



Appendix K Test Data for E-UTRA Band 38

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



K.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.90	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.78	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.65	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.91	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.91	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.75	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.80	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.85	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.02	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.86	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.06	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.07	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.99	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.98	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.32	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.30	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.11	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.29	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.28	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.26	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.20	PASS
Band38	5MHz	16QAM	37775	1RB#0	20.79	PASS
Band38	5MHz	16QAM	37775	1RB#12	20.96	PASS
Band38	5MHz	16QAM	37775	1RB#24	20.55	PASS
Band38	5MHz	16QAM	37775	12RB#0	19.70	PASS
Band38	5MHz	16QAM	37775	12RB#6	19.80	PASS
Band38	5MHz	16QAM	37775	12RB#13	19.75	PASS
Band38	5MHz	16QAM	37775	25RB#0	19.69	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.77	PASS
Band38	5MHz	16QAM	38000	1RB#12	20.97	PASS
Band38	5MHz	16QAM	38000	1RB#24	20.81	PASS
Band38	5MHz	16QAM	38000	12RB#0	19.88	PASS



Band38	5MHz	16QAM	38000	12RB#6	19.88	PASS
Band38	5MHz	16QAM	38000	12RB#13	19.90	PASS
Band38	5MHz	16QAM	38000	25RB#0	19.92	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.09	PASS
Band38	5MHz	16QAM	38225	1RB#12	20.99	PASS
Band38	5MHz	16QAM	38225	1RB#24	20.58	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.21	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.20	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.18	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.31	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.68	PASS
Band38	10MHz	QPSK	37800	1RB#24	21.72	PASS
Band38	10MHz	QPSK	37800	1RB#49	21.59	PASS
Band38	10MHz	QPSK	37800	25RB#0	20.74	PASS
Band38	10MHz	QPSK	37800	25RB#12	20.81	PASS
Band38	10MHz	QPSK	37800	25RB#25	20.82	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.85	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.69	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.98	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.71	PASS
Band38	10MHz	QPSK	38000	25RB#0	20.98	PASS
Band38	10MHz	QPSK	38000	25RB#12	20.97	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.01	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.99	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.05	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.30	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.97	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.20	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.21	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.28	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.26	PASS
Band38	10MHz	16QAM	37800	1RB#0	20.74	PASS
Band38	10MHz	16QAM	37800	1RB#24	20.82	PASS
Band38	10MHz	16QAM	37800	1RB#49	20.61	PASS
Band38	10MHz	16QAM	37800	25RB#0	19.66	PASS
Band38	10MHz	16QAM	37800	25RB#12	19.69	PASS
Band38	10MHz	16QAM	37800	25RB#25	19.61	PASS



Band38	10MHz	16QAM	37800	50RB#0	19.83	PASS
Band38	10MHz	16QAM	38000	1RB#0	20.74	PASS
Band38	10MHz	16QAM	38000	1RB#24	20.94	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.76	PASS
Band38	10MHz	16QAM	38000	25RB#0	19.88	PASS
Band38	10MHz	16QAM	38000	25RB#12	19.87	PASS
Band38	10MHz	16QAM	38000	25RB#25	19.72	PASS
Band38	10MHz	16QAM	38000	50RB#0	19.99	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.41	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.67	PASS
Band38	10MHz	16QAM	38200	1RB#49	20.84	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.18	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.03	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.18	PASS
Band38	15MHz	QPSK	37825	1RB#0	21.63	PASS
Band38	15MHz	QPSK	37825	1RB#38	21.90	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.77	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.18	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.14	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.11	PASS
Band38	15MHz	QPSK	37825	75RB#0	20.81	PASS
Band38	15MHz	QPSK	38000	1RB#0	21.58	PASS
Band38	15MHz	QPSK	38000	1RB#38	21.98	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.93	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.13	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.25	PASS
Band38	15MHz	QPSK	38000	38RB#37	20.77	PASS
Band38	15MHz	QPSK	38000	75RB#0	20.92	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.79	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.14	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.08	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.32	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.48	PASS
Band38	15MHz	QPSK	38175	38RB#37	20.94	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.22	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.15	PASS



Band38	15MHz	16QAM	37825	1RB#38	21.09	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.08	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.20	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.65	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.09	PASS
Band38	15MHz	16QAM	37825	75RB#0	19.82	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.07	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.77	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.29	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.14	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.26	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.28	PASS
Band38	15MHz	16QAM	38000	75RB#0	19.88	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.30	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.47	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.43	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.29	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.44	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.46	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.18	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.32	PASS
Band38	20MHz	QPSK	37850	1RB#49	21.86	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.27	PASS
Band38	20MHz	QPSK	37850	50RB#0	20.66	PASS
Band38	20MHz	QPSK	37850	50RB#25	20.64	PASS
Band38	20MHz	QPSK	37850	50RB#50	20.76	PASS
Band38	20MHz	QPSK	37850	100RB#0	20.71	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.52	PASS
Band38	20MHz	QPSK	38000	1RB#49	21.75	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.55	PASS
Band38	20MHz	QPSK	38000	50RB#0	20.81	PASS
Band38	20MHz	QPSK	38000	50RB#25	20.91	PASS
Band38	20MHz	QPSK	38000	50RB#50	20.86	PASS
Band38	20MHz	QPSK	38000	100RB#0	20.83	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.69	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.08	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.81	PASS



Band38	20MHz	QPSK	38150	50RB#0	20.96	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.18	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.08	PASS
Band38	20MHz	16QAM	37850	1RB#0	20.76	PASS
Band38	20MHz	16QAM	37850	1RB#49	20.74	PASS
Band38	20MHz	16QAM	37850	1RB#99	20.44	PASS
Band38	20MHz	16QAM	37850	50RB#0	19.65	PASS
Band38	20MHz	16QAM	37850	50RB#25	19.72	PASS
Band38	20MHz	16QAM	37850	50RB#50	19.74	PASS
Band38	20MHz	16QAM	37850	100RB#0	19.47	PASS
Band38	20MHz	16QAM	38000	1RB#0	20.44	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.68	PASS
Band38	20MHz	16QAM	38000	50RB#0	19.90	PASS
Band38	20MHz	16QAM	38000	50RB#25	19.85	PASS
Band38	20MHz	16QAM	38000	50RB#50	19.86	PASS
Band38	20MHz	16QAM	38000	100RB#0	19.67	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.61	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.06	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.34	PASS
Band38	20MHz	16QAM	38150	50RB#0	19.94	PASS
Band38	20MHz	16QAM	38150	50RB#25	19.89	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.16	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.01	PASS



