

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
Band12	1.4MHz	QPSK	23017	1RB#0	23.18	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.94	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.28	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.12	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.19	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.92	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.33	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.09	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.35	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.05	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.35	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.06	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.16	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.21	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.11	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.18	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.27	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.26	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.15	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.11	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.34	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.15	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.32	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.13	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.31	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.09	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.18	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.25	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.22	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.06	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.26	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.18	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.14	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.99	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.31	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.16	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.30	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.17	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.31	PASS

Band12	1.4MHz	16QAM	23173	3RB#3	22.16	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.18	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.06	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.17	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.20	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.26	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.24	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.21	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.26	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.19	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.27	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.13	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.29	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.21	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.27	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.17	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.28	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.25	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.19	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.30	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.10	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.26	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.11	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.21	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.30	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.23	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.32	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.22	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.28	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.25	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.22	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.16	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.99	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.24	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.00	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.23	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.97	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.31	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.32	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.31	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.34	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.24	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.29	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.23	PASS

Band12	3MHz	16QAM	23165	15RB#0	21.23	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.19	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.16	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.29	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.21	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.14	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.12	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.24	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.29	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.23	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.29	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.08	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.17	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.21	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.29	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.10	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.25	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.23	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.33	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.17	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.28	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.24	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.33	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.24	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.40	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.38	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.46	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.33	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.33	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.17	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.09	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.24	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.19	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.13	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.06	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.28	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.36	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.30	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.40	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.16	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.21	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.25	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.33	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.20	PASS

Band12	10MHz	16QAM	23060	1RB#0	22.22	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.31	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.36	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.28	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.27	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.40	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.45	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.43	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.48	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.28	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.30	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.39	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.40	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.22	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.10	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.35	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.24	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.27	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.12	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.38	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.47	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.40	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.46	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.50	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.64	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.47	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.54	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.27	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.03	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.33	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.16	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.22	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.03	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.17	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.27	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.14	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.27	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.13	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.22	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.09	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.18	PASS

2. Peak-to-Average Ratio(CCDF)

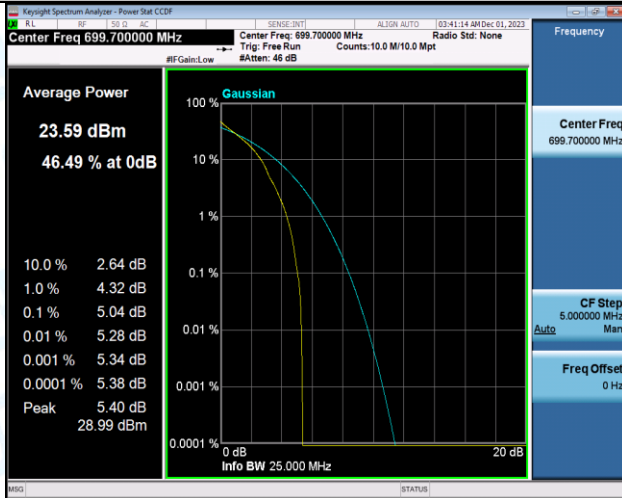
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.04	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.11	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.64	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.48	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.54	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.56	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.94	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.78	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.93	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.02	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.59	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.43	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.08	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.95	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.61	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.47	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.45	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.36	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.99	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.82	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.06	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.95	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.66	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.50	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.17	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.84	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.67	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.44	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.44	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.00	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	6.00	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.73	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.39	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.99	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.78	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.51	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.06	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.94	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.79	13	PASS

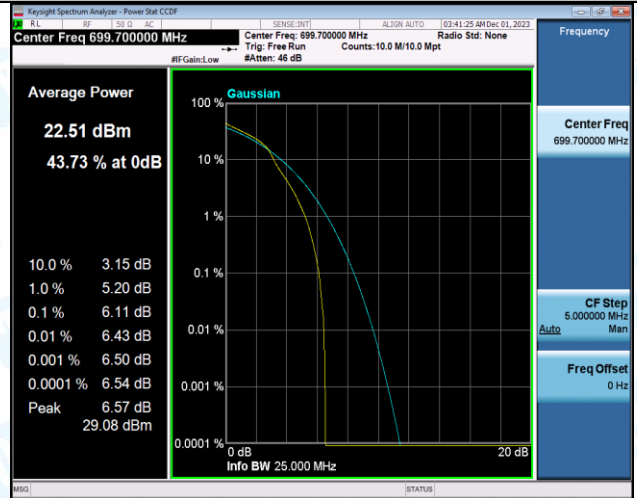
Band12	10MHz	16QAM	23060	50RB#0	6.56	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.04	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.95	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.91	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.67	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.50	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.37	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.78	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.60	13	PASS

