

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	23.42	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.36	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.56	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.55	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.46	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.35	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.55	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.31	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.51	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.32	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.49	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.32	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.47	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.40	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.55	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.33	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.67	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.47	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.51	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.24	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.55	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.40	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.57	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.37	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.55	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.31	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.49	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.29	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.30	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.02	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.49	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.20	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.31	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.09	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.44	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.16	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.39	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.16	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.46	PASS

Band5	1.4MHz	16QAM	20643	3RB#3	22.15	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.32	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.24	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.47	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.58	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.59	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.62	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.50	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.57	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.49	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.49	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.51	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.51	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.46	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.42	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.43	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.59	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.42	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.58	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.39	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.49	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.23	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.50	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.46	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.51	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.43	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.35	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.30	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.42	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.14	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.44	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.12	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.37	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.10	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.36	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.37	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.35	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.33	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.34	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.24	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.37	PASS

Band5	3MHz	16QAM	20635	15RB#0	21.21	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.49	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.41	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.58	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.57	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.47	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.42	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.55	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.47	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.48	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.53	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.34	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.28	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.46	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.51	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.51	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.54	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.57	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.32	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.28	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.43	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.36	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.38	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.39	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.48	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.49	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.47	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.41	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.35	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.24	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.40	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.39	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.34	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.23	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.55	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.49	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.48	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.54	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.32	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.25	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.41	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.49	PASS

Band5	10MHz	16QAM	20450	1RB#0	22.58	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.59	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.60	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.52	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.54	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.81	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.73	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.79	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.79	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.47	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.42	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.62	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.56	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.55	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.48	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.65	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.43	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.28	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.54	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.47	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.50	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.48	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.66	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.65	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.62	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.57	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.35	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.14	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.59	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.27	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.40	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.15	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.42	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.43	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.44	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.17	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.25	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.31	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.27	PASS

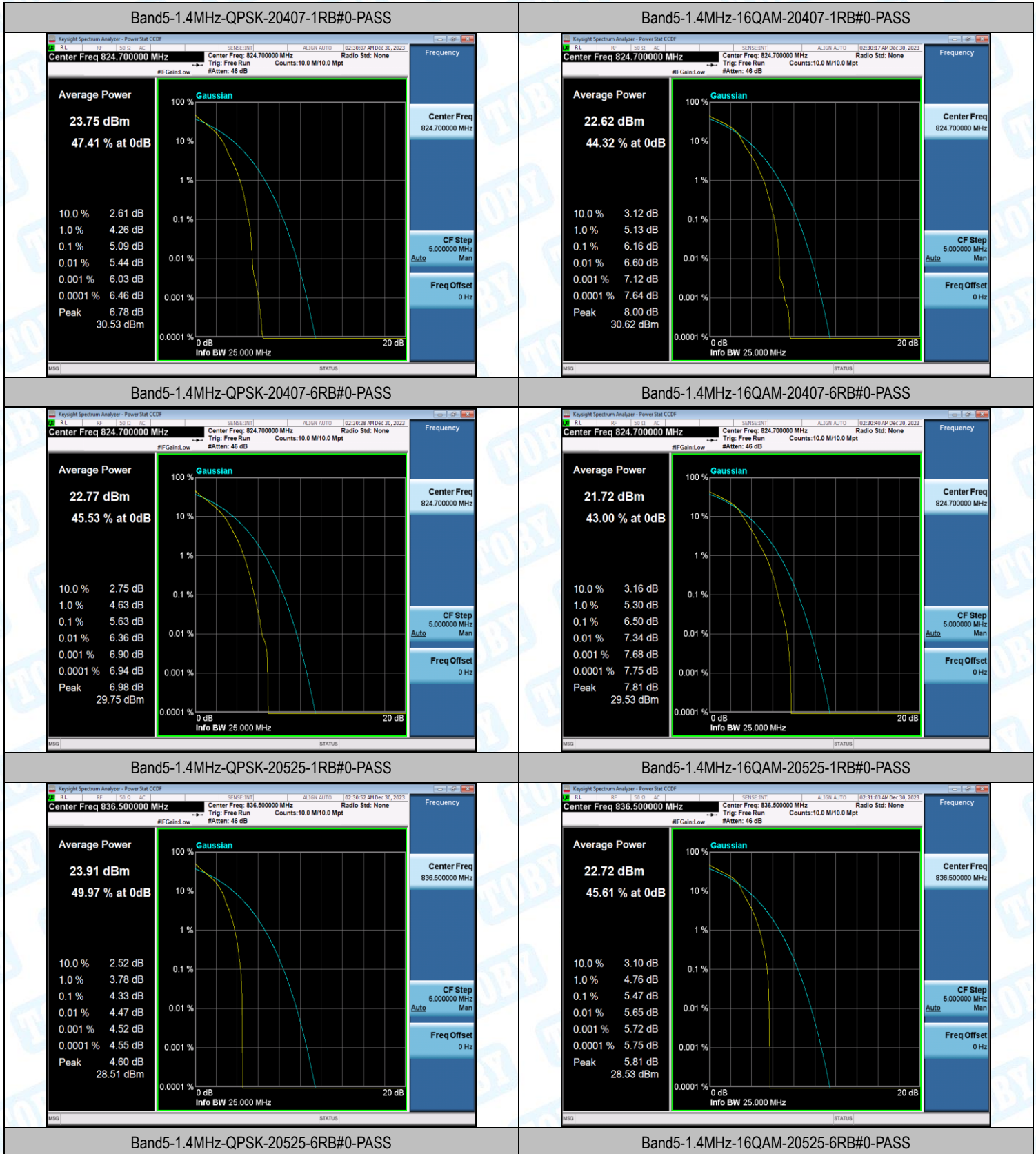
2. Peak-to-Average Ratio(CCDF)

