

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
Band7	5MHz	QPSK	20775	1RB#0	23.25	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.17	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.39	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.23	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.24	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.11	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.30	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.34	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.32	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.36	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.33	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.38	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.38	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.20	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.06	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.36	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.20	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.20	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.10	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.24	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.26	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.23	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.23	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.25	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.25	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.25	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.27	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.21	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.26	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.33	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.22	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.25	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.34	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.34	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.26	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.32	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.28	PASS

Band7	5MHz	16QAM	21425	12RB#13	21.28	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.26	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.25	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.28	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.37	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.54	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.47	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.35	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.36	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.30	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.36	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.35	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.32	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.47	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.49	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.35	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.40	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.31	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.11	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.35	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.24	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.34	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.14	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.36	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.41	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.37	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.47	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.38	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.42	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.36	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.46	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.34	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.05	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.52	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.15	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.29	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.06	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.45	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.48	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.42	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.48	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.39	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.37	PASS

Band7	10MHz	16QAM	21400	50RB#0	21.35	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.31	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.32	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.38	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.40	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.28	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.27	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.45	PASS
Band7	15MHz	16QAM	20825	38RB#0	22.46	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.48	PASS
Band7	15MHz	16QAM	20825	38RB#18	22.47	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.45	PASS
Band7	15MHz	16QAM	20825	38RB#37	22.46	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.45	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.39	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.19	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.31	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.26	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.37	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.16	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.33	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.37	PASS
Band7	15MHz	16QAM	21100	38RB#0	22.43	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.40	PASS
Band7	15MHz	16QAM	21100	38RB#18	22.42	PASS
Band7	15MHz	QPSK	21100	38RB#37	22.42	PASS
Band7	15MHz	16QAM	21100	38RB#37	22.46	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.42	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.44	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.32	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.05	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.38	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.12	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.22	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.98	PASS
Band7	15MHz	QPSK	21375	38RB#0	22.42	PASS
Band7	15MHz	16QAM	21375	38RB#0	22.40	PASS
Band7	15MHz	QPSK	21375	38RB#18	22.44	PASS
Band7	15MHz	16QAM	21375	38RB#18	22.47	PASS
Band7	15MHz	QPSK	21375	38RB#37	22.47	PASS
Band7	15MHz	16QAM	21375	38RB#37	22.41	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.42	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.40	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.13	PASS

Band7	20MHz	16QAM	20850	1RB#0	22.01	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.56	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.40	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.15	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.99	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.16	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.23	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.21	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.23	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.39	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.48	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.26	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.36	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.09	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.16	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.43	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.56	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.12	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.22	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.36	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.45	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.41	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.42	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.43	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.52	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.35	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.45	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.09	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.93	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.49	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.20	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.05	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.86	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.36	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.41	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.31	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.42	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.21	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.26	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.33	PASS

2. Peak-to-Average Ratio(CCDF)

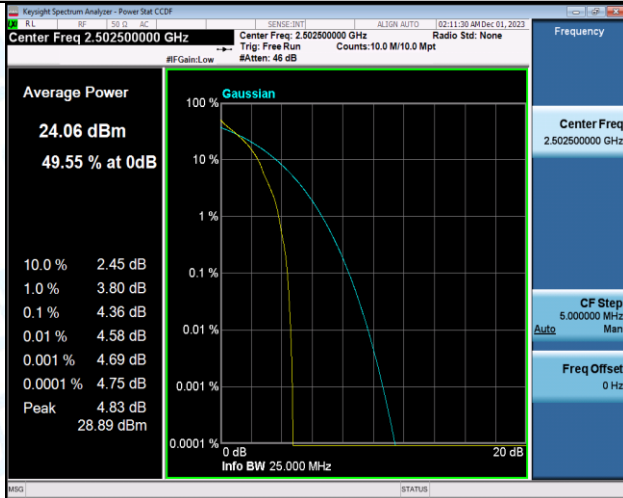
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.36	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.16	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.09	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.88	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.61	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.37	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.23	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.03	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.12	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.95	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.93	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.76	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.30	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.19	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.07	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.87	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.49	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.42	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.19	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.03	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.02	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.19	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.90	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.76	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.32	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.23	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.35	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.01	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.56	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.50	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.58	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.20	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.90	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.09	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.22	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.91	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.35	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.16	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.23	13	PASS

