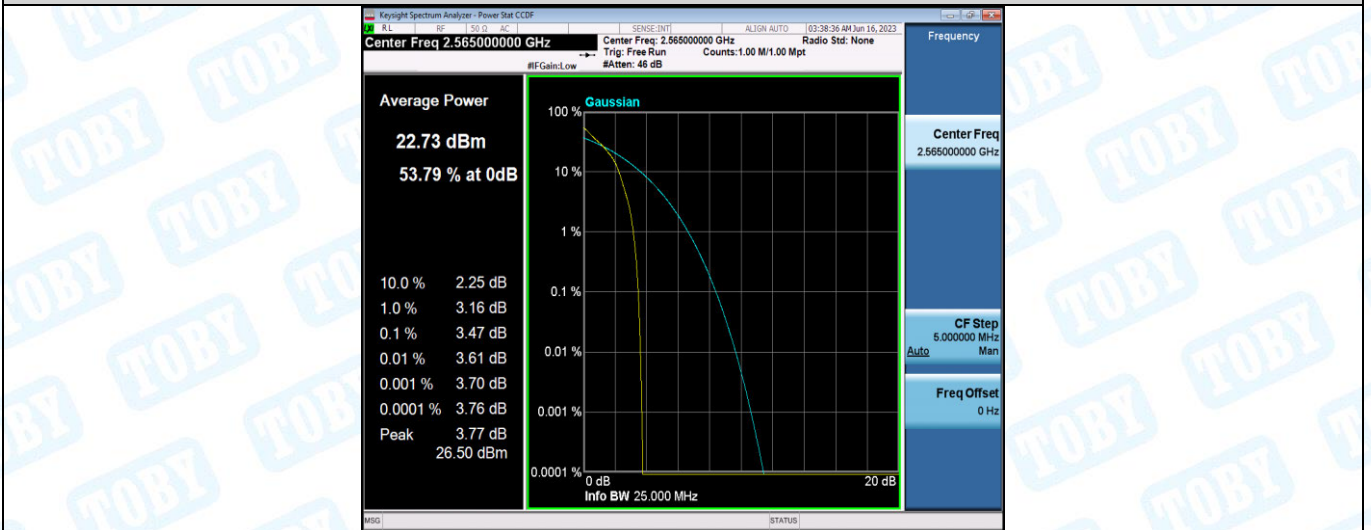
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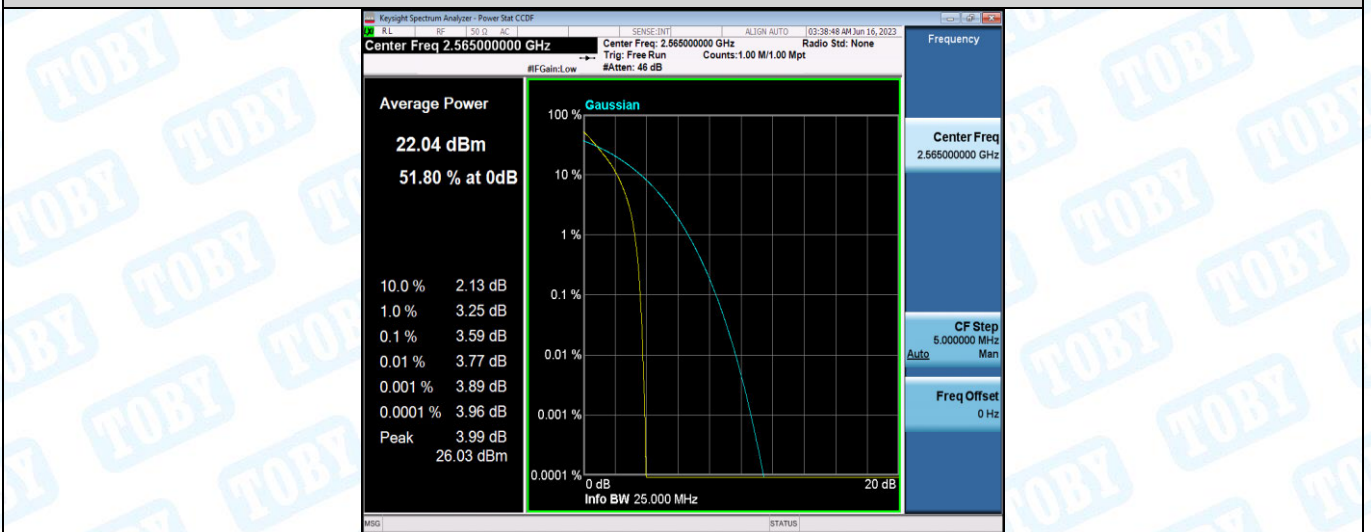
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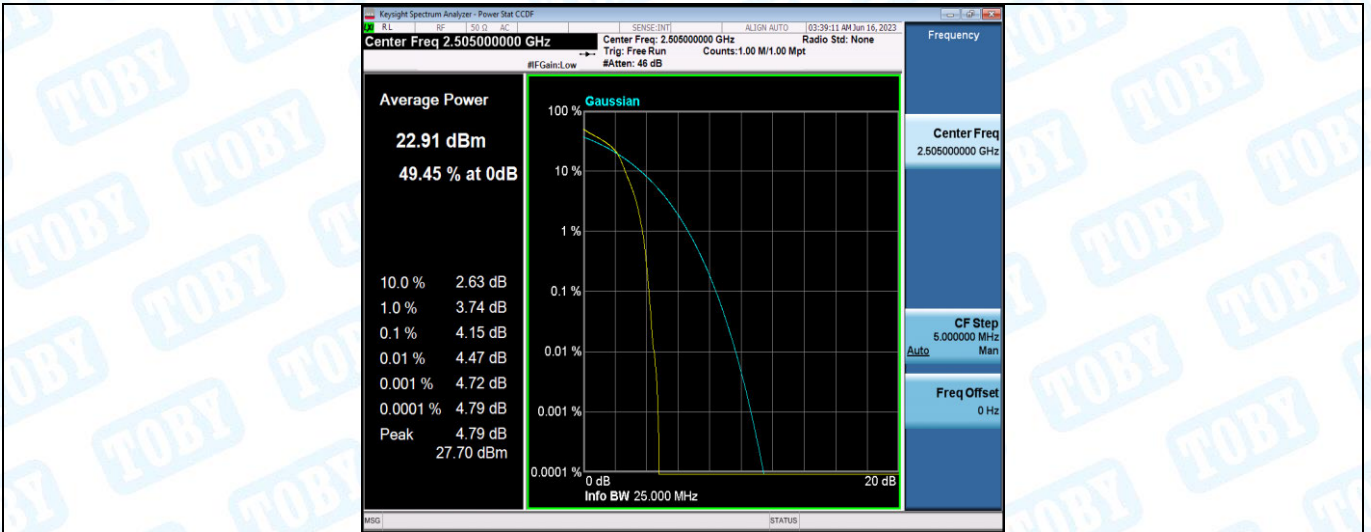
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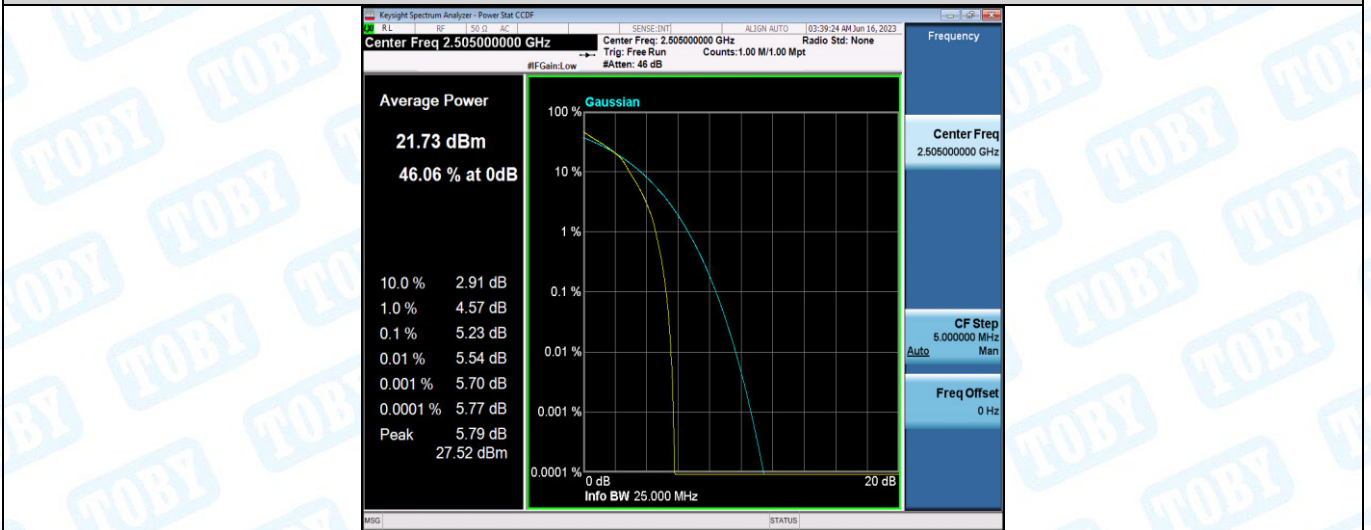
