

FCC Appendix RF Test Data for LTE band 2

Company : HK EKO ELECTRONICS LIMITED

EUT : GPS Tracker

Model Number : G05

Report No. : CTA26071602201

FCC ID : 2BR3K-GPSTRACK-G05

Reviewed By : Eric Wang

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	21.02	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	20.87	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	20.77	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	20.66	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	20.69	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	20.78	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	19.84	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	20.37	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	20.42	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	20.42	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	20.39	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	20.58	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	20.62	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	19.76	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	20.49	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	20.76	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	20.82	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	20.63	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	20.56	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	20.72	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	19.69	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	20.08	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	19.95	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	20.04	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	19.65	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	19.68	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	19.76	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	18.96	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	19.34	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	19.67	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	19.63	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	19.52	PASS

Band2	1.4MHz	16QAM	18900	3RB#1	19.56	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	19.66	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	18.73	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	19.71	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	19.95	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	19.88	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	19.68	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	19.72	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	19.82	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	18.80	PASS
Band2	3MHz	QPSK	18615	1RB#0	20.74	PASS
Band2	3MHz	QPSK	18615	1RB#8	21.09	PASS
Band2	3MHz	QPSK	18615	1RB#14	20.99	PASS
Band2	3MHz	QPSK	18615	8RB#0	20.03	PASS
Band2	3MHz	QPSK	18615	8RB#4	20.05	PASS
Band2	3MHz	QPSK	18615	8RB#7	20.15	PASS
Band2	3MHz	QPSK	18615	15RB#0	20.09	PASS
Band2	3MHz	QPSK	18900	1RB#0	20.45	PASS
Band2	3MHz	QPSK	18900	1RB#8	20.60	PASS
Band2	3MHz	QPSK	18900	1RB#14	20.57	PASS
Band2	3MHz	QPSK	18900	8RB#0	19.77	PASS
Band2	3MHz	QPSK	18900	8RB#4	19.80	PASS
Band2	3MHz	QPSK	18900	8RB#7	19.84	PASS
Band2	3MHz	QPSK	18900	15RB#0	19.81	PASS
Band2	3MHz	QPSK	19185	1RB#0	20.18	PASS
Band2	3MHz	QPSK	19185	1RB#8	20.45	PASS
Band2	3MHz	QPSK	19185	1RB#14	20.47	PASS
Band2	3MHz	QPSK	19185	8RB#0	19.22	PASS
Band2	3MHz	QPSK	19185	8RB#4	19.25	PASS
Band2	3MHz	QPSK	19185	8RB#7	19.52	PASS
Band2	3MHz	QPSK	19185	15RB#0	19.46	PASS
Band2	3MHz	16QAM	18615	1RB#0	20.07	PASS
Band2	3MHz	16QAM	18615	1RB#8	20.32	PASS
Band2	3MHz	16QAM	18615	1RB#14	20.25	PASS
Band2	3MHz	16QAM	18615	8RB#0	19.12	PASS
Band2	3MHz	16QAM	18615	8RB#4	19.22	PASS
Band2	3MHz	16QAM	18615	8RB#7	19.34	PASS

Band2	3MHz	16QAM	18615	15RB#0	19.14	PASS
Band2	3MHz	16QAM	18900	1RB#0	19.60	PASS
Band2	3MHz	16QAM	18900	1RB#8	19.82	PASS
Band2	3MHz	16QAM	18900	1RB#14	19.73	PASS
Band2	3MHz	16QAM	18900	8RB#0	18.87	PASS
Band2	3MHz	16QAM	18900	8RB#4	18.86	PASS
Band2	3MHz	16QAM	18900	8RB#7	18.90	PASS
Band2	3MHz	16QAM	18900	15RB#0	18.88	PASS
Band2	3MHz	16QAM	19185	1RB#0	19.13	PASS
Band2	3MHz	16QAM	19185	1RB#8	19.48	PASS
Band2	3MHz	16QAM	19185	1RB#14	19.62	PASS
Band2	3MHz	16QAM	19185	8RB#0	18.40	PASS
Band2	3MHz	16QAM	19185	8RB#4	18.44	PASS
Band2	3MHz	16QAM	19185	8RB#7	18.76	PASS
Band2	3MHz	16QAM	19185	15RB#0	18.53	PASS
Band2	5MHz	QPSK	18625	1RB#0	21.37	PASS
Band2	5MHz	QPSK	18625	1RB#12	21.43	PASS
Band2	5MHz	QPSK	18625	1RB#24	21.89	PASS
Band2	5MHz	QPSK	18625	12RB#0	20.47	PASS
Band2	5MHz	QPSK	18625	12RB#6	20.49	PASS
Band2	5MHz	QPSK	18625	12RB#13	20.71	PASS
Band2	5MHz	QPSK	18625	25RB#0	20.62	PASS
Band2	5MHz	QPSK	18900	1RB#0	20.92	PASS
Band2	5MHz	QPSK	18900	1RB#12	20.85	PASS
Band2	5MHz	QPSK	18900	1RB#24	21.21	PASS
Band2	5MHz	QPSK	18900	12RB#0	19.97	PASS
Band2	5MHz	QPSK	18900	12RB#6	20.02	PASS
Band2	5MHz	QPSK	18900	12RB#13	20.08	PASS
Band2	5MHz	QPSK	18900	25RB#0	20.06	PASS
Band2	5MHz	QPSK	19175	1RB#0	20.47	PASS
Band2	5MHz	QPSK	19175	1RB#12	20.21	PASS
Band2	5MHz	QPSK	19175	1RB#24	20.96	PASS
Band2	5MHz	QPSK	19175	12RB#0	19.26	PASS
Band2	5MHz	QPSK	19175	12RB#6	19.31	PASS
Band2	5MHz	QPSK	19175	12RB#13	19.62	PASS
Band2	5MHz	QPSK	19175	25RB#0	19.42	PASS
Band2	5MHz	16QAM	18625	1RB#0	20.32	PASS