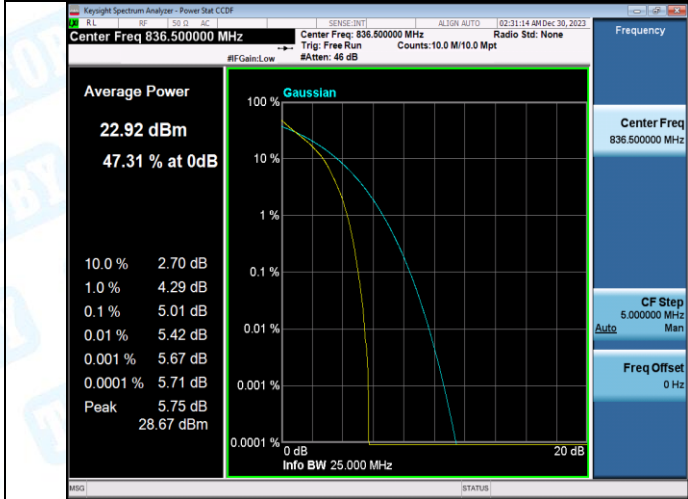
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.09	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.16	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.63	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.50	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.33	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.47	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.01	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.93	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.20	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	6.21	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.54	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.40	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.07	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.94	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.81	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.68	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.41	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.34	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.04	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.96	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.75	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	6.67	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.82	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.71	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.20	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.83	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.94	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.72	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.78	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.55	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.04	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.91	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.84	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	6.34	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.97	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.76	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.12	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.01	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.92	13	PASS

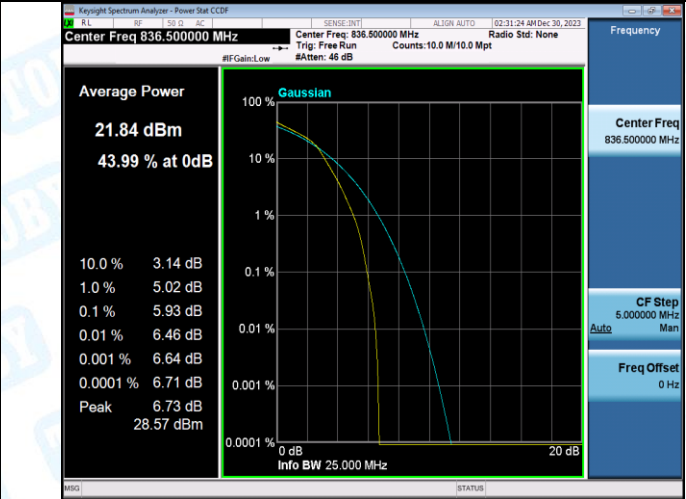
Band5	10MHz	16QAM	20450	50RB#0	6.80	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.33	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.56	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.48	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.13	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.28	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.19	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.54	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.47	13	PASS

