

LTE Test Data

General Description of EUT	
Product Name:	Smart POS Payment Terminal
Test Model:	CM30
Sample ID:	202311-0170-7-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 24V
Test Engineer:	Yan zhen ming
Note: For a more detailed features description, please refer to the report TBR-C-202311-0170-86 . The report only show the worst case data.	

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1. Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.10	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.09	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.19	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.21	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.07	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.07	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.12	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.11	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.18	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.12	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.14	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.01	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.15	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.12	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.09	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.39	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.23	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.55	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.05	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.38	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.19	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.19	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.18	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.20	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.18	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.13	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.18	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.21	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.86	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.15	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.01	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.31	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.88	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.19	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.91	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.90	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.95	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.89	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.02	PASS

Band38	5MHz	16QAM	38225	12RB#13	21.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.96	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.97	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.13	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.28	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.28	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.45	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.11	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.23	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.18	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.26	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.13	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.23	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.06	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.17	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.11	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.14	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.15	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.33	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.39	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.50	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.13	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.32	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.20	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.25	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.18	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.24	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.19	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.23	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.13	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.15	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.02	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.63	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.19	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.83	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.91	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.60	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.95	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.96	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.94	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.96	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.04	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.01	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.01	PASS

Band38	10MHz	16QAM	38200	50RB#0	21.02	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.19	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.05	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.21	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.02	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.17	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.18	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.15	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.13	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.17	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.14	PASS
Band38	15MHz	16QAM	37825	38RB#37	22.14	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.14	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.15	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.05	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.21	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.18	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.33	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.98	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.14	PASS
Band38	15MHz	QPSK	38000	38RB#0	22.17	PASS
Band38	15MHz	16QAM	38000	38RB#0	22.15	PASS
Band38	15MHz	QPSK	38000	38RB#18	22.15	PASS
Band38	15MHz	16QAM	38000	38RB#18	22.17	PASS
Band38	15MHz	QPSK	38000	38RB#37	22.17	PASS
Band38	15MHz	16QAM	38000	38RB#37	22.13	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.16	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.16	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.02	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.77	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.09	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.85	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.95	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.69	PASS
Band38	15MHz	QPSK	38175	38RB#0	22.01	PASS
Band38	15MHz	16QAM	38175	38RB#0	22.02	PASS
Band38	15MHz	QPSK	38175	38RB#18	22.03	PASS
Band38	15MHz	16QAM	38175	38RB#18	22.06	PASS
Band38	15MHz	QPSK	38175	38RB#37	22.04	PASS
Band38	15MHz	16QAM	38175	38RB#37	22.03	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.04	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.03	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.83	PASS

Band38	20MHz	16QAM	37850	1RB#0	21.86	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.25	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.25	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.42	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.44	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.11	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.17	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.13	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.17	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.09	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.12	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.10	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.12	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.87	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.86	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.31	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.32	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.38	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.37	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.10	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.14	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.08	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.14	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.05	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.11	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.09	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.11	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.75	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.39	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.08	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.65	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.11	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.69	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.94	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.03	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.94	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.05	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.08	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.10	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.02	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.06	PASS

2. Peak-to-Average Ratio(CCDF)

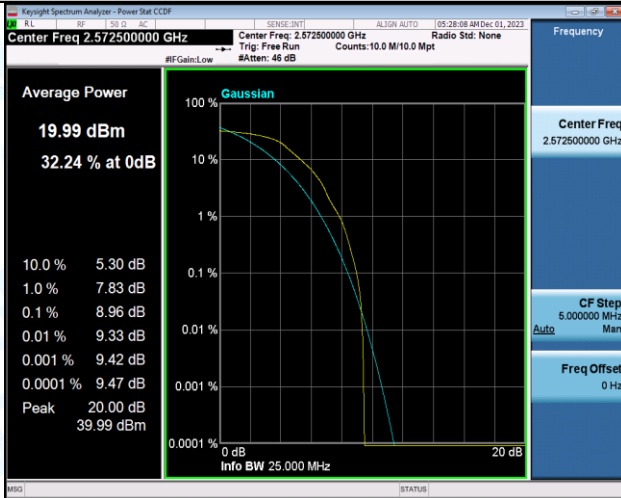
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	8.96	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.43	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.02	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.42	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.50	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	9.12	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.97	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.71	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.58	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	9.14	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	8.68	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.81	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.70	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.15	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.05	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.74	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.37	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	9.49	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.92	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.79	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.38	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	9.11	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.64	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	10.00	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.72	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	9.10	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.14	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.81	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.78	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	9.38	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.64	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.95	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	8.64	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.61	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.30	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.64	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	8.55	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	9.24	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.20	13	PASS

