

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
Band5	1.4MHz	QPSK	20407	1RB#0	23.28	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.21	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.41	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.39	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.24	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.19	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.42	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.23	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.41	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.25	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.43	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.22	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.34	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.39	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.39	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.27	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.59	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.36	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.21	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.49	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.31	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.47	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.32	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.44	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.30	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.38	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.25	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.20	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.99	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.28	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.05	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.16	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.90	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.23	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.97	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.27	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.04	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.26	PASS

Band5	1.4MHz	16QAM	20643	3RB#3	22.04	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.19	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.19	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.37	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.41	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.35	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.42	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.36	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.41	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.40	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.44	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.36	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.41	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.40	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.44	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.34	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.39	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.47	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.33	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.46	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.28	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.38	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.11	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.44	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.46	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.42	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.44	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.35	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.33	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.38	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.35	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.31	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.98	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.31	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.04	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.25	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.10	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.29	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.34	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.29	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.30	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.24	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.22	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.22	PASS

Band5	3MHz	16QAM	20635	15RB#0	21.20	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.30	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.32	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.47	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.43	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.37	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.39	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.39	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.34	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.39	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.35	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.37	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.33	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.33	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.37	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.29	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.47	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.40	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.52	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.20	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.24	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.41	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.48	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.41	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.44	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.44	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.44	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.12	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.08	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.33	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.22	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.14	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.10	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.38	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.43	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.39	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.46	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.18	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.21	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.29	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.33	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.27	PASS

Band5	10MHz	16QAM	20450	1RB#0	22.40	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.54	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.58	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.40	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.46	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.58	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.55	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.51	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.60	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.30	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.33	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.43	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.44	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.39	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.31	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.53	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.39	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.27	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.14	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.48	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.55	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.49	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.53	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.56	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.61	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.48	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.50	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.17	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.91	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.26	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.18	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.23	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.95	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.17	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.16	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.17	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.21	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.04	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.12	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.10	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.11	PASS

2. Peak-to-Average Ratio(CCDF)

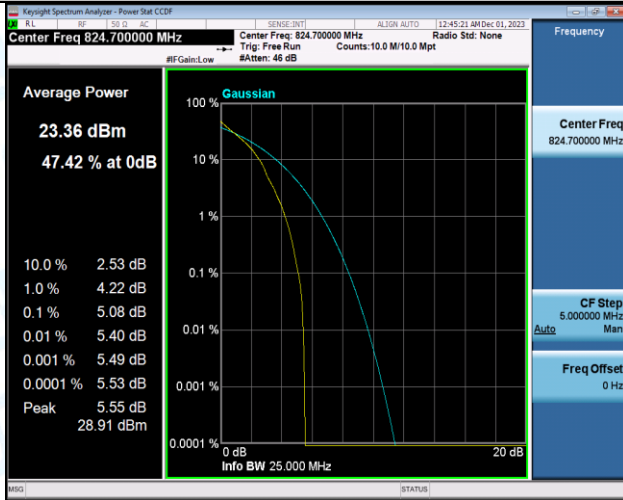
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.08	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.08	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.52	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.36	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.71	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.77	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.26	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.11	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.42	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	6.47	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.69	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.52	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.07	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.97	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.62	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.45	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.88	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.77	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.29	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.16	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.67	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	6.57	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.82	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.66	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.22	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.75	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.75	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.46	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.19	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.86	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.29	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.07	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.67	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	6.12	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.90	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.59	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.12	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.98	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.68	13	PASS

