

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°C
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	23.75	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.37	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.86	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.59	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.73	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.35	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.89	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.56	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.89	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.55	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.90	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.56	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.72	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.64	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.57	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.55	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.73	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.63	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.54	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.83	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.56	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.82	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.60	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.82	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.51	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.62	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.66	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.67	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.42	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.78	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.56	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.59	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.35	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.70	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.47	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.73	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.50	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.72	PASS

Band12	1.4MHz	16QAM	23173	3RB#3	22.46	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.57	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.39	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.79	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.82	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.72	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.74	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.73	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.69	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.69	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.72	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.66	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.73	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.70	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.70	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.67	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.64	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.78	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.66	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.78	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.59	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.86	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.59	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.67	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.70	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.64	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.70	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.69	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.70	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.68	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.65	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.67	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.29	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.72	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.36	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.62	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.34	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.72	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.67	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.68	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.63	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.62	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.59	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.57	PASS

Band12	3MHz	16QAM	23165	15RB#0	21.52	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.75	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.61	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.80	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.65	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.75	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.58	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.68	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.69	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.67	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.60	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.54	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.58	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.60	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.63	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.66	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.72	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.78	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.89	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.66	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.69	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.71	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.81	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.73	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.78	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.83	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.91	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.73	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.75	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.68	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.43	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.73	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.53	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.58	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.43	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.65	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.66	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.65	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.70	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.49	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.45	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.62	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.64	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.68	PASS

Band12	10MHz	16QAM	23060	1RB#0	22.65	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.78	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.86	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.70	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.69	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.82	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.87	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.81	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.86	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.70	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.74	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.81	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.75	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.70	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.39	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.89	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.50	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.65	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.35	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.89	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.97	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.93	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.95	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.02	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.07	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.95	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.02	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.64	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.74	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.83	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.78	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.56	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.59	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.47	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.48	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.49	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.52	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.39	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.38	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.43	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.48	PASS

2. Peak-to-Average Ratio(CCDF)

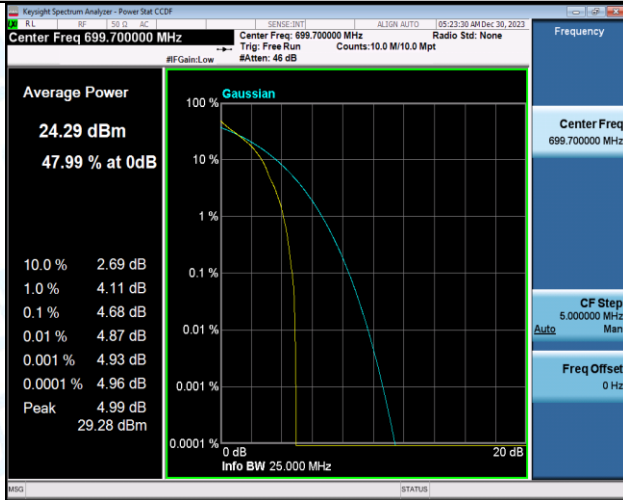
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.68	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.80	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.33	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.25	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.41	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.52	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	6.06	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.94	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.46	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.60	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.36	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.26	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.65	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.57	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.25	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.17	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.17	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.11	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	6.08	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.96	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.39	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.32	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.37	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.27	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.78	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.54	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.36	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.20	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.09	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.81	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	6.04	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.85	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.96	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.69	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.53	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.34	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	8.74	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.63	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.39	13	PASS

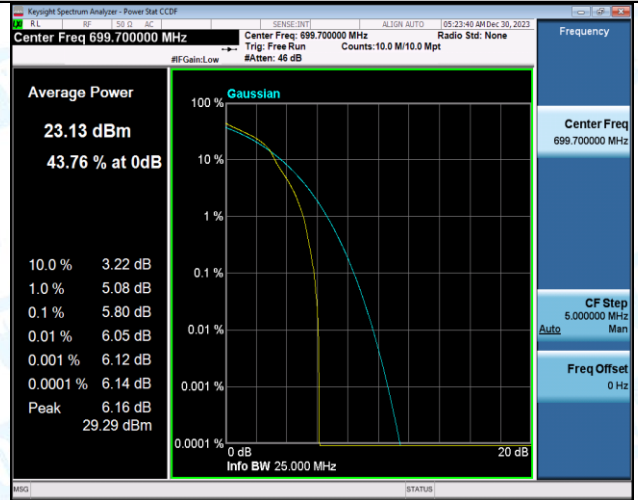
Band12	10MHz	16QAM	23060	50RB#0	9.23	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.58	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.50	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.07	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	10.17	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.34	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.25	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.52	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.04	13	PASS