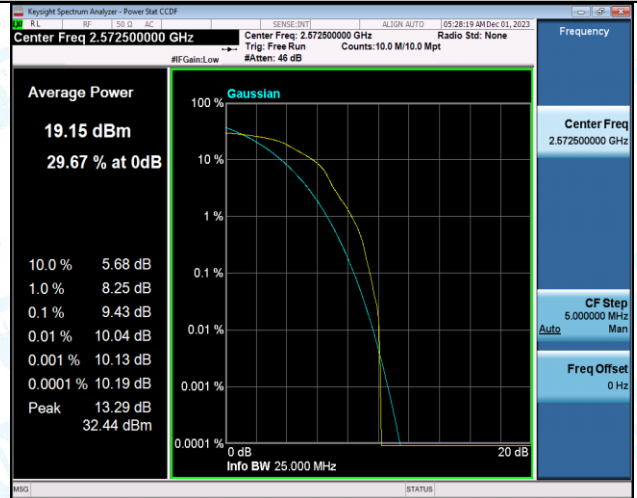
Band38	20MHz	16QAM	37850	100RB#0	9.79	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.54	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.51	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.87	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	10.01	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.29	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.29	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.15	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.47	13	PASS

Test Graphs

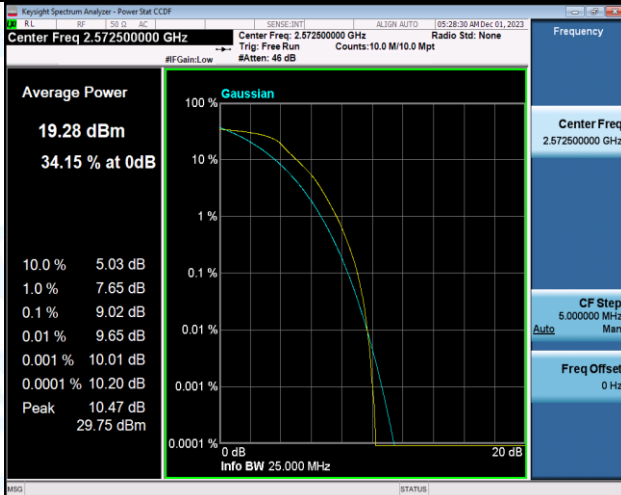
Band38-5MHz-QPSK-37775-1RB#0-PASS



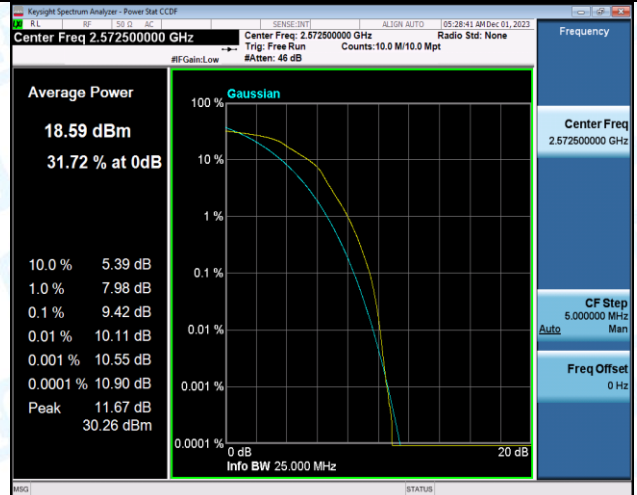
Band38-5MHz-16QAM-37775-1RB#0-PASS



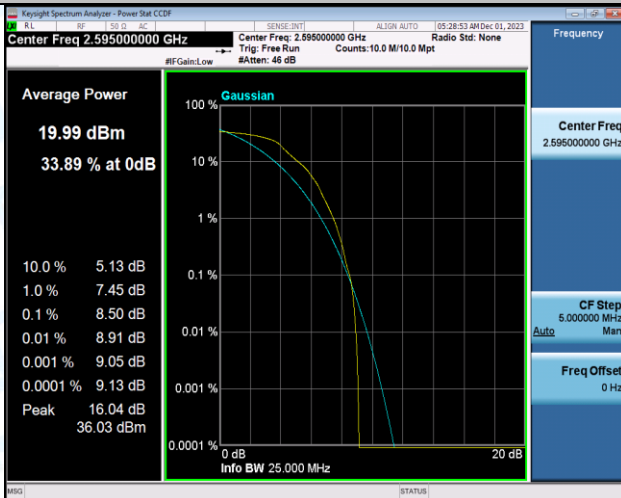
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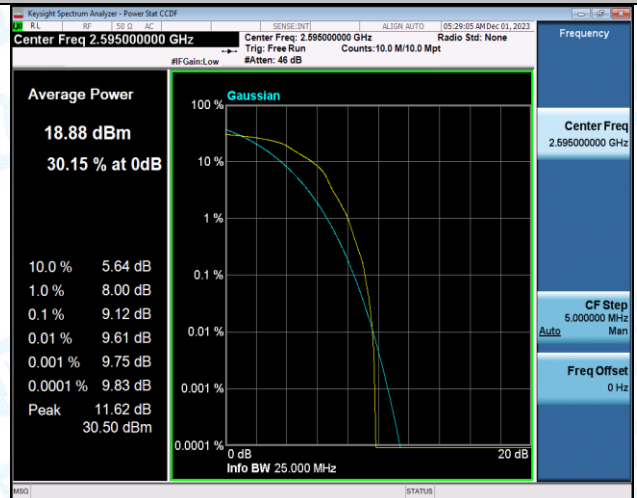
Band38-5MHz-16QAM-37775-25RB#0-PASS



Band38-5MHz-QPSK-38000-1RB#0-PASS

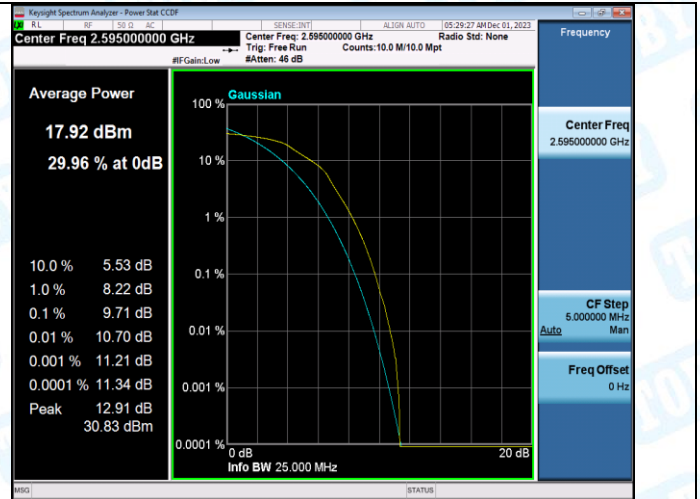
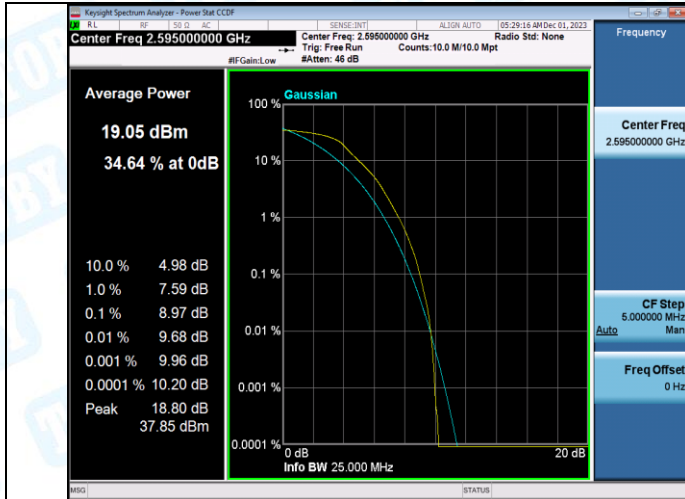