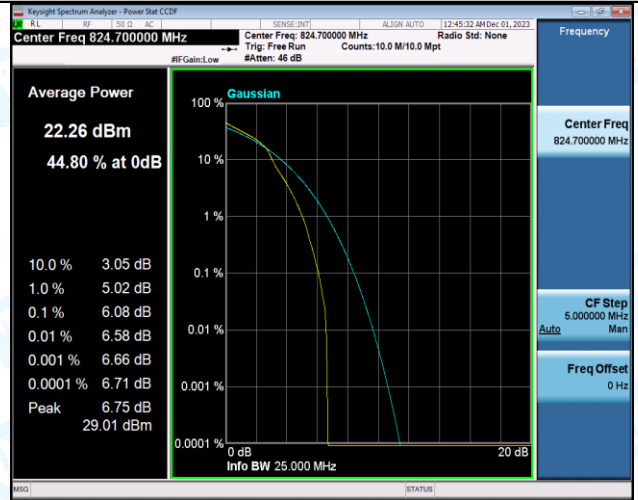
Band5	10MHz	16QAM	20450	50RB#0	6.50	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.50	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.23	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.45	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.21	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.50	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.37	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.45	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.30	13	PASS

Test Graphs

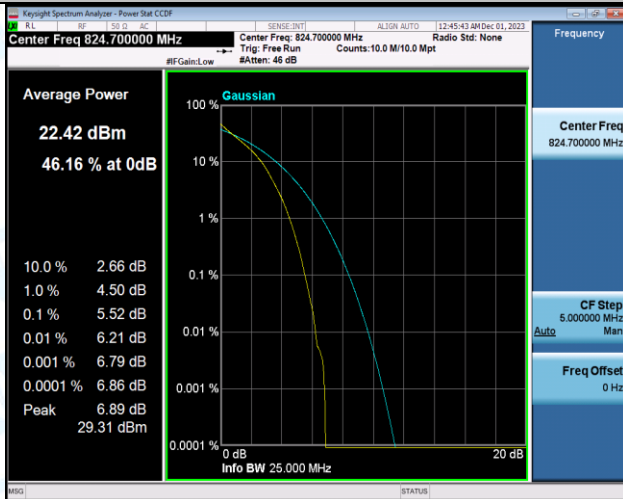
Band5-1.4MHz-QPSK-20407-1RB#0-PASS



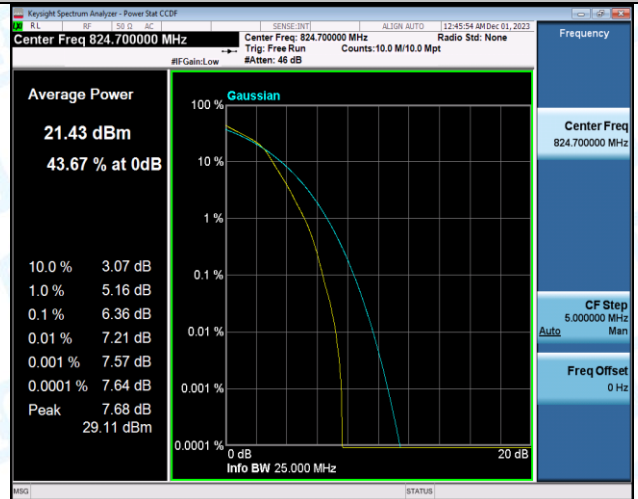
Band5-1.4MHz-16QAM-20407-1RB#0-PASS



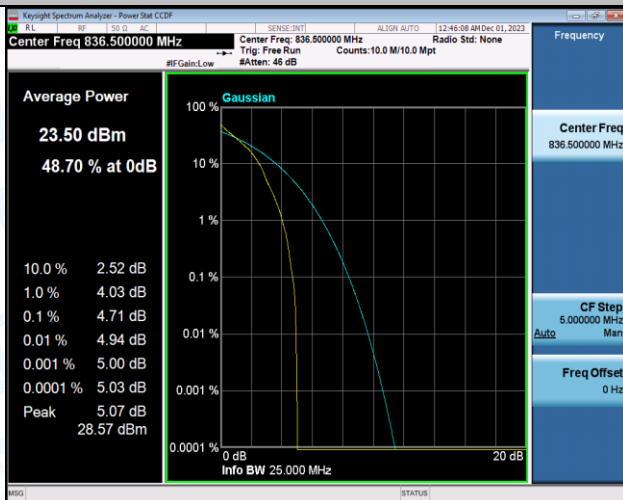
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