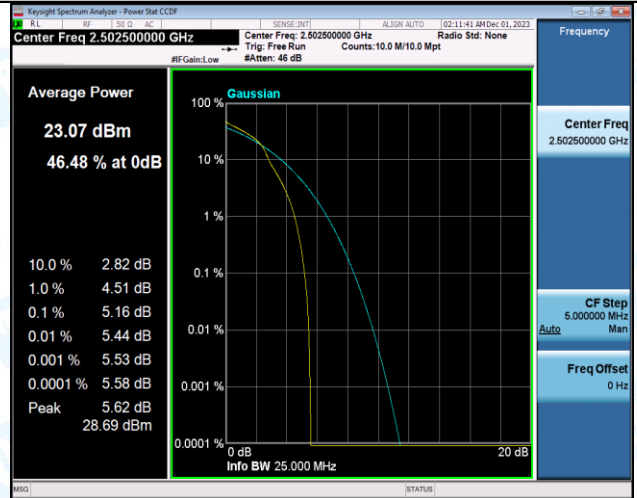
Band7	20MHz	16QAM	20850	100RB#0	6.04	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.72	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.65	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.48	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.20	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.06	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.20	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.14	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.92	13	PASS

Test Graphs

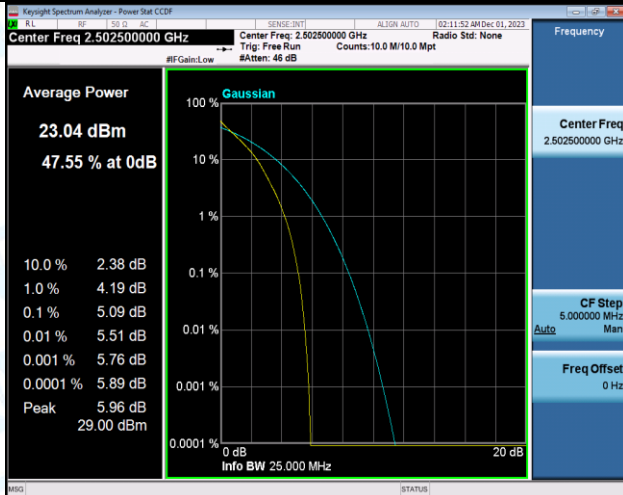
Band7-5MHz-QPSK-20775-1RB#0-PASS



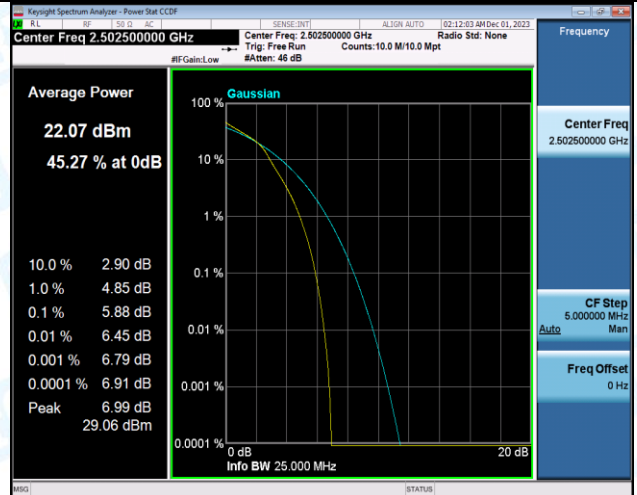
Band7-5MHz-16QAM-20775-1RB#0-PASS



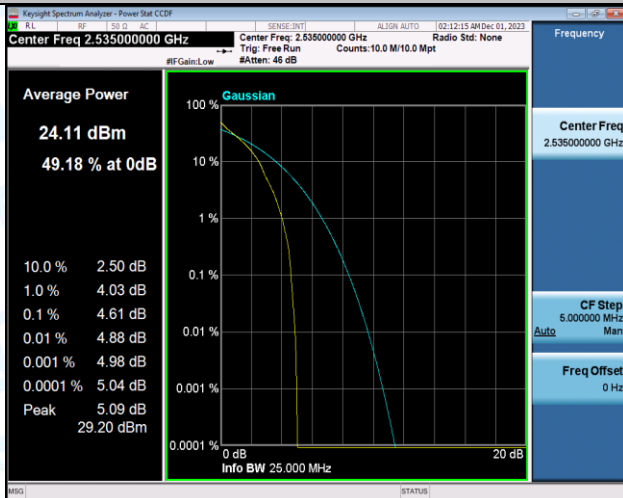
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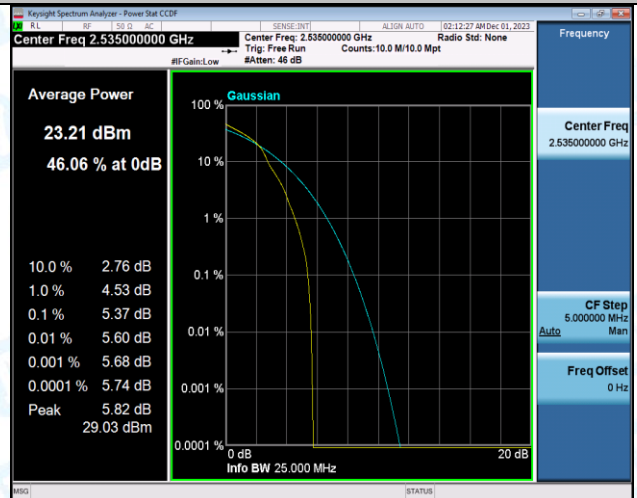
Band7-5MHz-16QAM-20775-25RB#0-PASS