Band38-5MHz-16QAM-38000-1RB#0-PASS



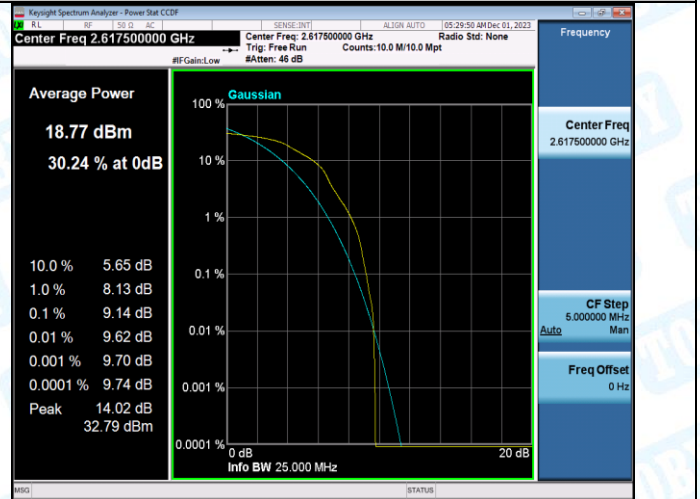
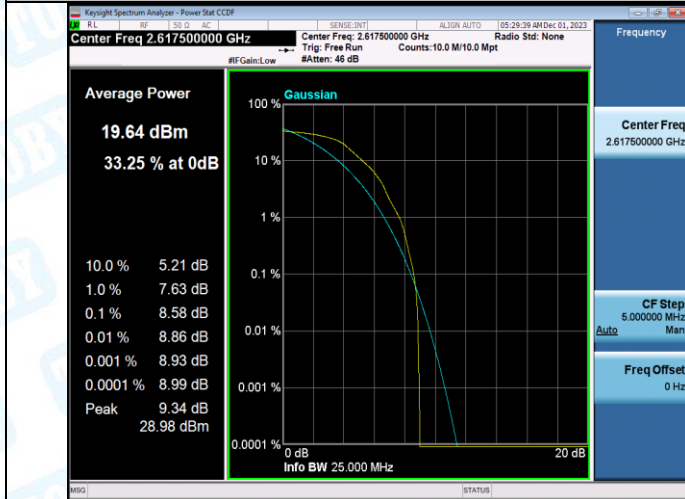
Band38-5MHz-QPSK-38000-25RB#0-PASS

Band38-5MHz-16QAM-38000-25RB#0-PASS



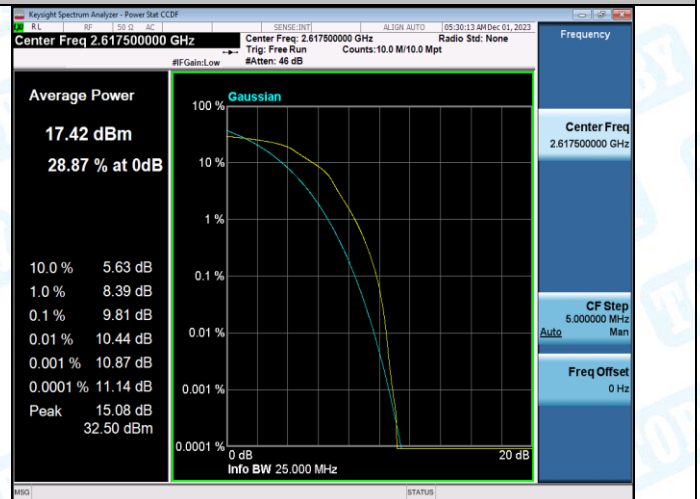
Band38-5MHz-QPSK-38225-1RB#0-PASS

Band38-5MHz-16QAM-38225-1RB#0-PASS



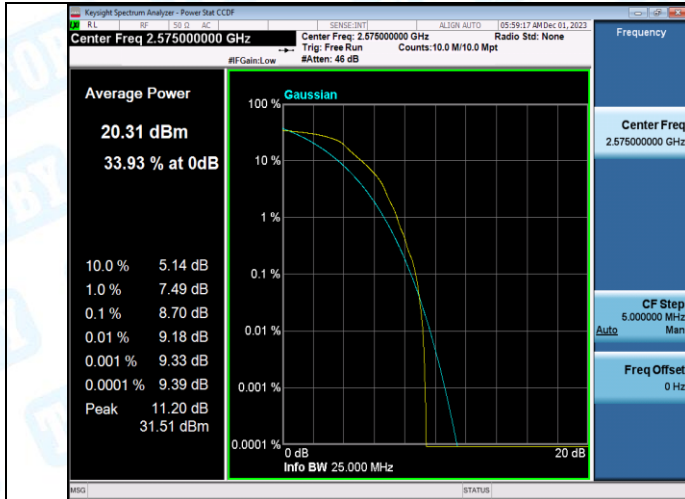
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Band38-5MHz-16QAM-38225-25RB#0-PASS