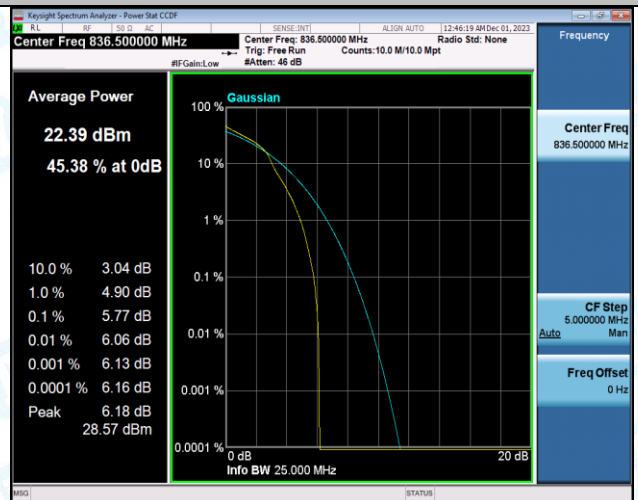
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



Band5-1.4MHz-QPSK-20525-1RB#0-PASS

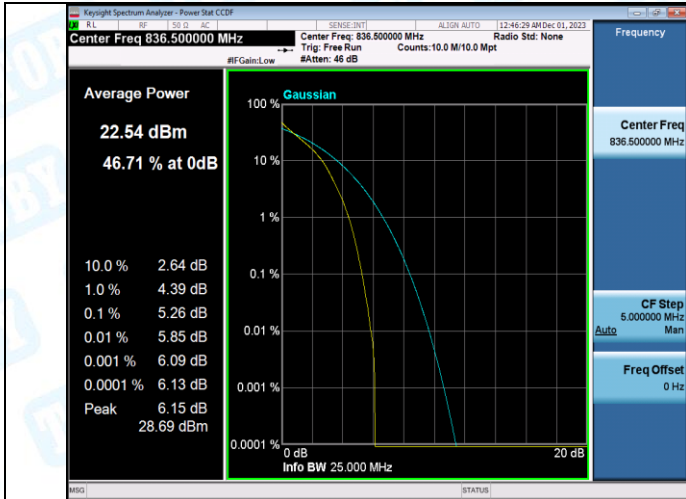


Band5-1.4MHz-16QAM-20525-1RB#0-PASS

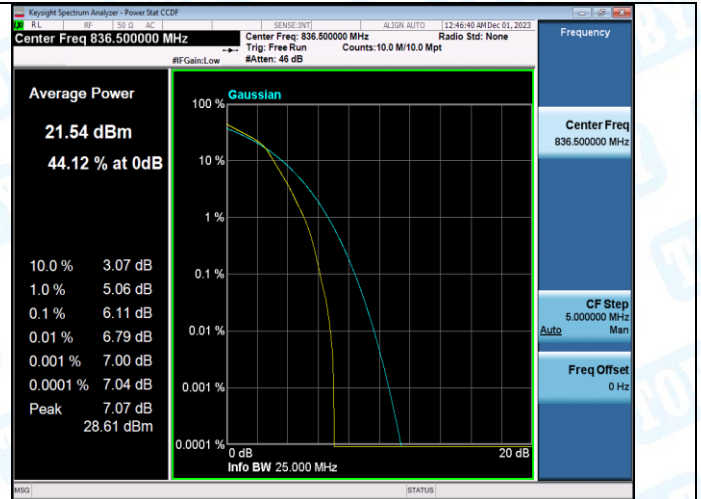


Band5-1.4MHz-QPSK-20525-6RB#0-PASS

Band5-1.4MHz-16QAM-20525-6RB#0-PASS