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

Test Result

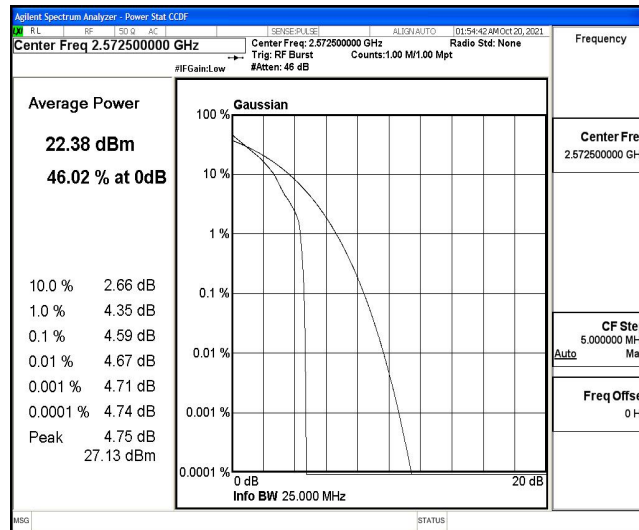
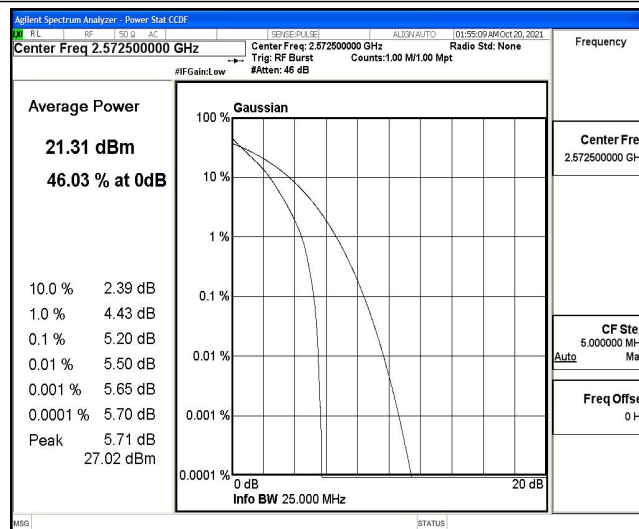
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	4.59	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	5.20	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	4.55	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.10	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	4.78	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.05	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	6.23	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.06	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	5.91	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.02	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	6.15	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	5.91	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	5.25	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.15	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	4.43	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.05	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	4.52	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.04	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	5.72	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.03	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	6.20	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	5.96	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	6.16	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.18	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	4.87	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.33	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	5.09	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.37	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	5.10	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.37	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	5.85	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.07	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	6.27	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.09	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	6.19	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.11	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	4.67	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.13	13	PASS

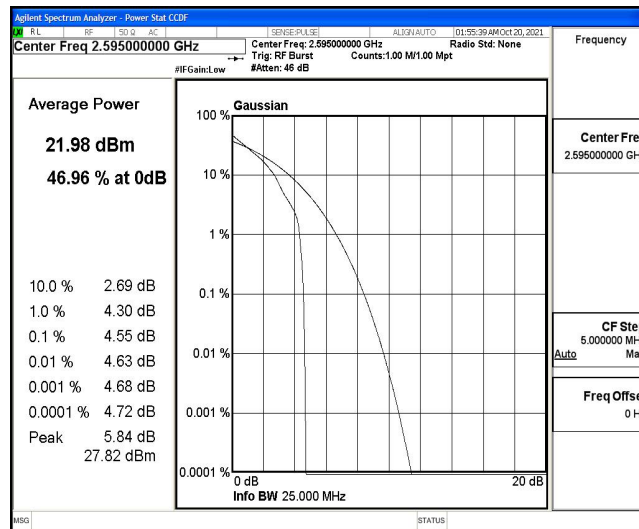


Band38	20MHz	QPSK	38000	1RB#0	4.96	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.12	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	4.94	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.17	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	6.17	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.20	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	5.55	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.01	13	PASS
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Band38	20MHz	16QAM	38150	100RB#0	5.99	13	PASS

