



Appendix F Test Data for E-UTRA Band 12

Product Name: OVMS

Test Model: OVMS-33-7600G

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



F.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.40	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.54	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.52	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.23	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.16	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.29	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.19	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.93	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.84	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.79	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.70	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.64	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.61	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.83	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.34	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.30	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.37	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.66	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.44	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.45	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.44	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.34	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.50	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.43	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	20.98	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	20.92	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.10	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.16	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.83	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.81	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	21.73	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.48	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.44	PASS



Band12	1.4MHz	16QAM	23095	3RB#3	21.81	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.63	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.72	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.49	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.27	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.30	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.27	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.23	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.55	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.74	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.27	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.09	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.27	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.20	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.21	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.22	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.12	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.32	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.27	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.97	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.06	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.94	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.03	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.26	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.04	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.00	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.16	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.11	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.07	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.16	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.09	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.31	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.18	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.06	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.12	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.25	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.18	PASS



Band12	3MHz	16QAM	23095	1RB#0	22.00	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.18	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.85	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.98	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.11	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.00	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.90	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.89	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.11	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.33	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.31	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.98	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.92	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.60	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.23	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.82	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.22	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.58	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.22	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.72	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.92	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.27	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.17	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.83	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.79	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.99	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.83	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.26	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.59	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.18	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.48	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.46	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.43	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.28	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.42	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.10	PASS



Band12	5MHz	16QAM	23035	1RB#24	21.68	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.60	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.54	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.36	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.66	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.73	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.14	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.05	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.83	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.79	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.71	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.87	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.15	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.45	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.25	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.36	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.45	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.44	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.41	PASS
Band12	10MHz	QPSK	23060	1RB#0	21.97	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.09	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.45	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.49	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.42	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.60	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.43	PASS
Band12	10MHz	QPSK	23095	1RB#0	21.89	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.04	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.98	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.46	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.61	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.97	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.73	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.01	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.67	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.84	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.80	PASS



Band12	10MHz	QPSK	23130	25RB#12	22.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.51	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.92	PASS
Band12	10MHz	16QAM	23060	1RB#0	20.91	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.07	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.43	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.44	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.36	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.55	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.40	PASS
Band12	10MHz	16QAM	23095	1RB#0	20.81	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.89	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.84	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.69	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.53	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.36	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.71	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.00	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.67	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.89	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.74	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.71	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.44	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.53	PASS



F.2 Peak-to-Average Ratio(CCDF)

Test Result

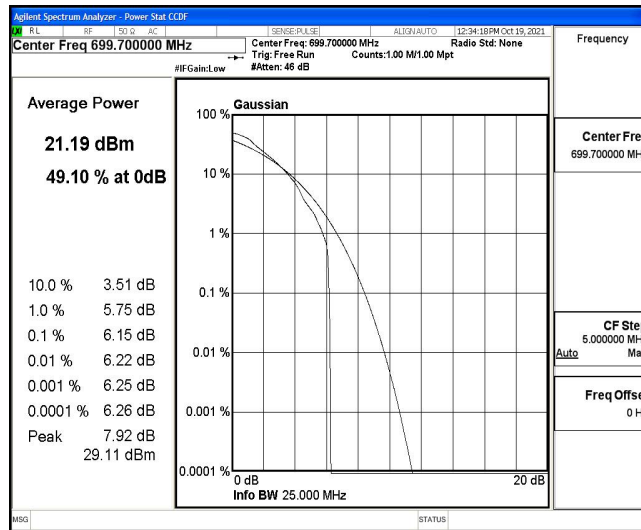
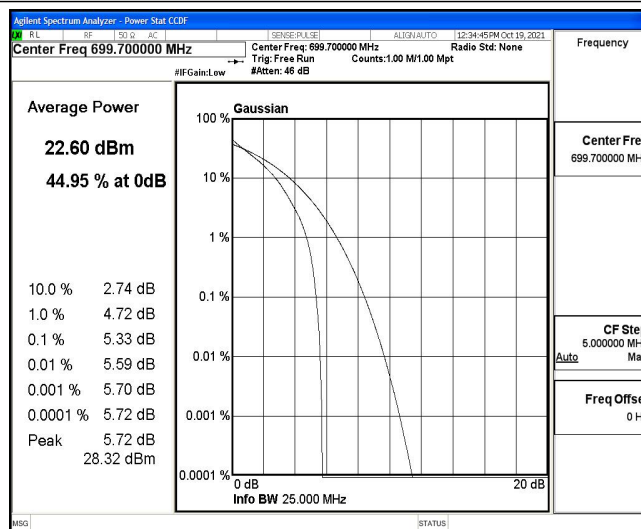
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	6.15	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.33	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.06	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.44	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.77	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.66	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	7.06	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.24	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.46	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.35	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.71	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.51	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.18	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.27	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.68	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.51	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.96	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.71	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.97	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.16	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.44	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.37	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.89	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.56	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.71	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.30	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.26	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.46	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.55	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.86	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	8.02	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.14	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.79	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.29	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.77	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.80	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.68	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.43	13	PASS

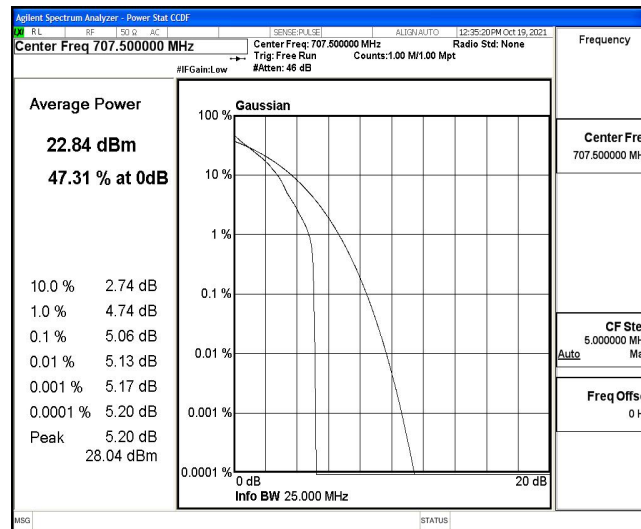


Band12	10MHz	QPSK	23095	1RB#0	5.30	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.45	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.73	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.24	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.83	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.29	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	7.02	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.31	13	PASS
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Band12	10MHz	16QAM	23130	50RB#0	6.10	13	PASS