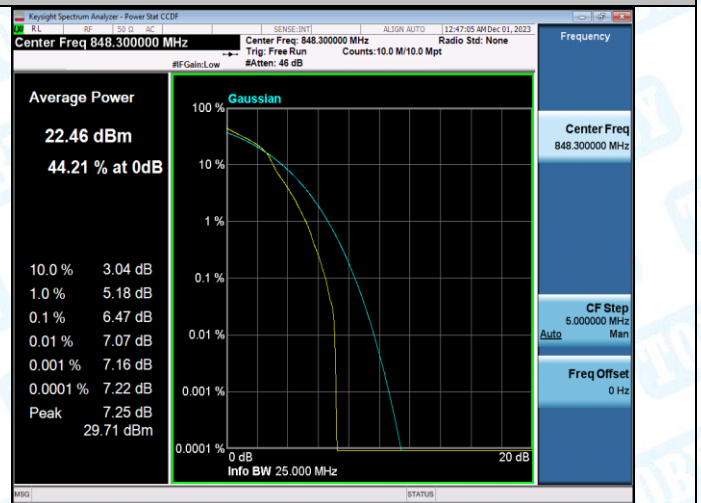
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



Band5-1.4MHz-16QAM-20643-1RB#0-PASS



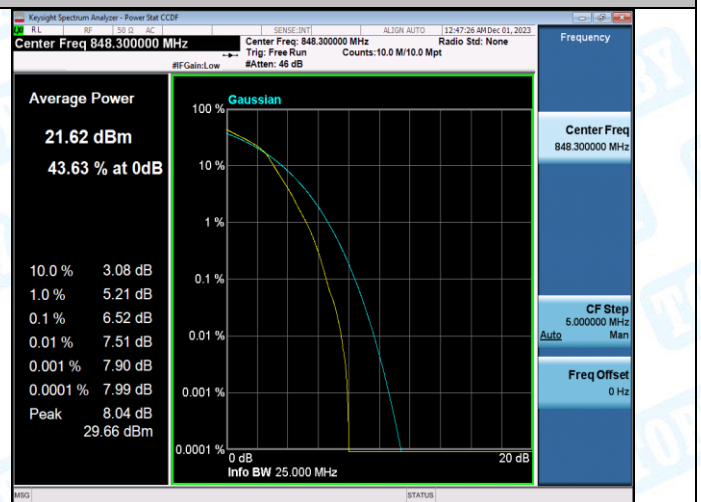
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



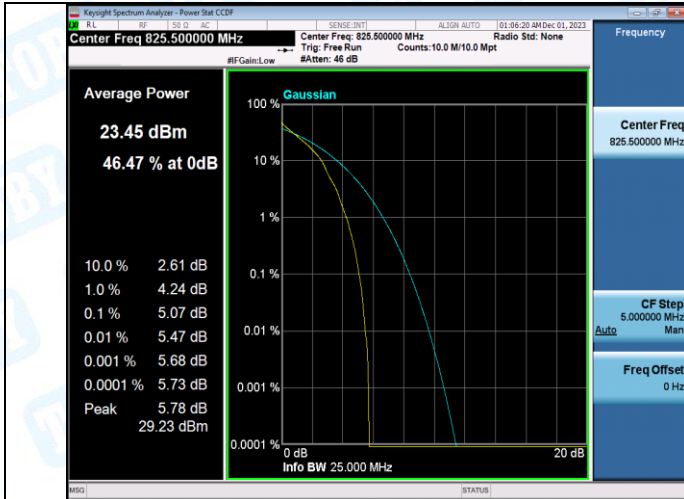
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