Test Graphs

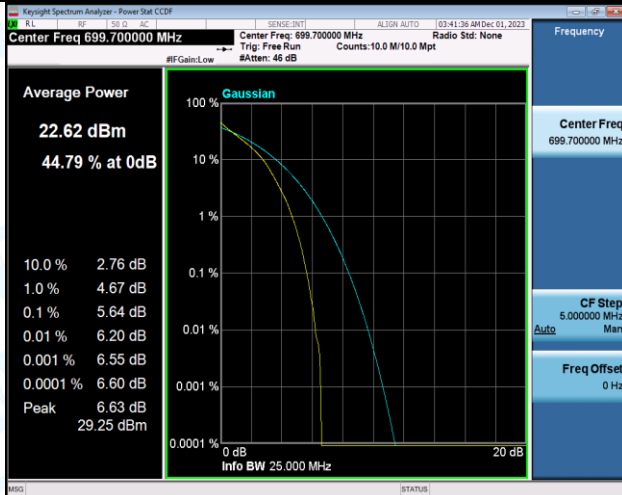
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



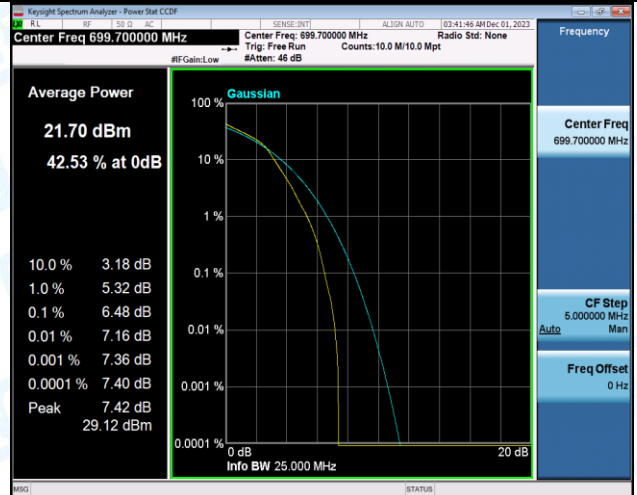
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



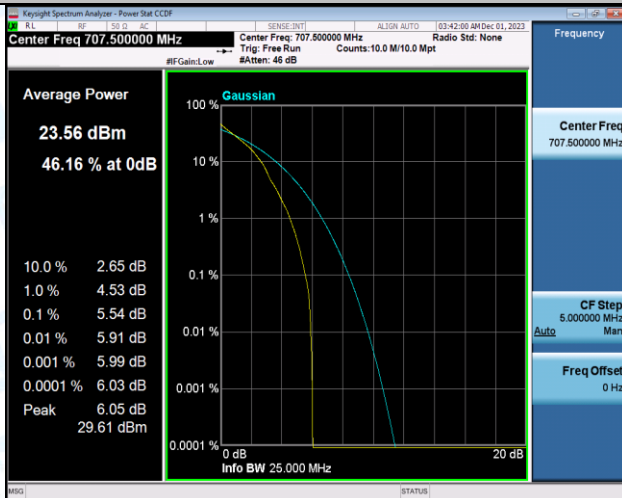
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



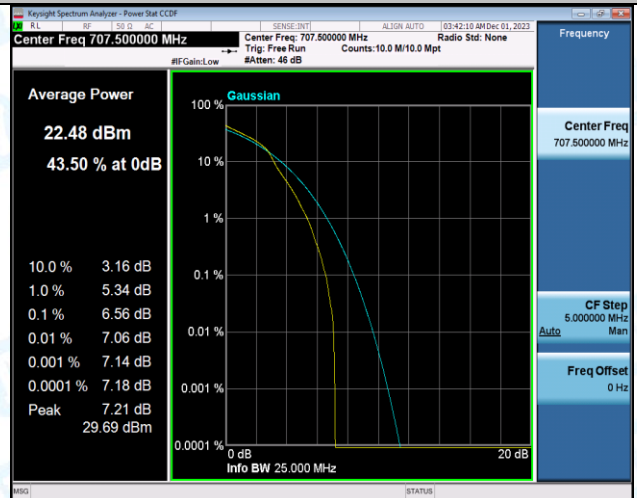
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