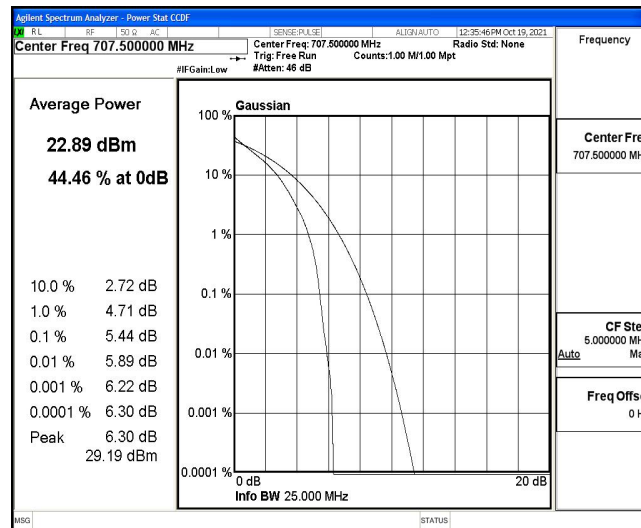


Test Graphs

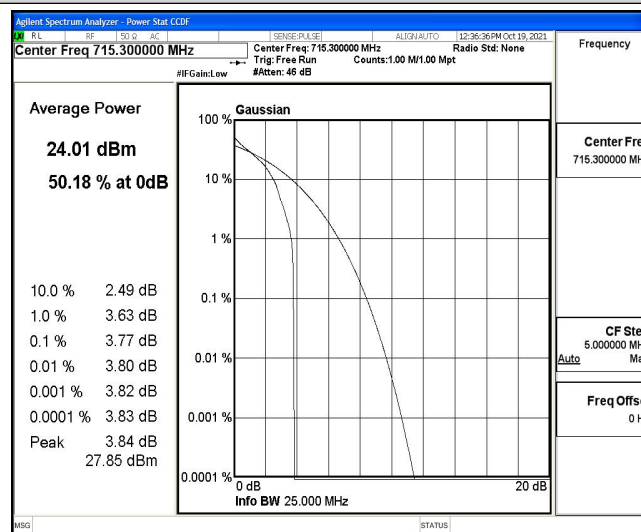
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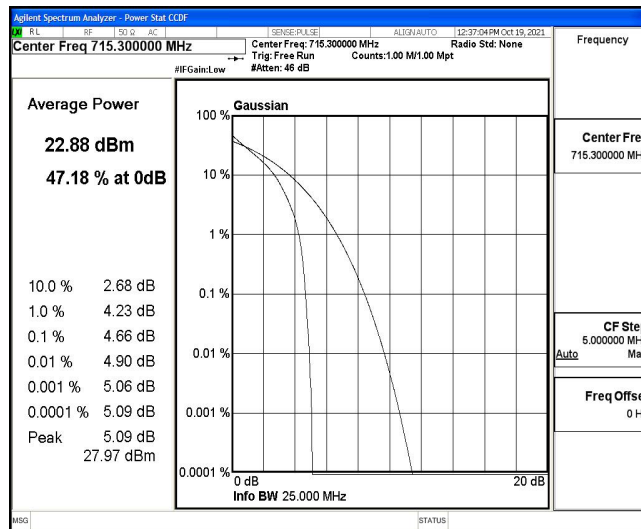
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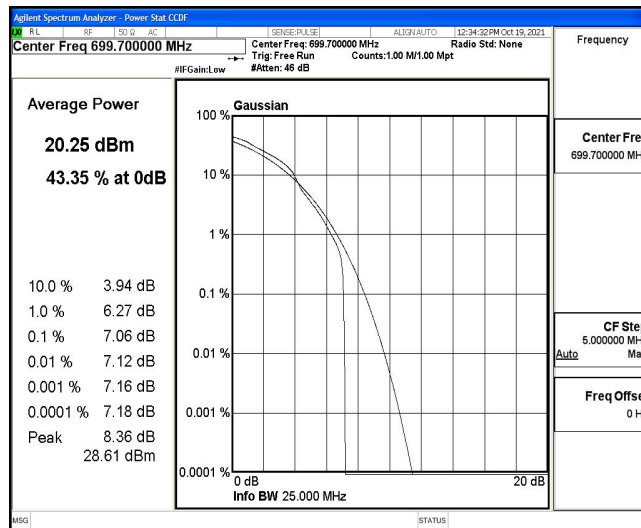
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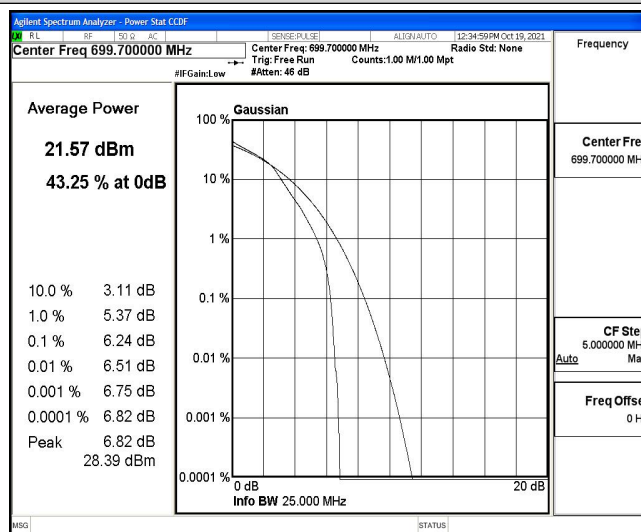
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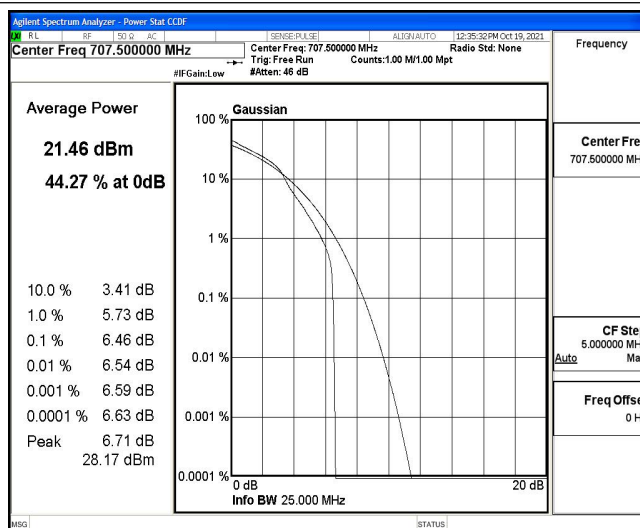
Band12-1.4MHz-16QAM-23017-1RB#0