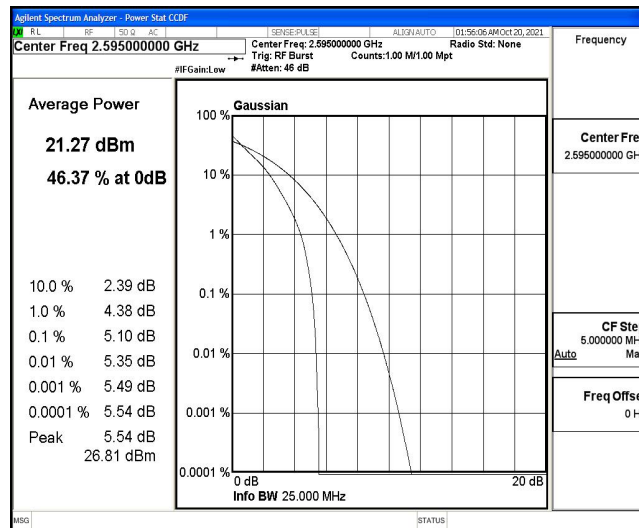


Test Graphs

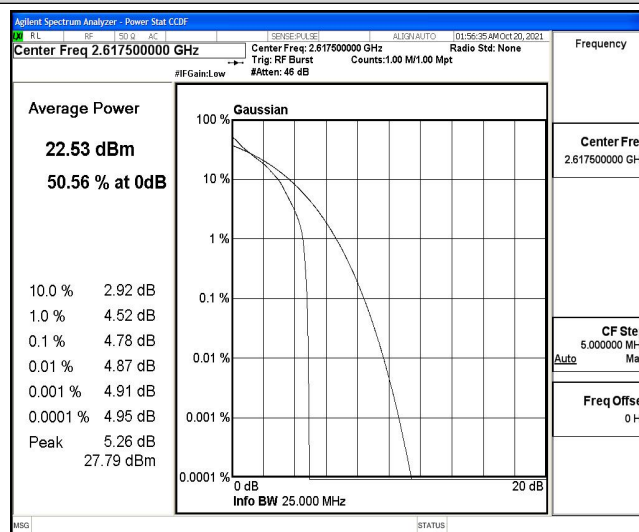
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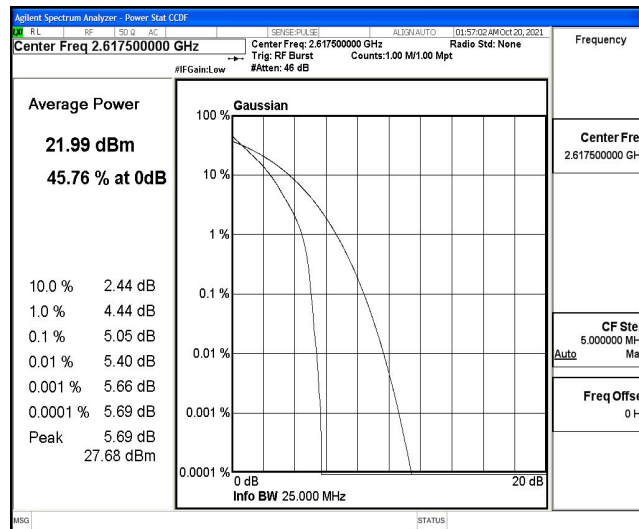
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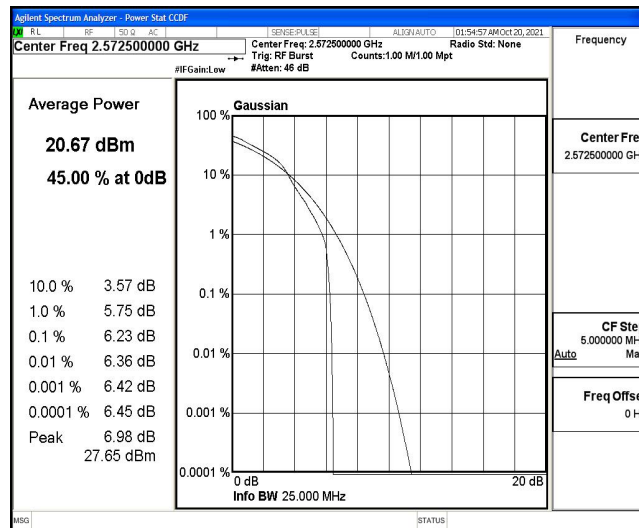
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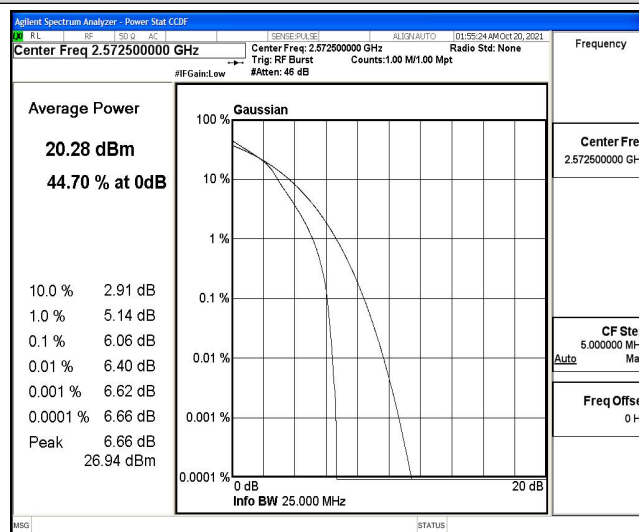
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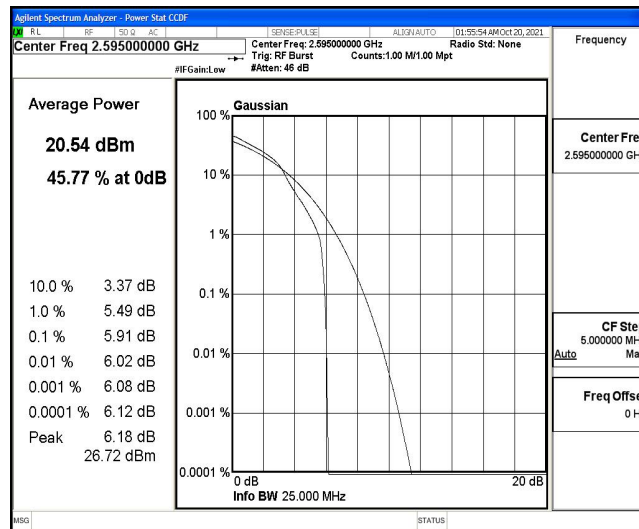
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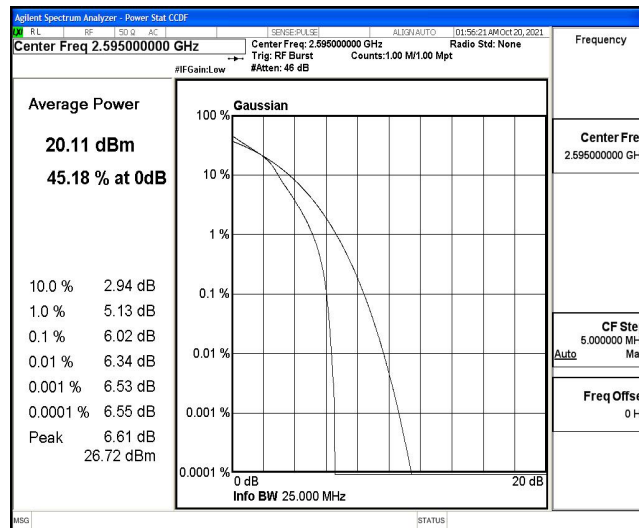
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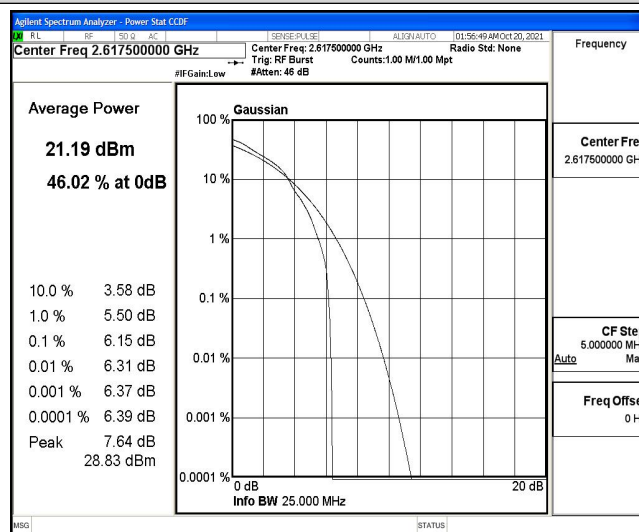
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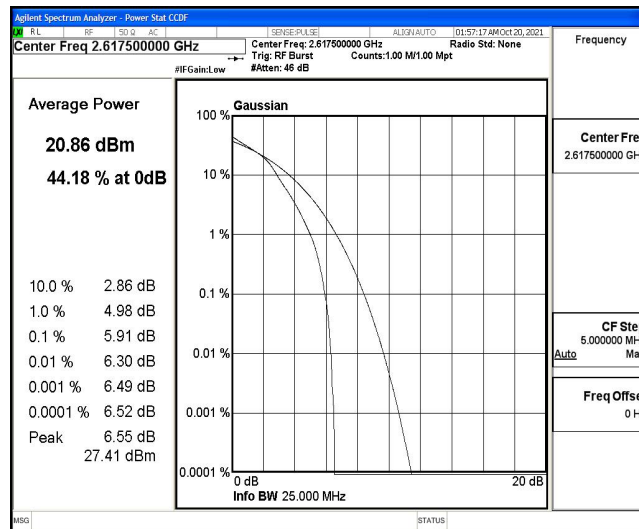
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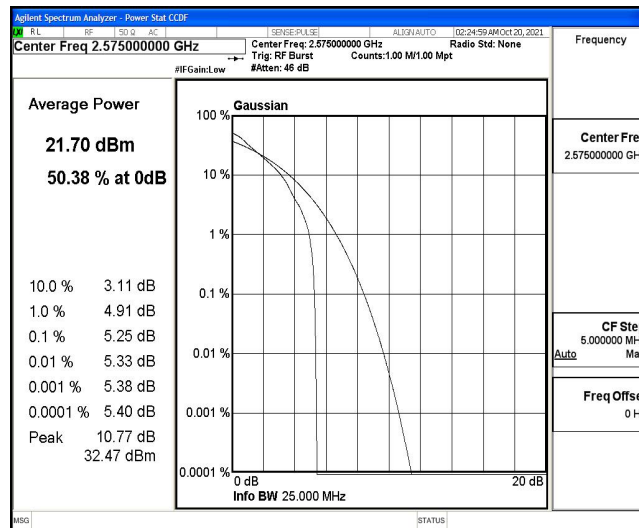
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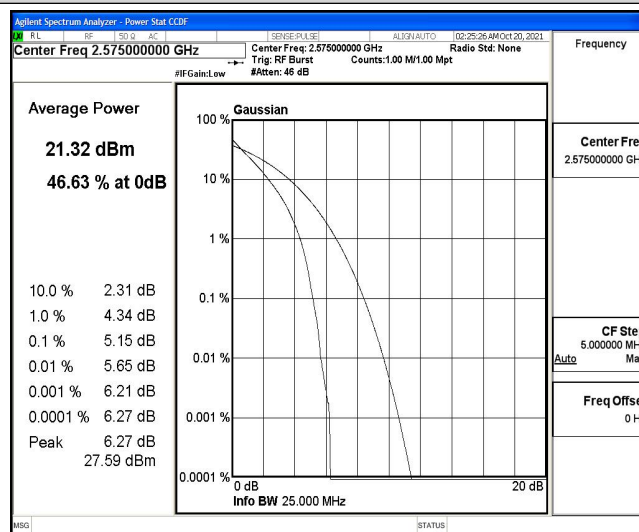
Band38-5MHz-16QAM-38225-25RB#0