Band7-5MHz-QPSK-21100-1RB#0-PASS

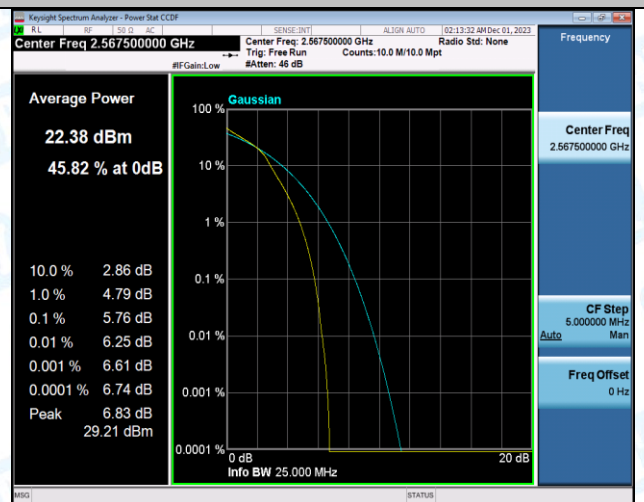
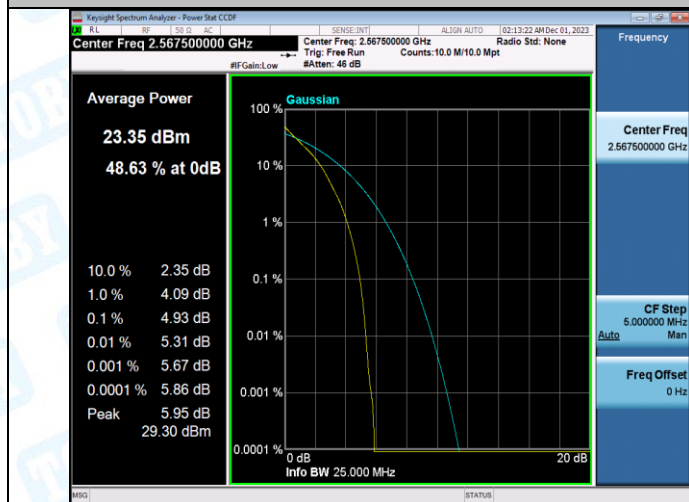
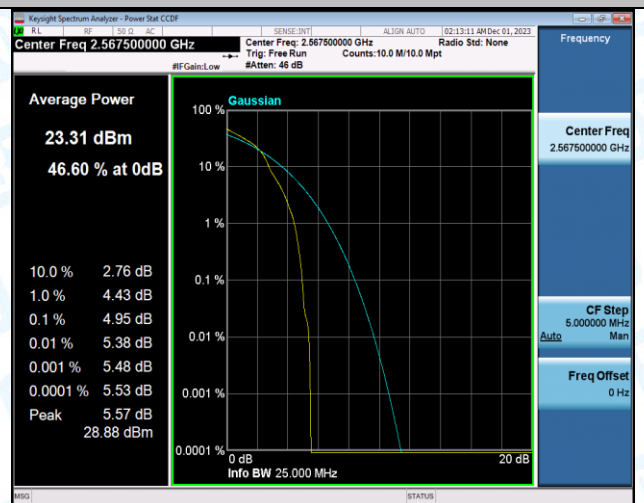