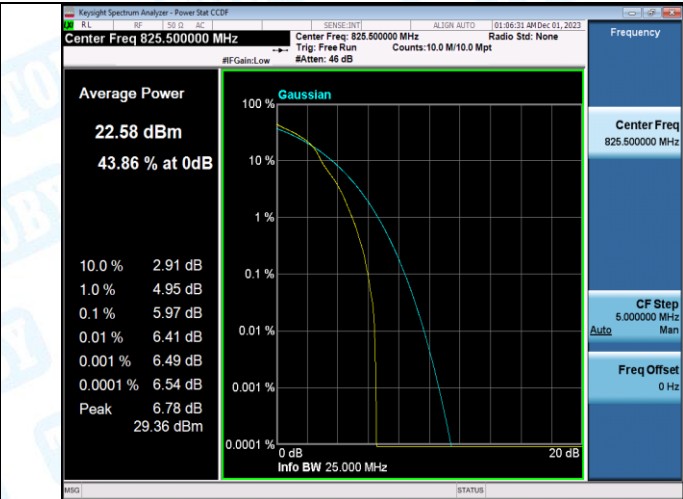
Band5-3MHz-QPSK-20415-1RB#0-PASS



Band5-3MHz-16QAM-20415-1RB#0-PASS



Band5-3MHz-QPSK-20415-15RB#0-PASS



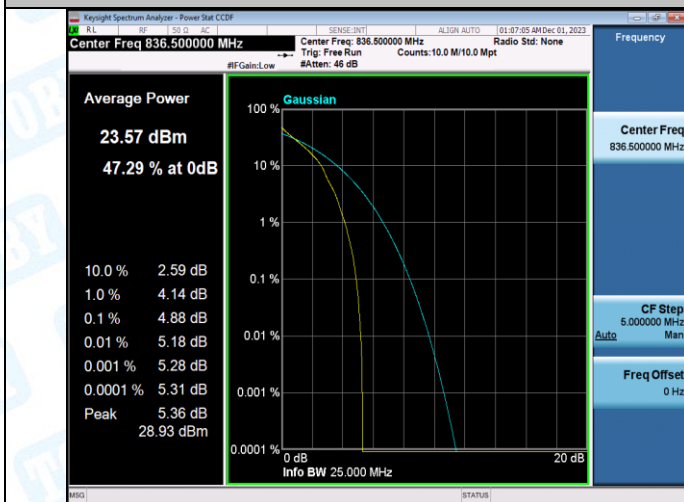
Band5-3MHz-16QAM-20415-15RB#0-PASS



Band5-3MHz-QPSK-20525-1RB#0-PASS



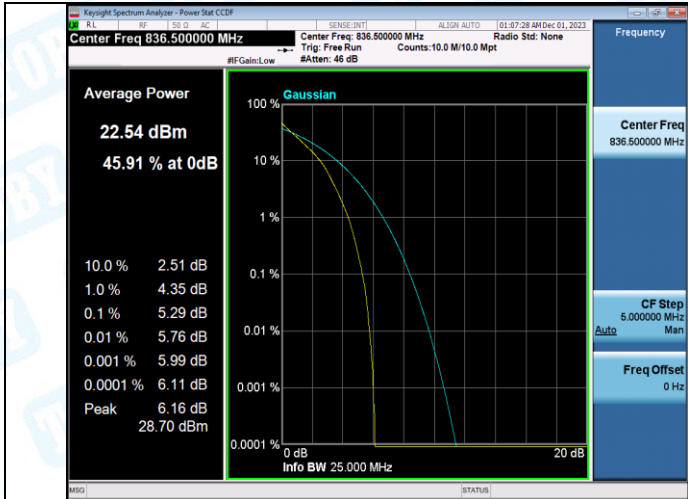
Band5-3MHz-16QAM-20525-1RB#0-PASS



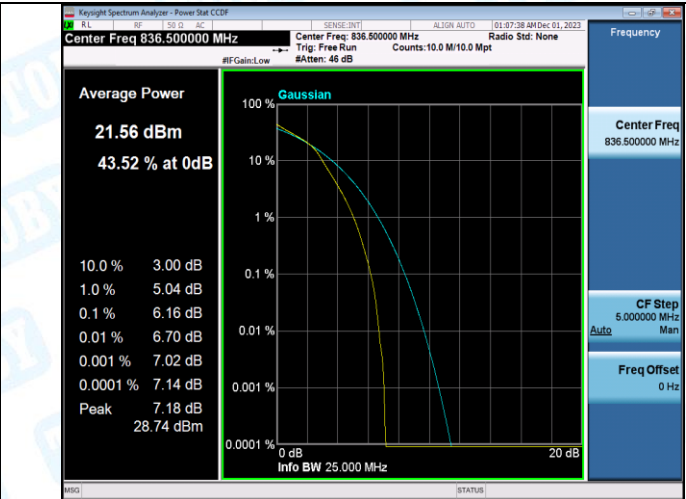
