

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	22.18	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.98	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.39	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.16	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.21	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.01	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.10	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.03	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.15	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.08	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.25	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.20	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.22	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.19	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.29	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.18	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.54	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.39	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.38	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.24	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.25	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.18	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.30	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.21	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.39	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.29	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.34	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.31	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.38	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.36	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.63	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.54	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.47	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.43	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.41	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.36	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.34	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.33	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.44	PASS

Band7	5MHz	16QAM	21425	12RB#13	20.43	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.42	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.34	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.26	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.20	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.59	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.36	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.34	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.26	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.20	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.07	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.16	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.04	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.33	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.25	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.25	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.17	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.37	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.10	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.54	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.30	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.56	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.26	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.34	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.32	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.33	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.31	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.57	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.51	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.41	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.41	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.49	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.13	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.61	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.24	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.58	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.20	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.44	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.40	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.45	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.41	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.49	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.44	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.43	PASS

Band7	10MHz	16QAM	21400	50RB#0	20.37	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.22	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.16	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.39	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.33	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.16	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.08	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.33	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.31	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.33	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.33	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.34	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.34	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.34	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.15	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.18	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.24	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.44	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.44	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.39	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.49	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.48	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.48	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.48	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.51	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.50	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.50	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.51	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.44	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.41	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.10	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.51	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.17	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.52	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.13	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.54	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.54	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.56	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.56	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.55	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.54	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.55	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.43	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.01	PASS

Band7	20MHz	16QAM	20850	1RB#0	20.83	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.57	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.31	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.03	PASS
Band7	20MHz	16QAM	20850	1RB#99	20.94	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.02	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.98	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.07	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.96	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.07	PASS
Band7	20MHz	16QAM	20850	50RB#50	19.96	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.07	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.94	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.06	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.07	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.59	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.62	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.36	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.43	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.24	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.22	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.22	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.18	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.60	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.56	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.43	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.39	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.19	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.94	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.58	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.22	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.29	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.01	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.48	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.45	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.43	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.49	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.35	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.38	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.39	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.38	PASS

2. Peak-to-Average Ratio(CCDF)

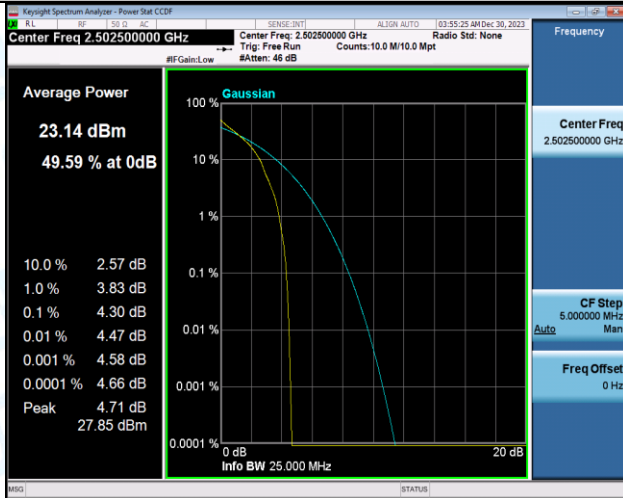
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.30	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.16	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.07	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.96	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.54	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.36	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.25	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.14	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.07	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.98	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.87	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.82	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.12	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.13	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.97	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.89	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.43	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.48	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.21	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.15	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.96	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.17	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.94	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.84	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.18	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.18	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.28	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.06	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.56	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.57	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.52	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.27	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.72	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.96	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.20	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.97	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.28	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.16	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.25	13	PASS