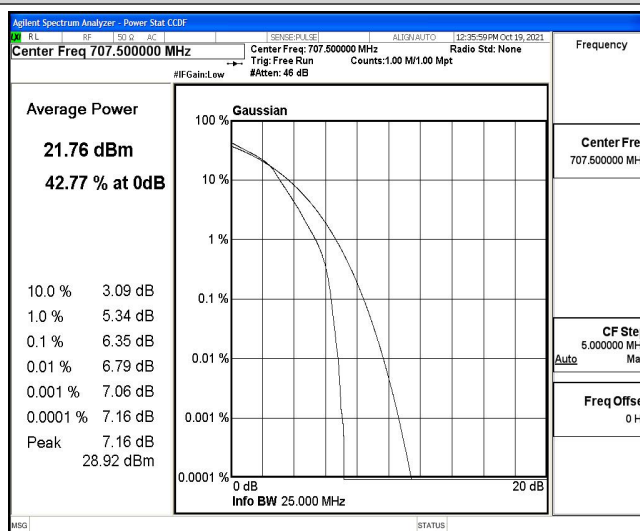
Band12-1.4MHz-16QAM-23017-6RB#0



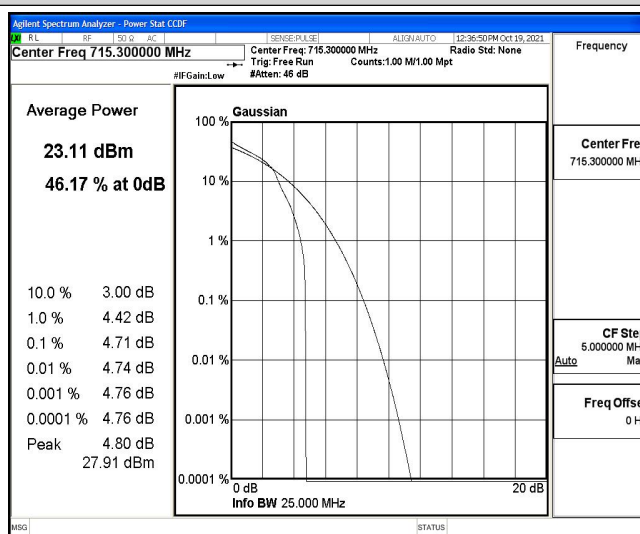
Band12-1.4MHz-16QAM-23095-1RB#0



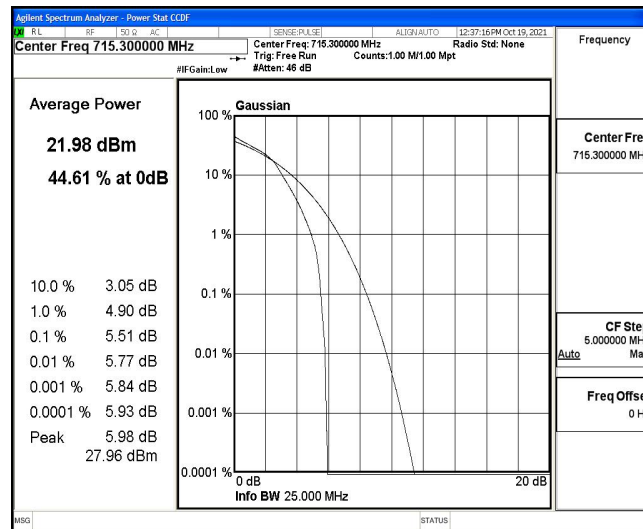
Band12-1.4MHz-16QAM-23095-6RB#0



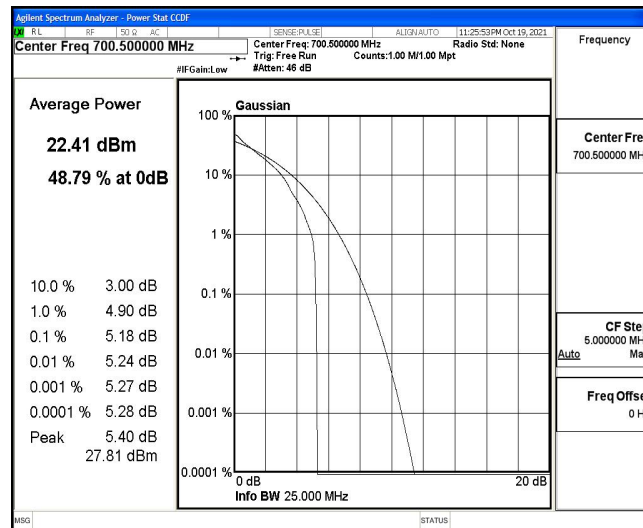
Band12-1.4MHz-16QAM-23173-1RB#0



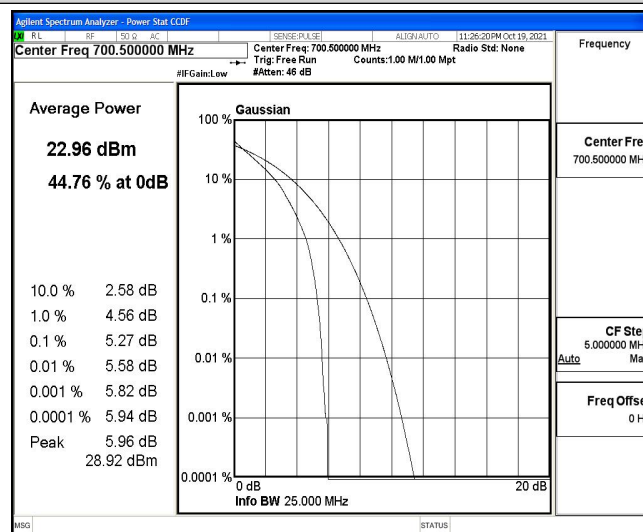
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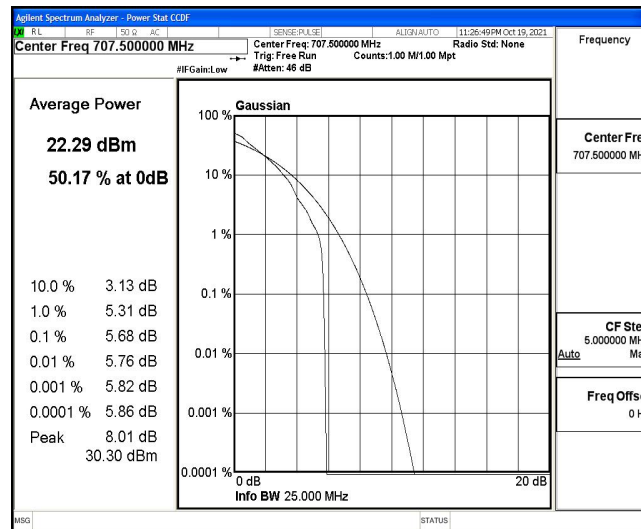
Band12-3MHz-QPSK-23025-1RB#0