Test Graphs

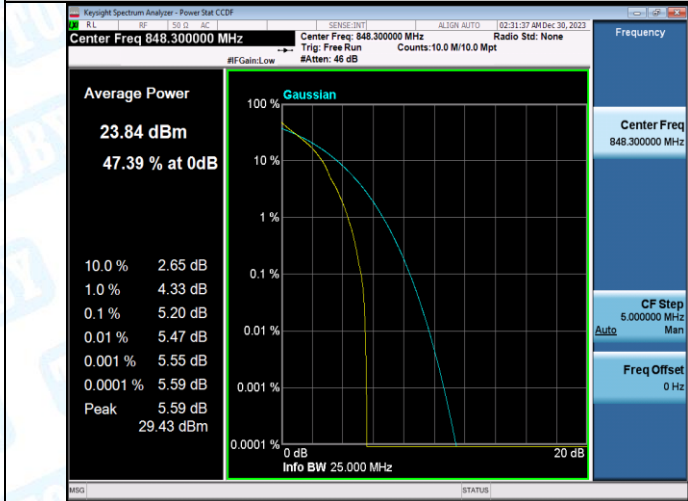




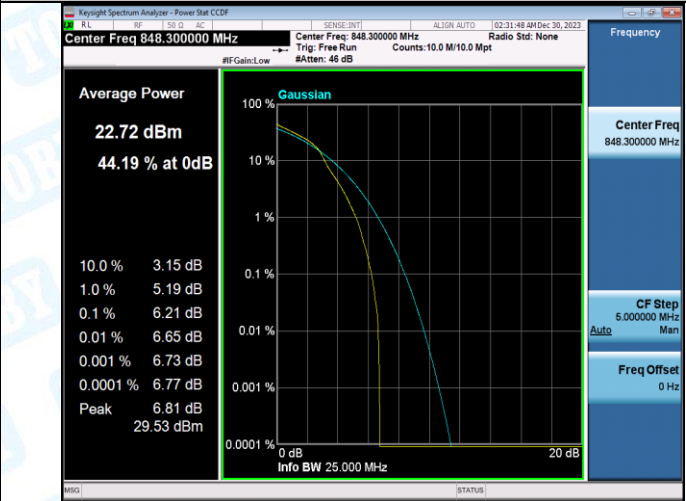
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



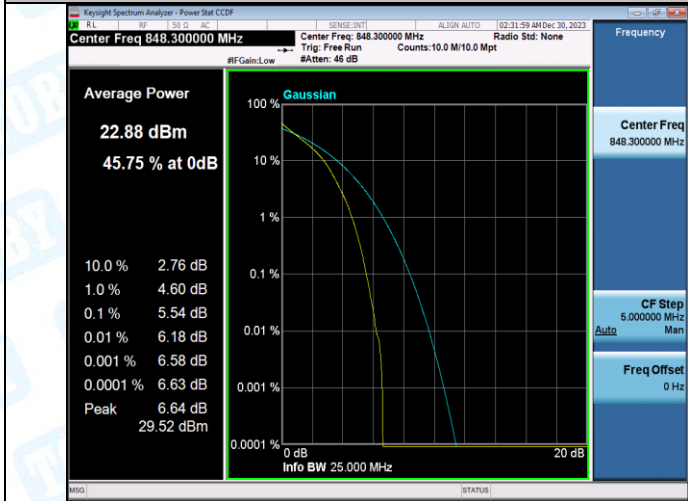
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