Test Graphs

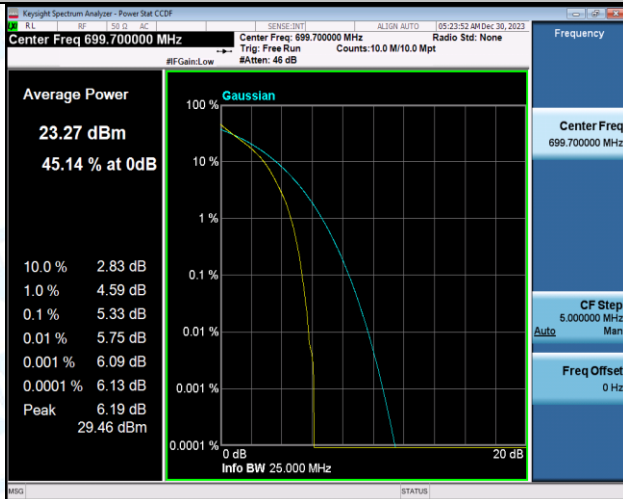
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



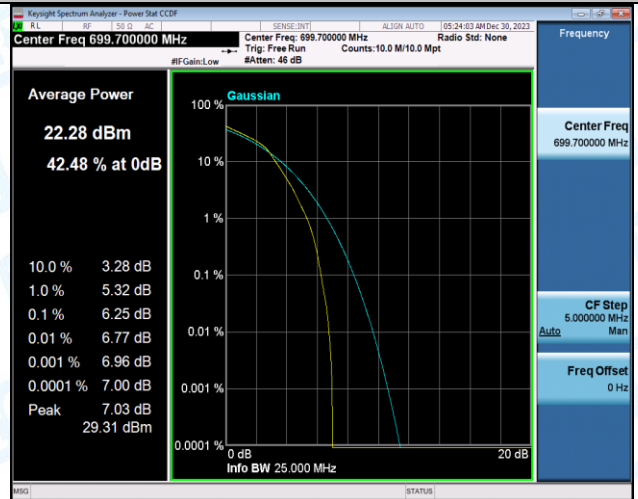
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



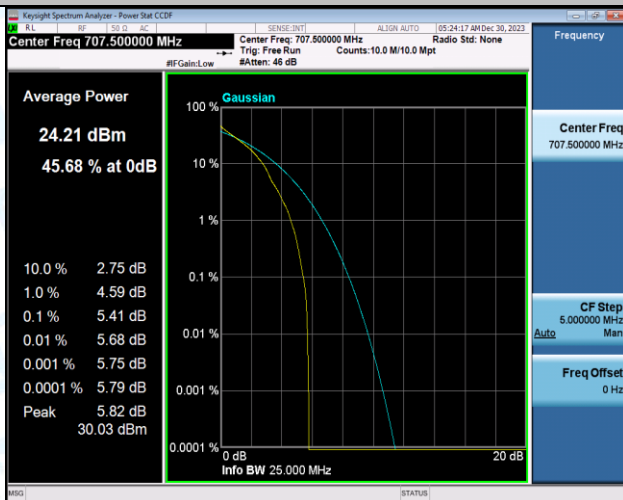
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



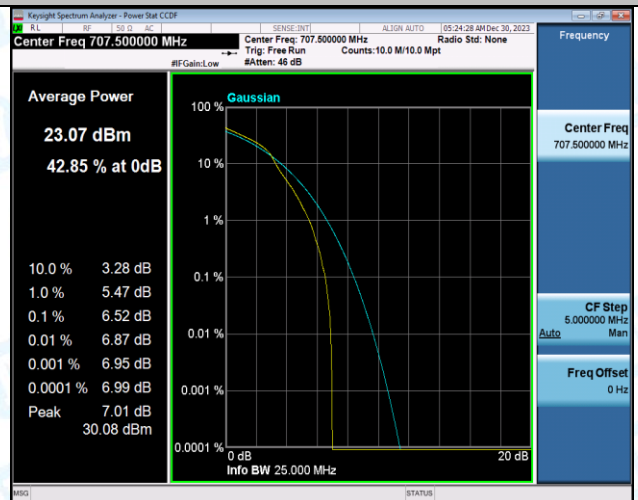
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