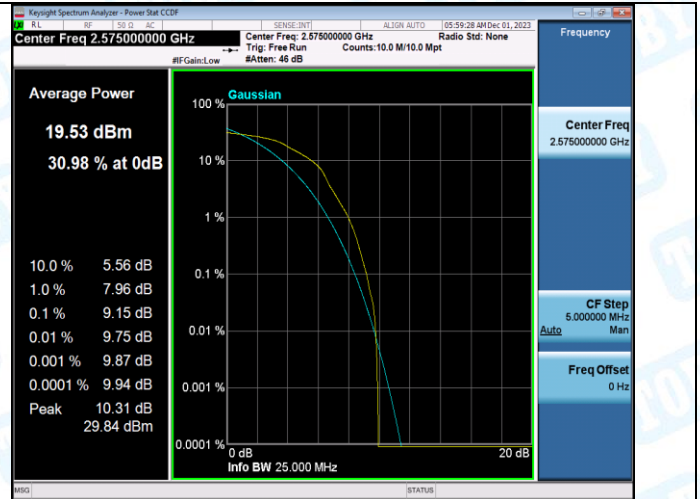


Band38-10MHz-QPSK-37800-1RB#0-PASS

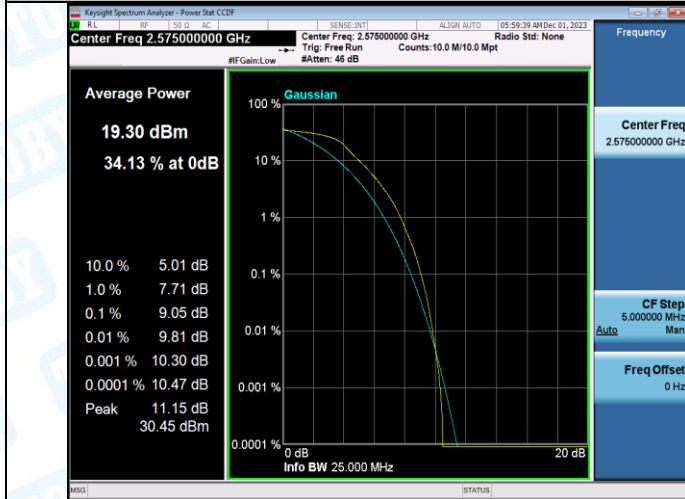
Band38-10MHz-16QAM-37800-1RB#0-PASS



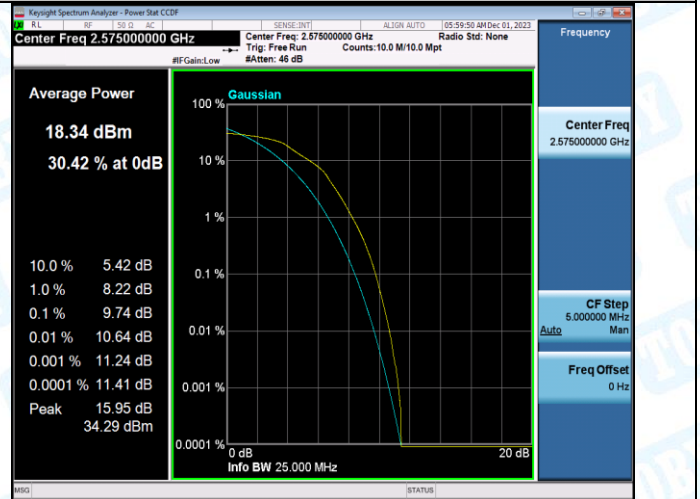
Band38-10MHz-QPSK-37800-50RB#0-PASS



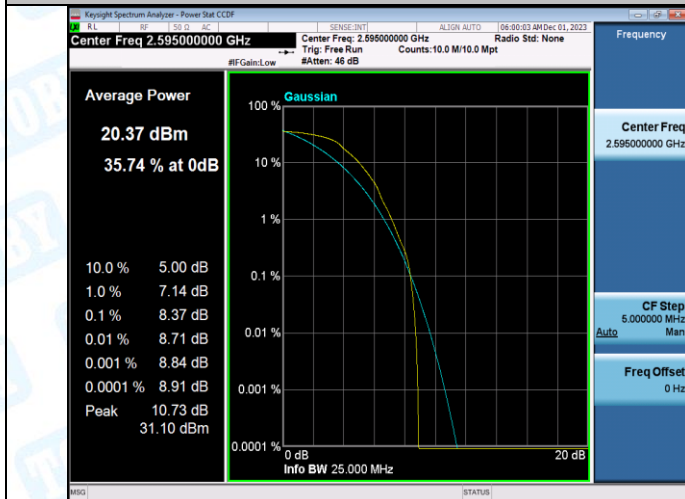
Band38-10MHz-16QAM-37800-50RB#0-PASS