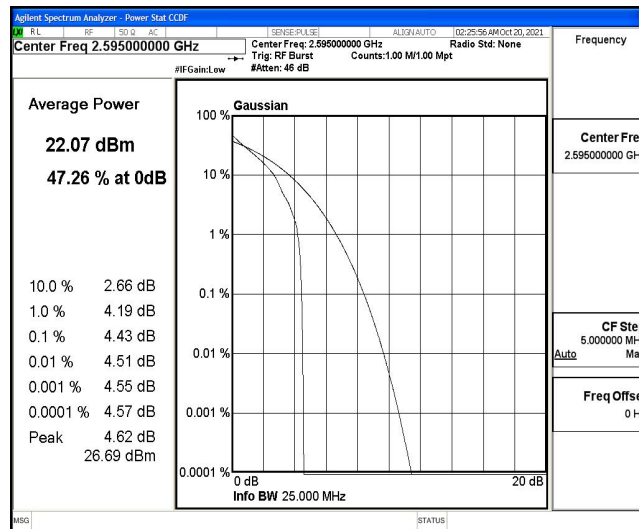
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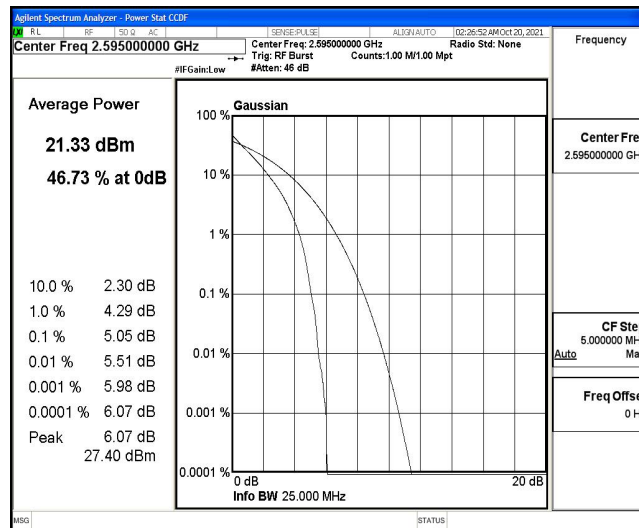
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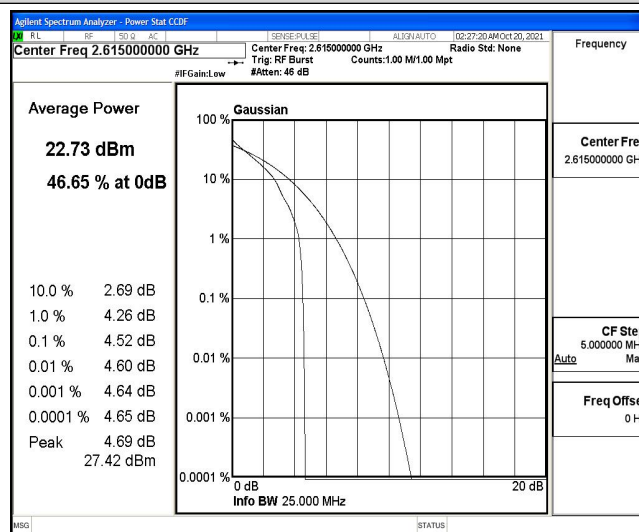
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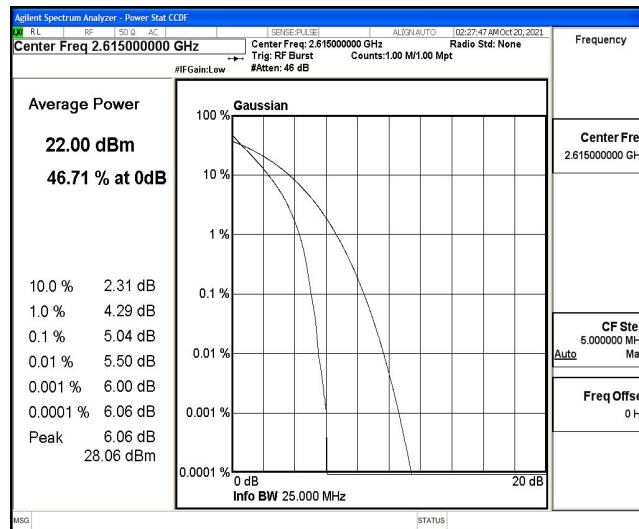
Band38-10MHz-QPSK-38000-50RB#0