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

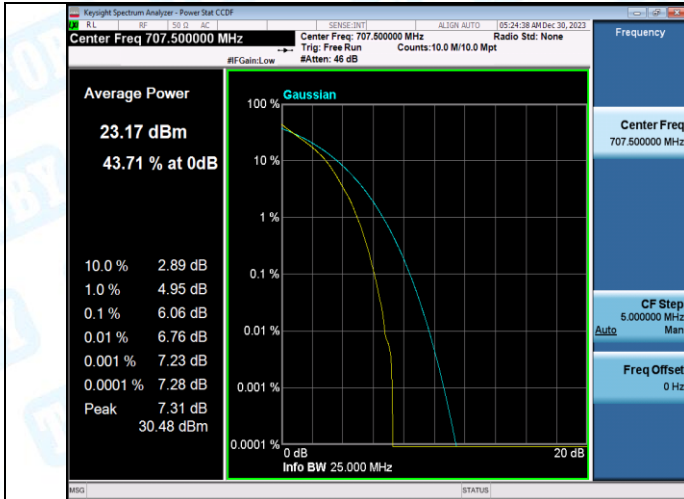


Band12-1.4MHz-16QAM-23095-1RB#0-PASS

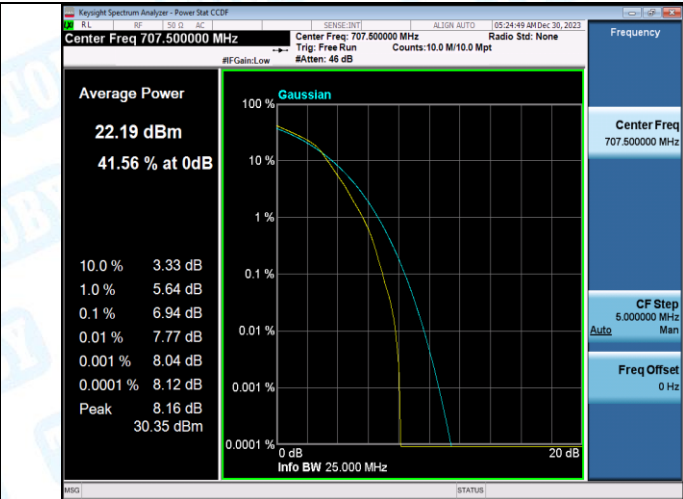


Band12-1.4MHz-QPSK-23095-6RB#0-PASS

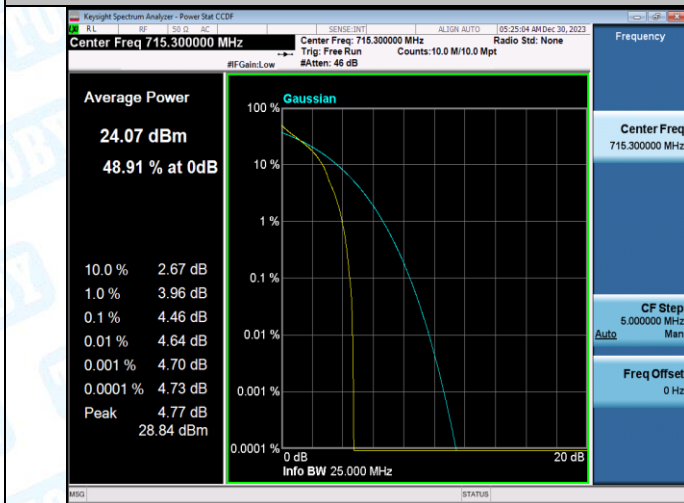
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