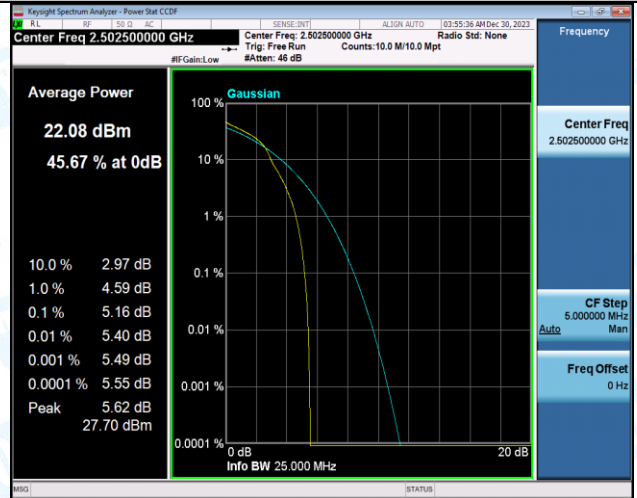
Band7	20MHz	16QAM	20850	100RB#0	6.13	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.73	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.73	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.47	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.27	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.77	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.94	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.14	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.00	13	PASS

Test Graphs

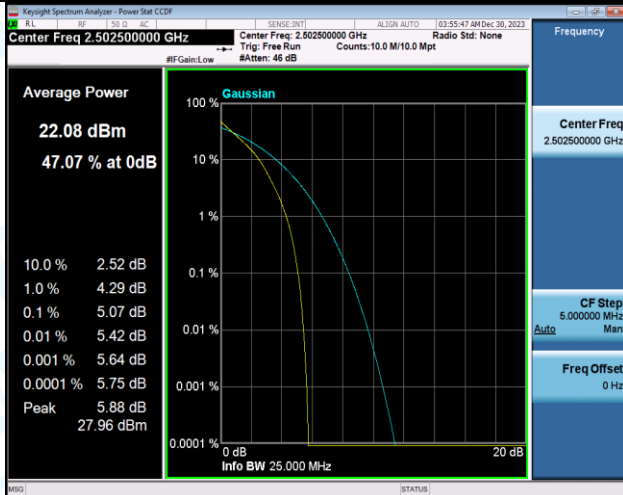
Band7-5MHz-QPSK-20775-1RB#0-PASS



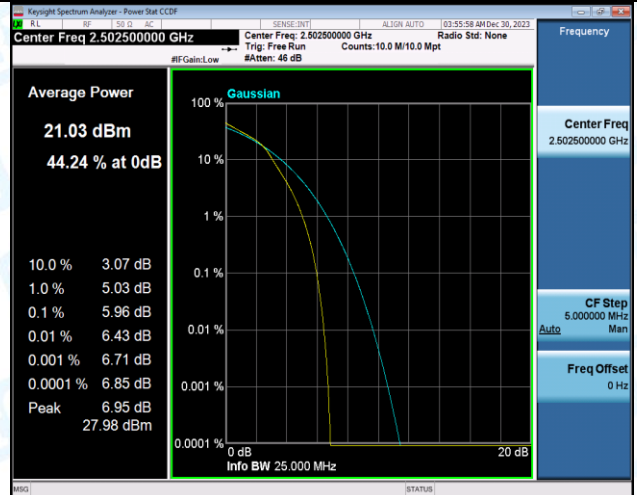
Band7-5MHz-16QAM-20775-1RB#0-PASS