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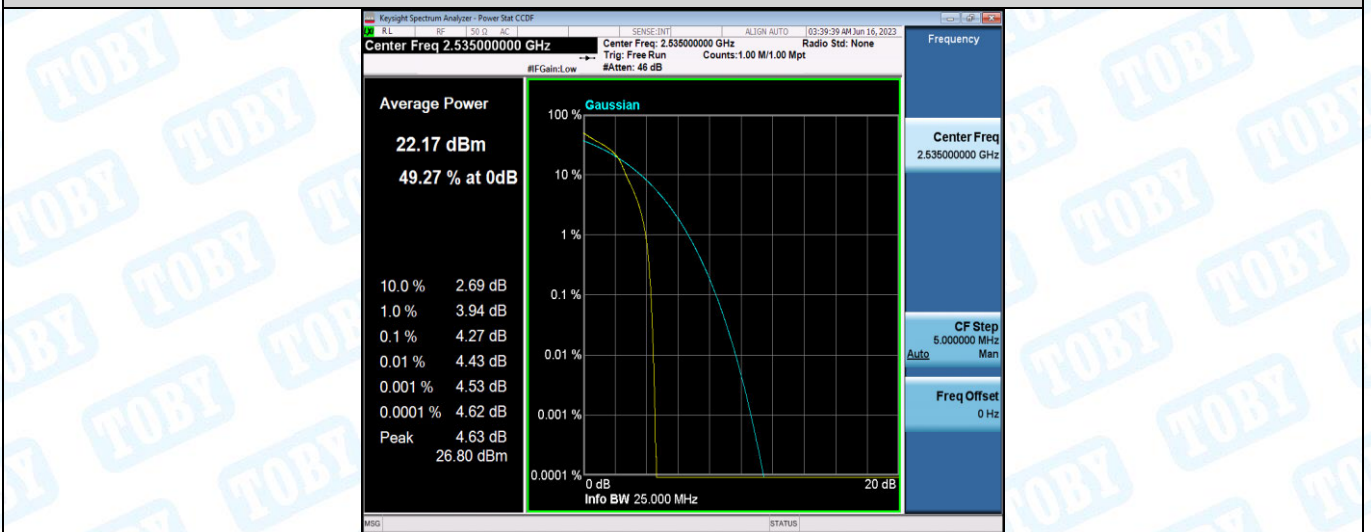
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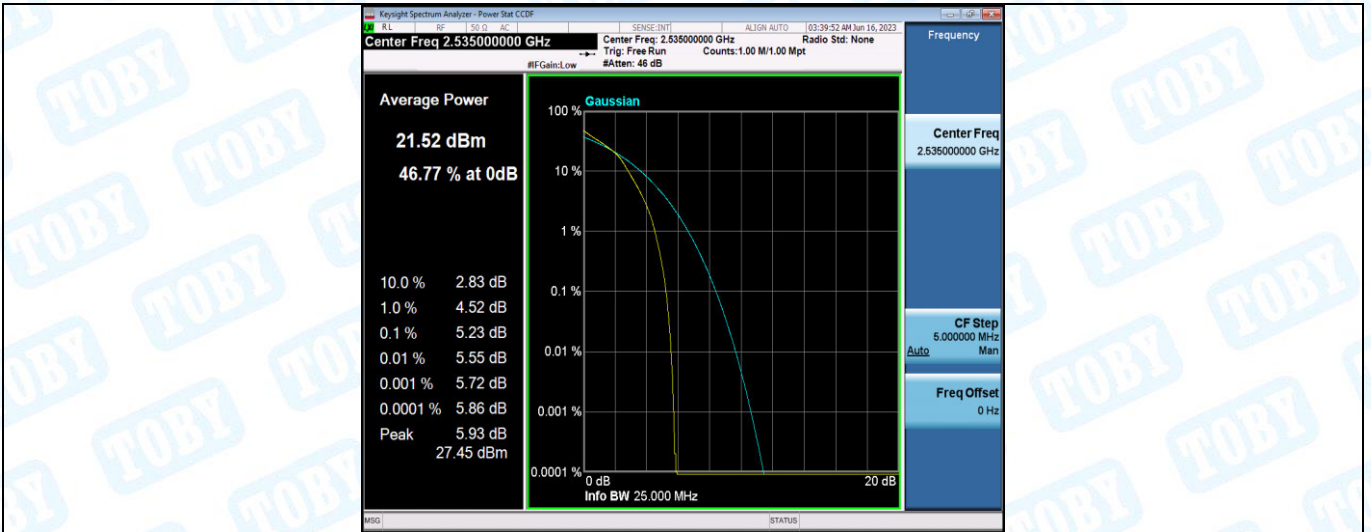
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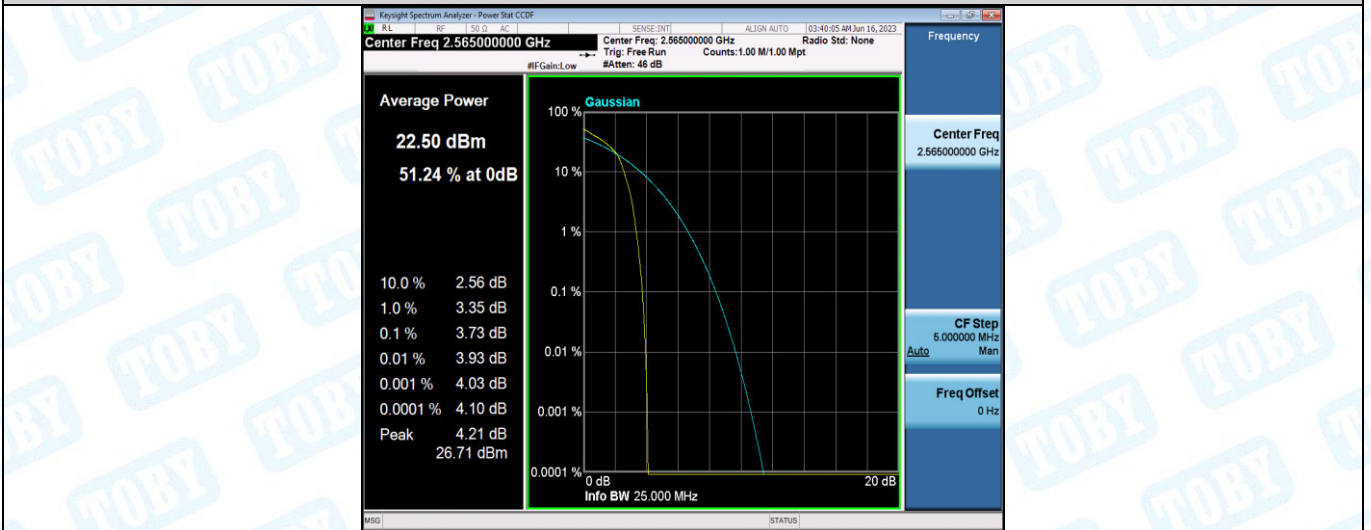
Band7-10MHz-16QAM-21100-1RB#0