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



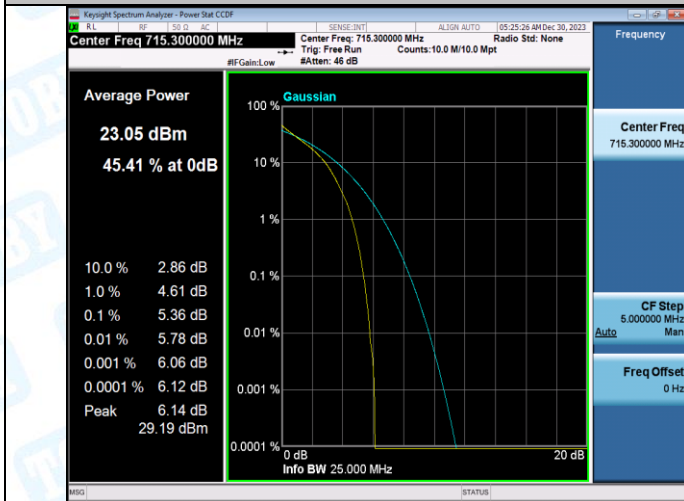
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



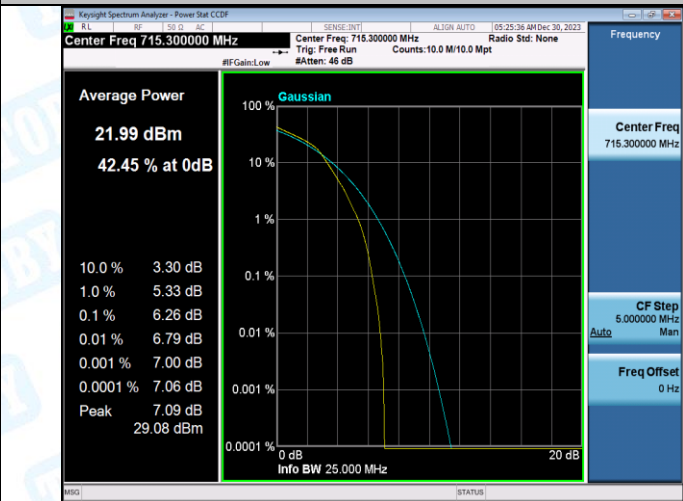
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



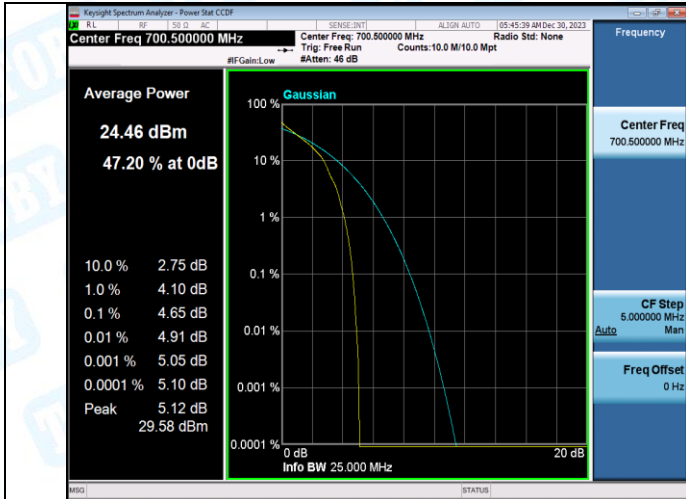
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