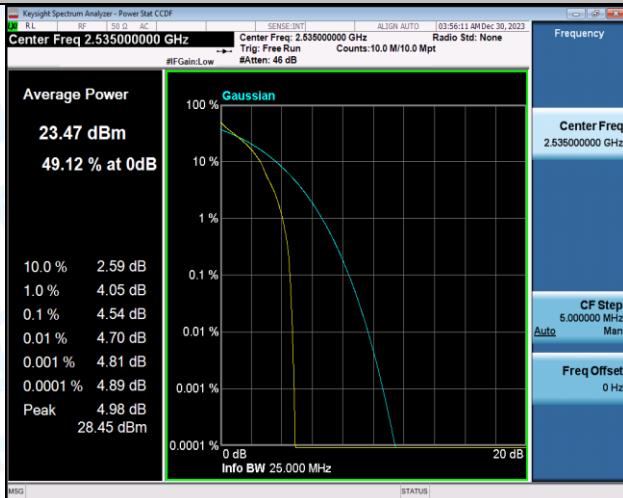
Band7-5MHz-QPSK-20775-25RB#0-PASS



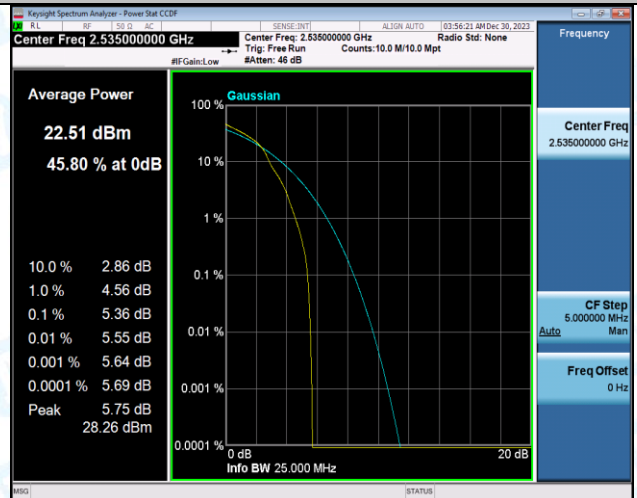
Band7-5MHz-16QAM-20775-25RB#0-PASS



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

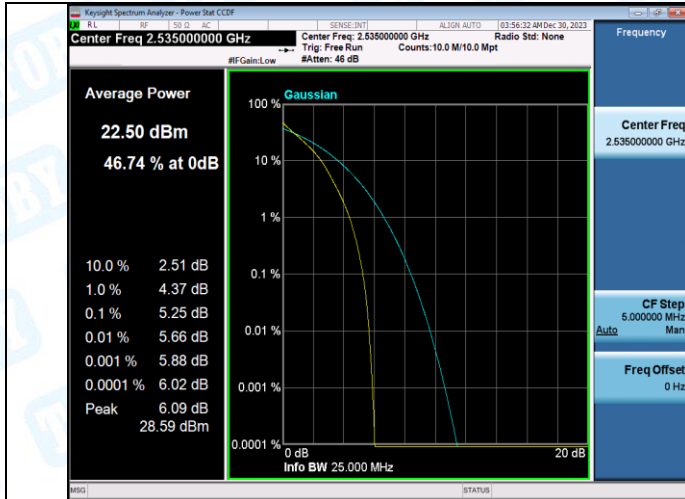


Band7-5MHz-16QAM-21100-1RB#0-PASS

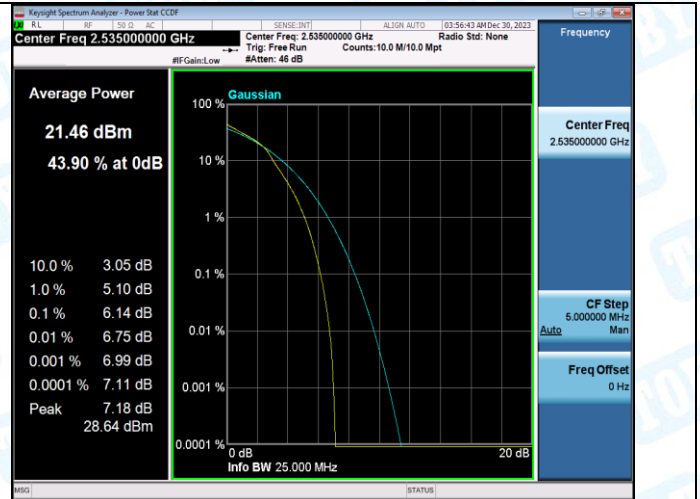