Band2	5MHz	16QAM	18625	1RB#12	20.47	PASS
Band2	5MHz	16QAM	18625	1RB#24	20.84	PASS
Band2	5MHz	16QAM	18625	12RB#0	19.63	PASS
Band2	5MHz	16QAM	18625	12RB#6	19.63	PASS
Band2	5MHz	16QAM	18625	12RB#13	19.87	PASS
Band2	5MHz	16QAM	18625	25RB#0	19.65	PASS
Band2	5MHz	16QAM	18900	1RB#0	20.27	PASS
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Band2	5MHz	16QAM	18900	1RB#24	20.49	PASS
Band2	5MHz	16QAM	18900	12RB#0	19.09	PASS
Band2	5MHz	16QAM	18900	12RB#6	19.11	PASS
Band2	5MHz	16QAM	18900	12RB#13	19.16	PASS
Band2	5MHz	16QAM	18900	25RB#0	19.04	PASS
Band2	5MHz	16QAM	19175	1RB#0	19.52	PASS
Band2	5MHz	16QAM	19175	1RB#12	19.34	PASS
Band2	5MHz	16QAM	19175	1RB#24	20.09	PASS
Band2	5MHz	16QAM	19175	12RB#0	18.48	PASS
Band2	5MHz	16QAM	19175	12RB#6	18.48	PASS
Band2	5MHz	16QAM	19175	12RB#13	18.84	PASS
Band2	5MHz	16QAM	19175	25RB#0	18.66	PASS
Band2	10MHz	QPSK	18650	1RB#0	21.08	PASS
Band2	10MHz	QPSK	18650	1RB#24	21.38	PASS
Band2	10MHz	QPSK	18650	1RB#49	21.73	PASS
Band2	10MHz	QPSK	18650	25RB#0	20.44	PASS
Band2	10MHz	QPSK	18650	25RB#12	20.46	PASS
Band2	10MHz	QPSK	18650	25RB#25	20.68	PASS
Band2	10MHz	QPSK	18650	50RB#0	20.58	PASS
Band2	10MHz	QPSK	18900	1RB#0	21.02	PASS
Band2	10MHz	QPSK	18900	1RB#24	20.88	PASS
Band2	10MHz	QPSK	18900	1RB#49	21.29	PASS
Band2	10MHz	QPSK	18900	25RB#0	19.97	PASS
Band2	10MHz	QPSK	18900	25RB#12	20.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	20.16	PASS
Band2	10MHz	QPSK	18900	50RB#0	20.05	PASS
Band2	10MHz	QPSK	19150	1RB#0	20.77	PASS
Band2	10MHz	QPSK	19150	1RB#24	19.74	PASS
Band2	10MHz	QPSK	19150	1RB#49	20.37	PASS

Band2	10MHz	QPSK	19150	25RB#0	19.07	PASS
Band2	10MHz	QPSK	19150	25RB#12	19.16	PASS
Band2	10MHz	QPSK	19150	25RB#25	18.98	PASS
Band2	10MHz	QPSK	19150	50RB#0	19.02	PASS
Band2	15MHz	QPSK	18675	1RB#0	21.02	PASS
Band2	15MHz	QPSK	18675	1RB#38	21.57	PASS
Band2	15MHz	QPSK	18675	1RB#74	21.39	PASS
Band2	15MHz	QPSK	18675	38RB#0	20.58	PASS
Band2	15MHz	QPSK	18675	38RB#18	20.62	PASS
Band2	15MHz	QPSK	18675	38RB#37	20.61	PASS
Band2	15MHz	QPSK	18675	75RB#0	20.61	PASS
Band2	15MHz	QPSK	18900	1RB#0	20.85	PASS
Band2	15MHz	QPSK	18900	1RB#38	20.87	PASS
Band2	15MHz	QPSK	18900	1RB#74	21.41	PASS
Band2	15MHz	QPSK	18900	38RB#0	20.05	PASS
Band2	15MHz	QPSK	18900	38RB#18	20.20	PASS
Band2	15MHz	QPSK	18900	38RB#37	20.08	PASS
Band2	15MHz	QPSK	18900	75RB#0	20.07	PASS
Band2	15MHz	QPSK	19125	1RB#0	21.41	PASS
Band2	15MHz	QPSK	19125	1RB#38	20.01	PASS
Band2	15MHz	QPSK	19125	1RB#74	20.11	PASS
Band2	15MHz	QPSK	19125	38RB#0	19.39	PASS
Band2	15MHz	QPSK	19125	38RB#18	19.60	PASS
Band2	15MHz	QPSK	19125	38RB#37	19.59	PASS
Band2	15MHz	QPSK	19125	75RB#0	19.60	PASS
Band2	20MHz	QPSK	18700	1RB#0	21.45	PASS
Band2	20MHz	QPSK	18700	1RB#49	21.67	PASS
Band2	20MHz	QPSK	18700	1RB#99	21.30	PASS
Band2	20MHz	QPSK	18700	50RB#0	20.66	PASS
Band2	20MHz	QPSK	18700	50RB#25	20.68	PASS
Band2	20MHz	QPSK	18700	50RB#50	20.53	PASS
Band2	20MHz	QPSK	18700	100RB#0	20.63	PASS
Band2	20MHz	QPSK	18900	1RB#0	21.16	PASS
Band2	20MHz	QPSK	18900	1RB#49	20.89	PASS
Band2	20MHz	QPSK	18900	1RB#99	21.84	PASS
Band2	20MHz	QPSK	18900	50RB#0	20.11	PASS
Band2	20MHz	QPSK	18900	50RB#25	20.13	PASS

Band2	20MHz	QPSK	18900	50RB#50	20.45	PASS
Band2	20MHz	QPSK	18900	100RB#0	20.27	PASS
Band2	20MHz	QPSK	19100	1RB#0	21.46	PASS
Band2	20MHz	QPSK	19100	1RB#49	20.77	PASS
Band2	20MHz	QPSK	19100	1RB#99	20.26	PASS
Band2	20MHz	QPSK	19100	50RB#0	20.52	PASS
Band2	20MHz	QPSK	19100	50RB#25	20.62	PASS
Band2	20MHz	QPSK	19100	50RB#50	19.30	PASS
Band2	20MHz	QPSK	19100	100RB#0	19.96	PASS

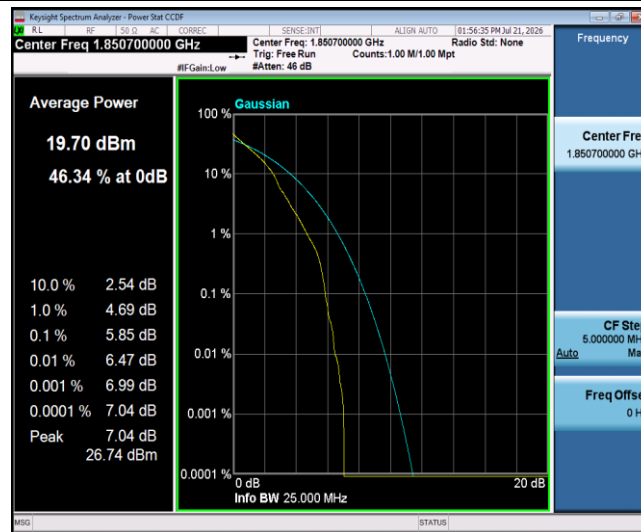
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

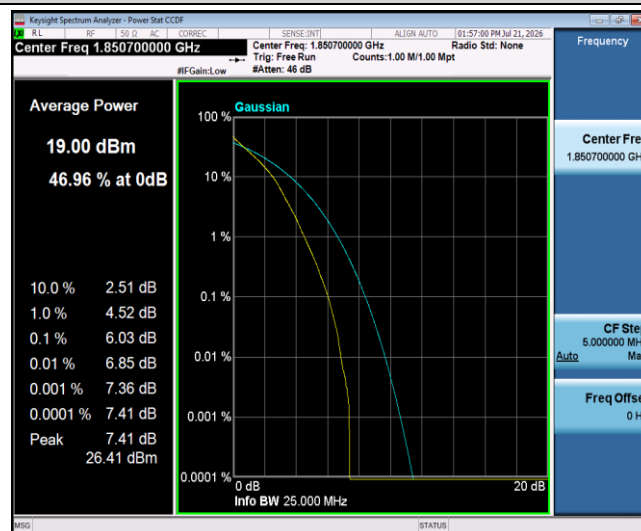
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	5.85	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	6.03	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	6.02	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.89	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	5.91	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	6.08	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	6.64	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.45	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	6.63	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.60	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	6.37	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.78	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	5.97	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.89	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	5.56	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.78	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	6.04	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	6.17	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	6.24	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.59	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	6.62	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.36	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	6.68	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.88	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	6.09	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.95	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	5.78	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	6.06	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	6.28	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	6.06	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	6.64	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.57	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	6.78	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.43	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	6.63	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.60	13	PASS