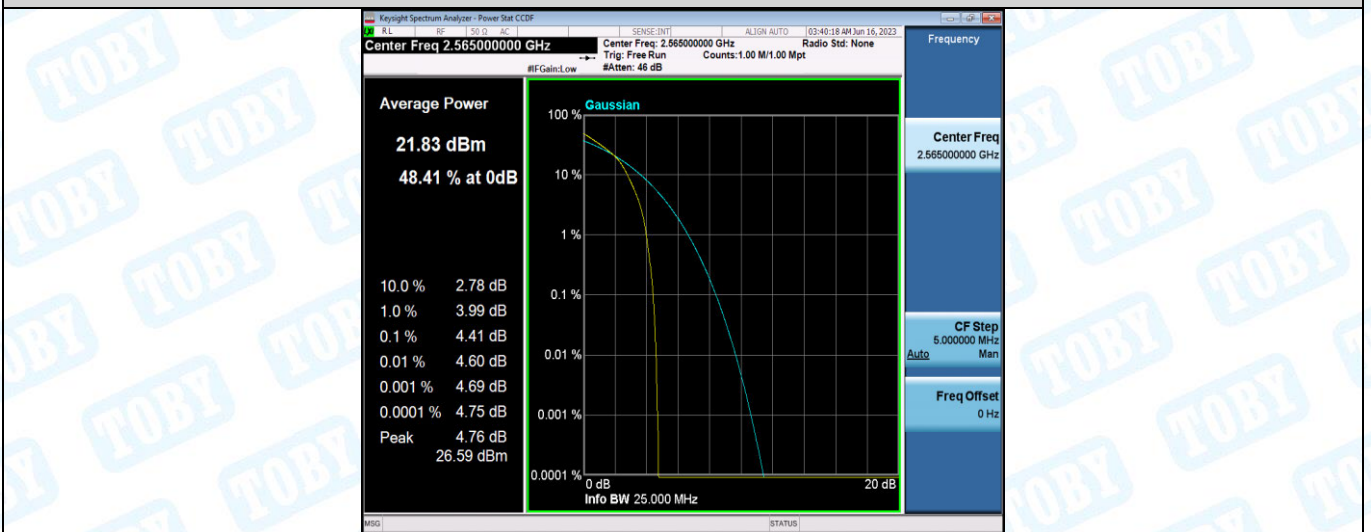
Band7-10MHz-16QAM-21100-27RB#0



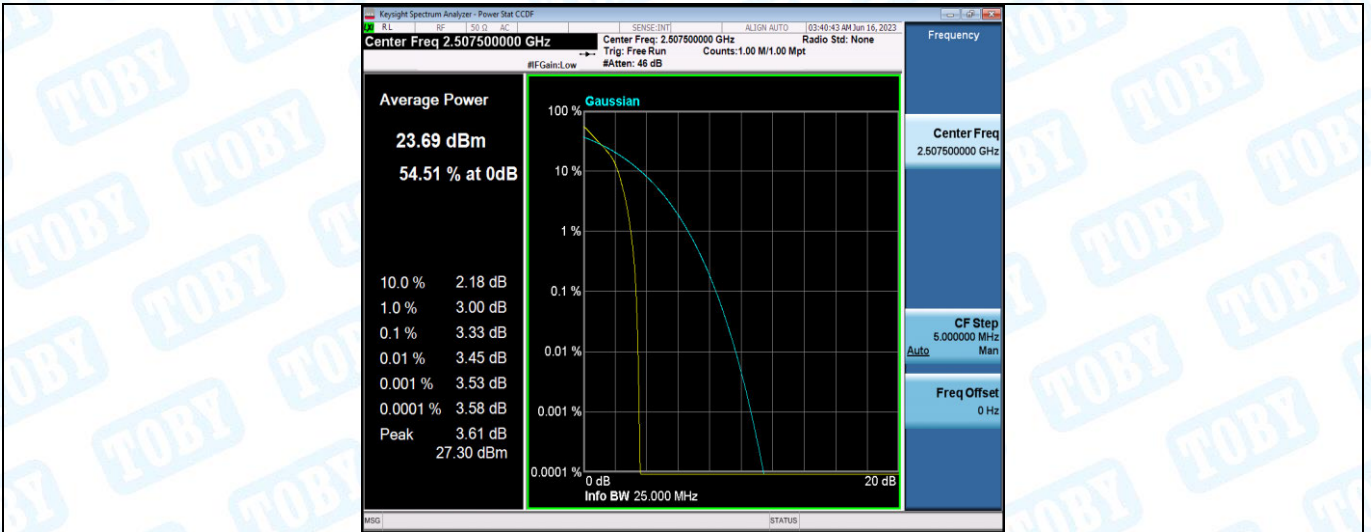
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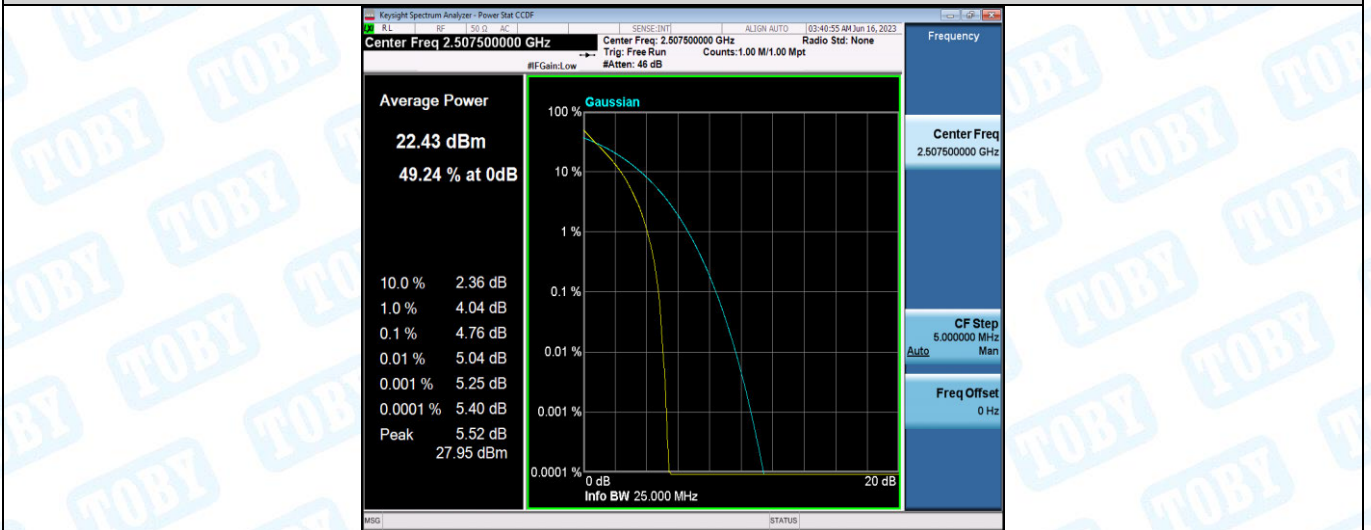
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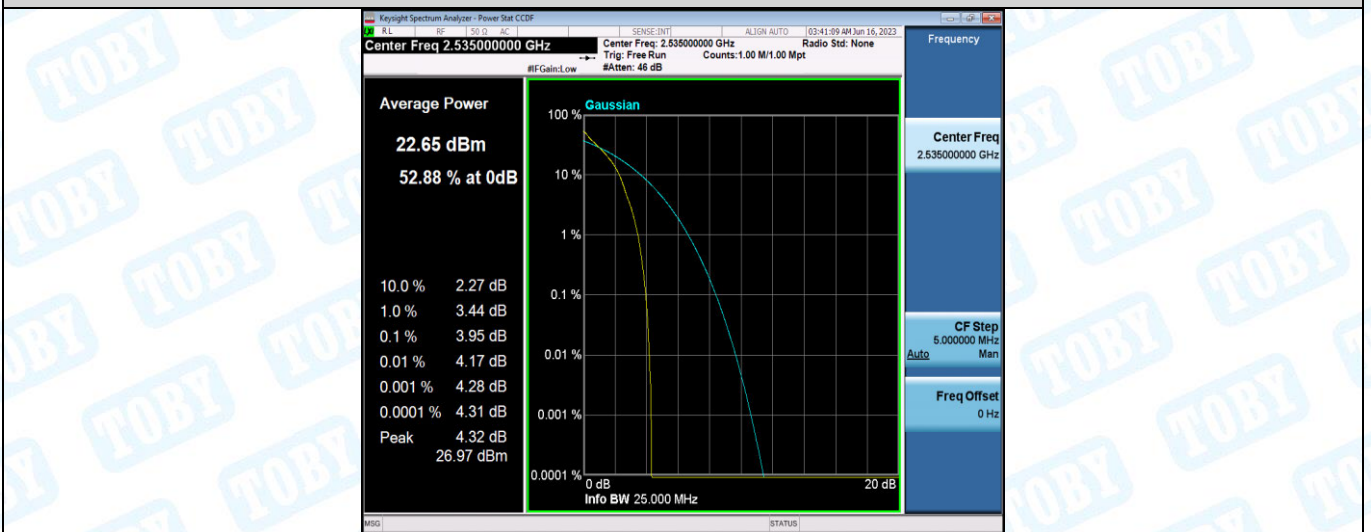
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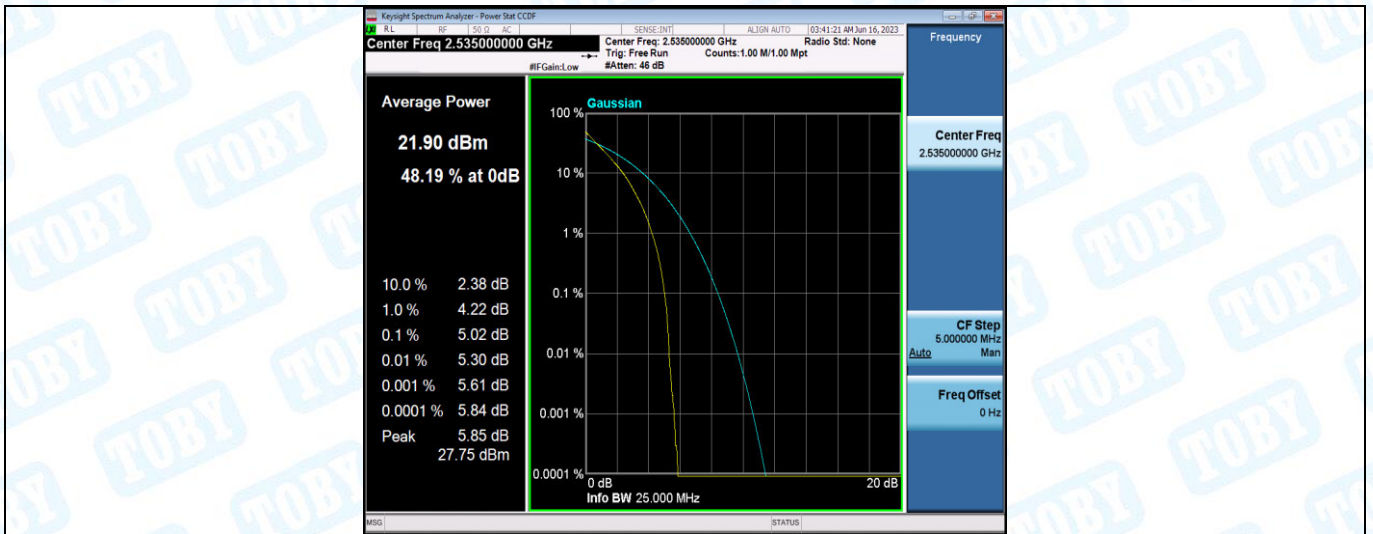
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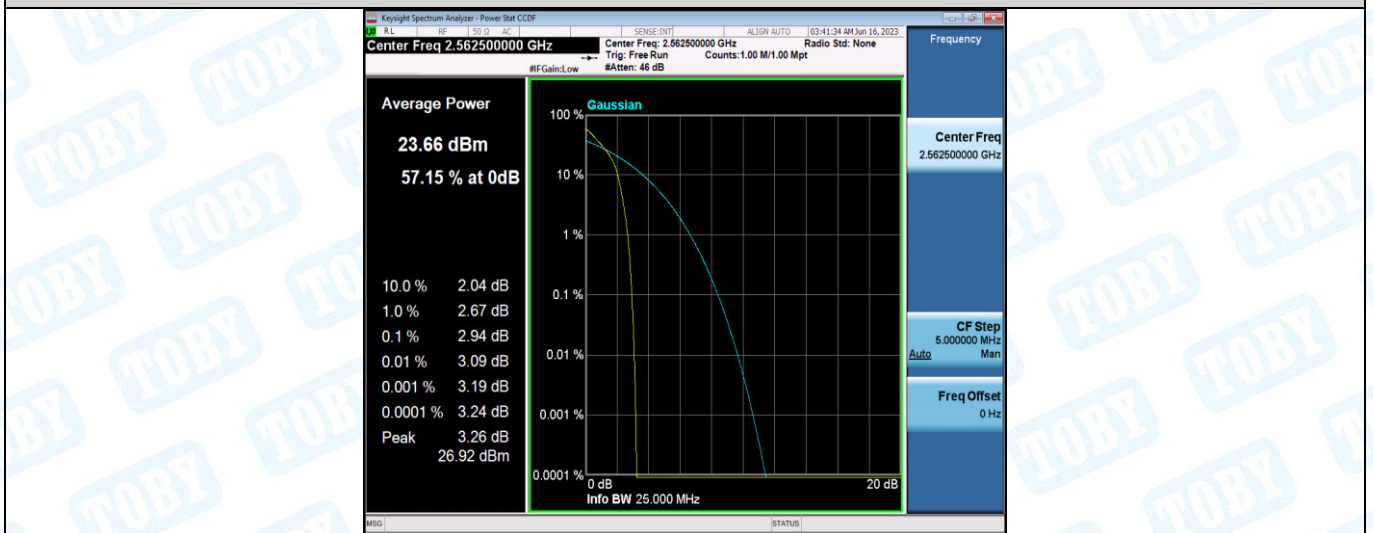
Band7-15MHz-QPSK-21100-1RB#0