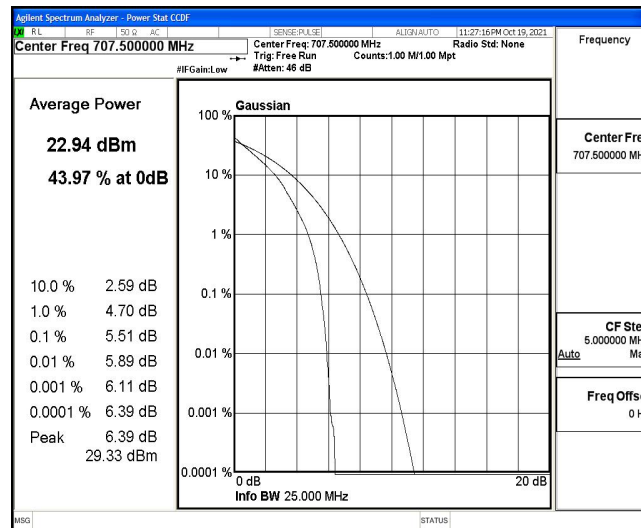
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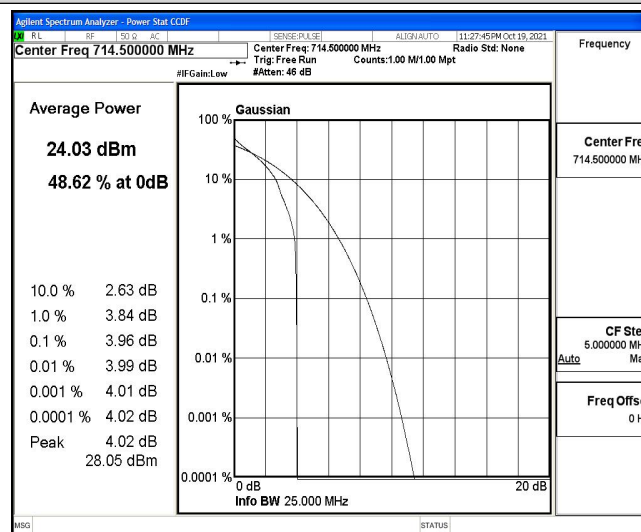
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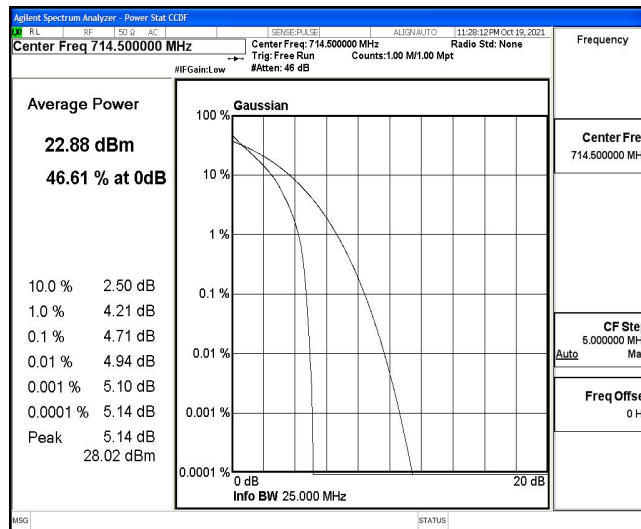
Band12-3MHz-QPSK-23095-15RB#0



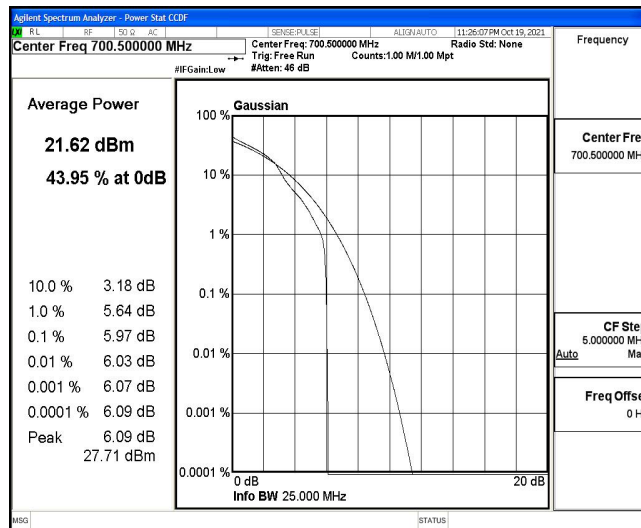
Band12-3MHz-QPSK-23165-1RB#0



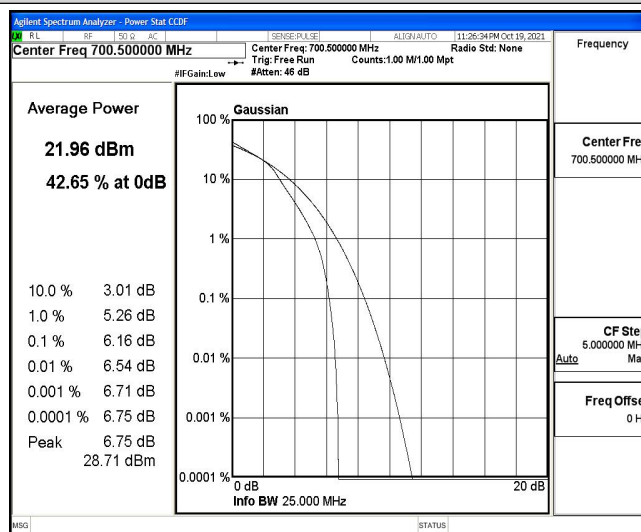
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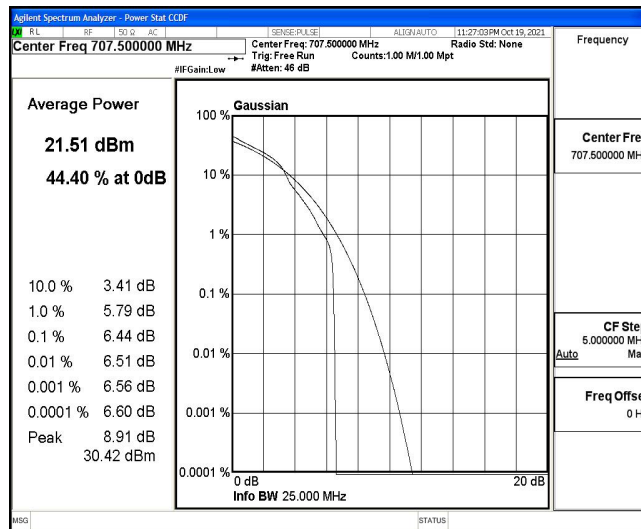
Band12-3MHz-16QAM-23025-1RB#0