Band12-1.4MHz-QPSK-23095-1RB#0-PASS

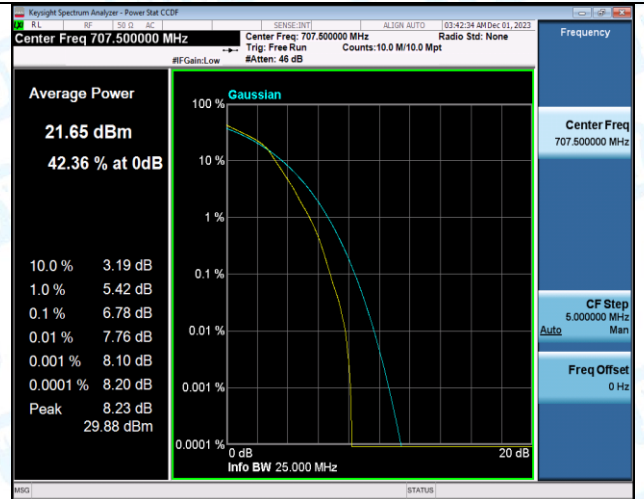
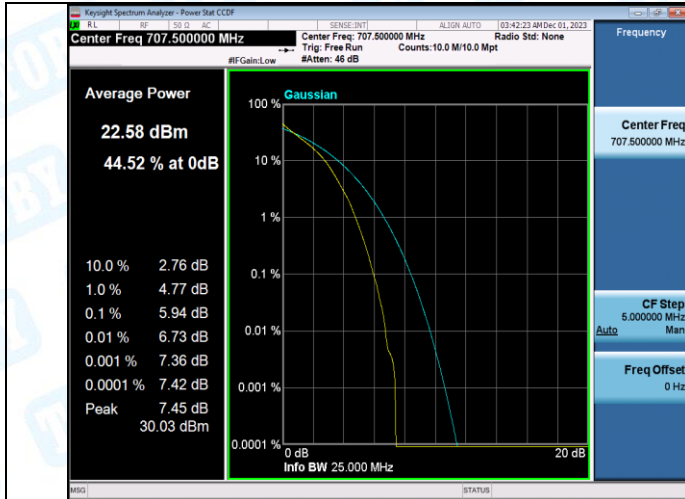


Band12-1.4MHz-16QAM-23095-1RB#0-PASS



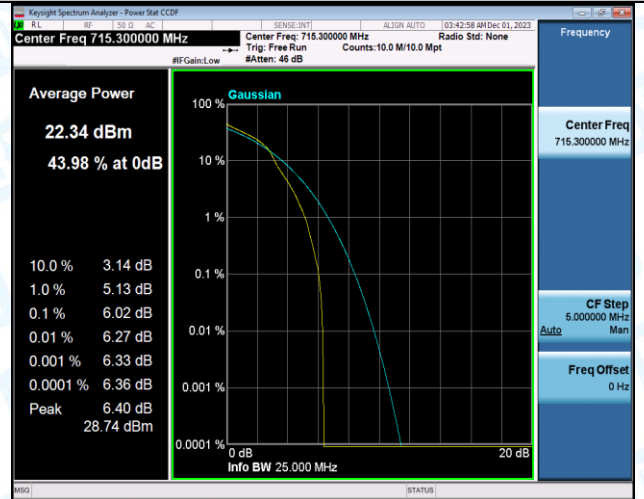
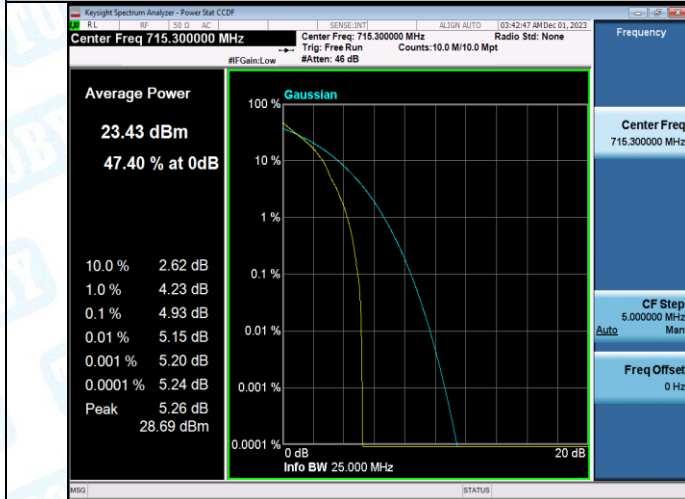
Band12-1.4MHz-QPSK-23095-6RB#0-PASS