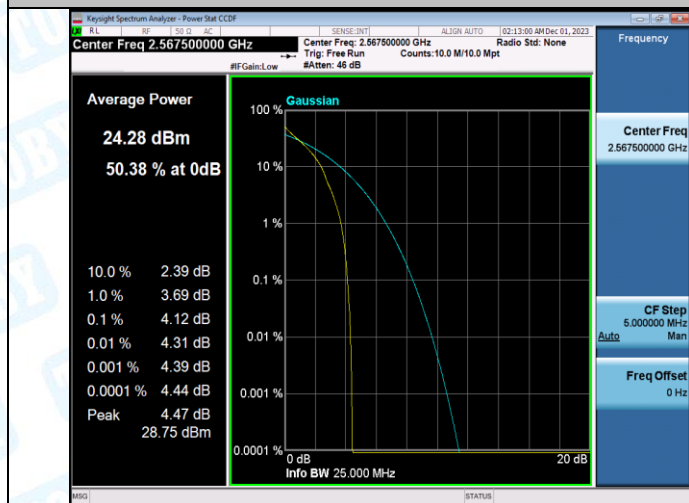
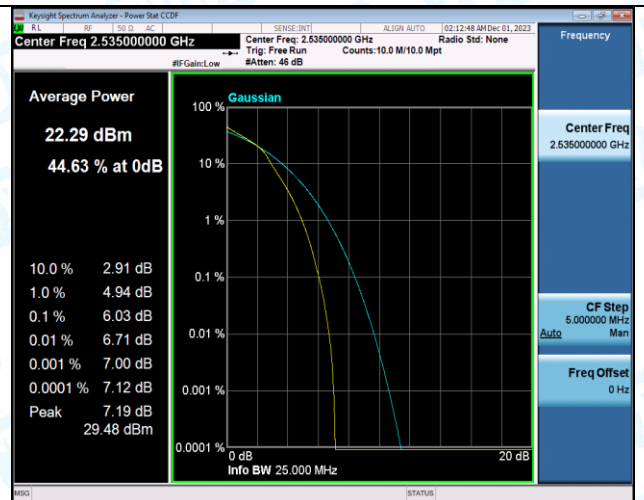
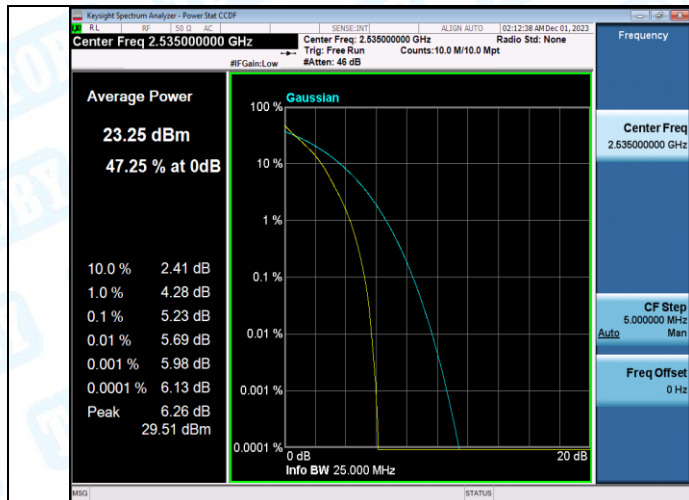