Band2	10MHz	QPSK	18650	1RB#0	5.99	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.72	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	6.06	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.97	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	5.95	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.83	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	5.91	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	6.02	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	5.79	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	6.27	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	5.94	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	6.14	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	6.08	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.66	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	5.94	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.96	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	5.84	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.85	13	PASS

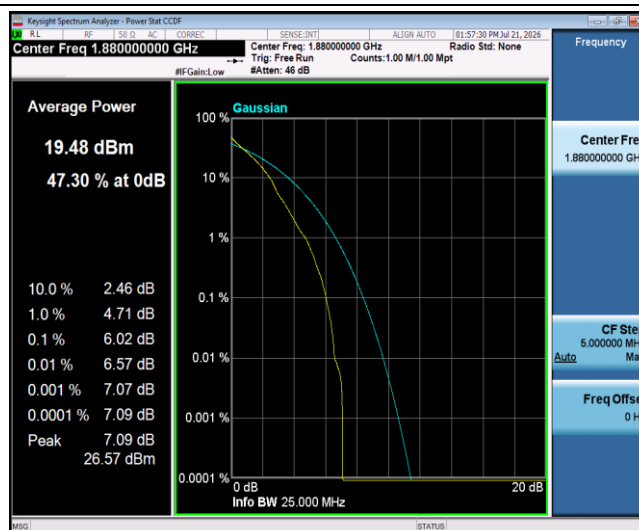
Test Graphs



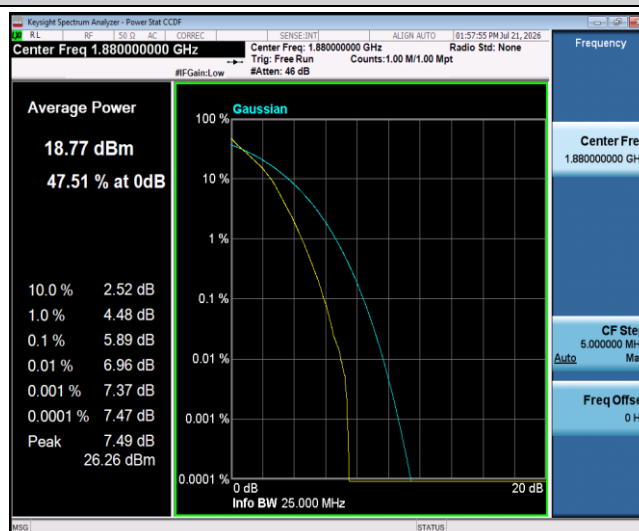
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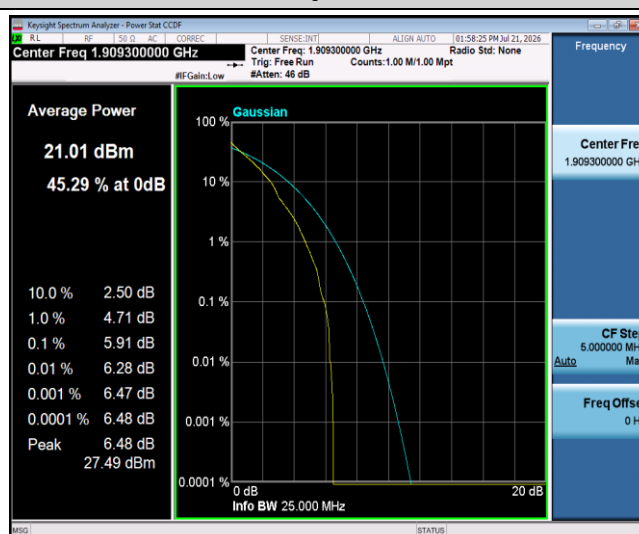
Band2-1.4MHz-QPSK-18607-6RB#0



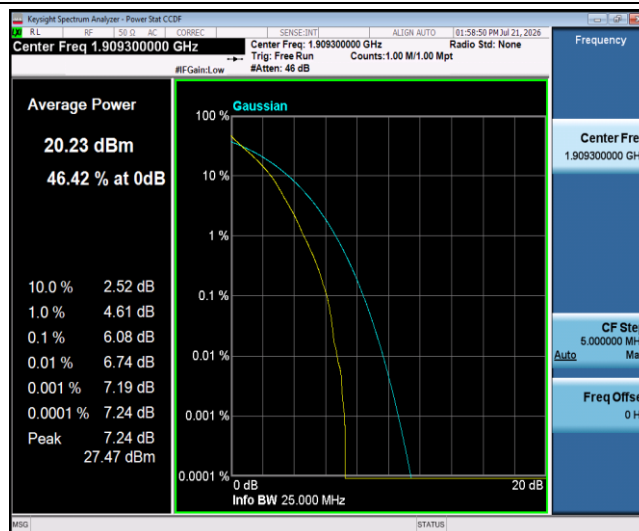
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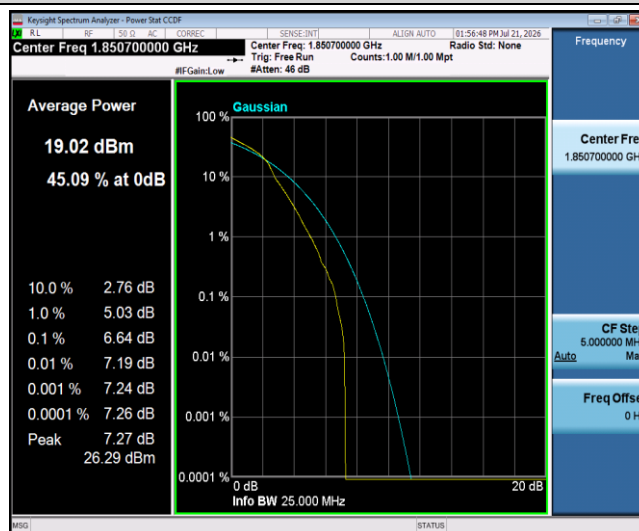
Band2-1.4MHz-QPSK-18900-6RB#0