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



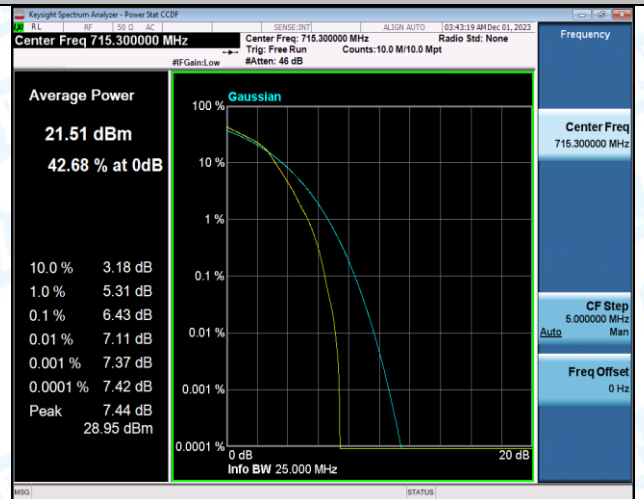
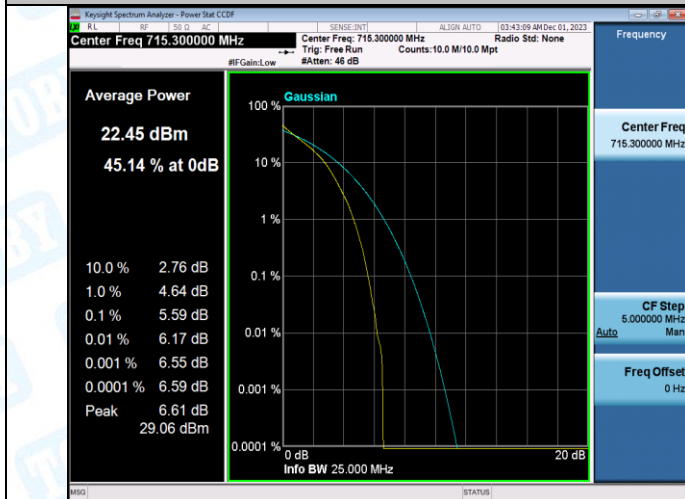
Band12-1.4MHz-QPSK-23173-1RB#0-PASS