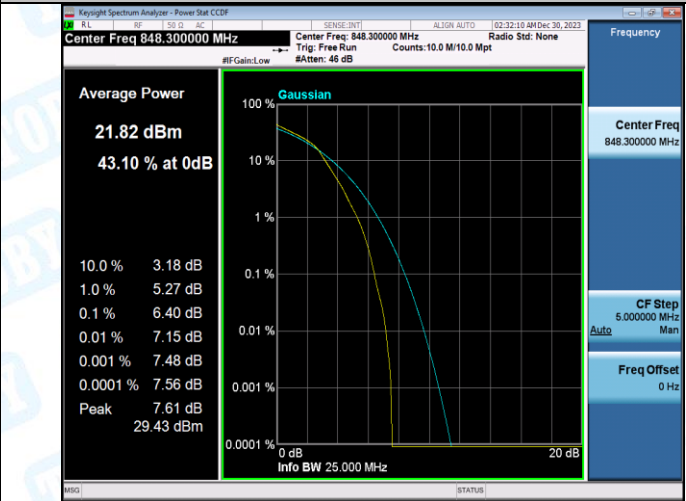
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



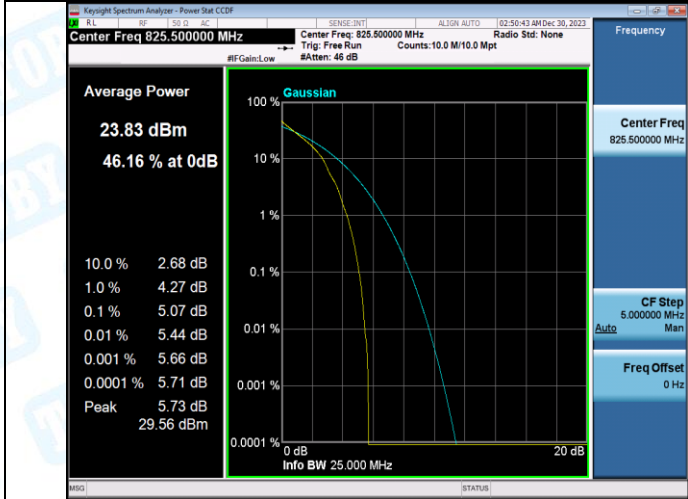
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