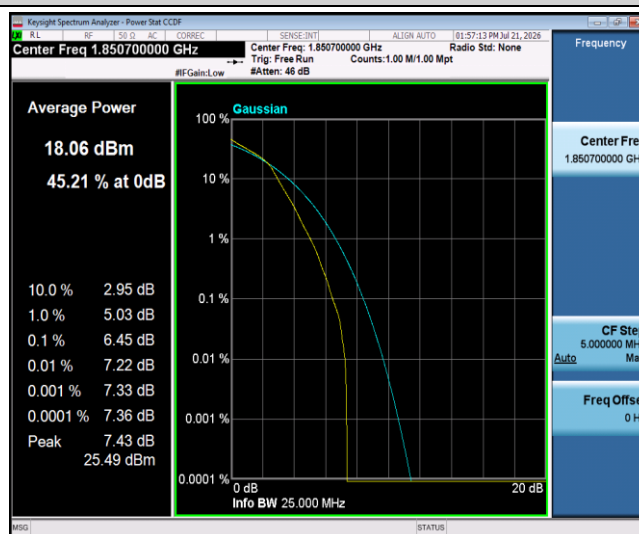
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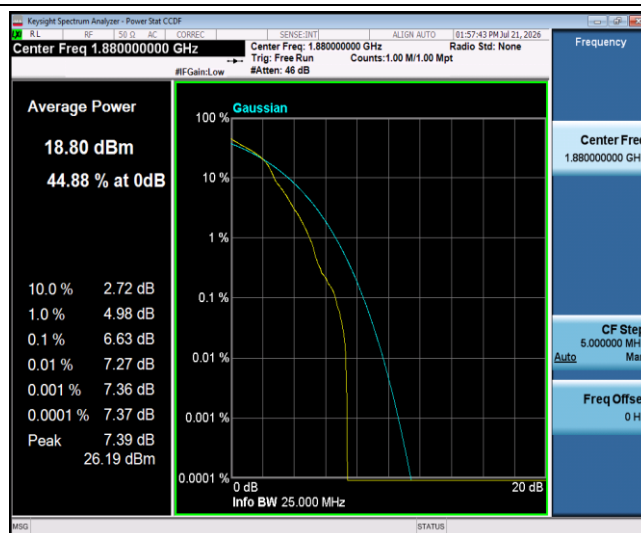
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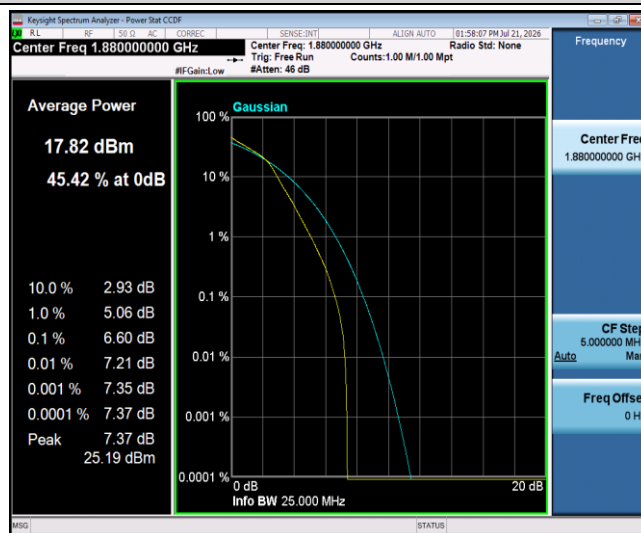
Band2-1.4MHz-16QAM-18607-1RB#0



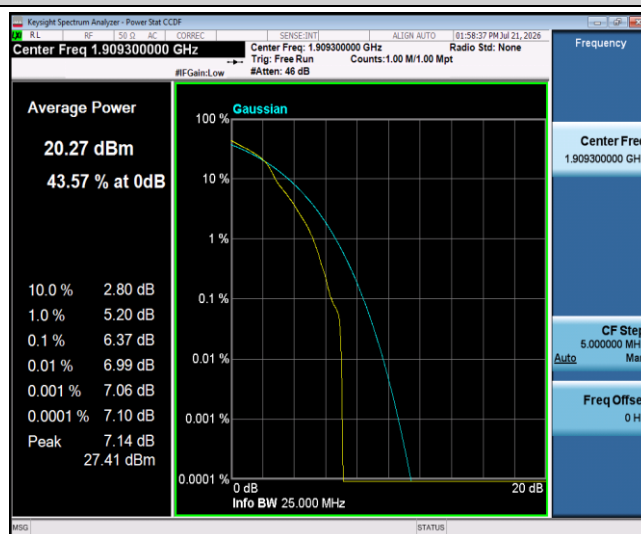
Band2-1.4MHz-16QAM-18607-6RB#0



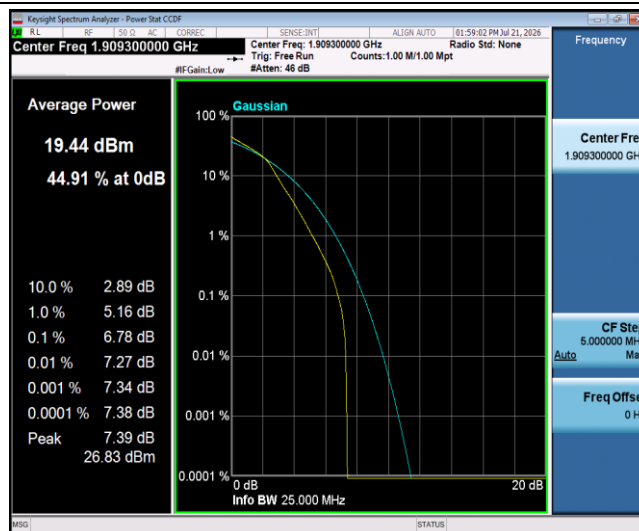
Band2-1.4MHz-16QAM-18900-1RB#0



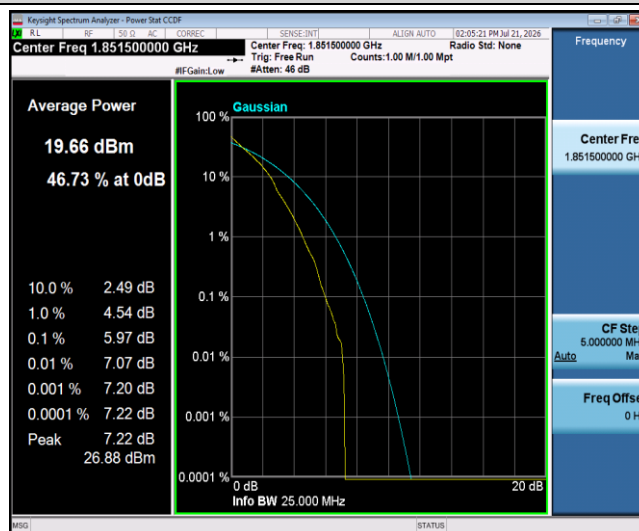
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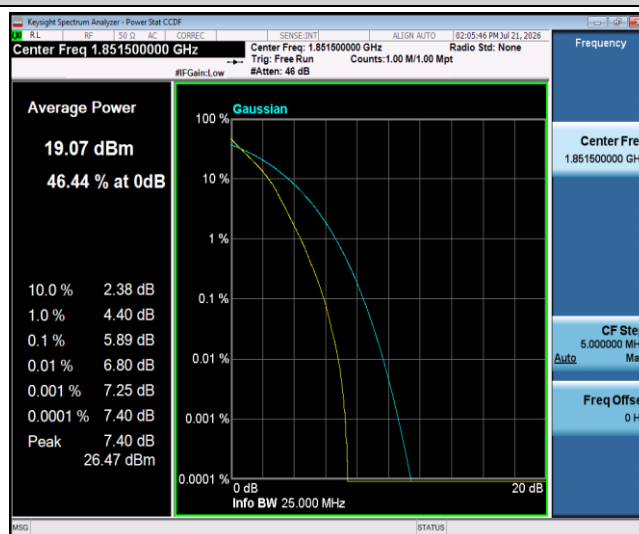
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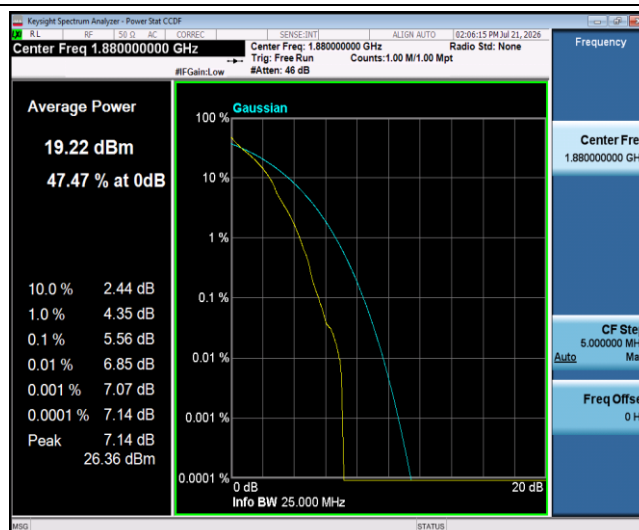
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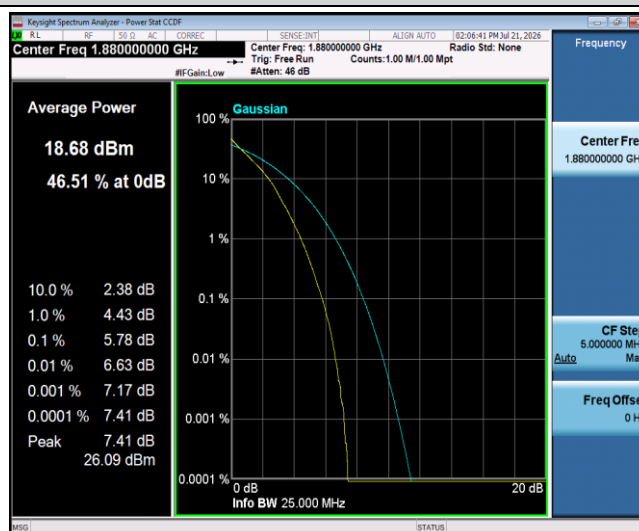
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Band2-3MHz-QPSK-18615-15RB#0