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



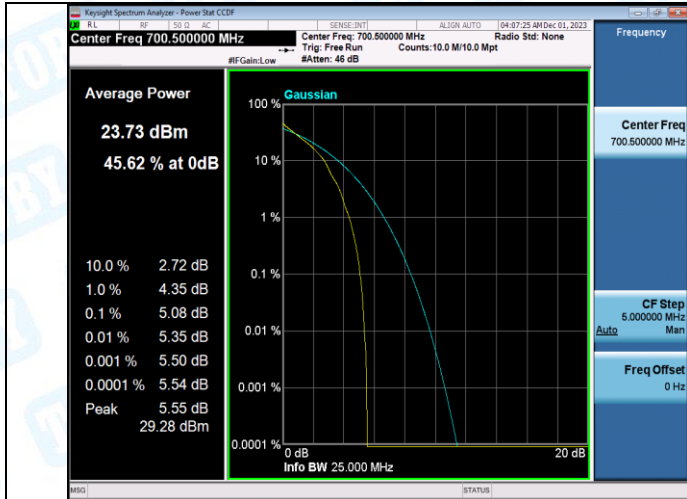
Band12-1.4MHz-QPSK-23173-6RB#0-PASS

Band12-1.4MHz-16QAM-23173-6RB#0-PASS

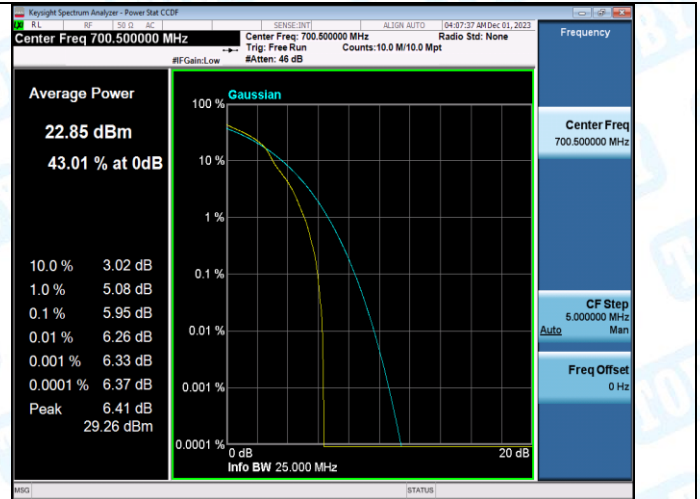


Band12-3MHz-QPSK-23025-1RB#0-PASS

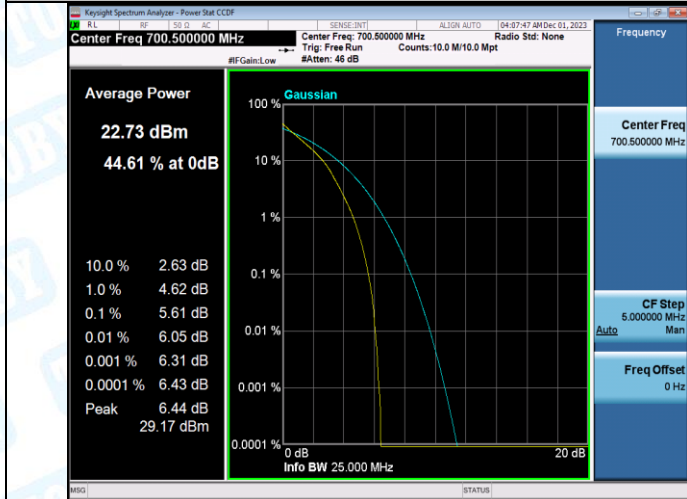
Band12-3MHz-16QAM-23025-1RB#0-PASS



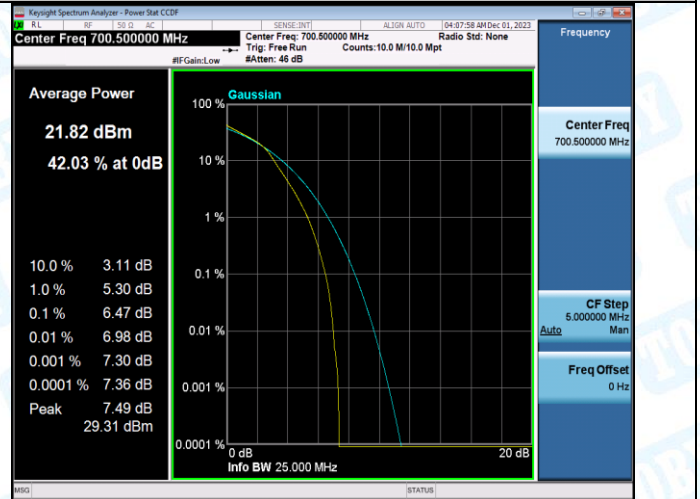
Band12-3MHz-QPSK-23025-15RB#0-PASS



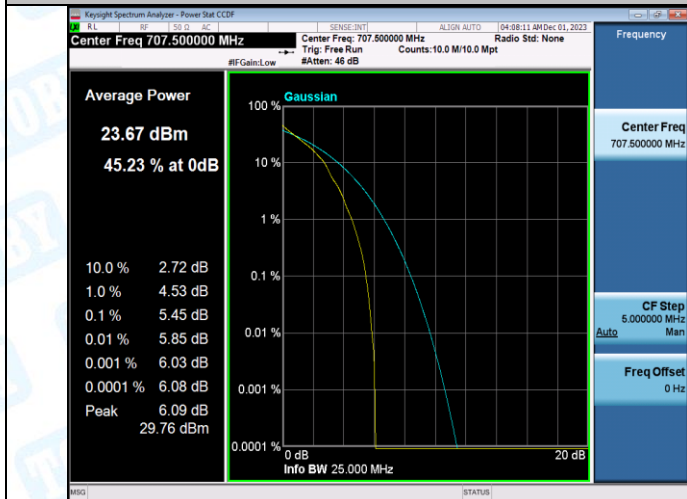