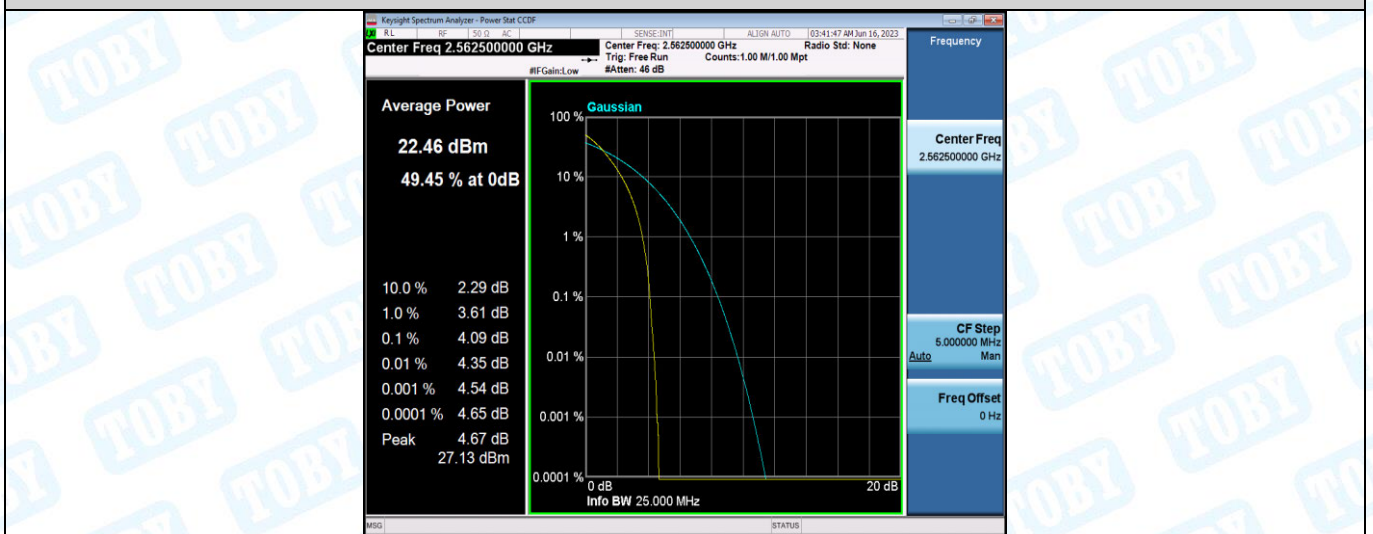
Band7-15MHz-QPSK-21100-75RB#0



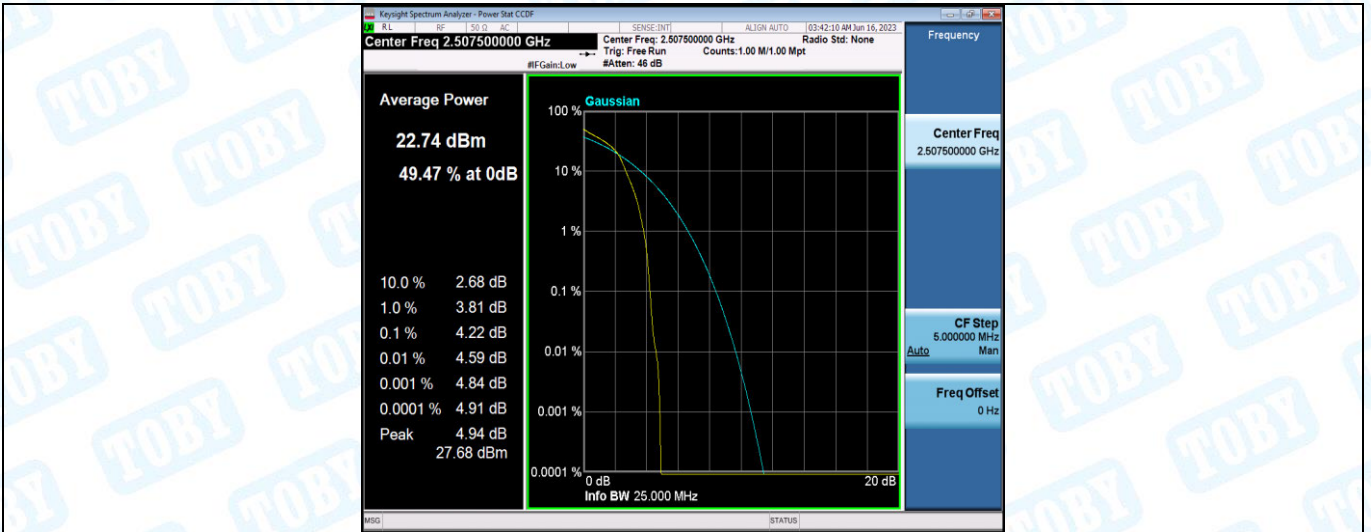
Band7-15MHz-QPSK-21375-1RB#0



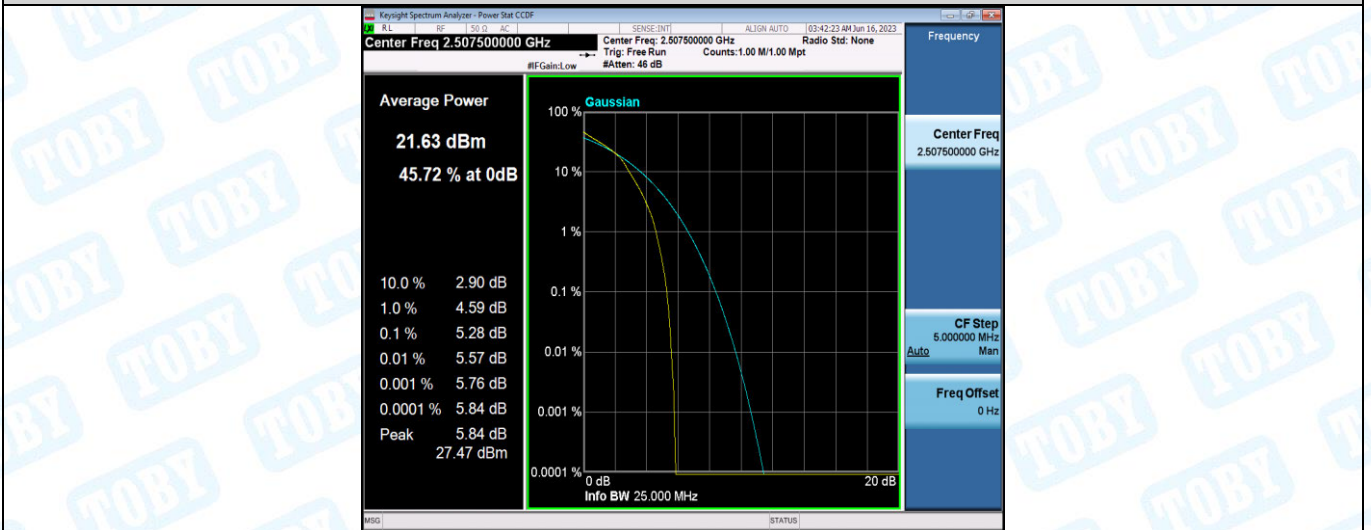
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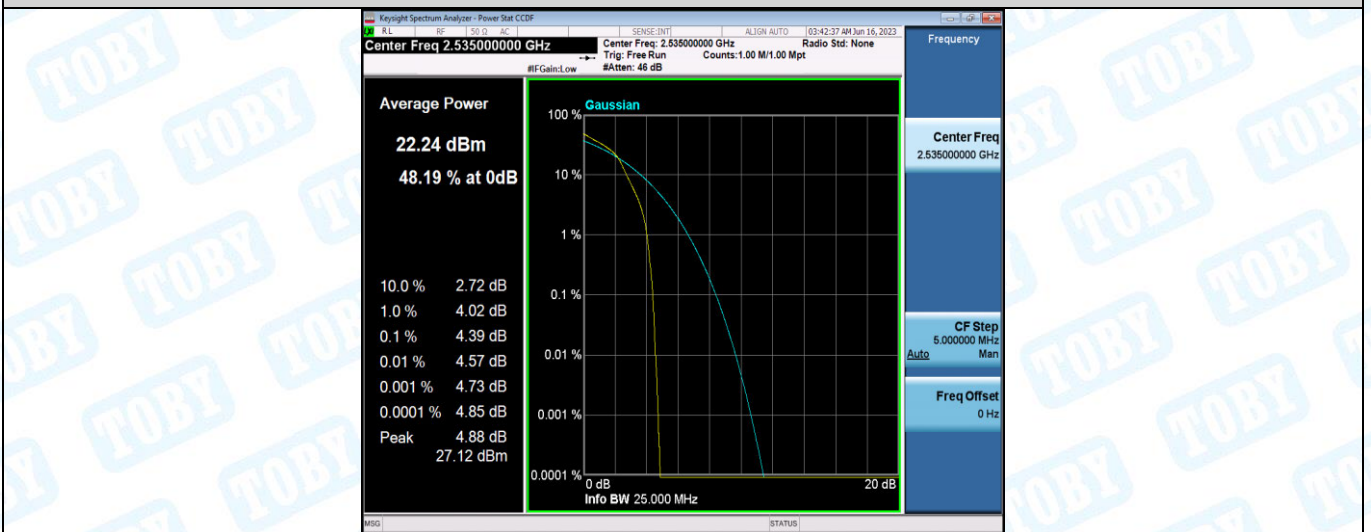
Band7-15MHz-16QAM-20825-1RB#0