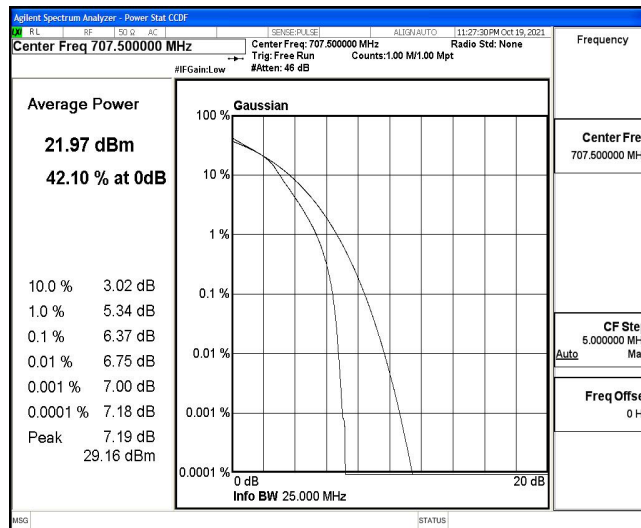
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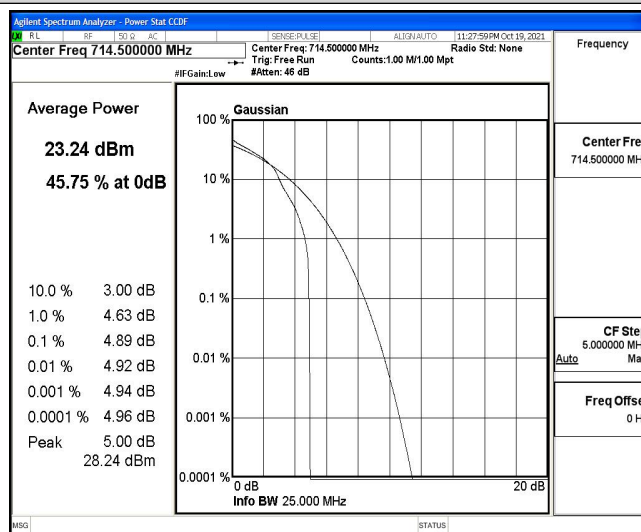
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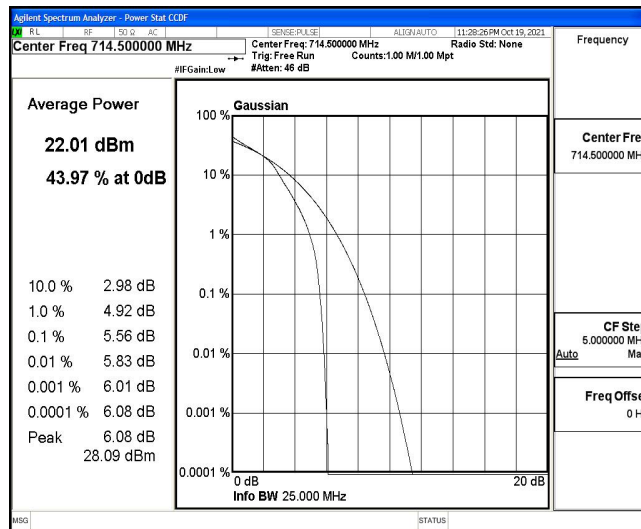
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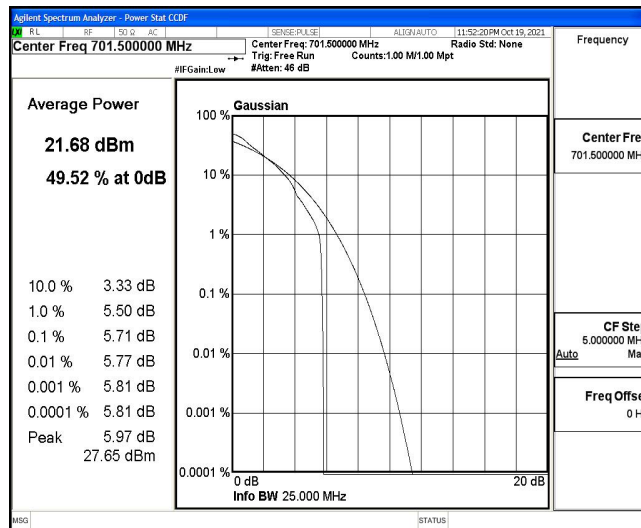
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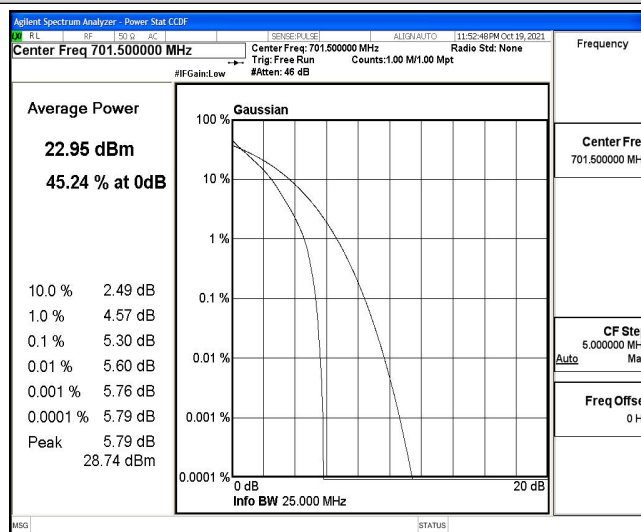
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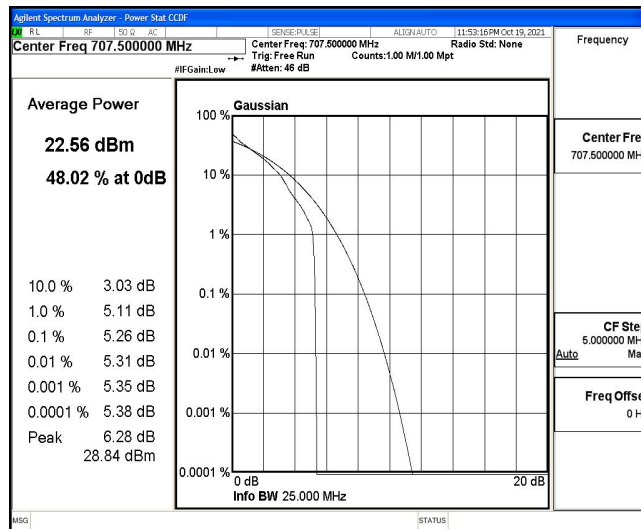