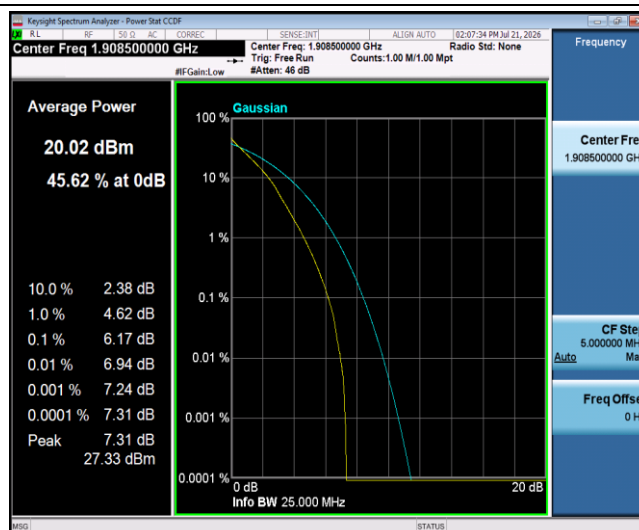
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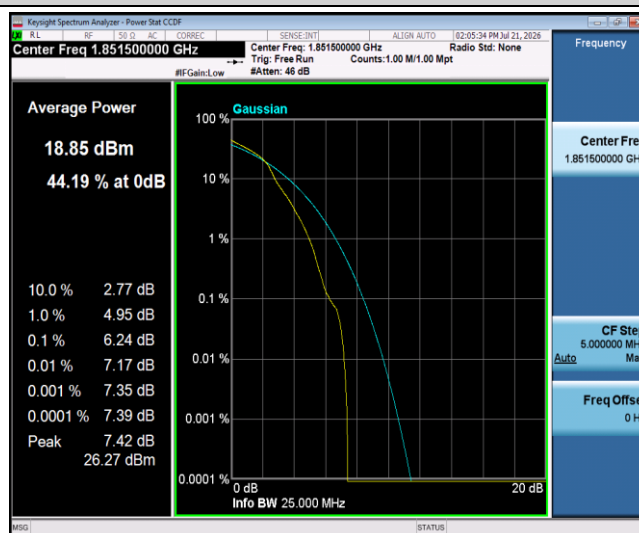
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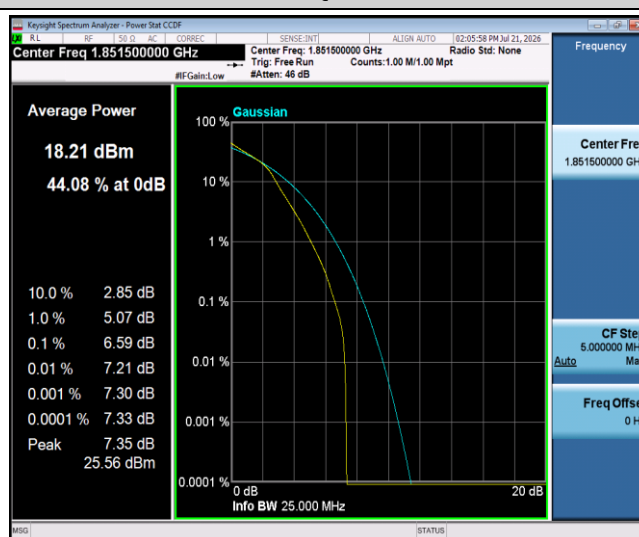
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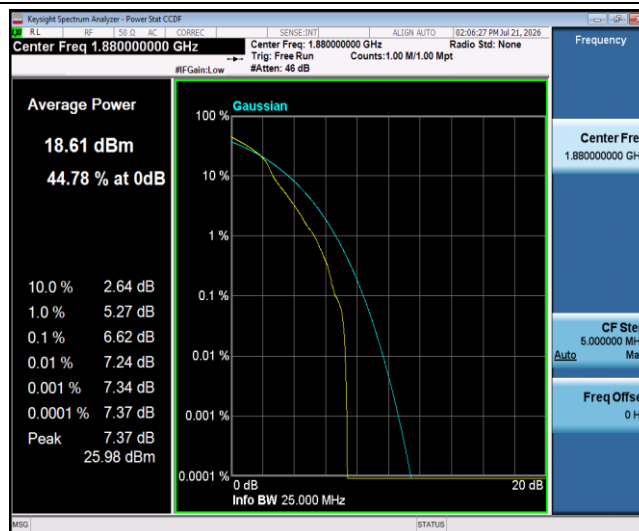
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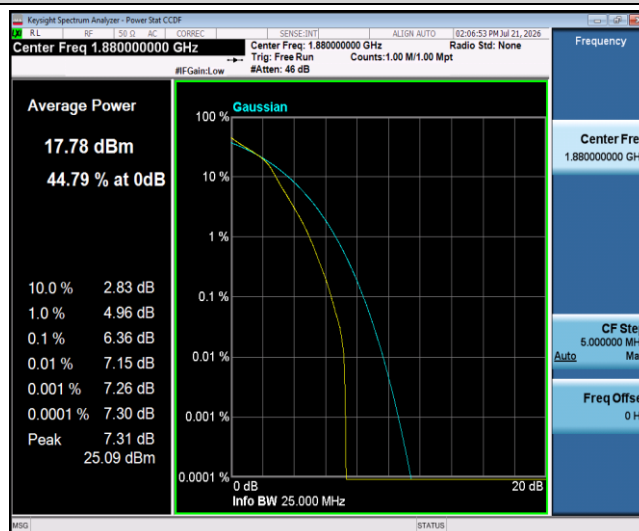
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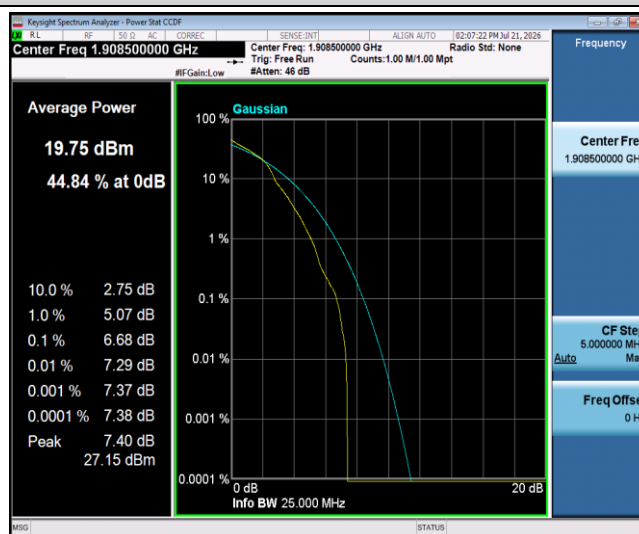
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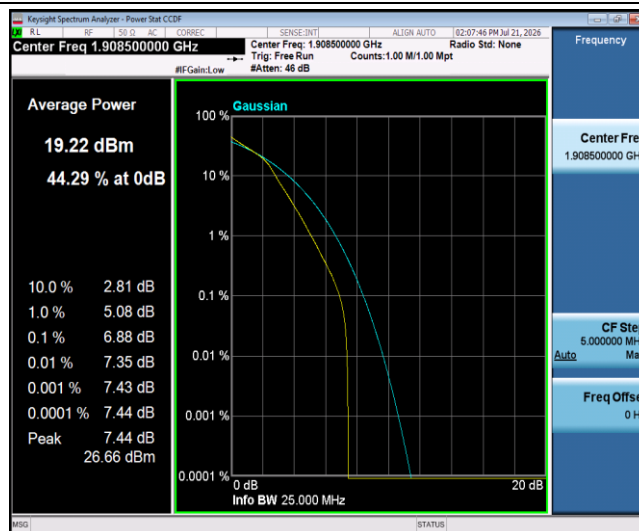