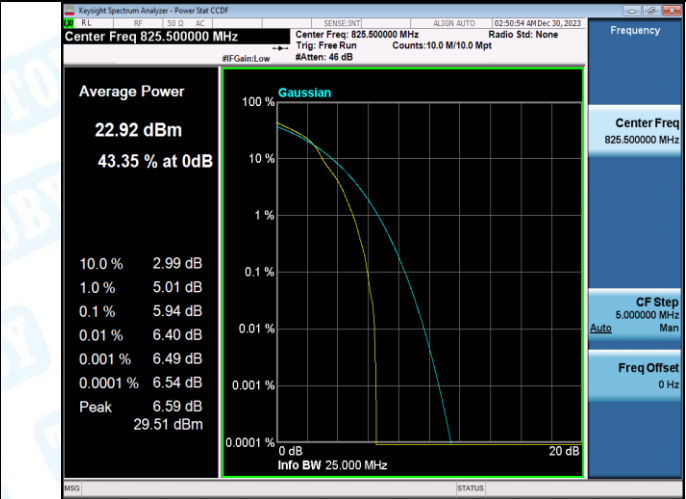
Band5-3MHz-QPSK-20415-1RB#0-PASS



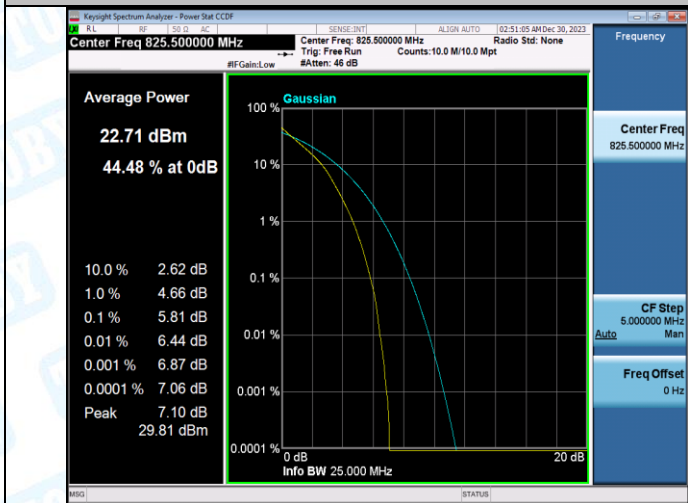
Band5-3MHz-16QAM-20415-1RB#0-PASS



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



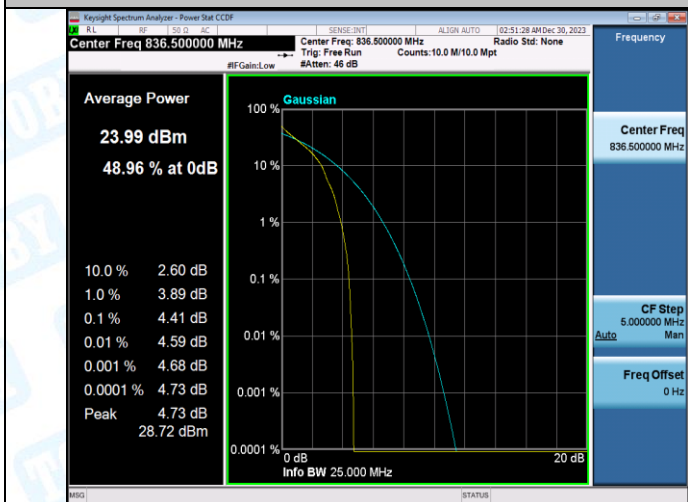
Band5-3MHz-16QAM-20415-15RB#0-PASS



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



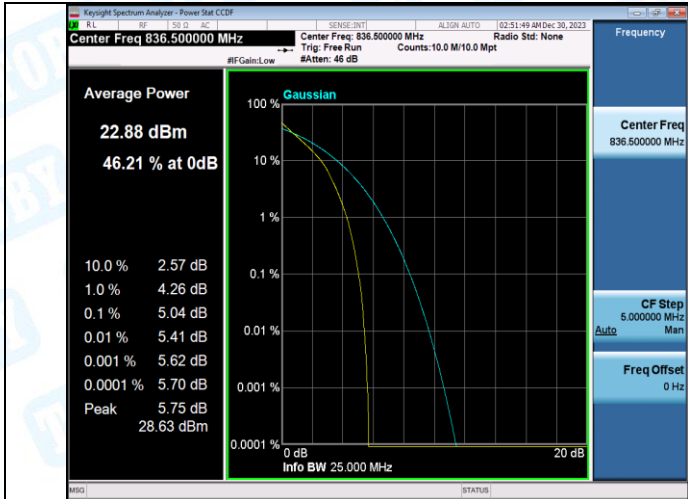
Band5-3MHz-16QAM-20525-1RB#0-PASS



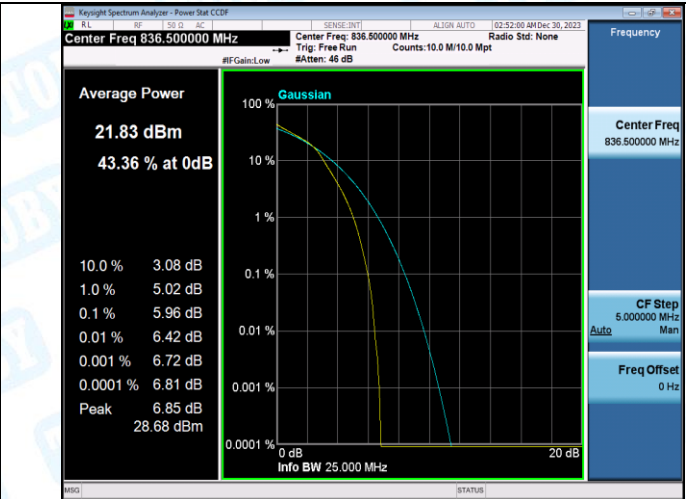