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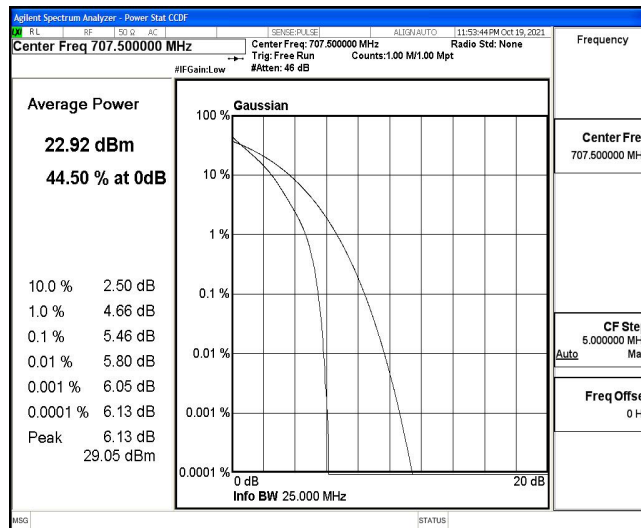
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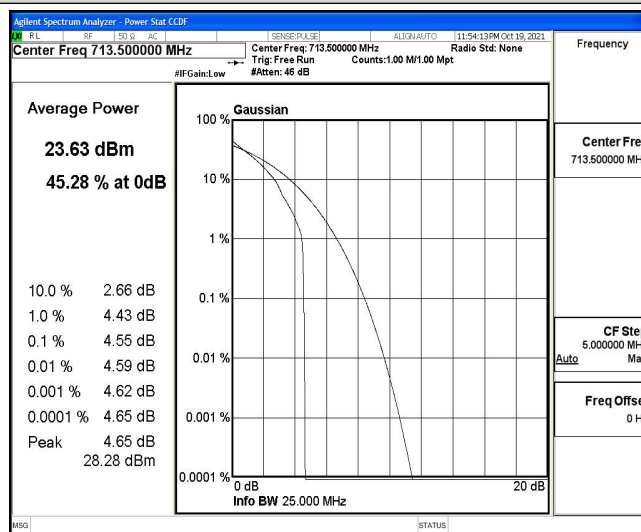
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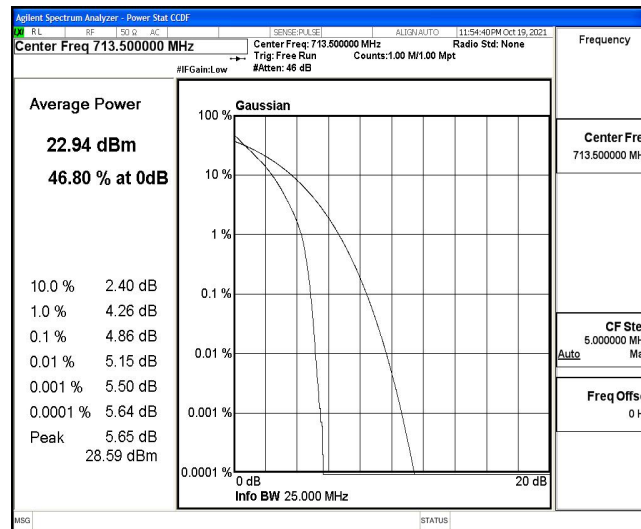
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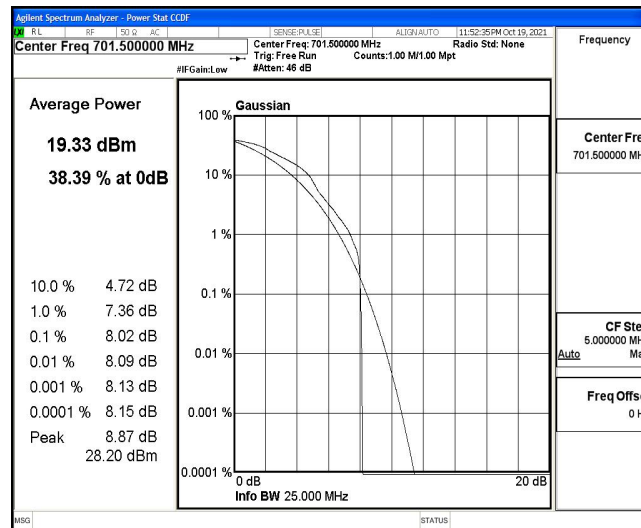
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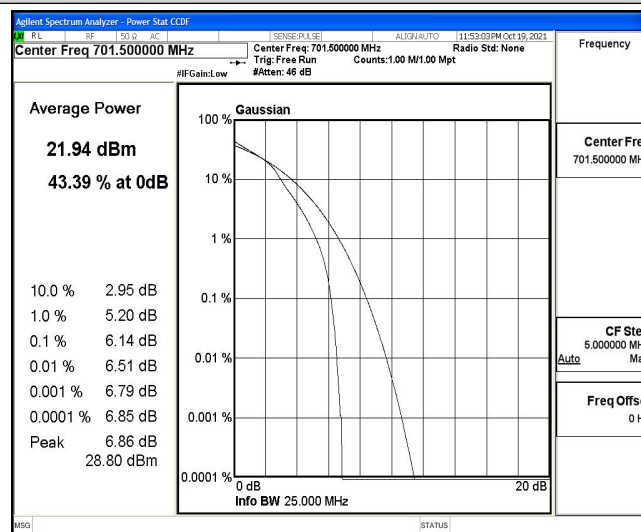
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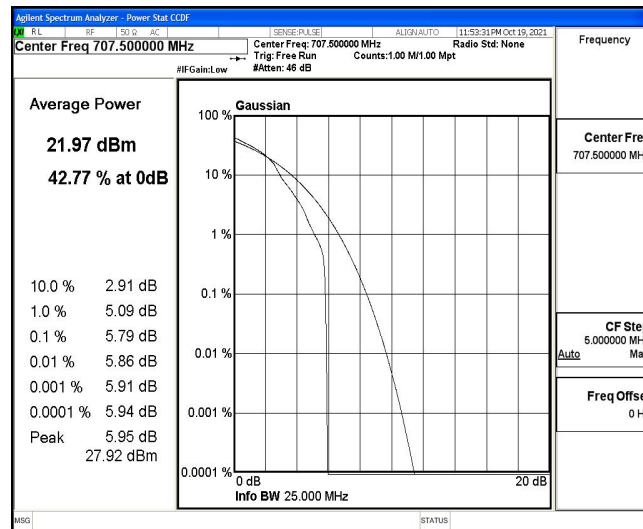