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



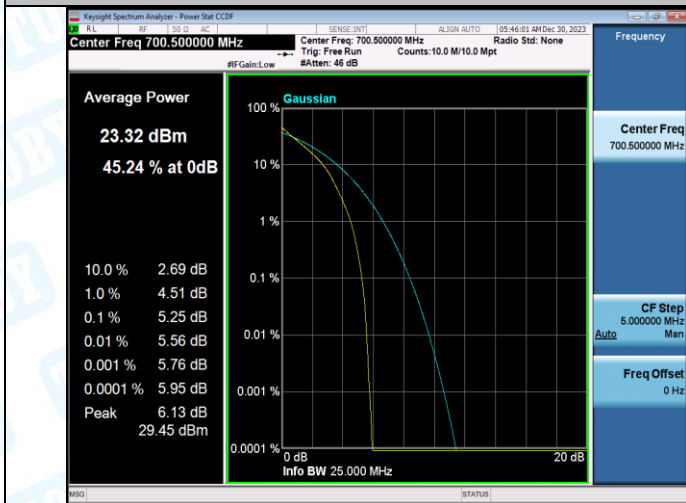
Band12-3MHz-16QAM-23025-1RB#0-PASS



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



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



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



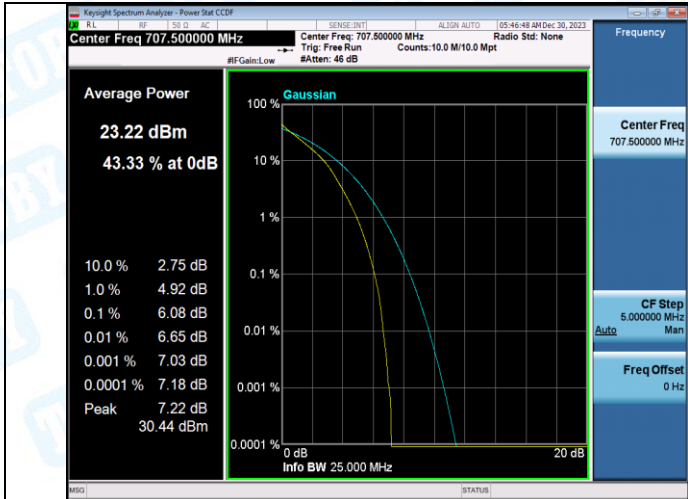
Band12-3MHz-16QAM-23095-1RB#0-PASS



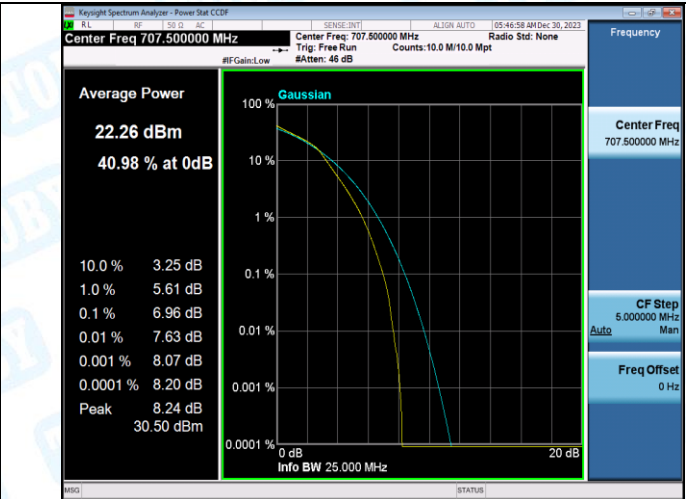
Band12-3MHz-QPSK-23095-15RB#0-PASS