Band12-3MHz-16QAM-23025-15RB#0-PASS



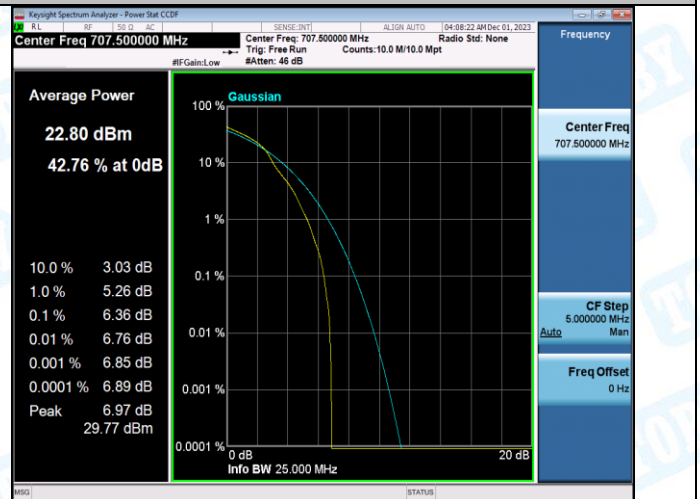
Band12-3MHz-QPSK-23095-1RB#0-PASS



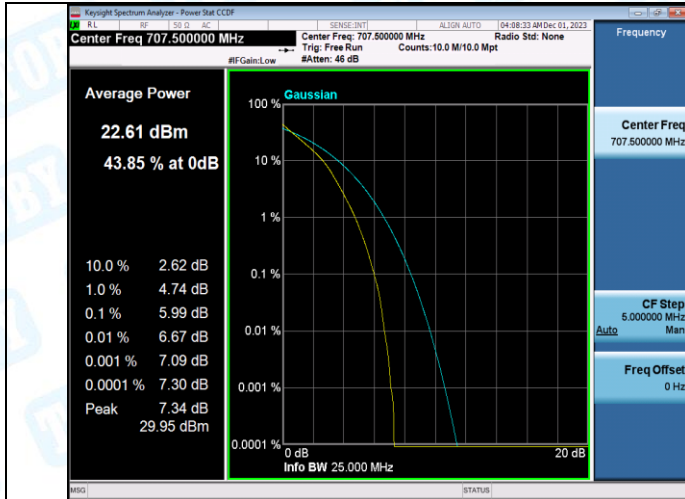
Band12-3MHz-16QAM-23095-1RB#0-PASS



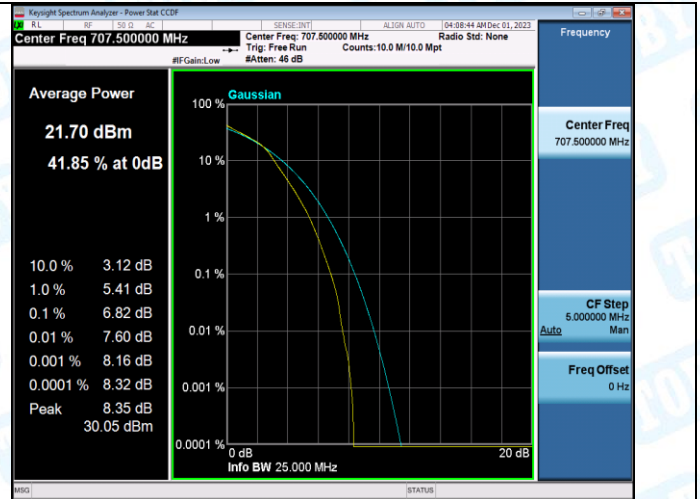
Band12-3MHz-QPSK-23095-15RB#0-PASS



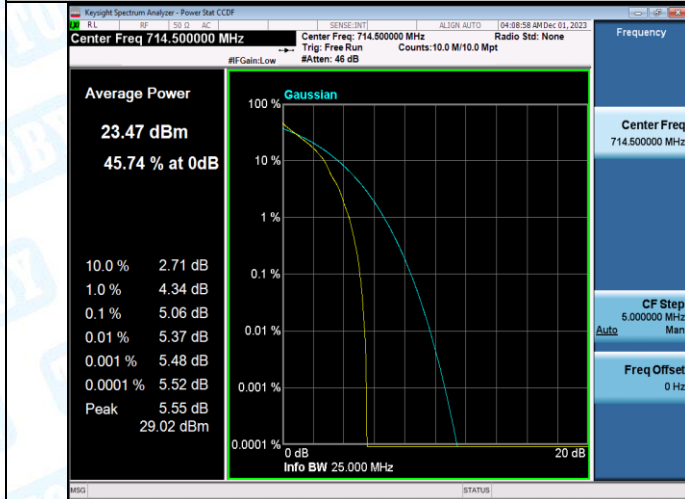
Band12-3MHz-16QAM-23095-15RB#0-PASS



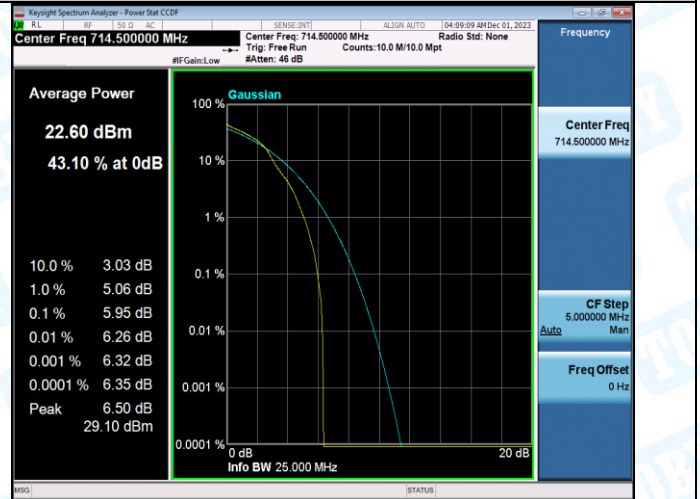
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Band12-3MHz-16QAM-23165-1RB#0-PASS