Band5-3MHz-QPSK-20525-15RB#0-PASS



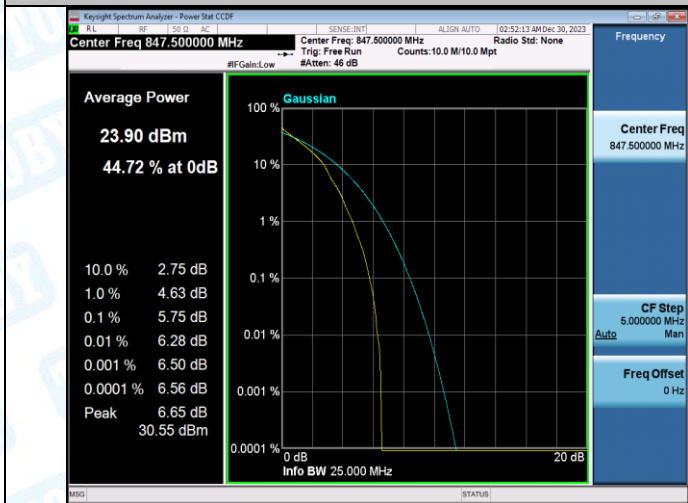
Band5-3MHz-16QAM-20525-15RB#0-PASS



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



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



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



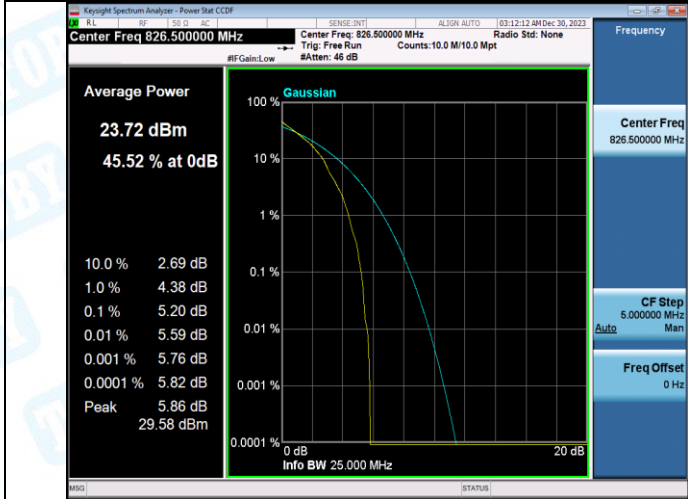
Band5-3MHz-16QAM-20635-15RB#0-PASS



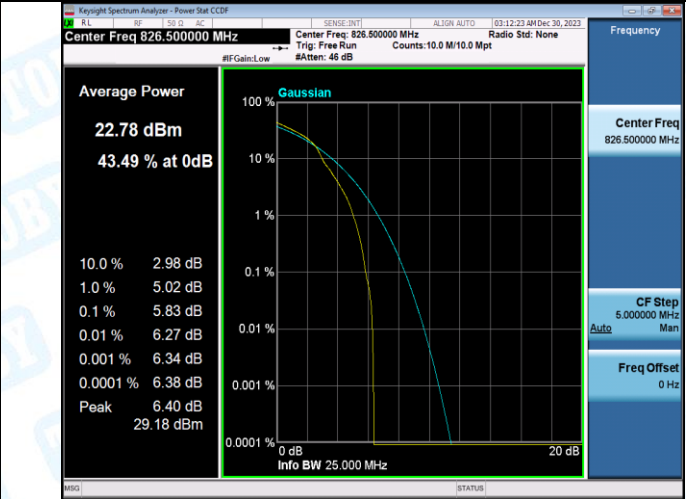
Band5-5MHz-QPSK-20425-1RB#0-PASS