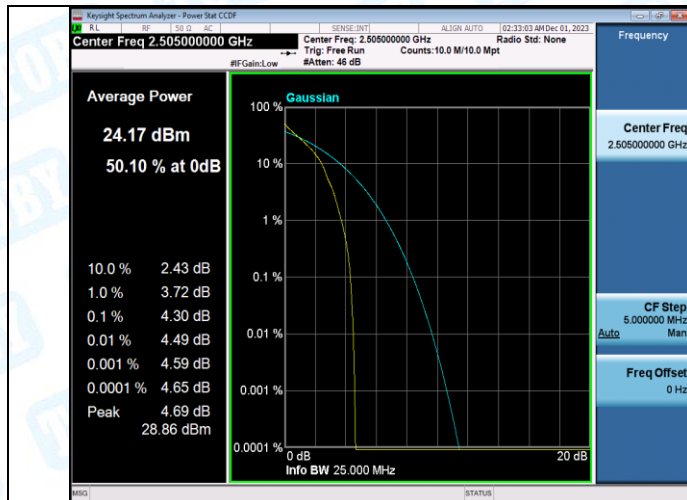
Band7-5MHz-16QAM-21100-1RB#0-PASS



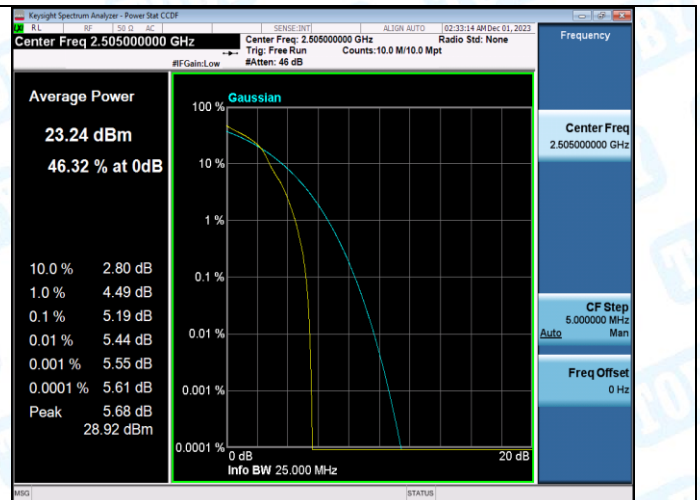
Band7-5MHz-QPSK-21100-25RB#0-PASS

Band7-5MHz-16QAM-21100-25RB#0-PASS

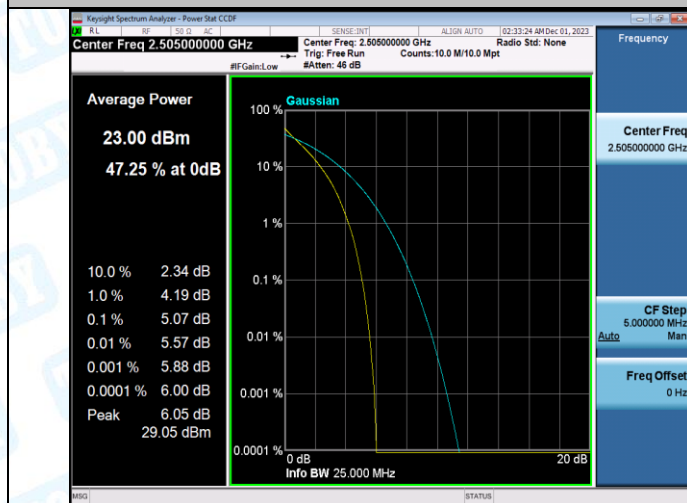




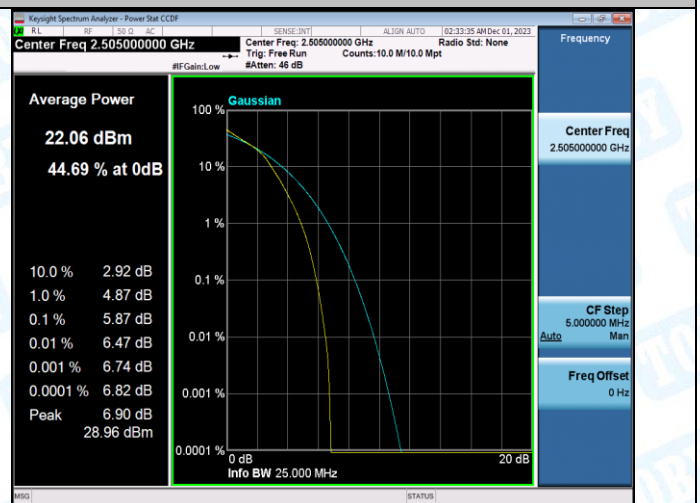