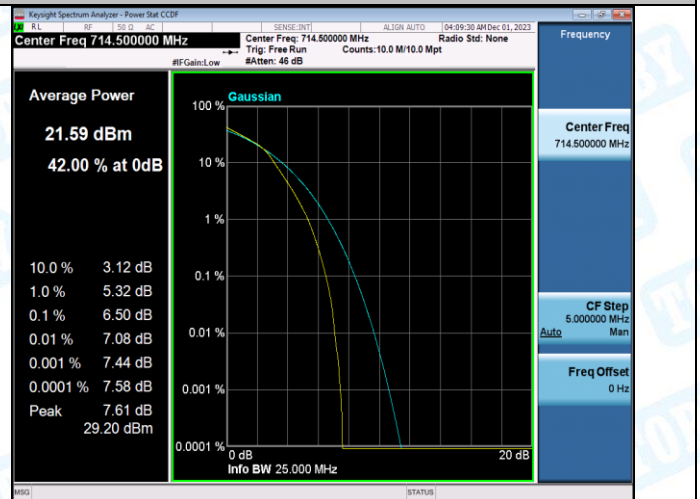
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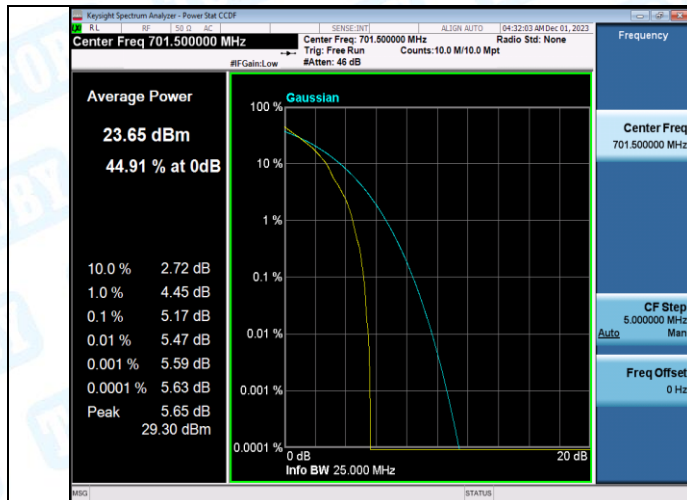
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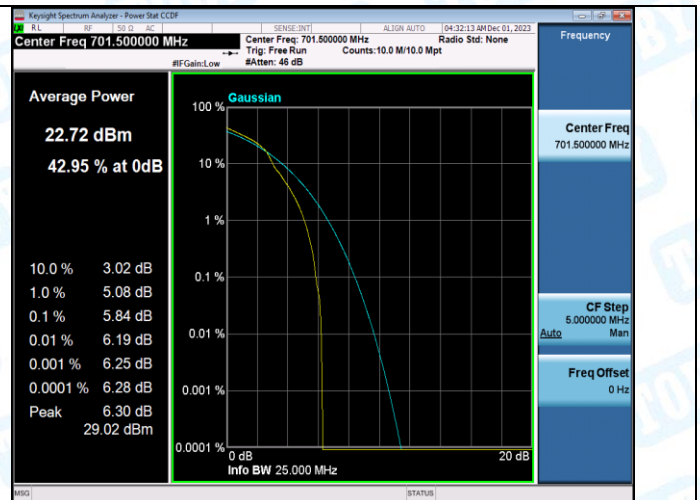
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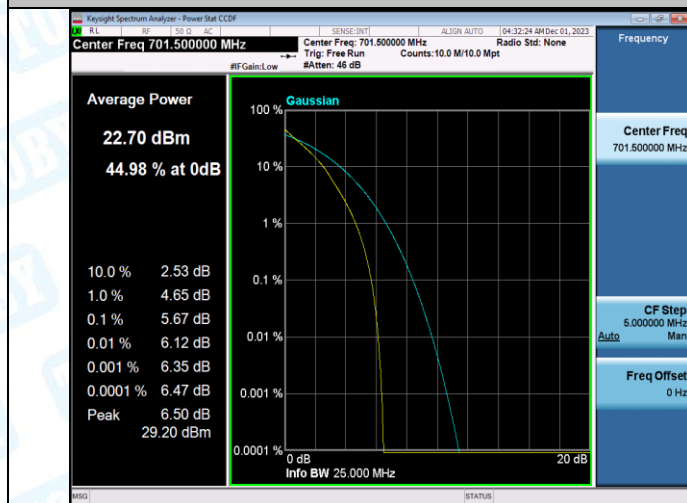