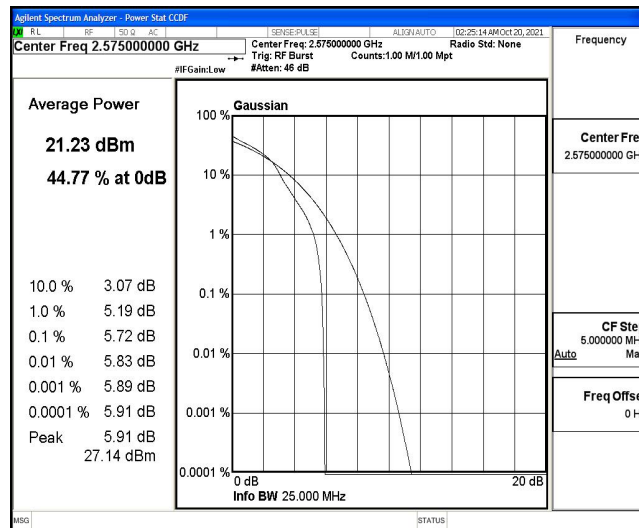
Band38-10MHz-QPSK-38200-1RB#0



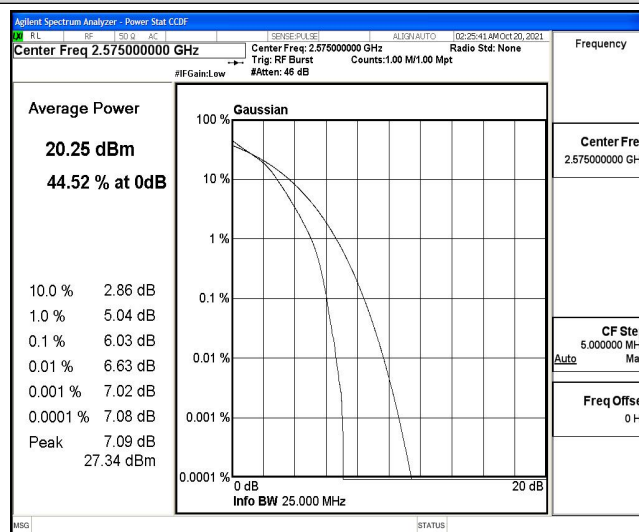
Band38-10MHz-QPSK-38200-50RB#0



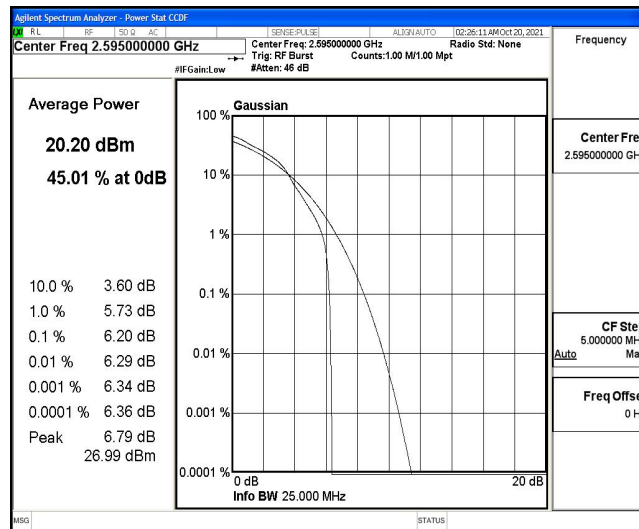
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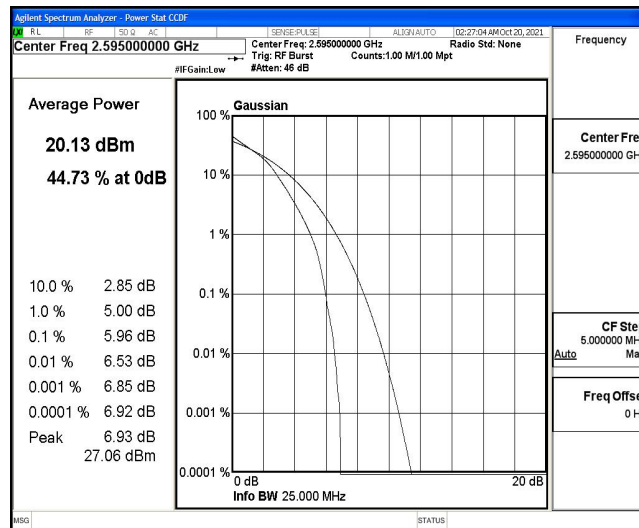
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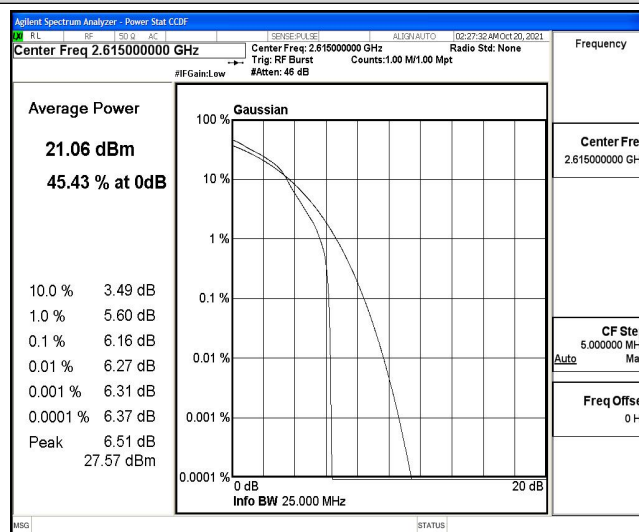
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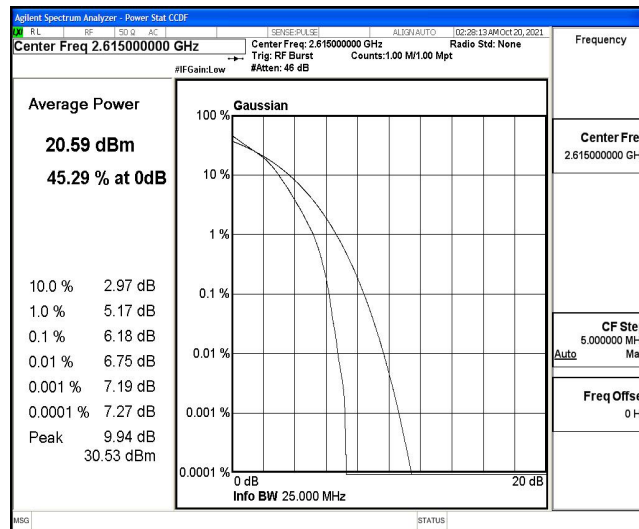
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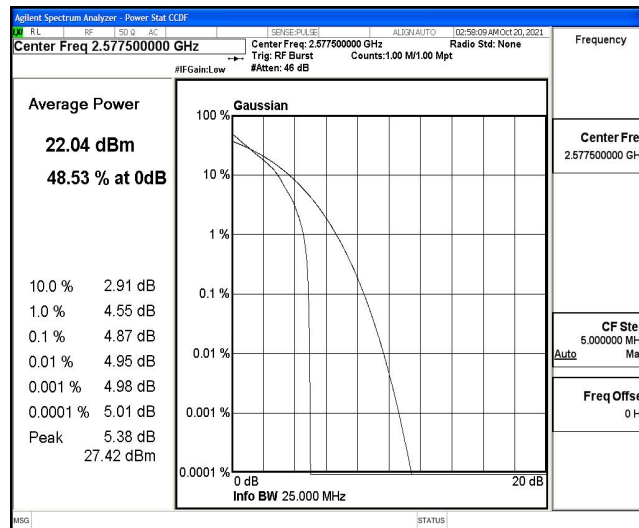
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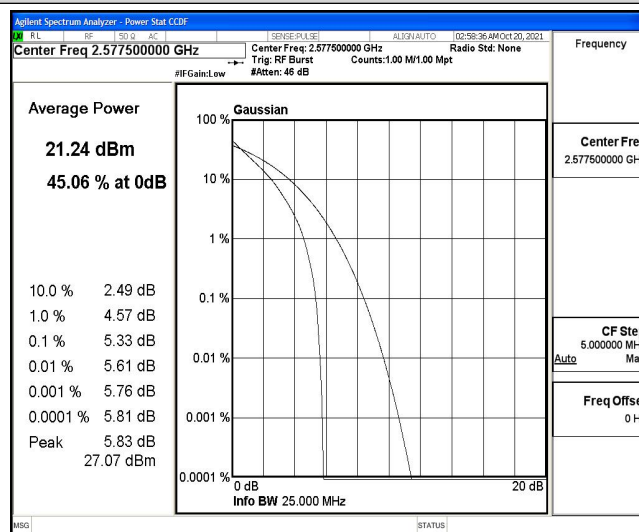