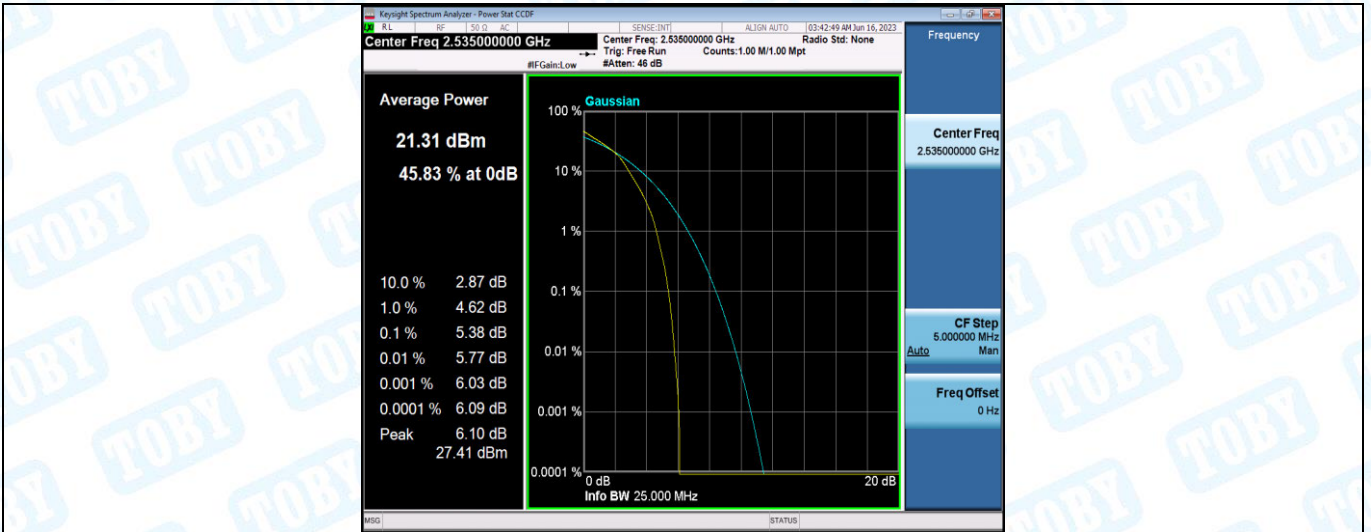
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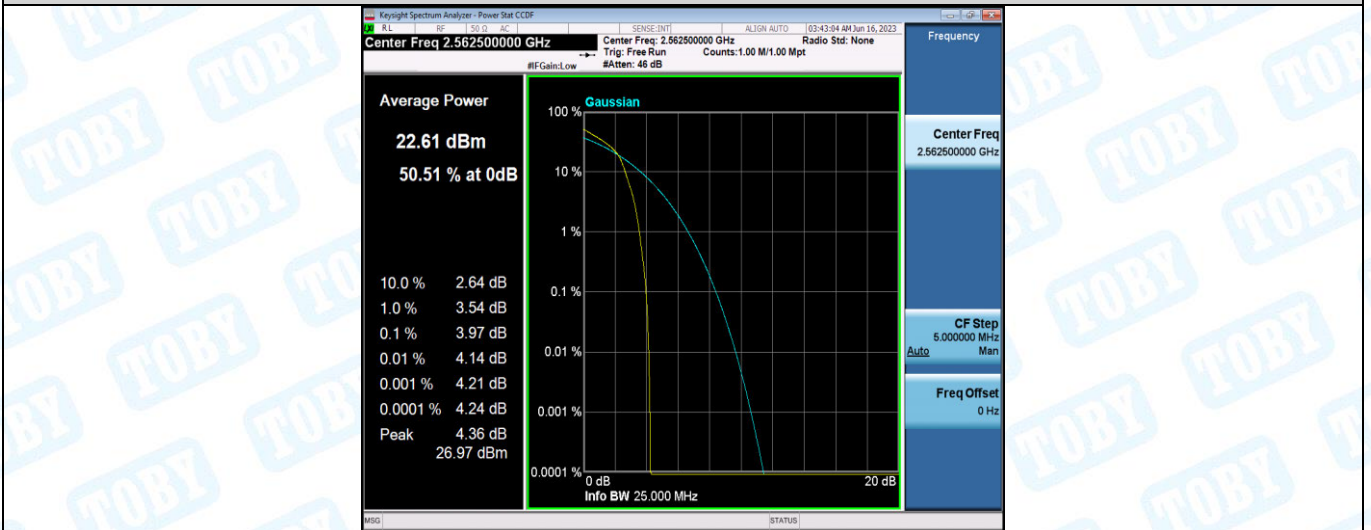
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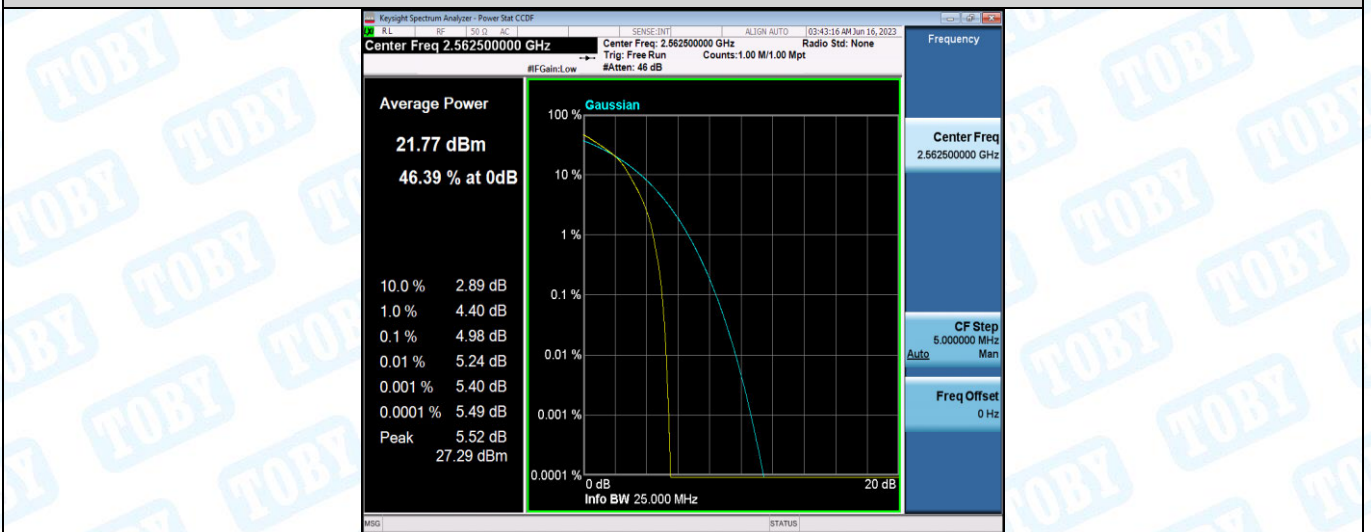
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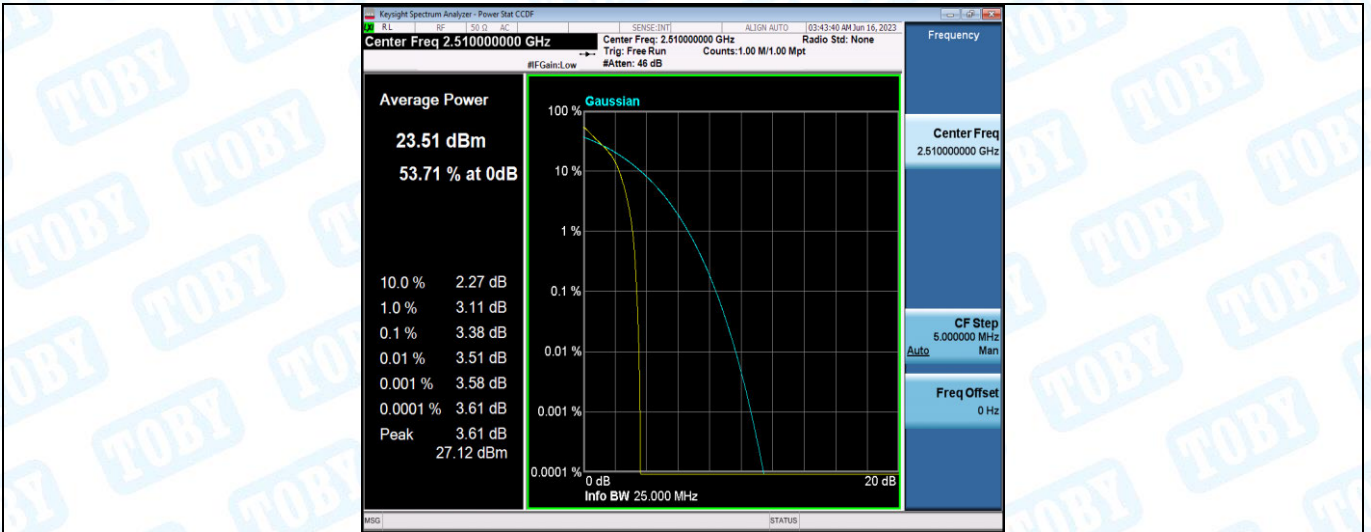
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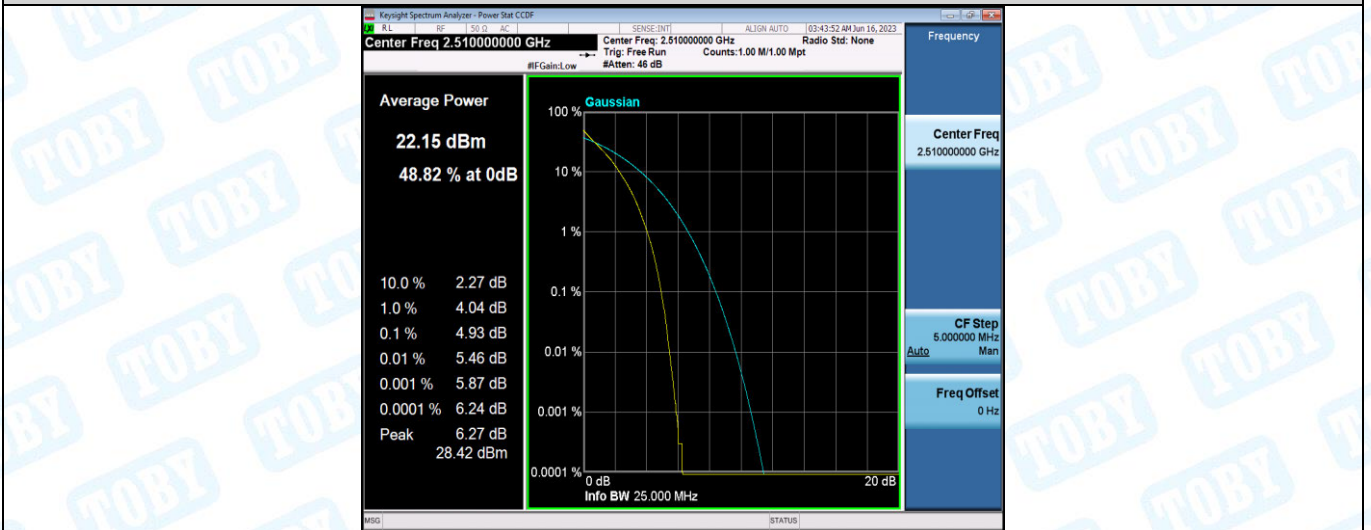