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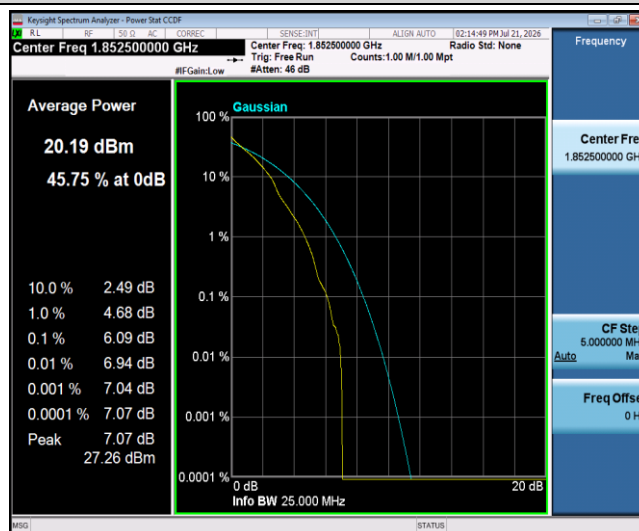
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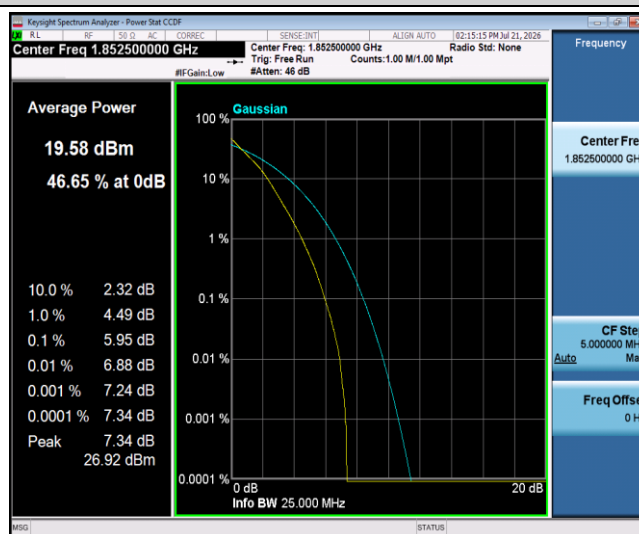
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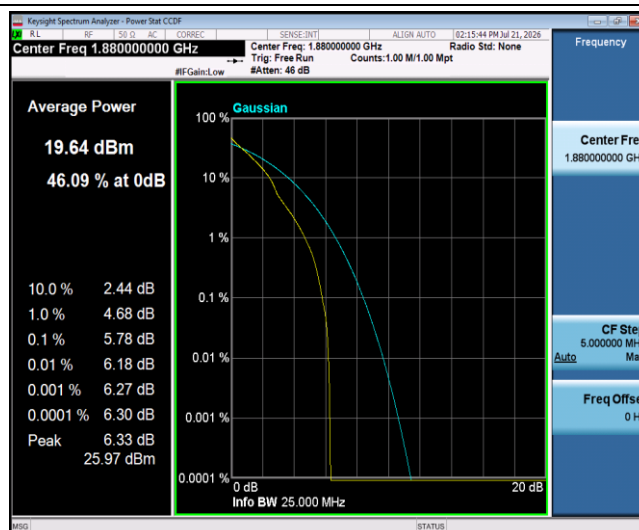
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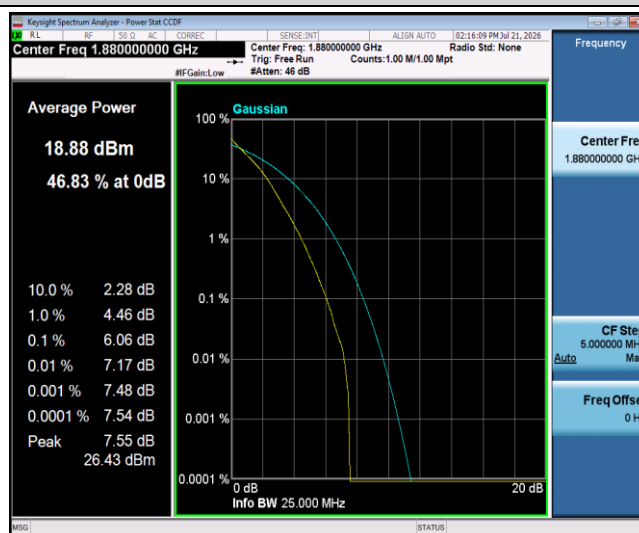
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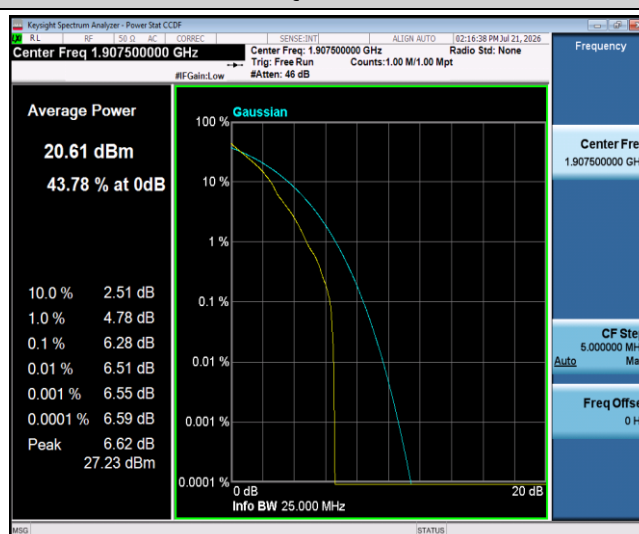
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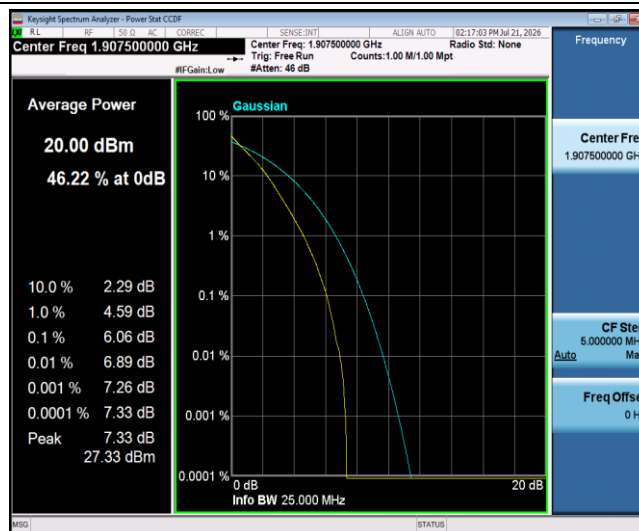