Band7-5MHz-QPSK-21100-25RB#0-PASS

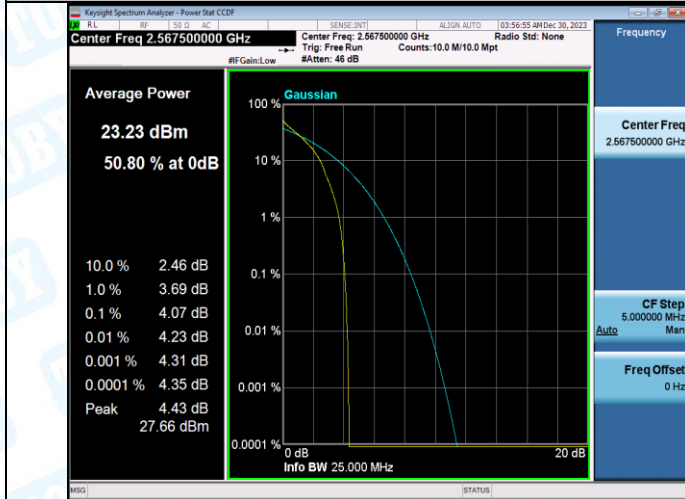
Band7-5MHz-16QAM-21100-25RB#0-PASS



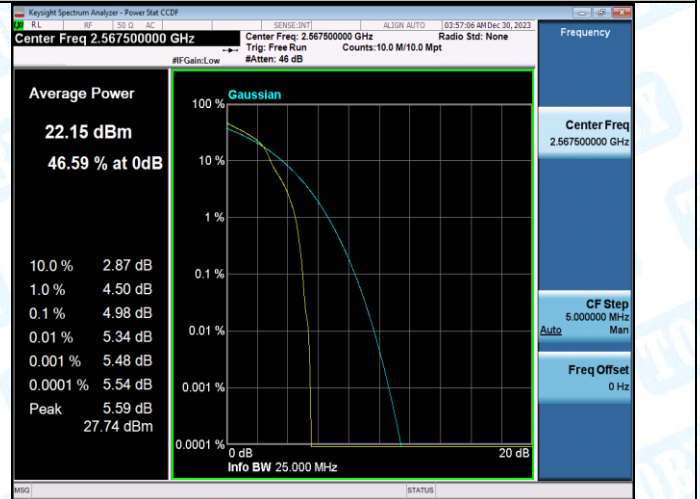
Band7-5MHz-QPSK-21425-1RB#0-PASS



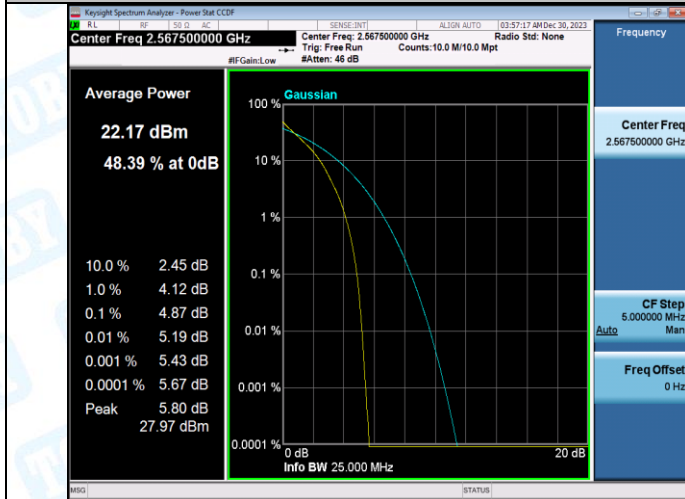
Band7-5MHz-16QAM-21425-1RB#0-PASS



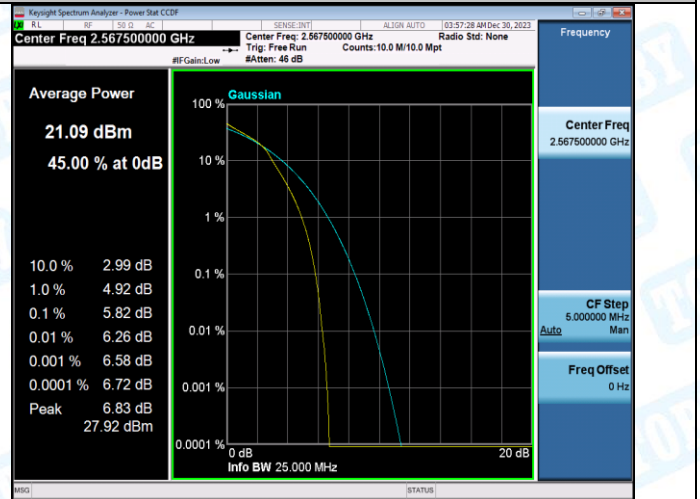
Band7-5MHz-QPSK-21425-25RB#0-PASS