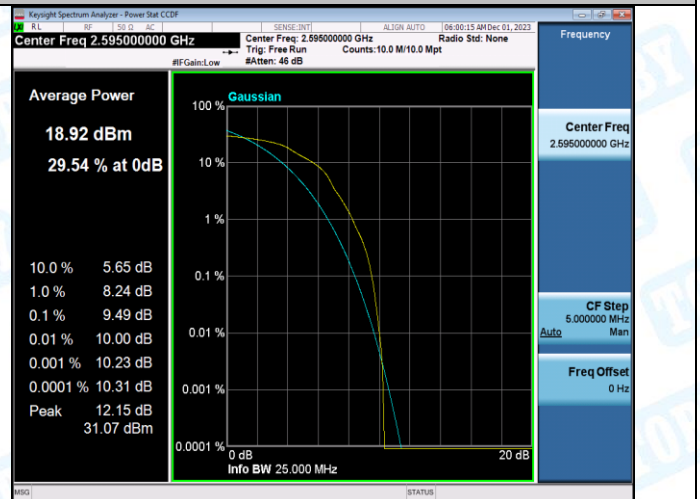
Band38-10MHz-QPSK-38000-1RB#0-PASS



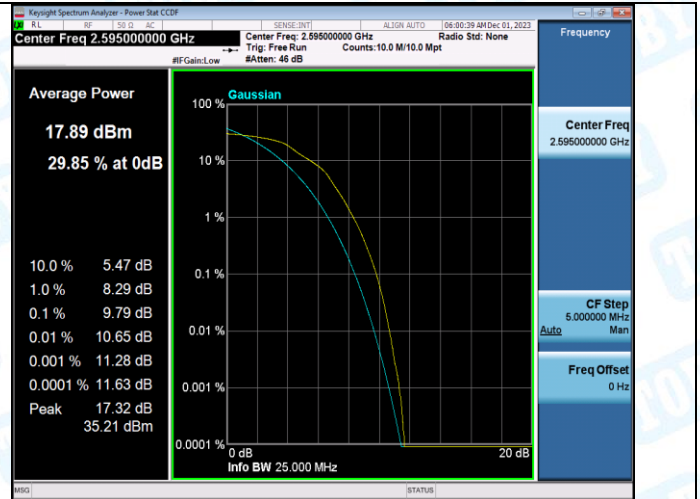
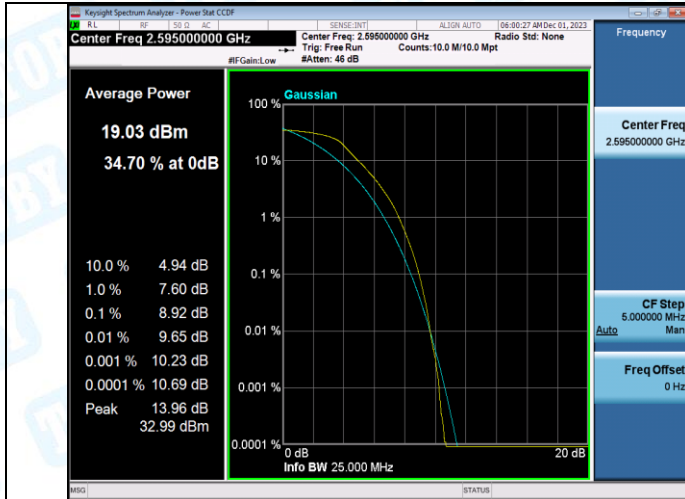
Band38-10MHz-16QAM-38000-1RB#0-PASS



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

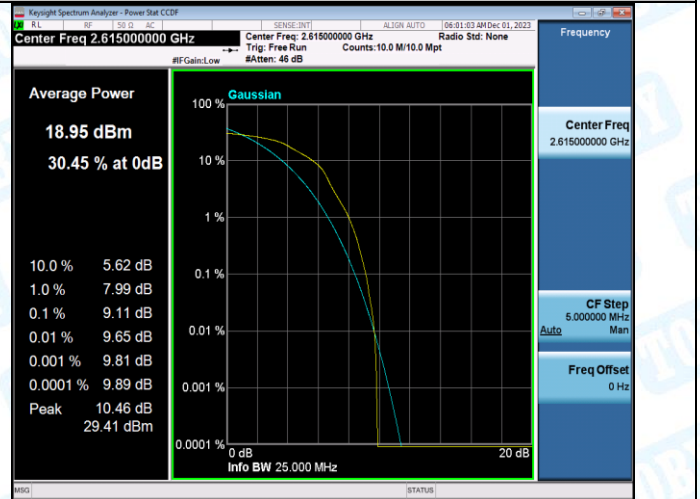
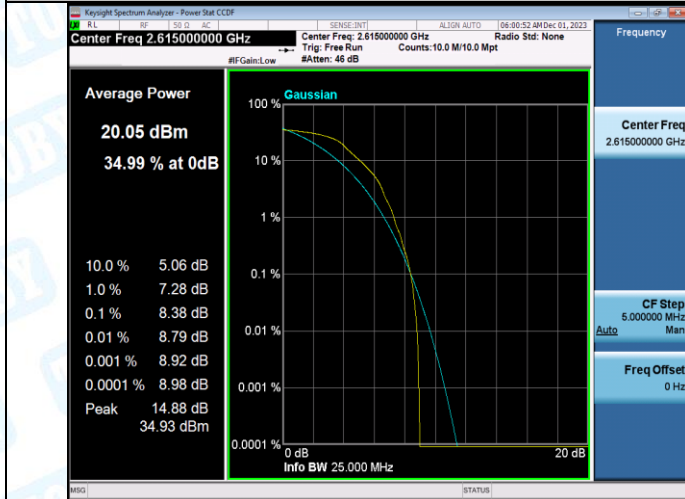