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



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



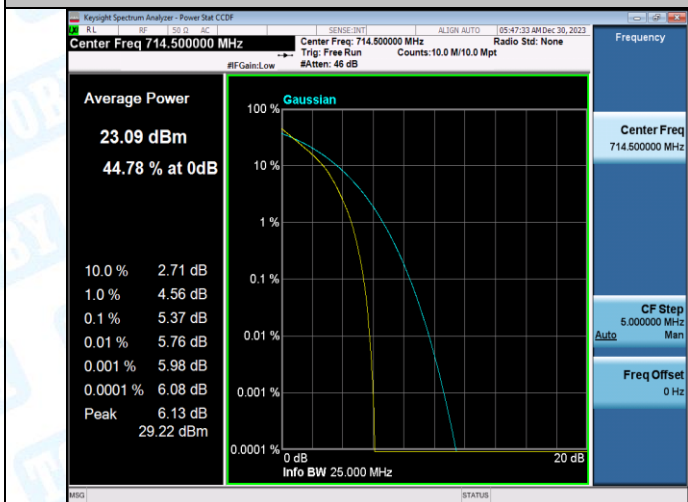
Band12-3MHz-16QAM-23165-1RB#0-PASS



Band12-3MHz-QPSK-23165-15RB#0-PASS



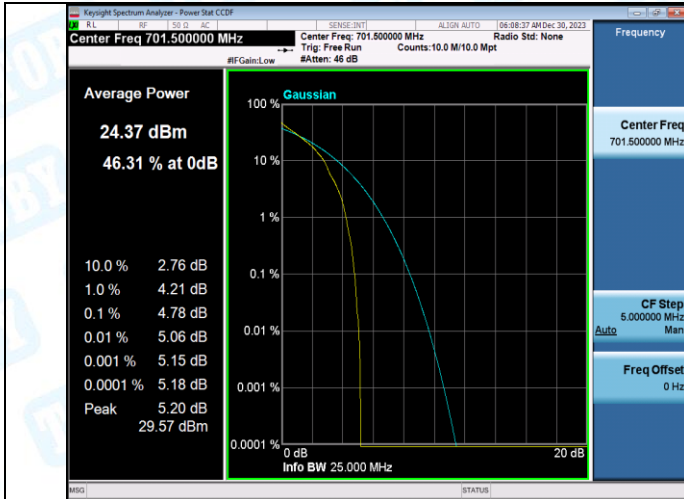
Band12-3MHz-16QAM-23165-15RB#0-PASS



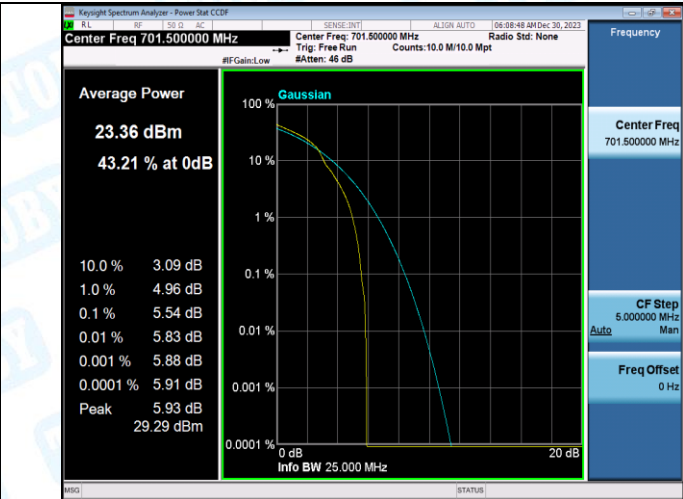
Band12-5MHz-QPSK-23035-1RB#0-PASS



Band12-5MHz-16QAM-23035-1RB#0-PASS



Band12-5MHz-QPSK-23035-25RB#0-PASS



Band12-5MHz-16QAM-23035-25RB#0-PASS