Band7-10MHz-QPSK-20800-50RB#0-PASS



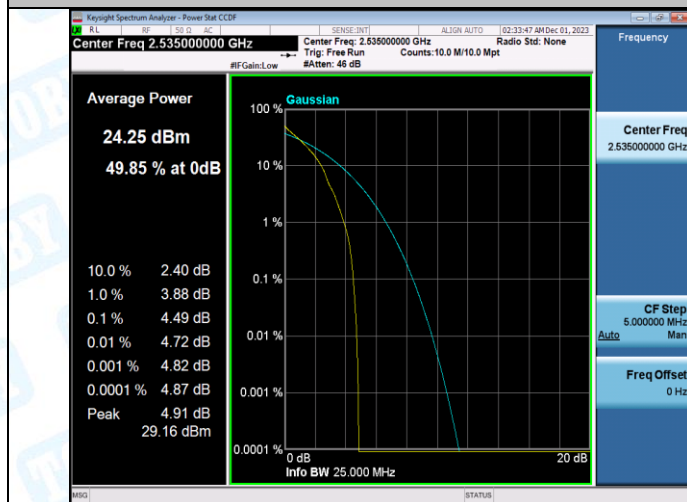
Band7-10MHz-16QAM-20800-50RB#0-PASS



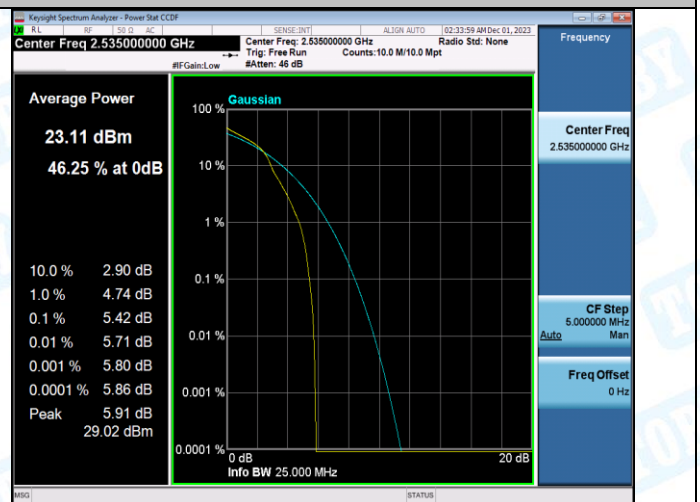
Band7-10MHz-QPSK-21100-1RB#0-PASS



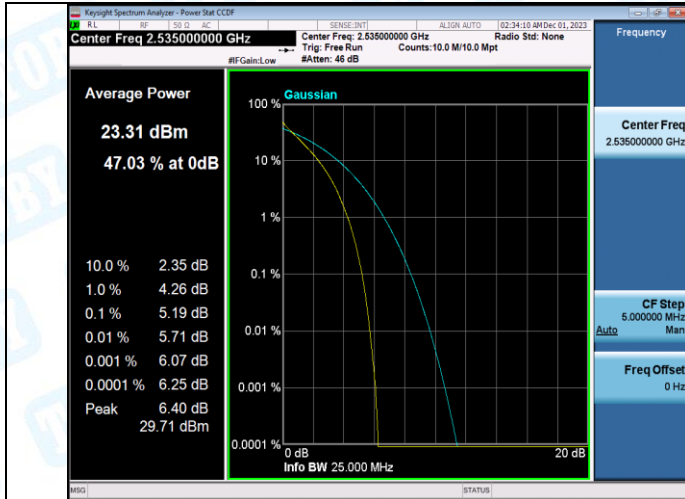