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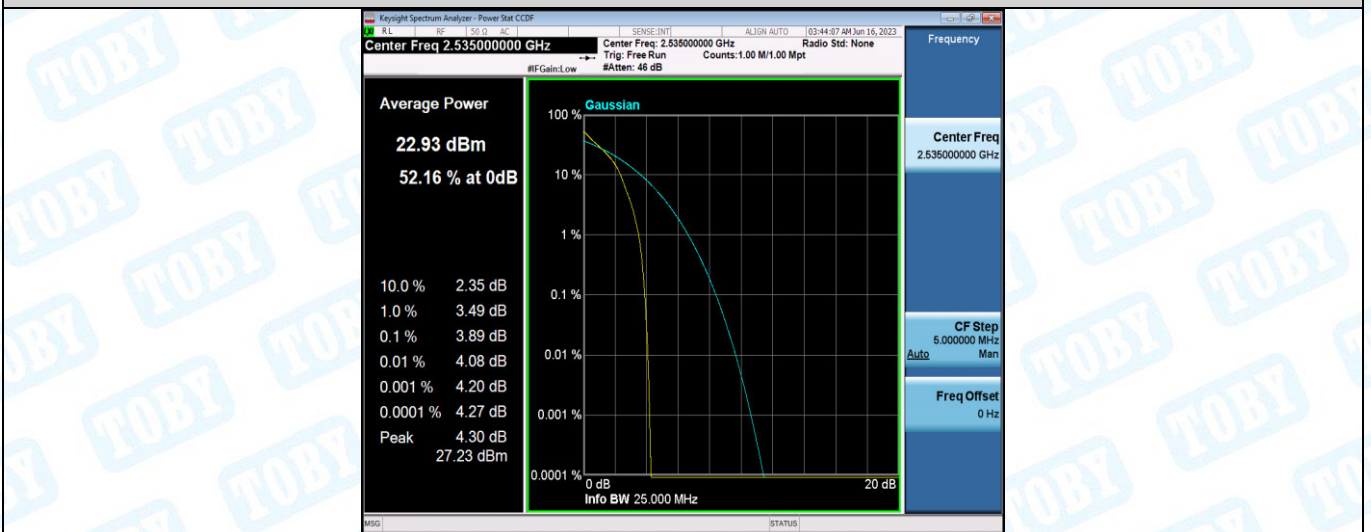
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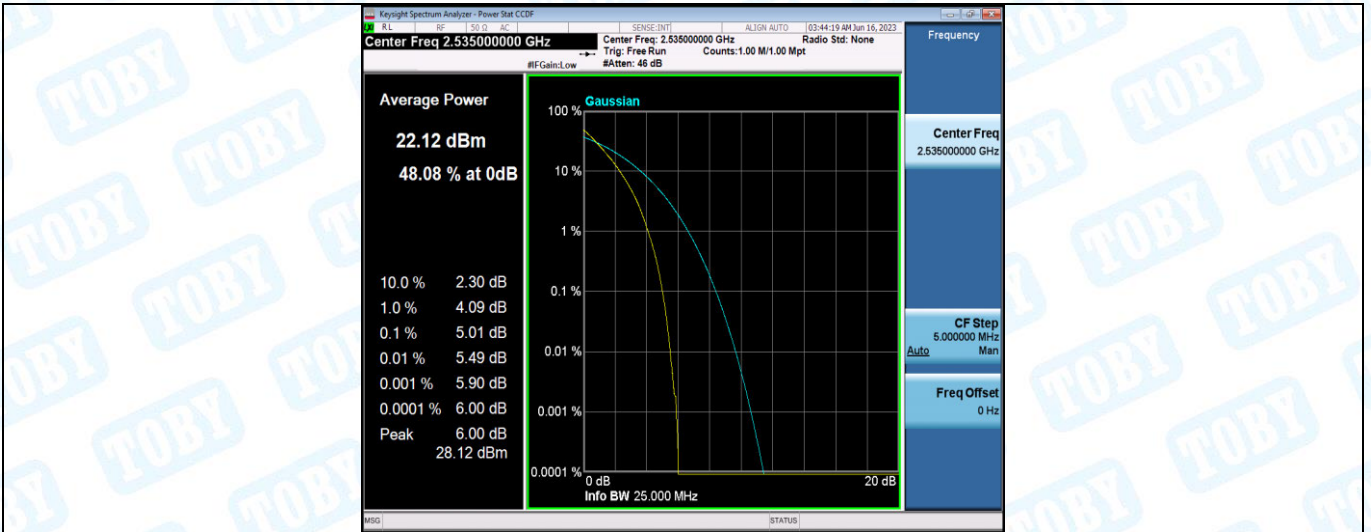
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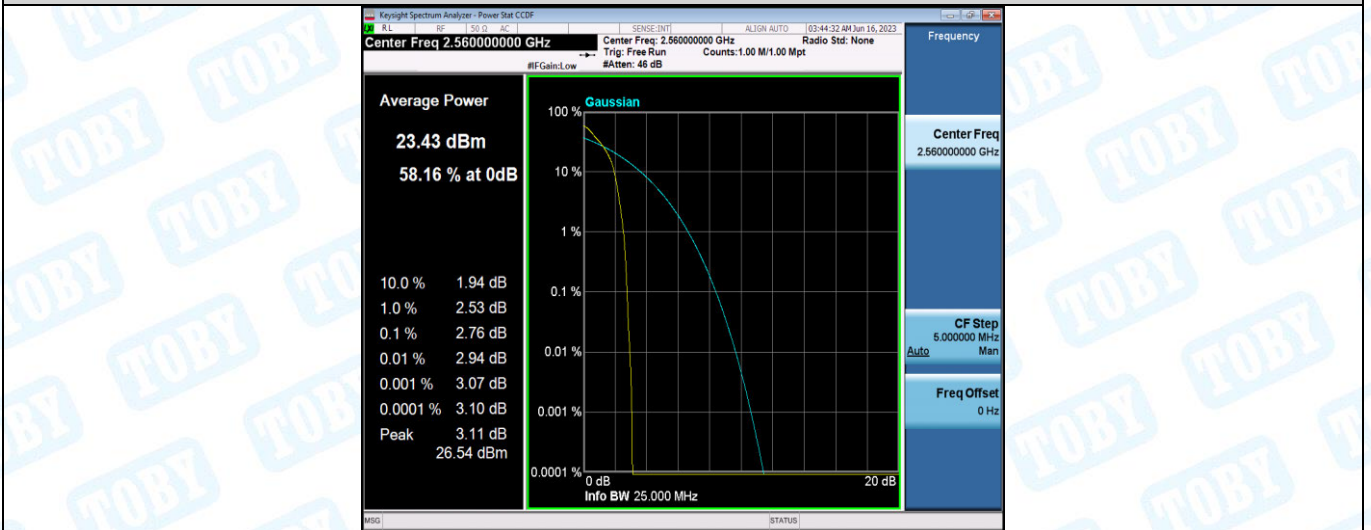
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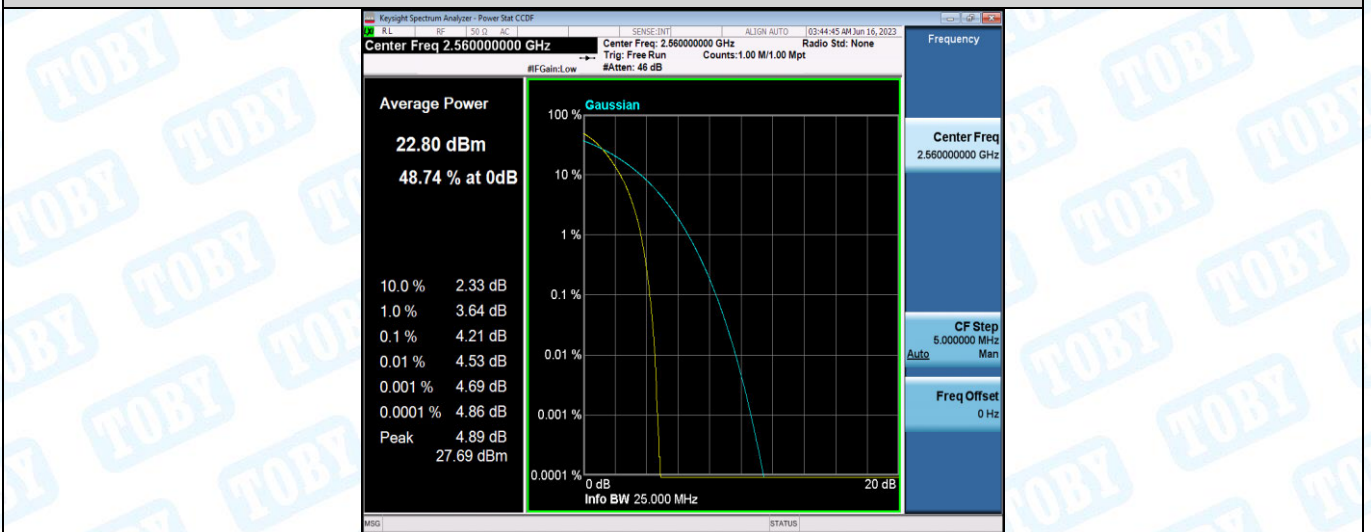
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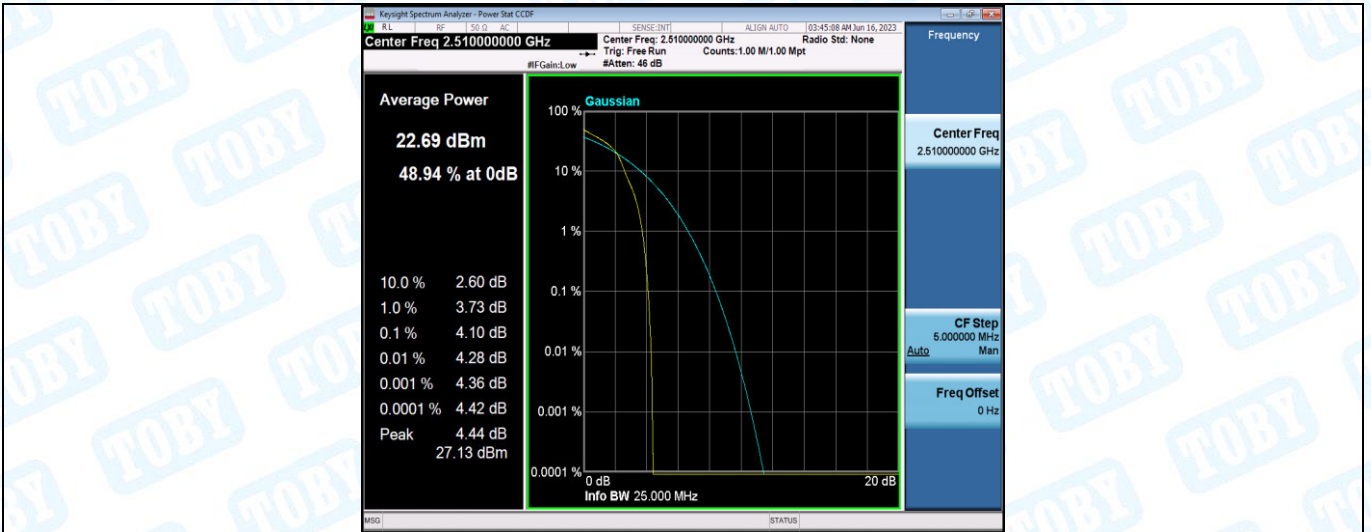
Band7-20MHz-QPSK-21350-1RB#0