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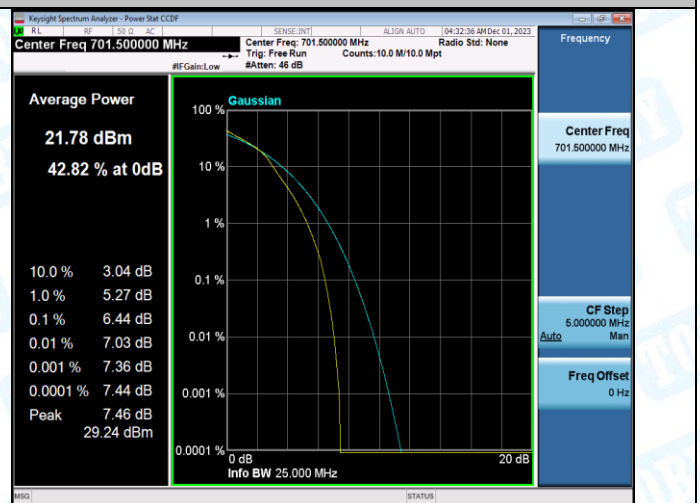
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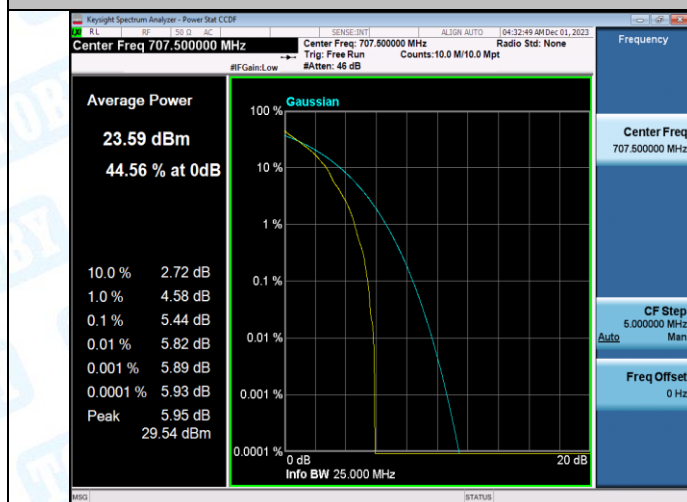
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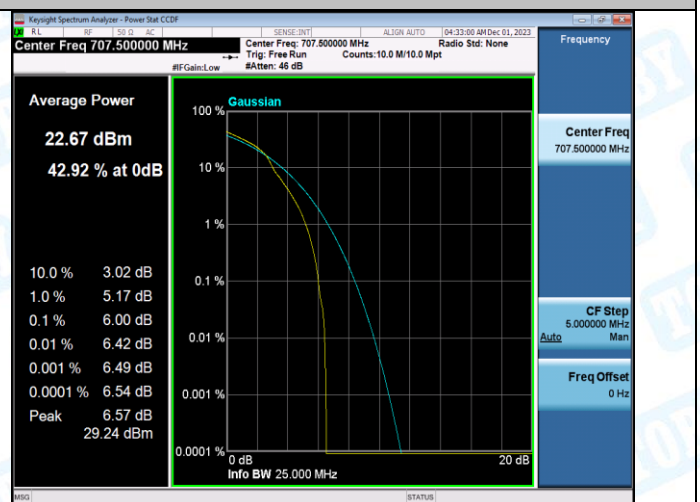
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Band12-5MHz-QPSK-23095-25RB#0-PASS



Band12-5MHz-16QAM-23095-25RB#0-PASS