Band7-10MHz-16QAM-21100-1RB#0-PASS



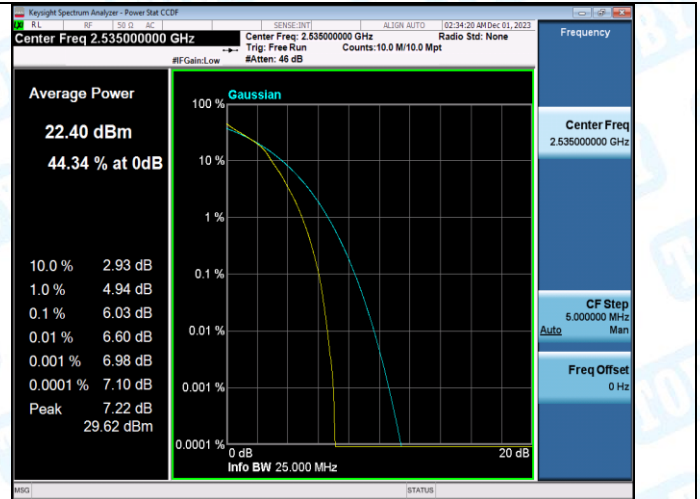
Band7-10MHz-QPSK-21100-50RB#0-PASS



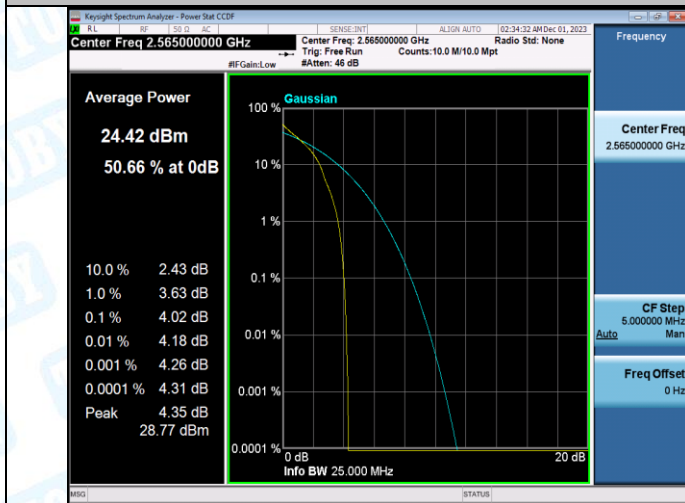
Band7-10MHz-16QAM-21100-50RB#0-PASS



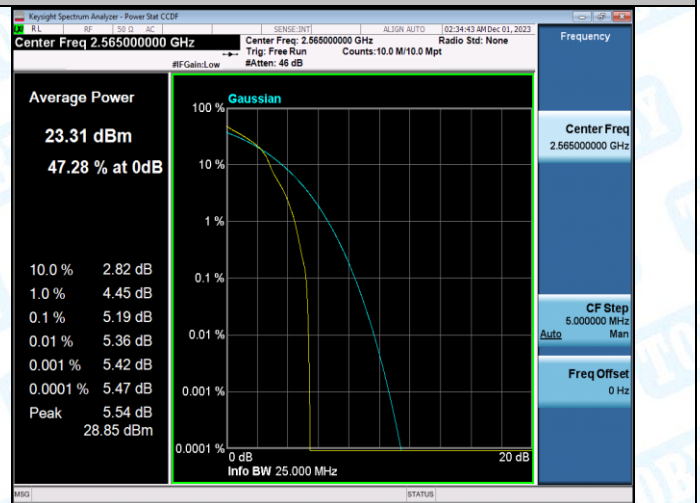
Band7-10MHz-QPSK-21400-1RB#0-PASS