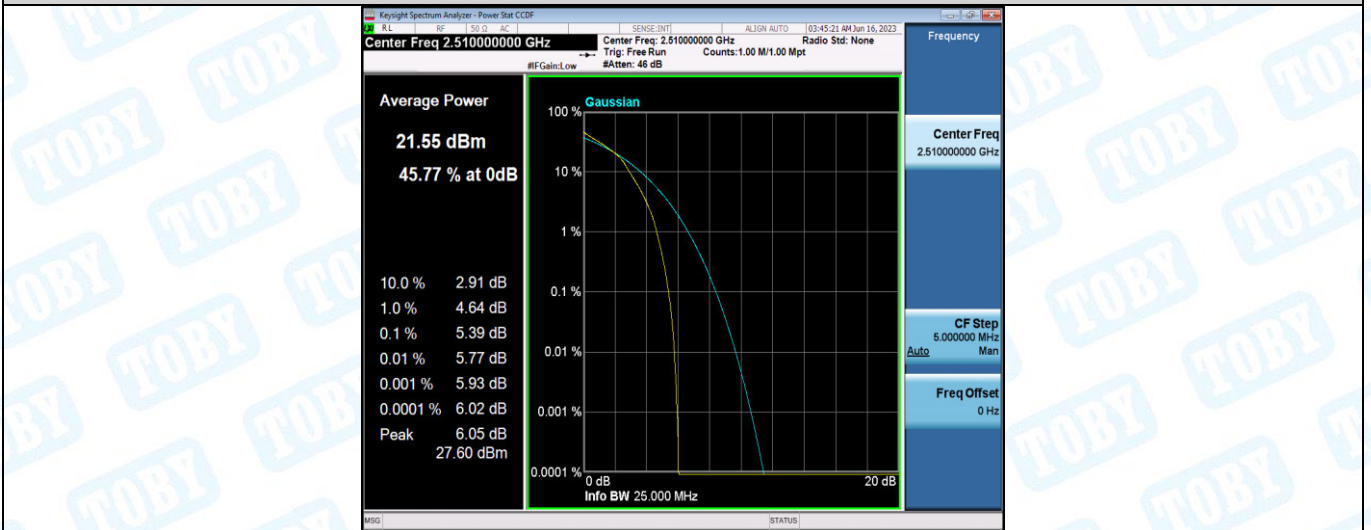
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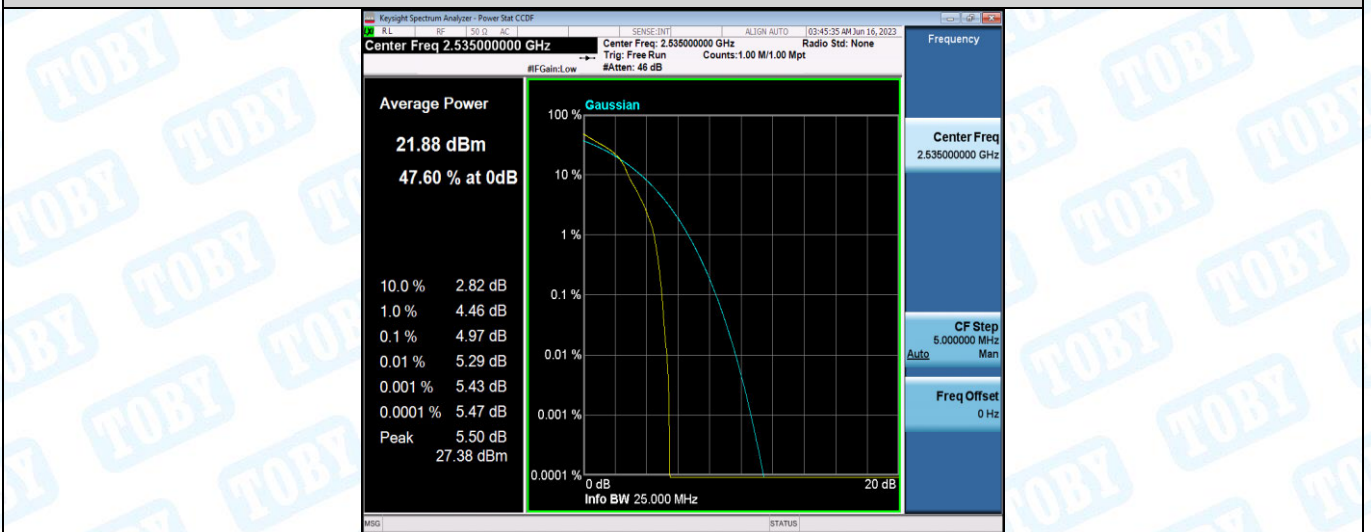
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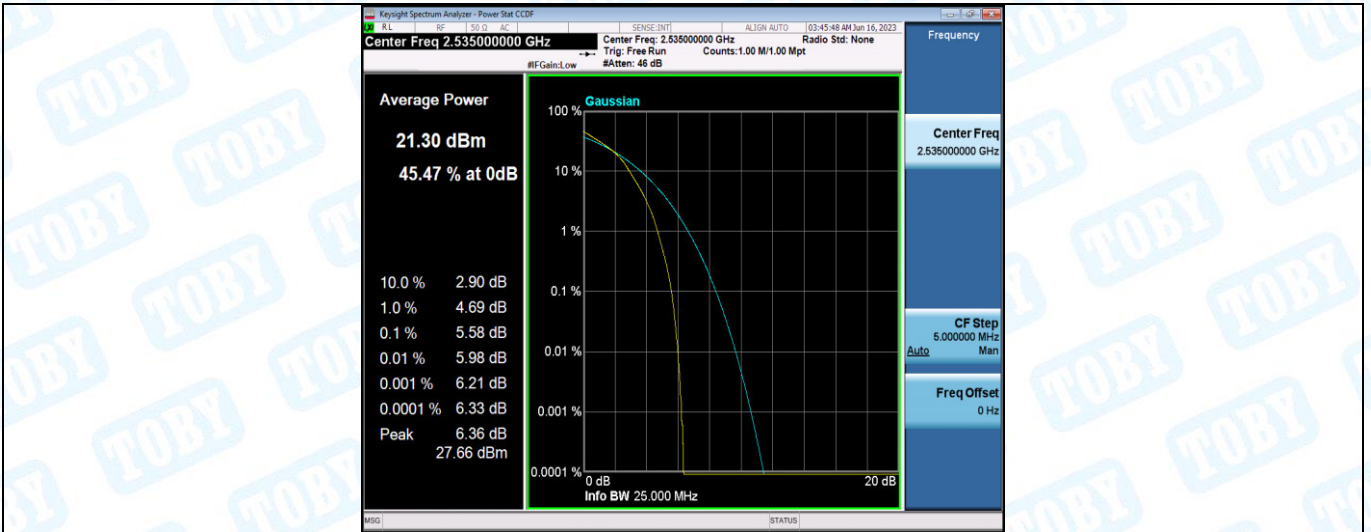
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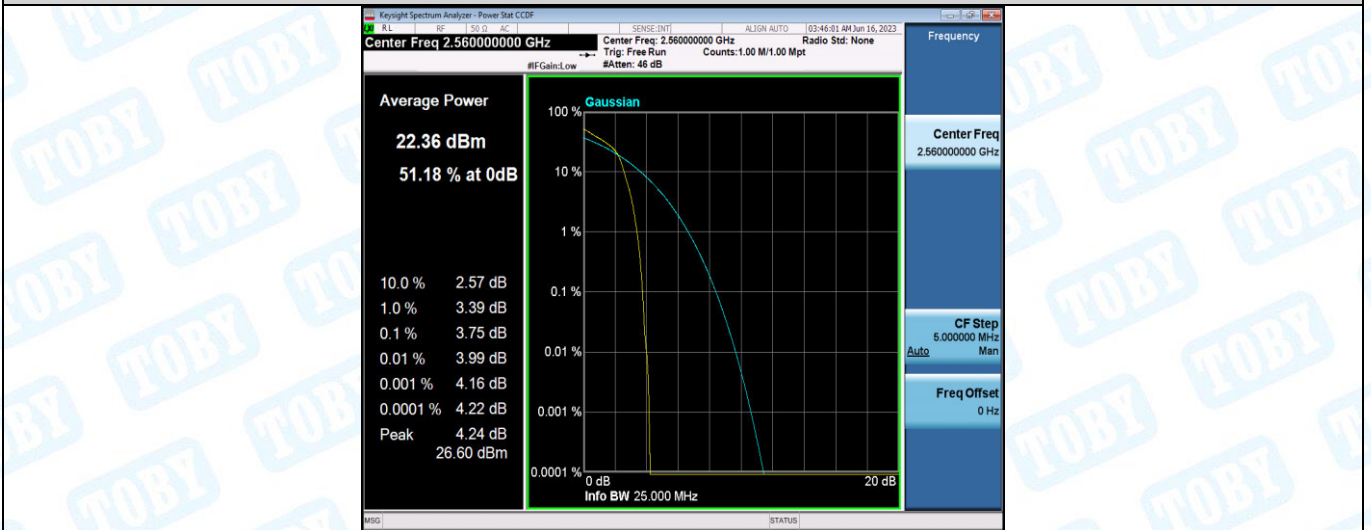
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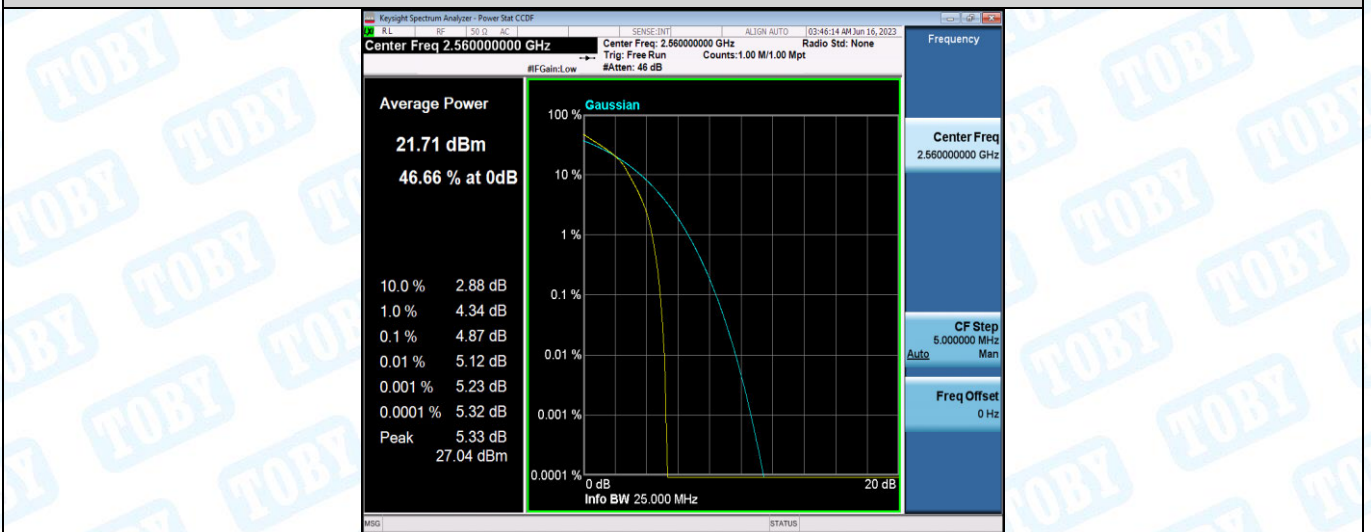
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Band7-20MHz-16QAM-21350-1RB#0