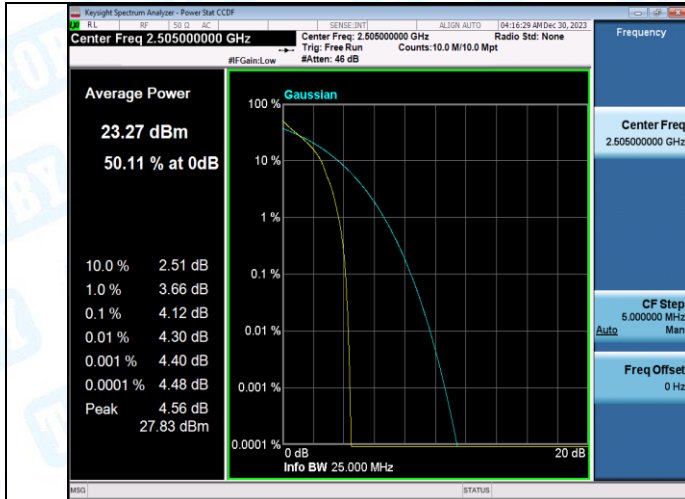
Band7-5MHz-16QAM-21425-25RB#0-PASS



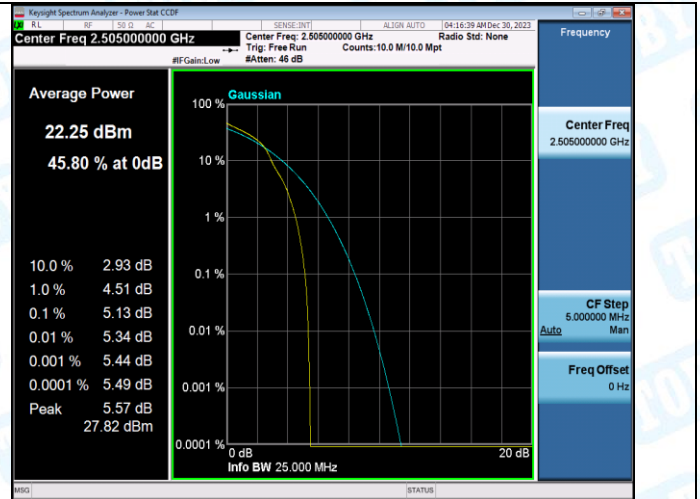
Band7-10MHz-QPSK-20800-1RB#0-PASS



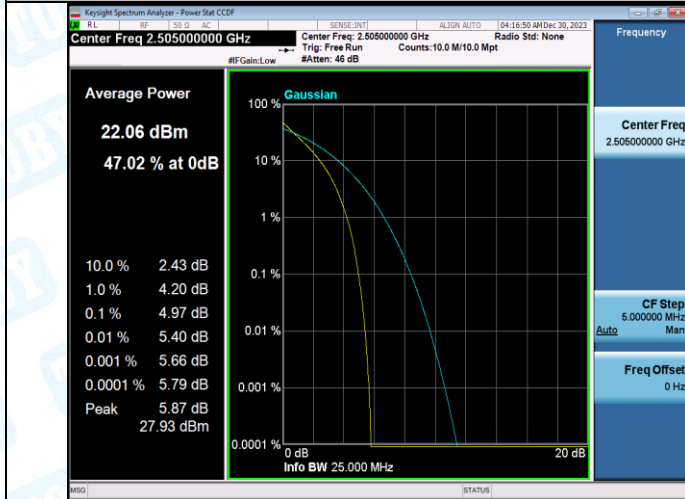
Band7-10MHz-16QAM-20800-1RB#0-PASS



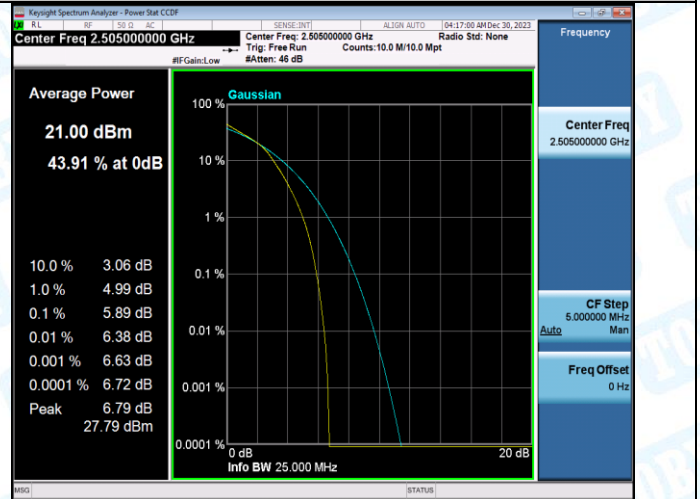
Band7-10MHz-QPSK-20800-50RB#0-PASS



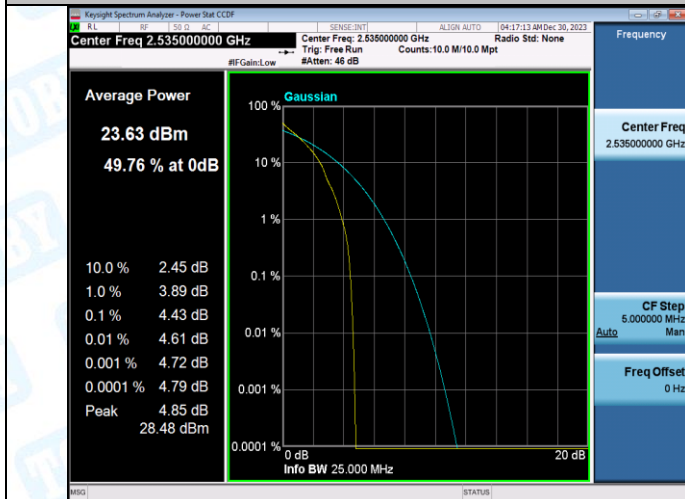