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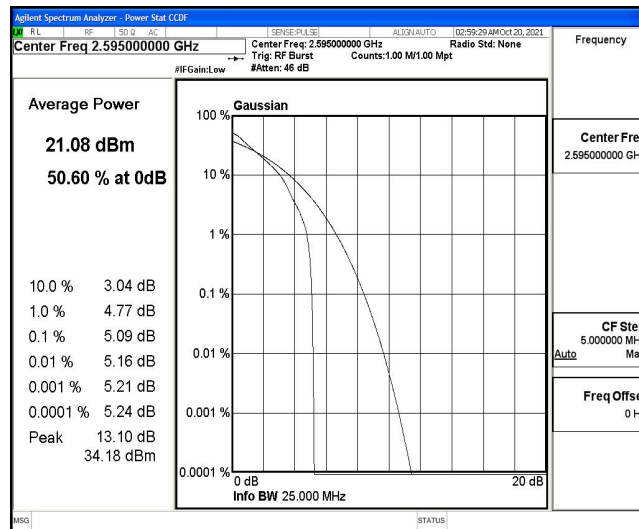
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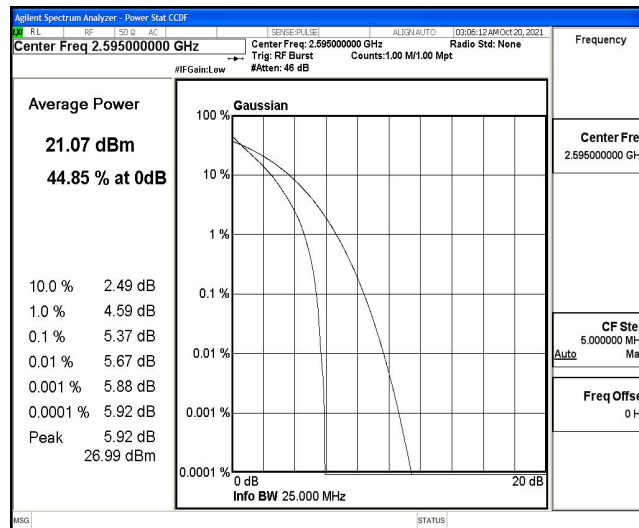
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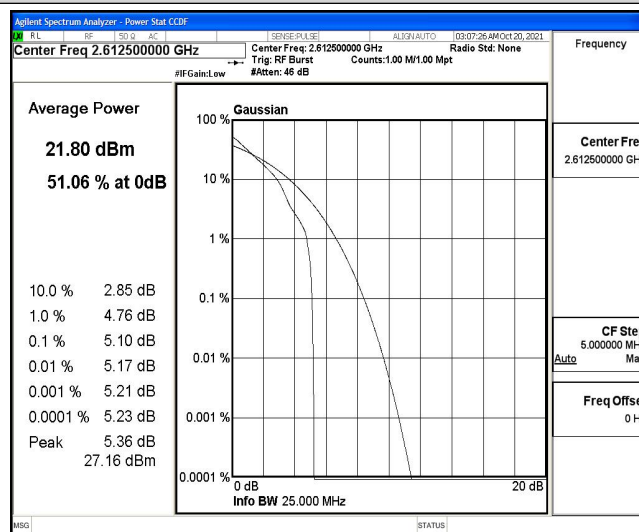
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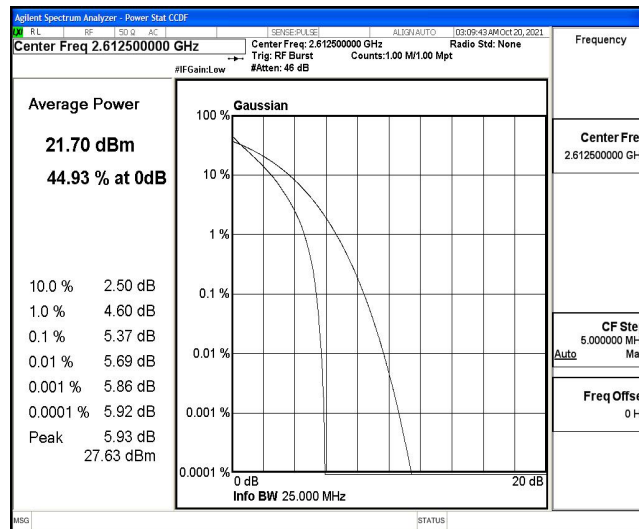
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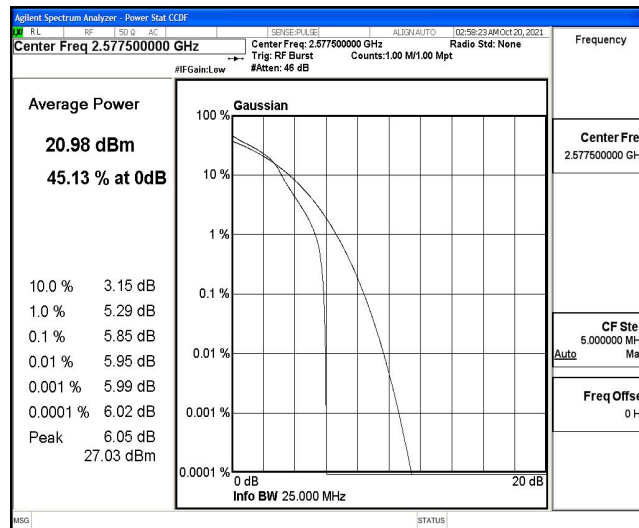
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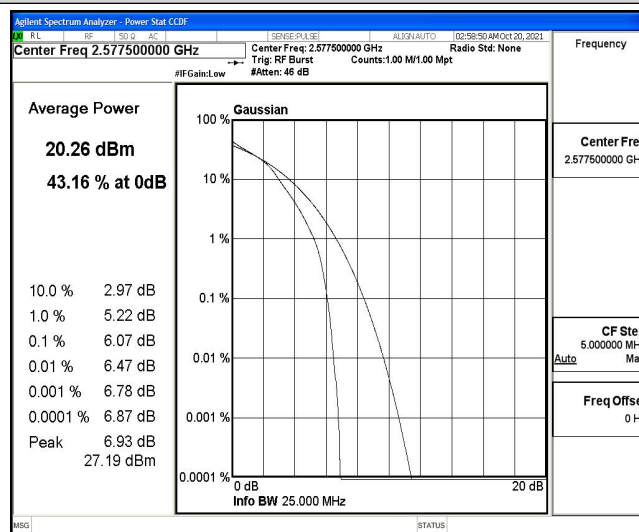