Band38-10MHz-16QAM-38000-50RB#0-PASS



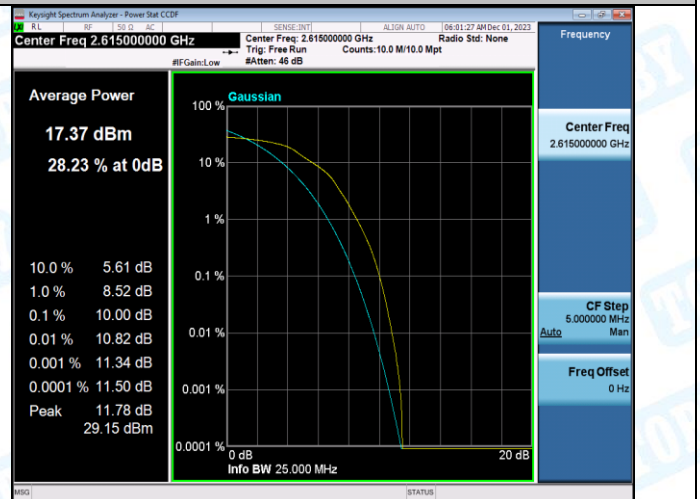
Band38-10MHz-QPSK-38200-1RB#0-PASS

Band38-10MHz-16QAM-38200-1RB#0-PASS



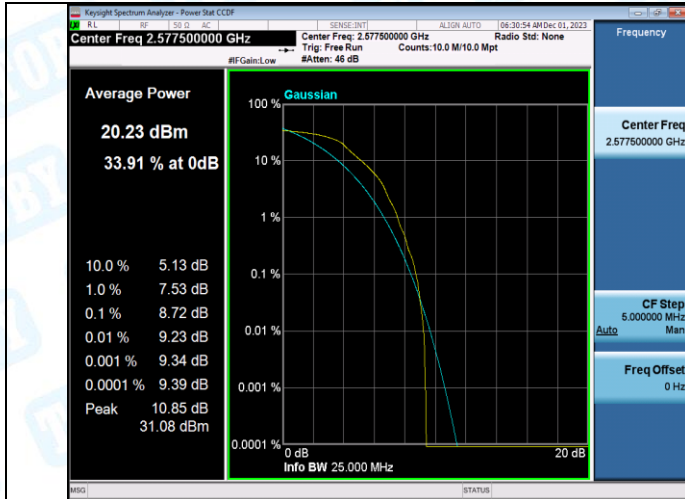
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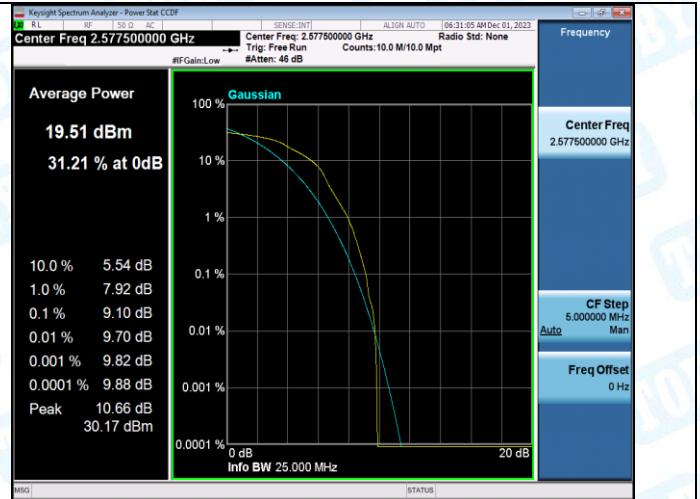