Band12-5MHz-QPSK-23095-1RB#0-PASS



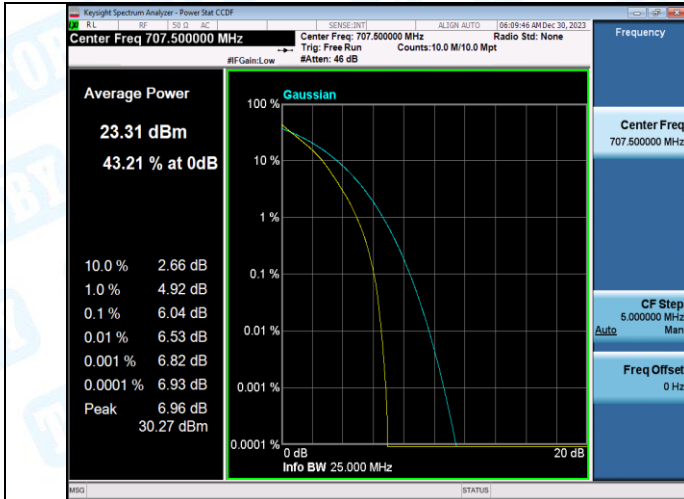
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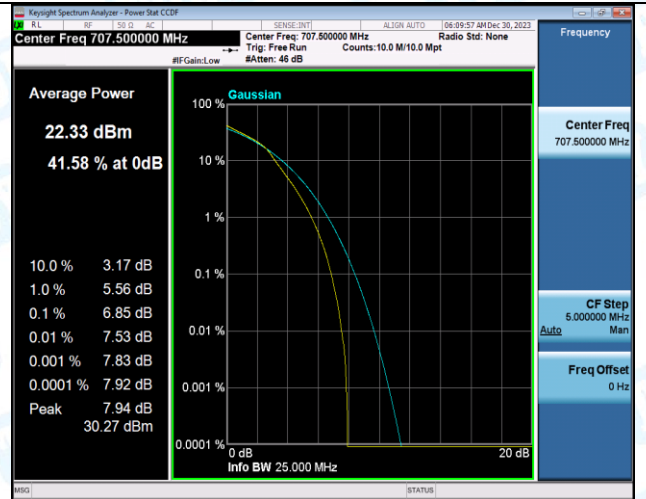
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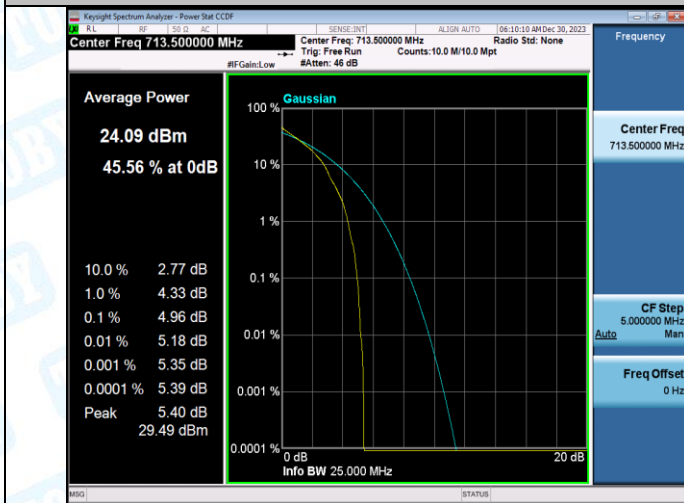
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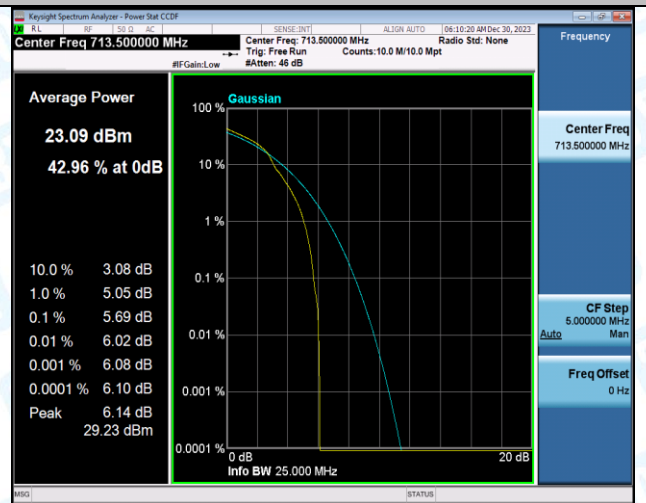
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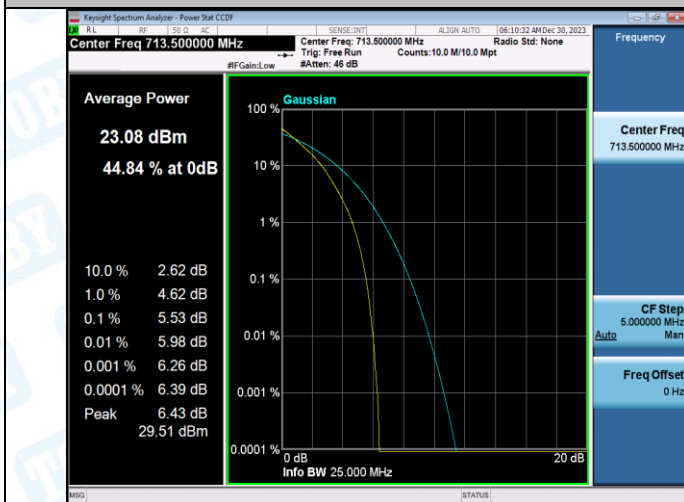
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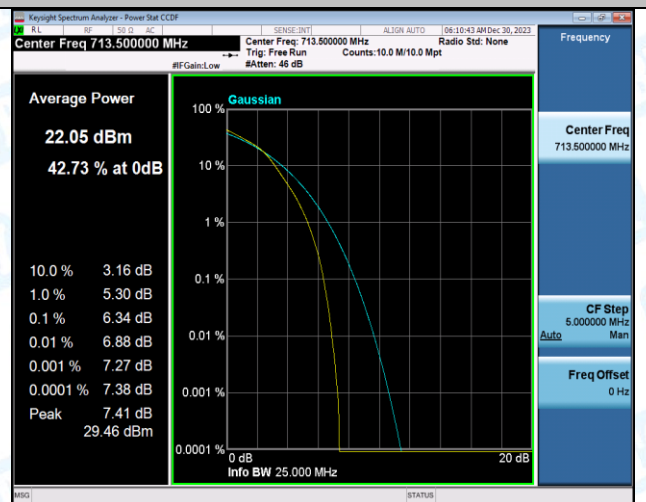