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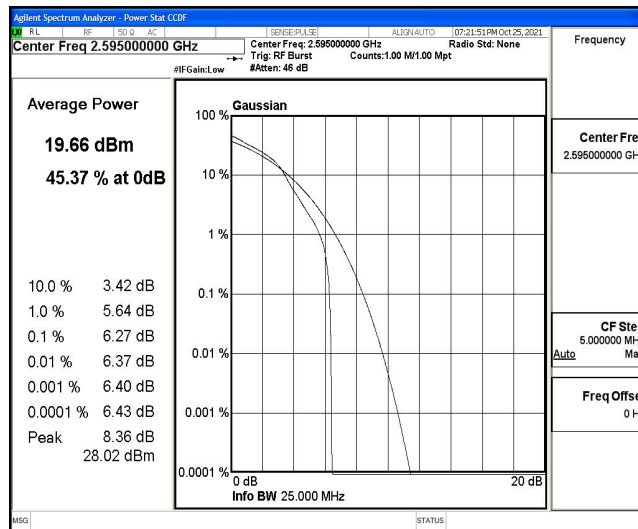
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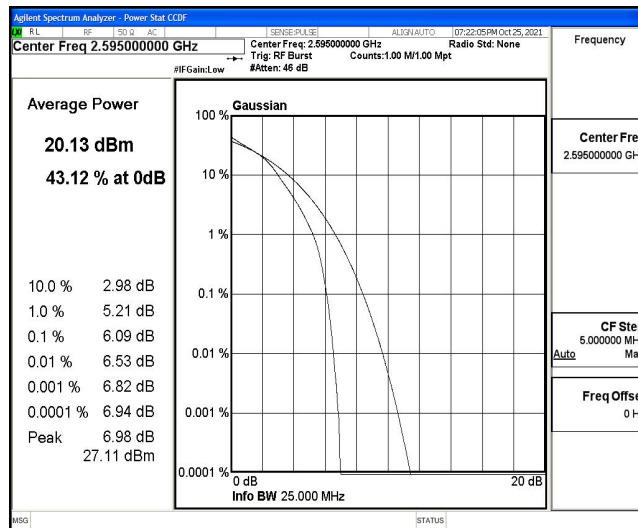
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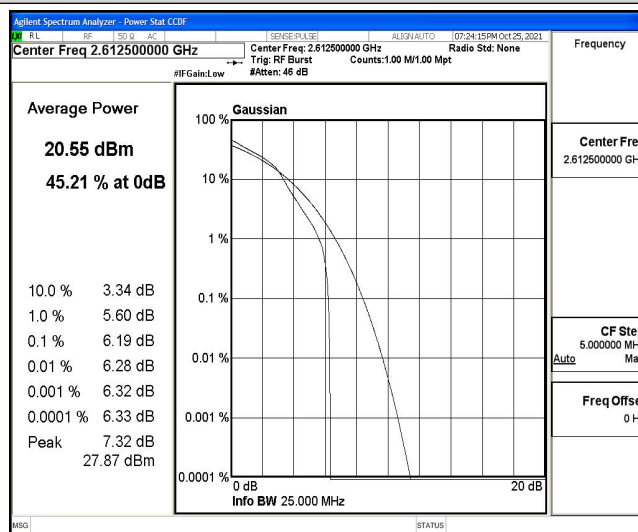
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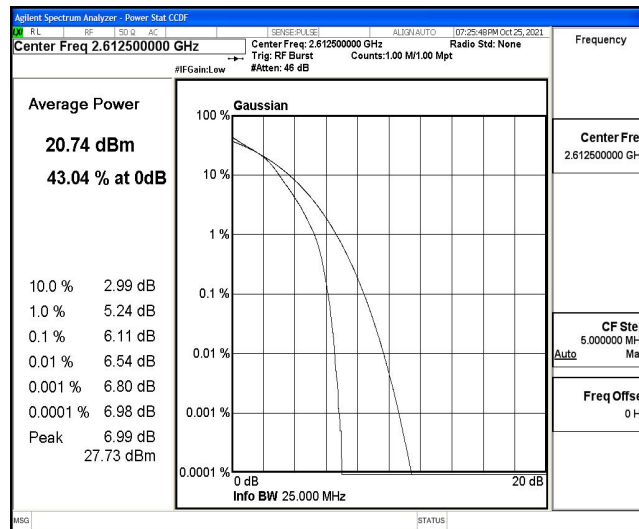
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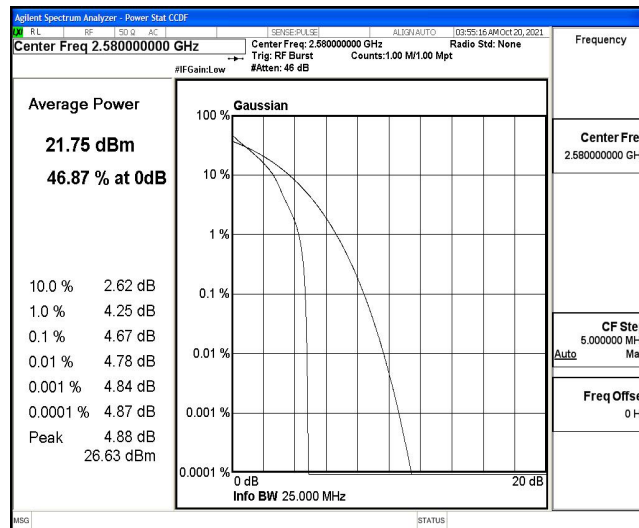
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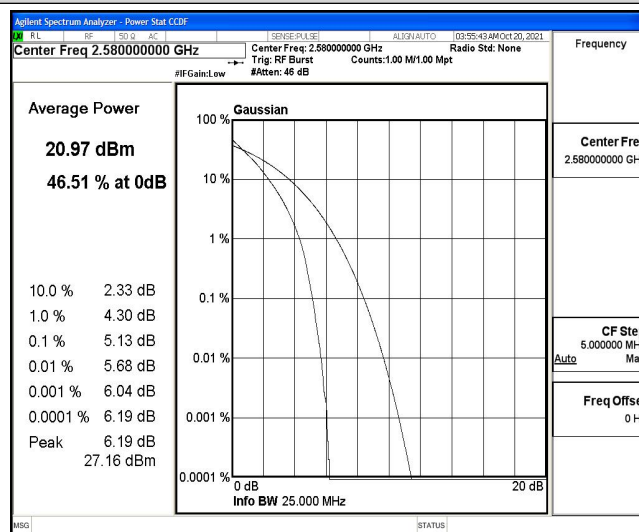
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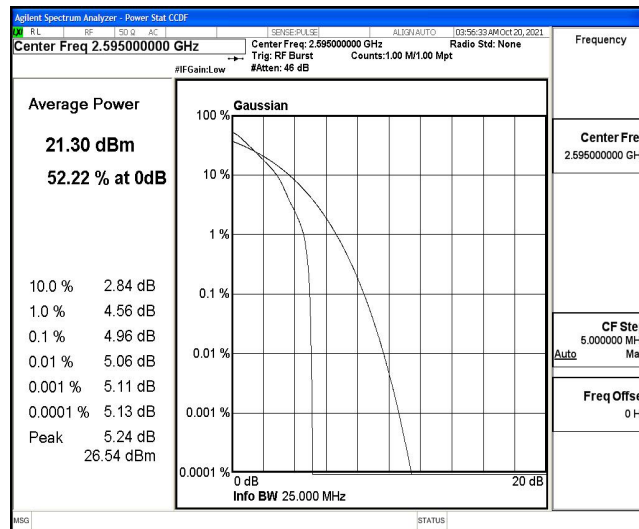