Band38-15MHz-QPSK-37825-1RB#0-PASS

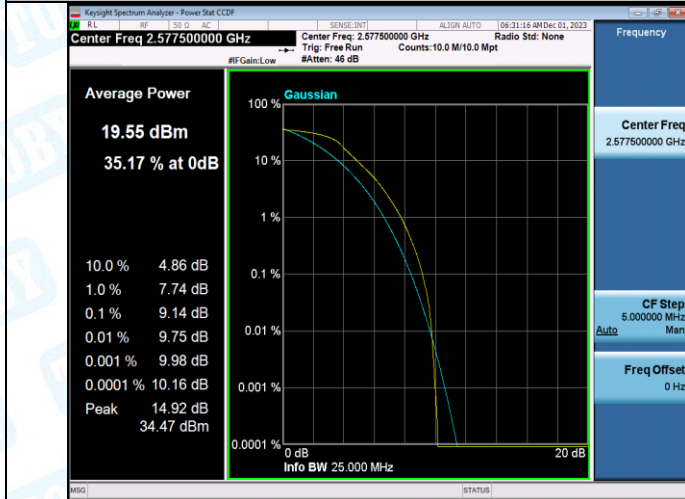
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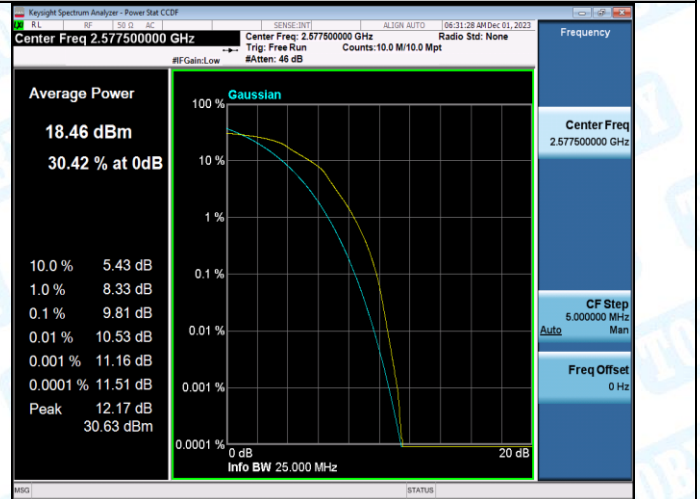
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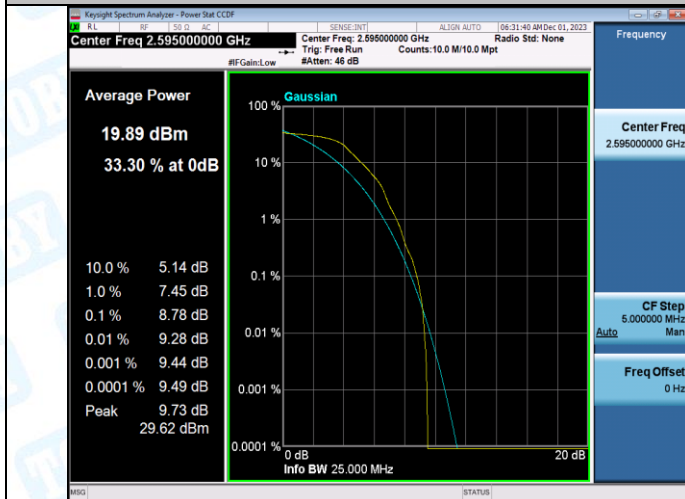
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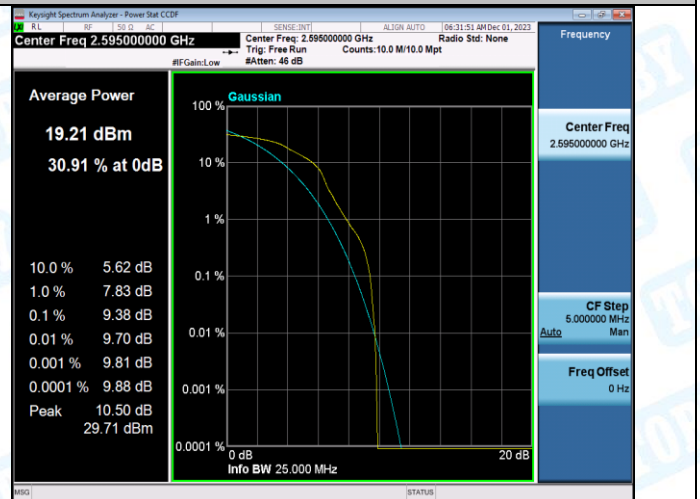
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Band38-15MHz-16QAM-38000-1RB#0-PASS



Band38-15MHz-QPSK-38000-75RB#0-PASS



Band38-15MHz-16QAM-38000-75RB#0-PASS