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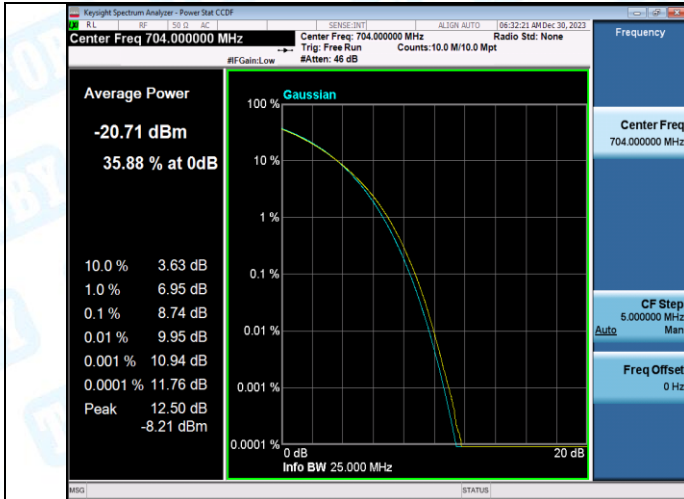
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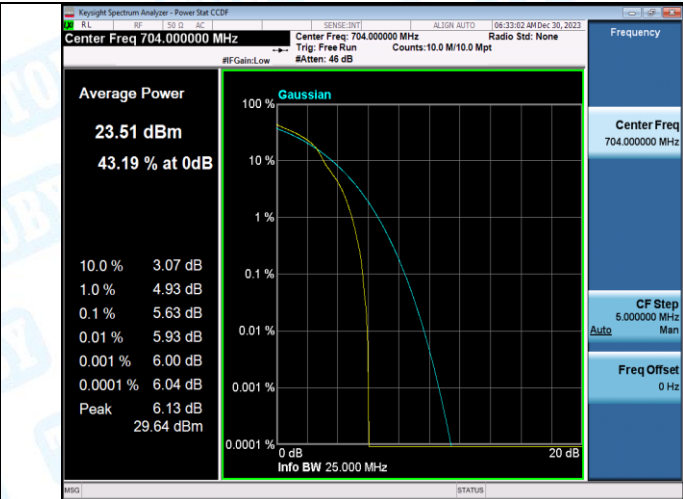
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Band12-10MHz-QPSK-23060-50RB#0-PASS



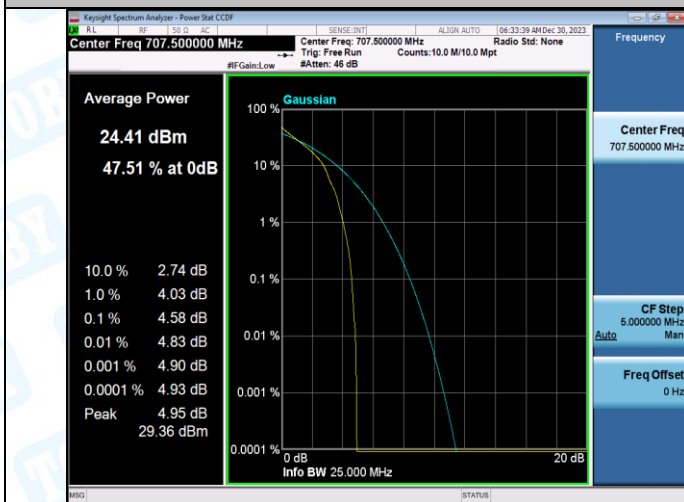
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Band12-10MHz-QPSK-23095-50RB#0-PASS



Band12-10MHz-16QAM-23095-50RB#0-PASS