Band5-3MHz-QPSK-20525-15RB#0-PASS



Band5-3MHz-16QAM-20525-15RB#0-PASS



Band5-3MHz-QPSK-20635-1RB#0-PASS



Band5-3MHz-16QAM-20635-1RB#0-PASS



Band5-3MHz-QPSK-20635-15RB#0-PASS



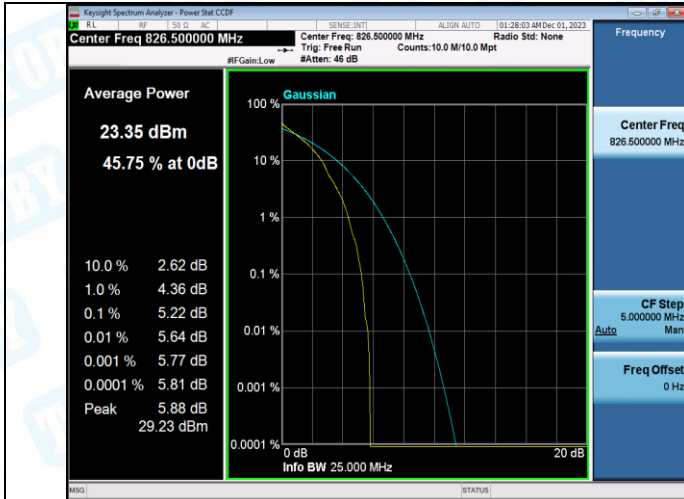
Band5-3MHz-16QAM-20635-15RB#0-PASS



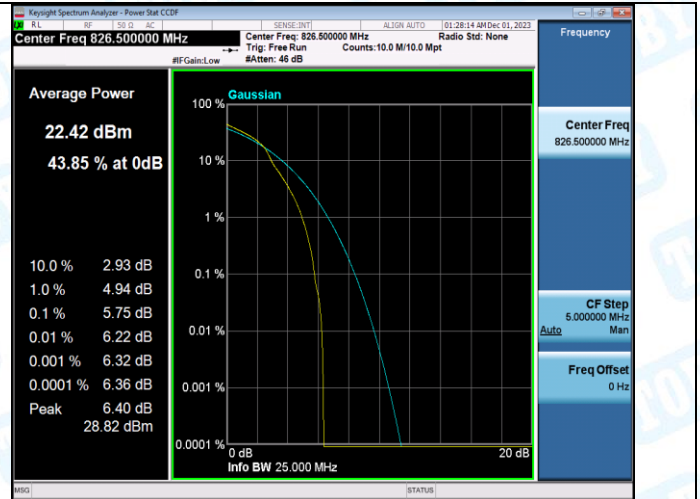
Band5-5MHz-QPSK-20425-1RB#0-PASS



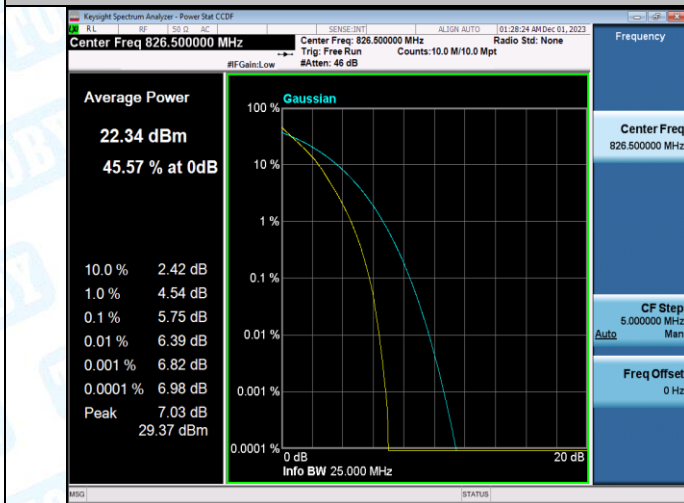