Band7-10MHz-16QAM-20800-50RB#0-PASS



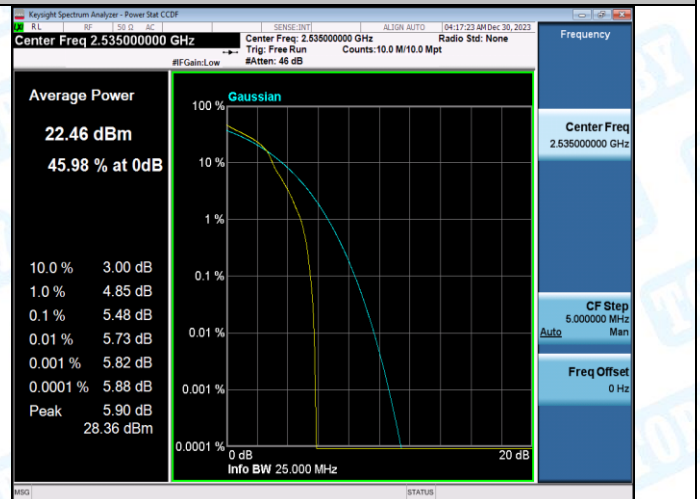
Band7-10MHz-QPSK-21100-1RB#0-PASS



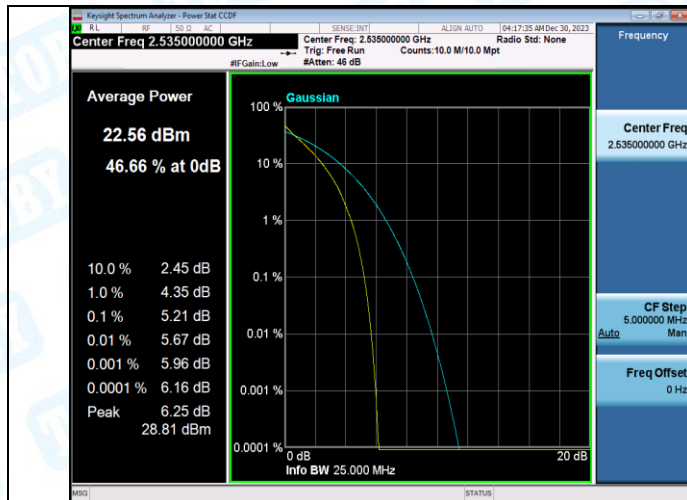
Band7-10MHz-16QAM-21100-1RB#0-PASS



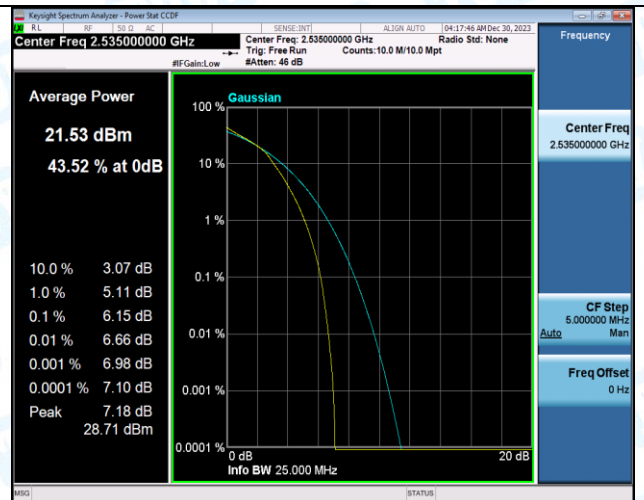
Band7-10MHz-QPSK-21100-50RB#0-PASS



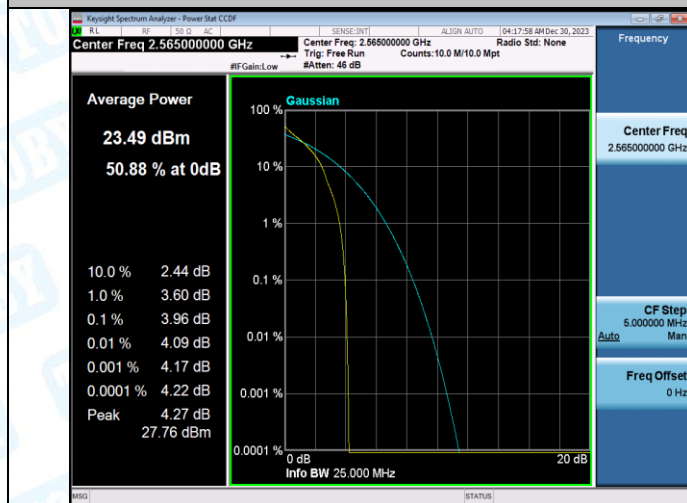
Band7-10MHz-16QAM-21100-50RB#0-PASS