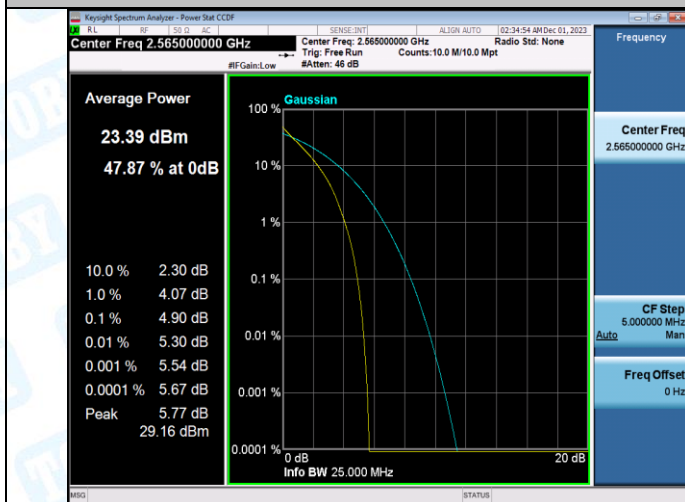
Band7-10MHz-16QAM-21400-1RB#0-PASS



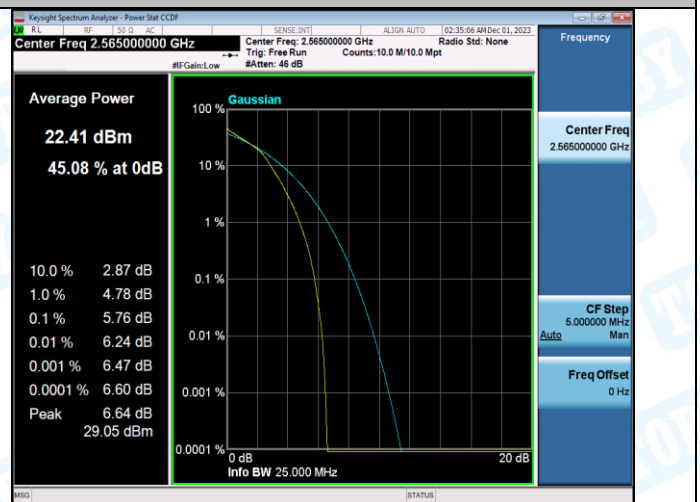
Band7-10MHz-QPSK-21400-50RB#0-PASS



Band7-10MHz-16QAM-21400-50RB#0-PASS



Band7-15MHz-QPSK-20825-1RB#0-PASS



Band7-15MHz-16QAM-20825-1RB#0-PASS