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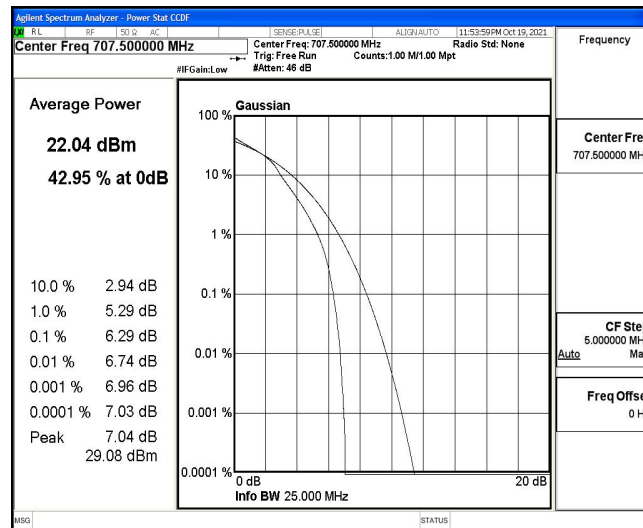
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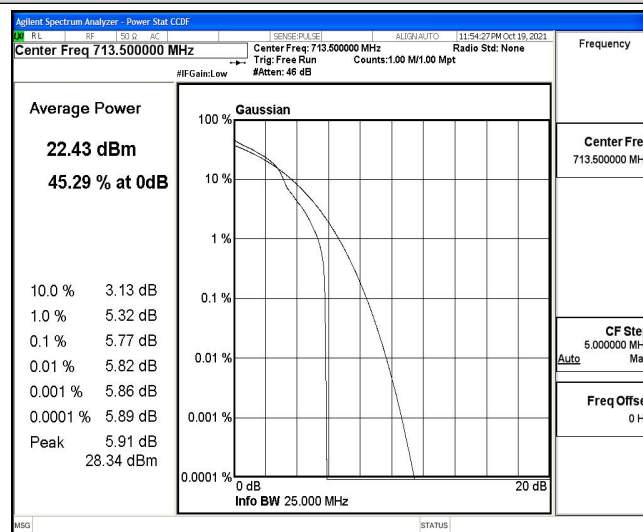
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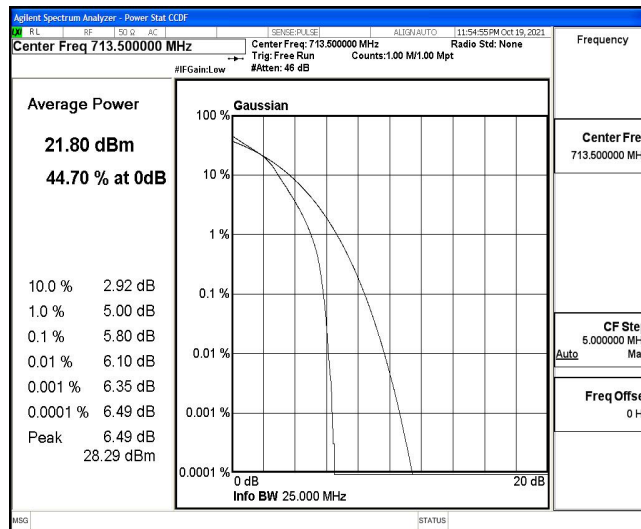
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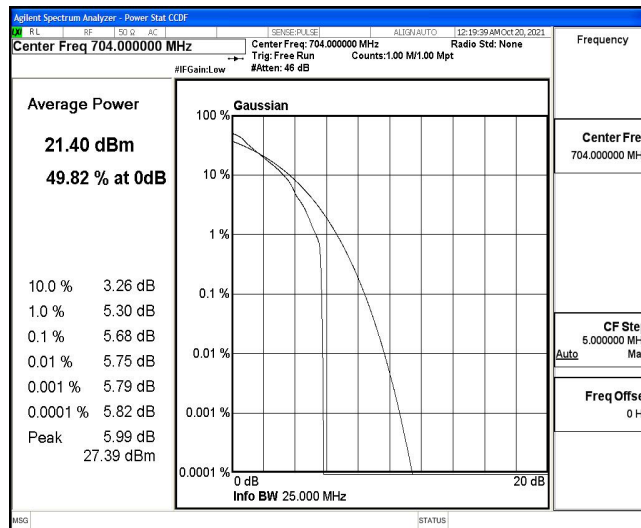
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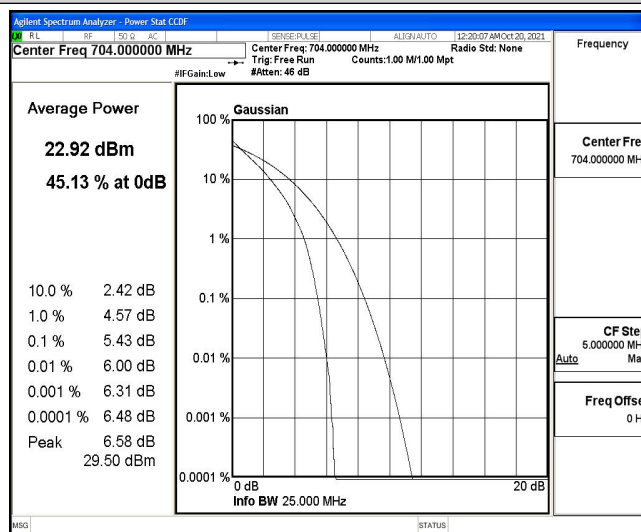
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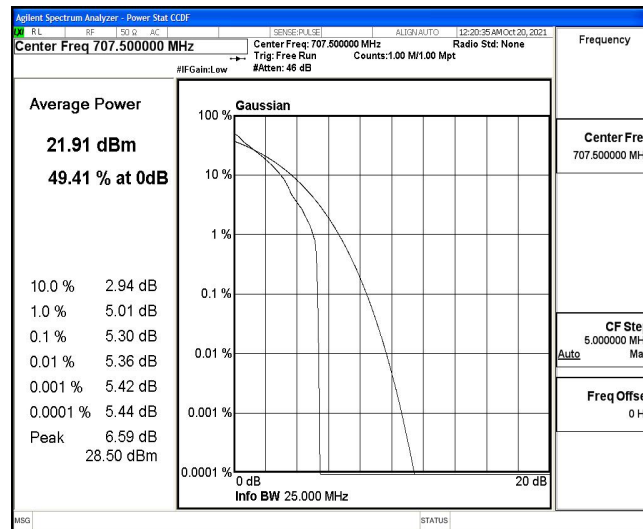