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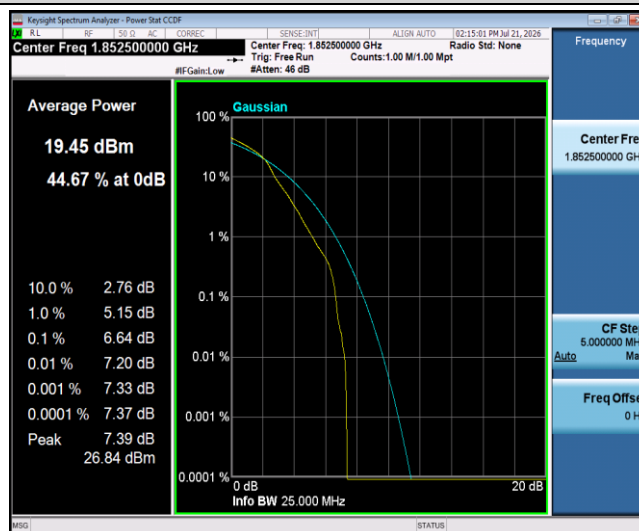
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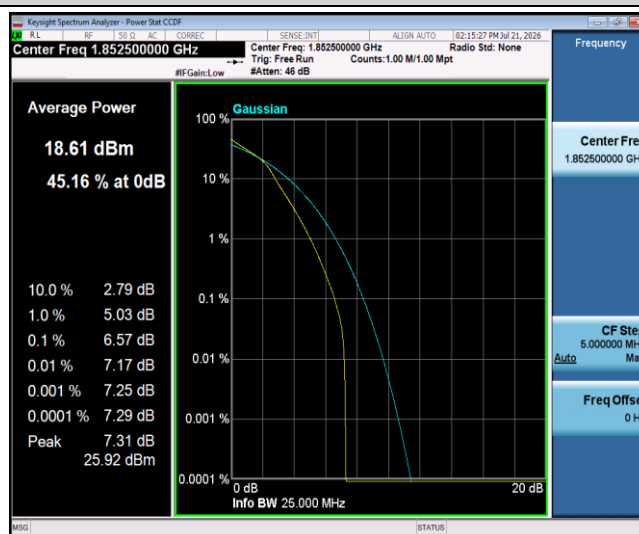
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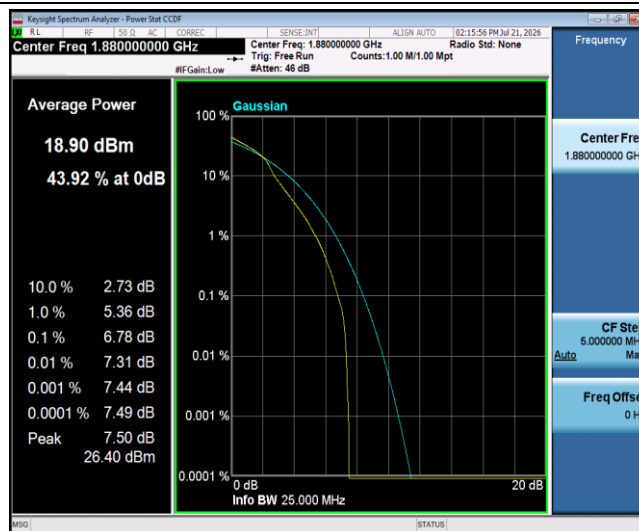
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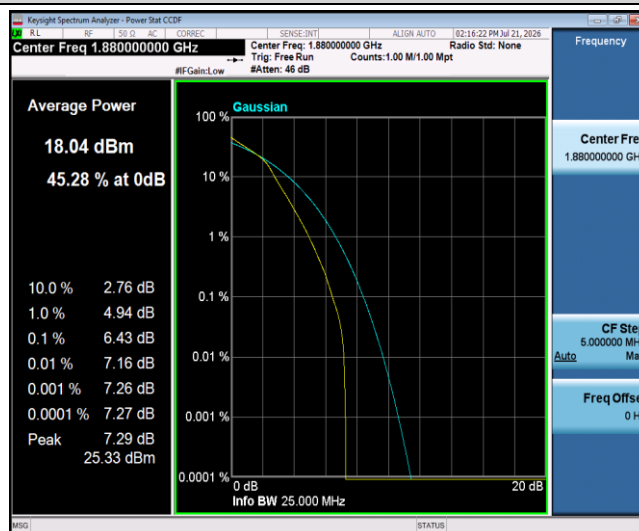
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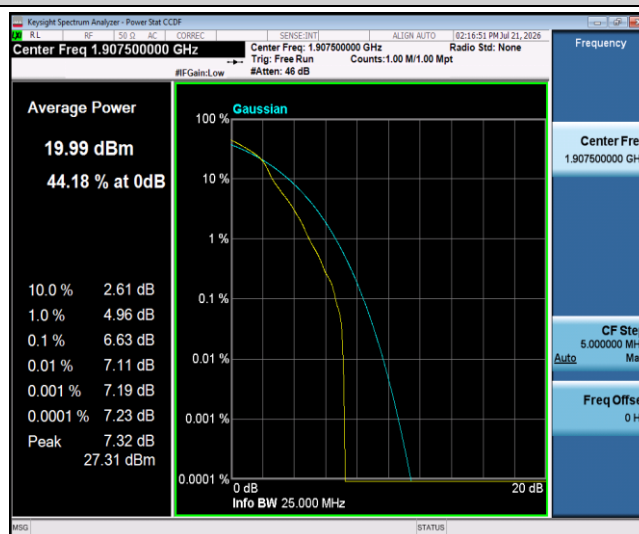
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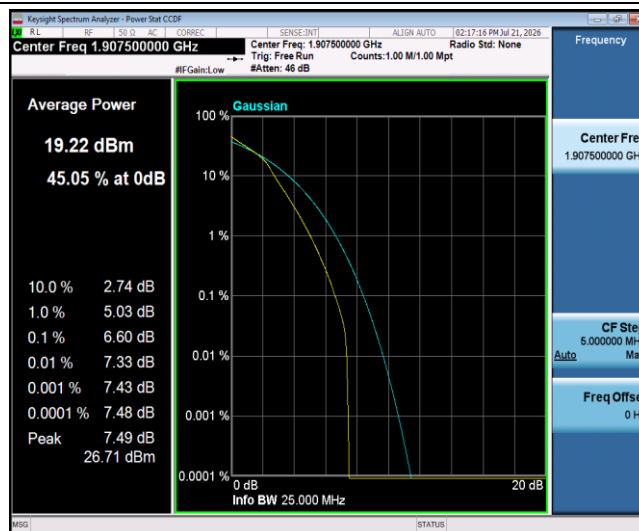