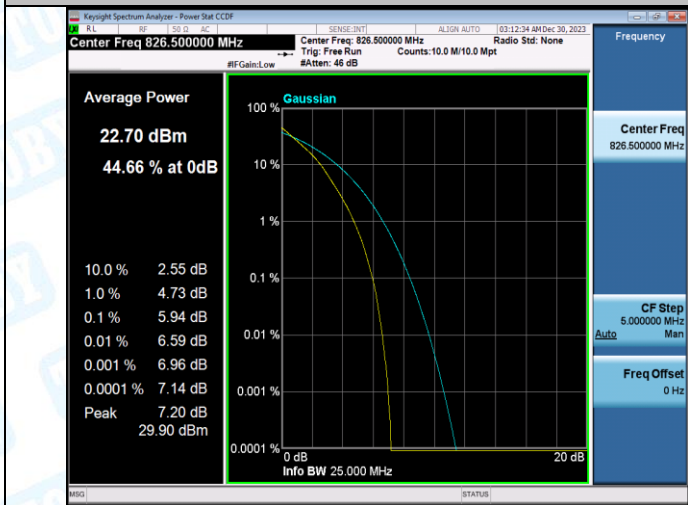
Band5-5MHz-16QAM-20425-1RB#0-PASS



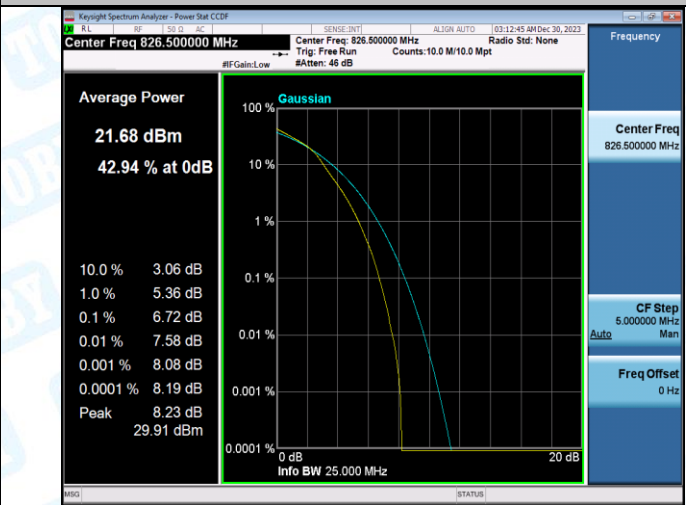
Band5-5MHz-QPSK-20425-25RB#0-PASS



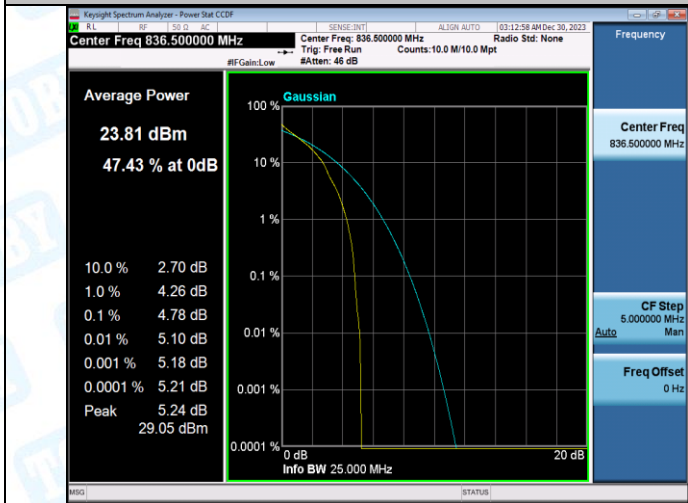
Band5-5MHz-16QAM-20425-25RB#0-PASS



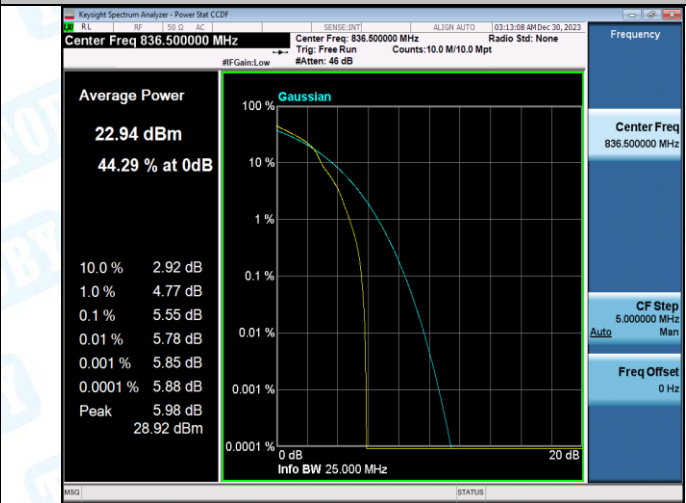
Band5-5MHz-QPSK-20525-1RB#0-PASS



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



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



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