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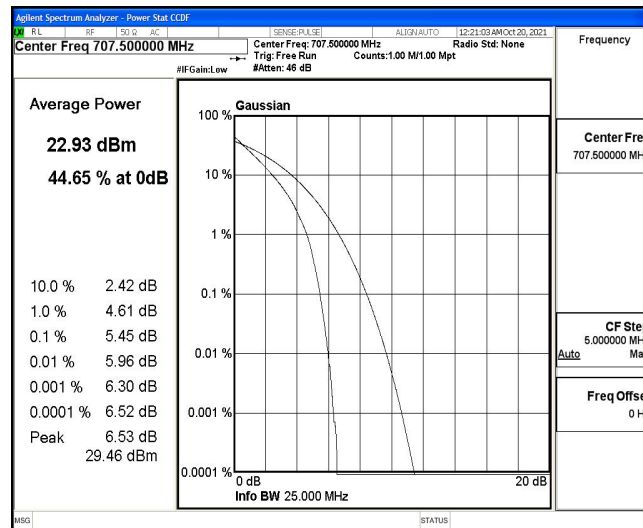
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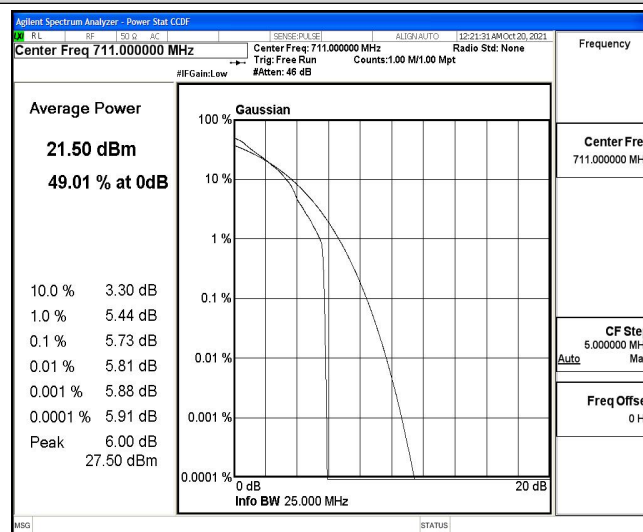
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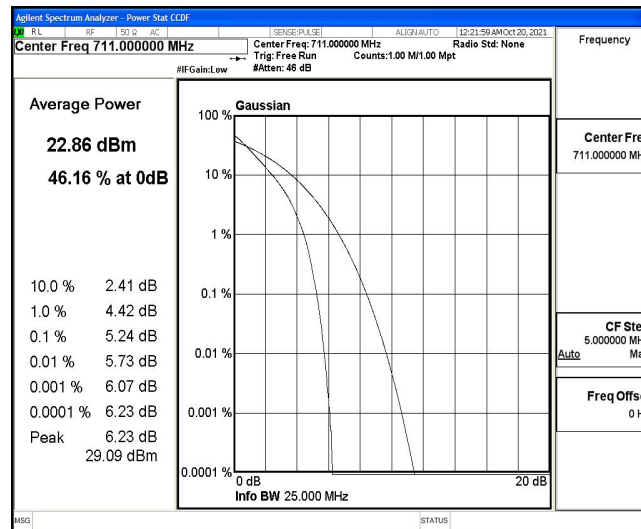
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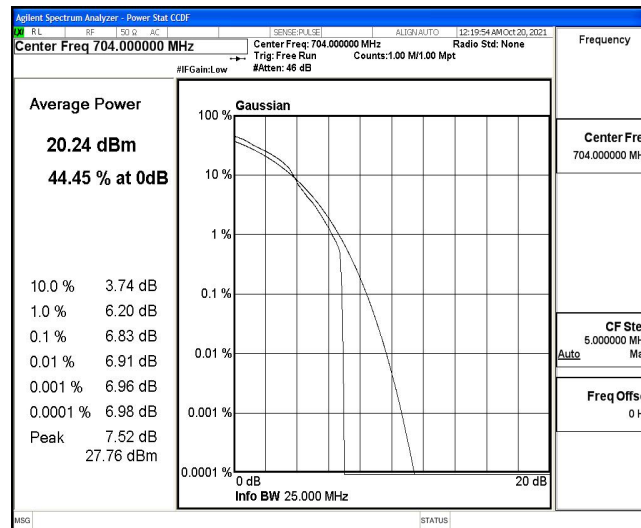
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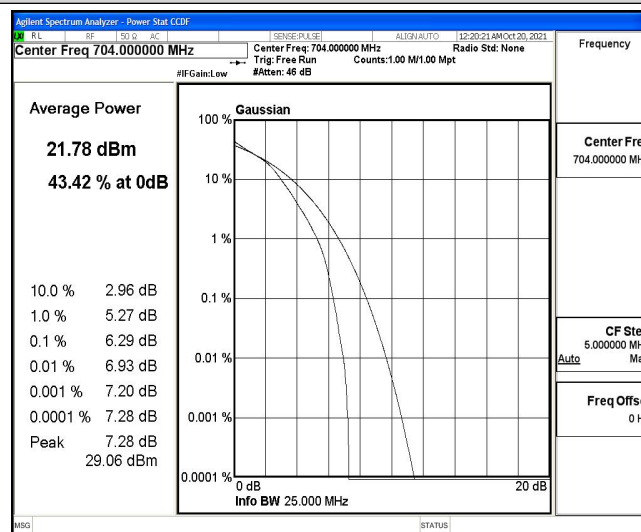
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