Band5-5MHz-16QAM-20425-1RB#0-PASS



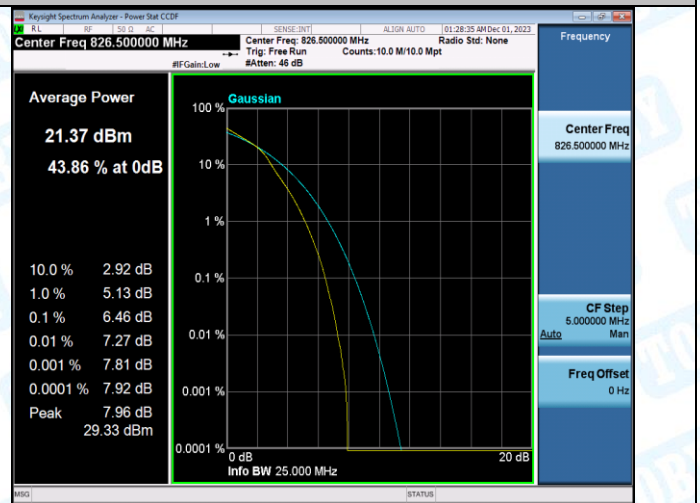
Band5-5MHz-QPSK-20425-25RB#0-PASS



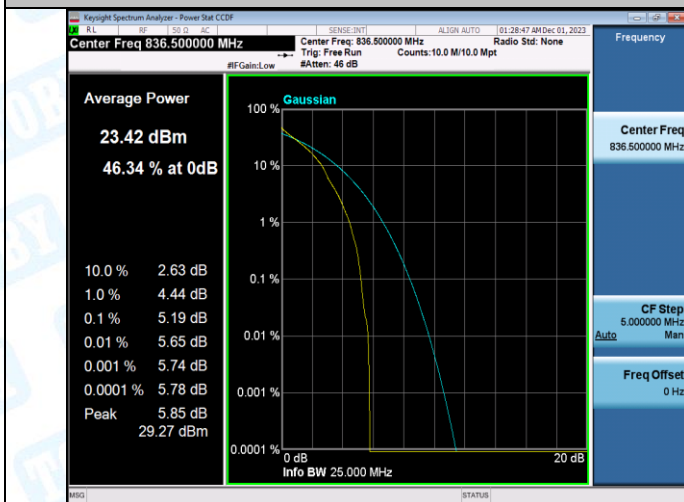
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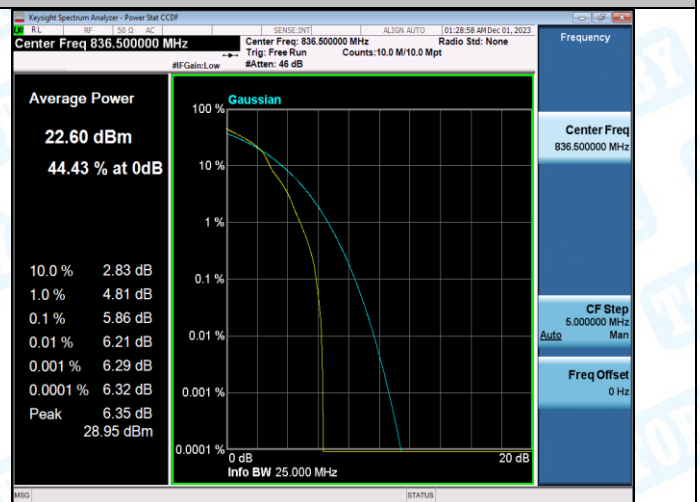
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Band5-5MHz-16QAM-20525-1RB#0-PASS



Band5-5MHz-QPSK-20525-25RB#0-PASS



Band5-5MHz-16QAM-20525-25RB#0-PASS