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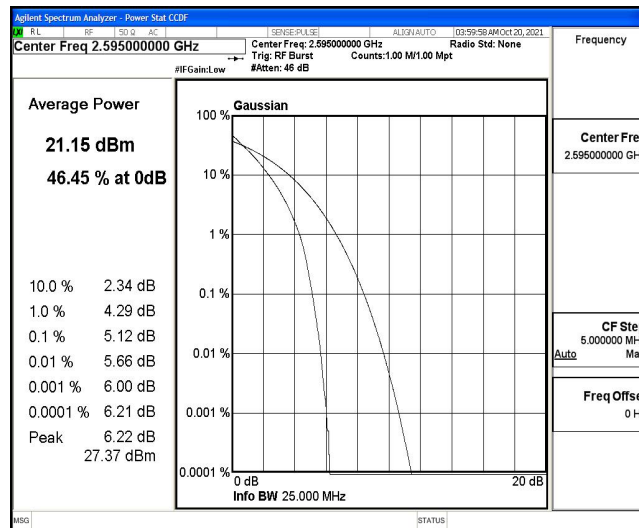
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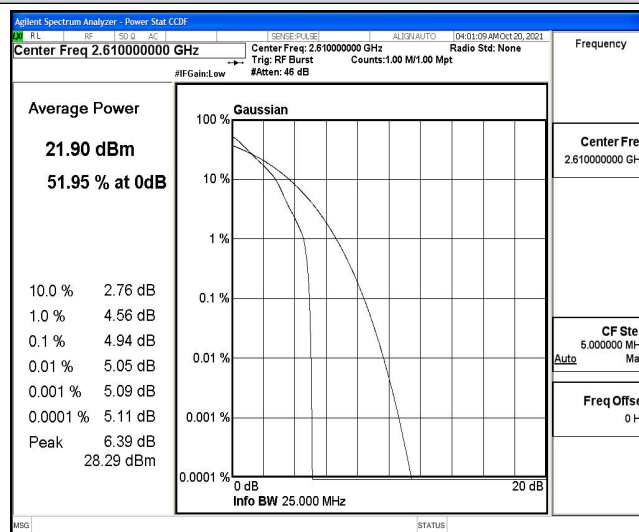
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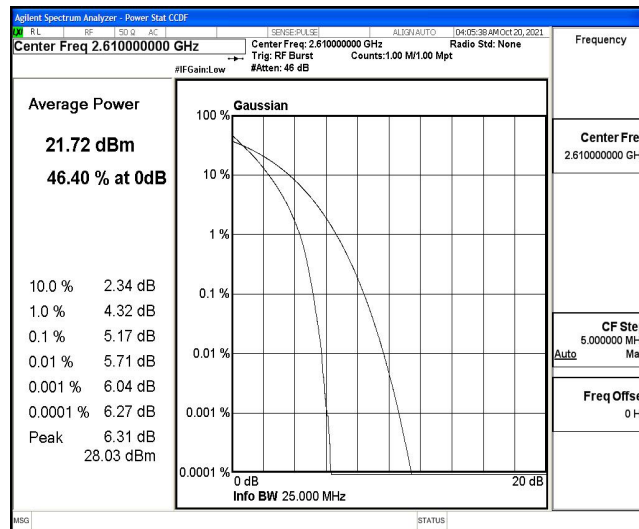
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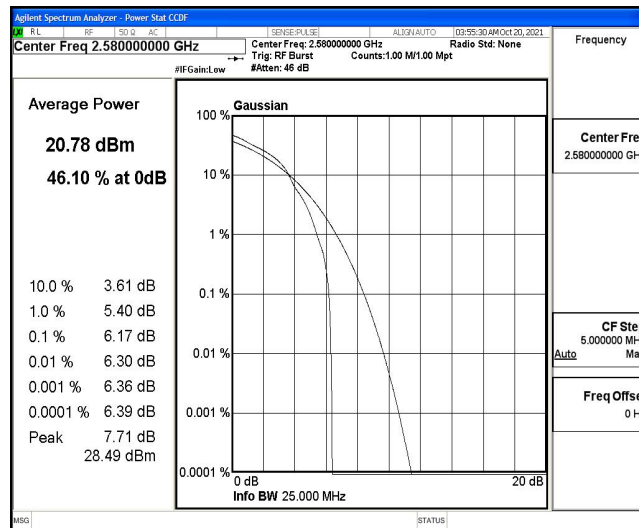
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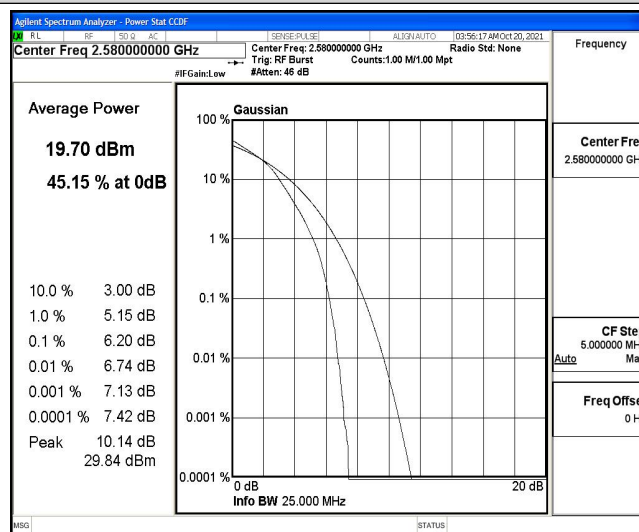
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Band38-20MHz-16QAM-37850-1RB#0



Band38-20MHz-16QAM-37850-100RB#0



Band38-20MHz-16QAM-38000-1RB#0