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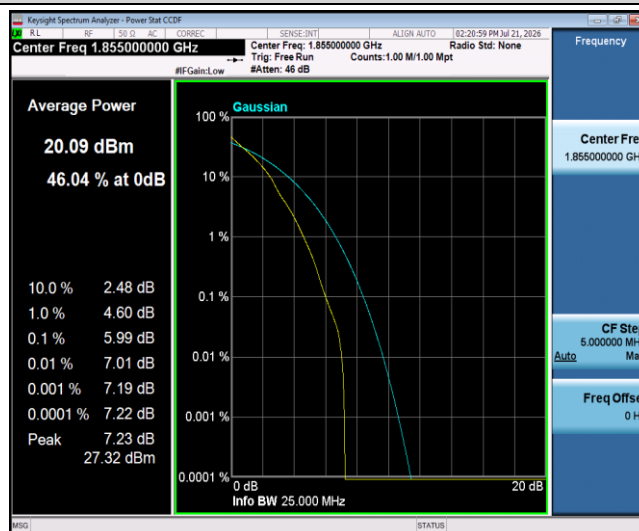
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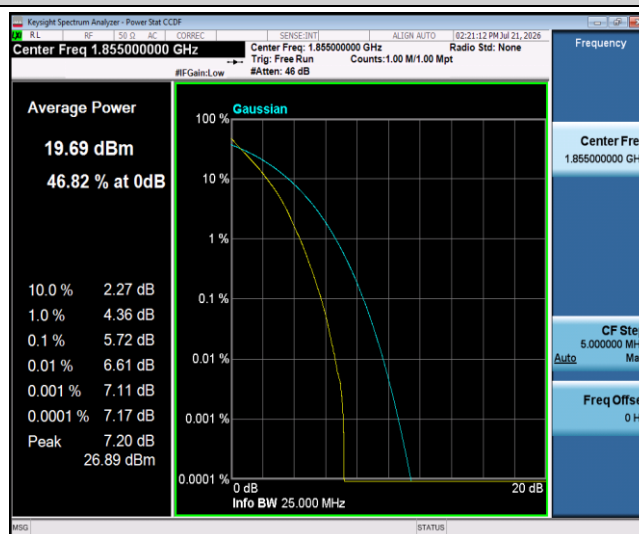
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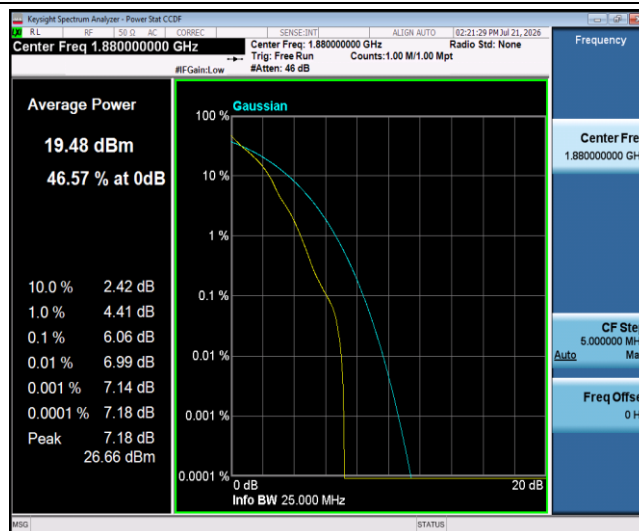
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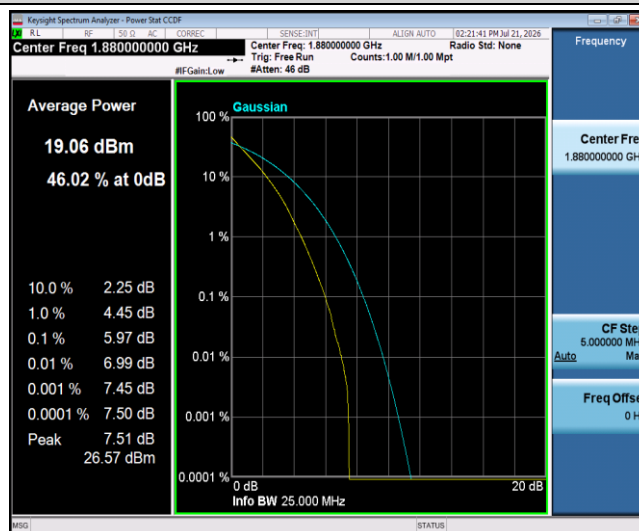
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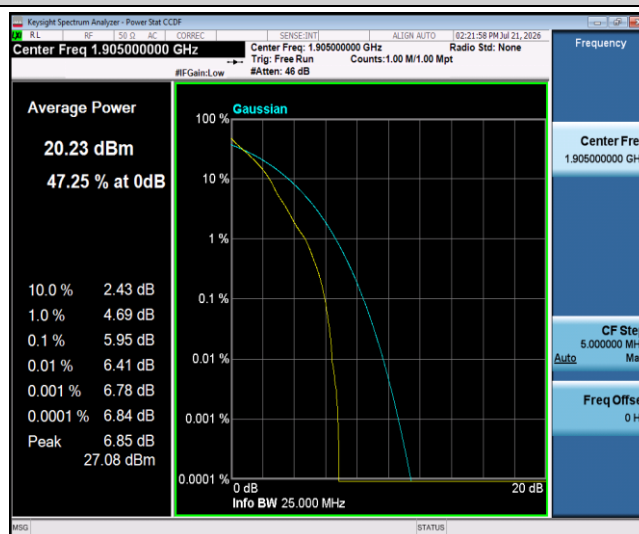
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Band2-10MHz-QPSK-18900-1RB#0



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