Band7-20MHz-16QAM-21350-27RB#0



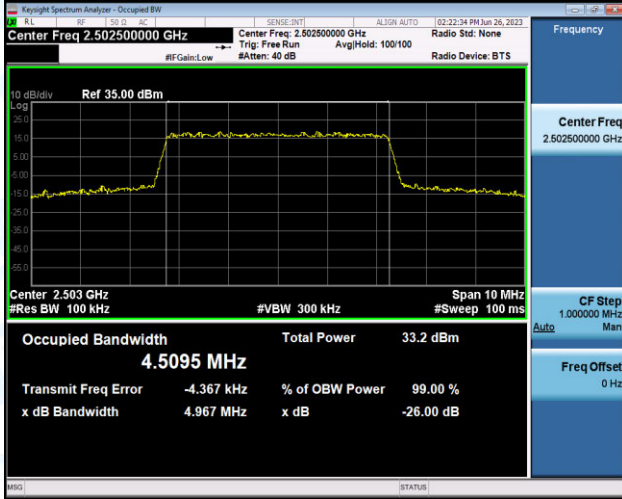
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

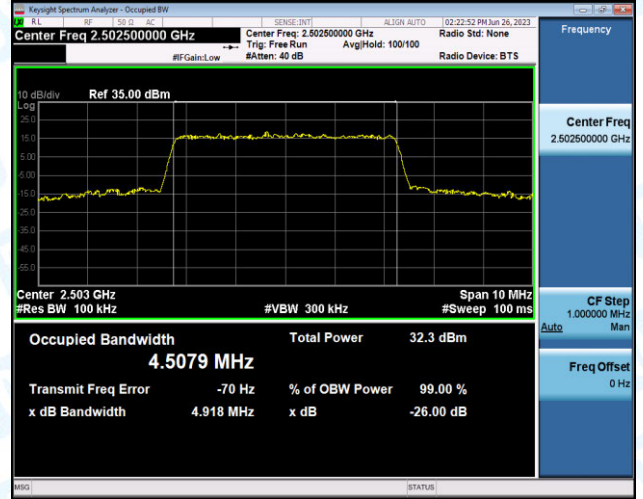
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5095	4.967	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5079	4.918	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4945	4.970	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5025	4.933	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5121	4.920	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5194	4.937	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9998	9.754	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9907	9.792	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9886	9.775	PASS
Band7	10MHz	16QAM	20800	27RB#0	5.0144	5.918	PASS
Band7	10MHz	16QAM	21100	27RB#0	4.9843	5.941	PASS
Band7	10MHz	16QAM	21400	27RB#0	5.0534	6.542	PASS
Band7	20MHz	16QAM	20850	27RB#0	5.3130	6.713	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.2687	6.721	PASS
Band7	20MHz	16QAM	21350	27RB#0	5.5213	9.760	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.549	14.77	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.461	14.67	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.507	18.28	PASS
Band7	15MHz	16QAM	20825	27RB#0	5.1940	6.330	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.1582	6.434	PASS
Band7	15MHz	16QAM	21375	27RB#0	5.3373	10.02	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.006	20.29	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.964	19.47	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.985	22.49	PASS

Test Graphs

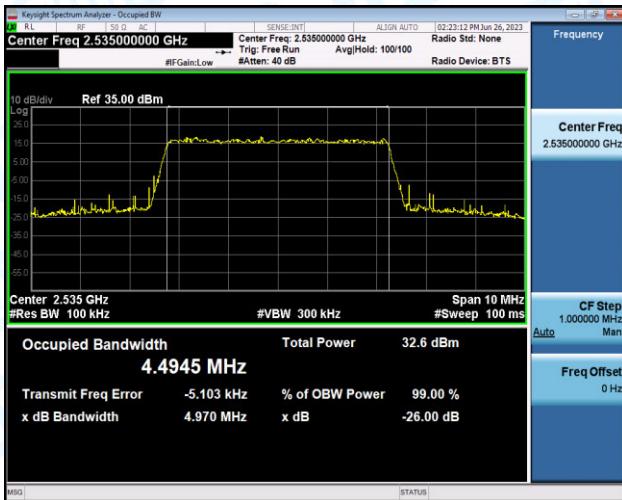
Band7-5MHz-QPSK-20775-25RB#0-PASS



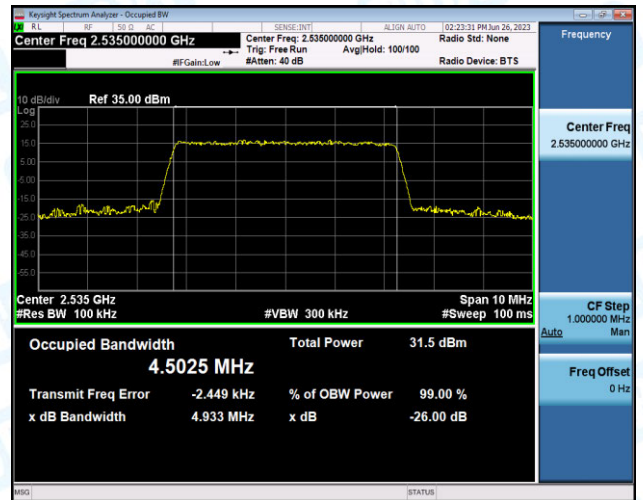
Band7-5MHz-16QAM-20775-25RB#0-PASS



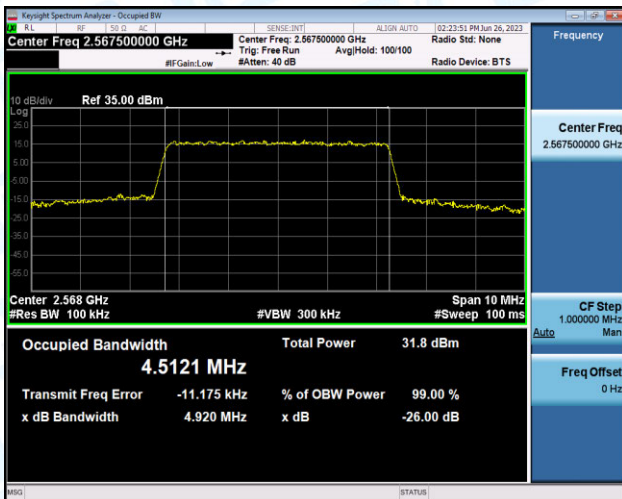
Band7-5MHz-QPSK-21100-25RB#0-PASS



Band7-5MHz-16QAM-21100-25RB#0-PASS



Band7-5MHz-QPSK-21425-25RB#0-PASS



Band7-5MHz-16QAM-21425-25RB#0-PASS