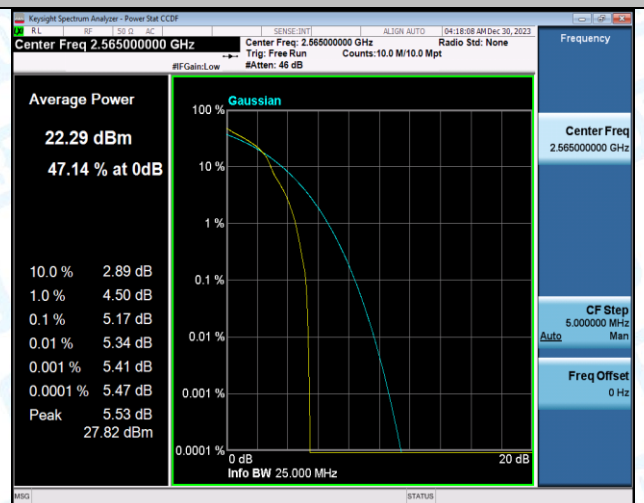
Band7-10MHz-QPSK-21400-1RB#0-PASS



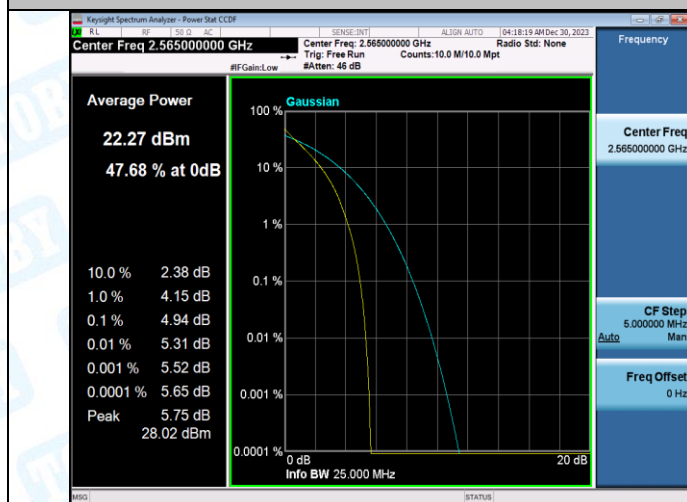
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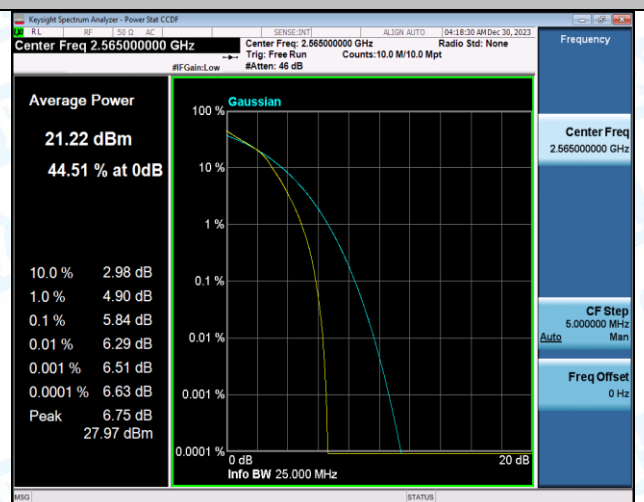
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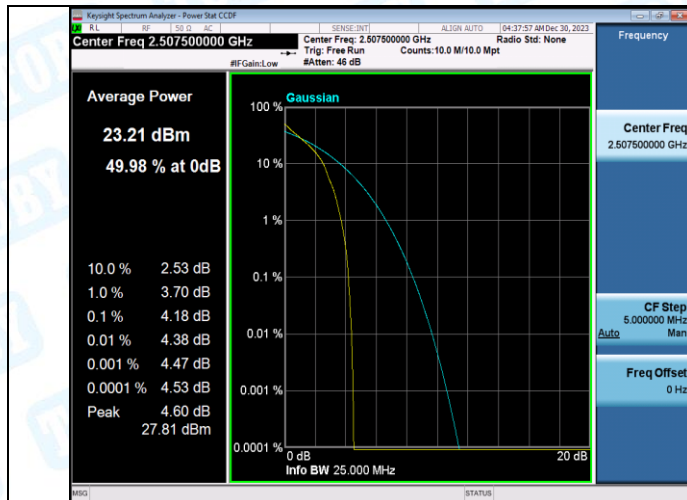
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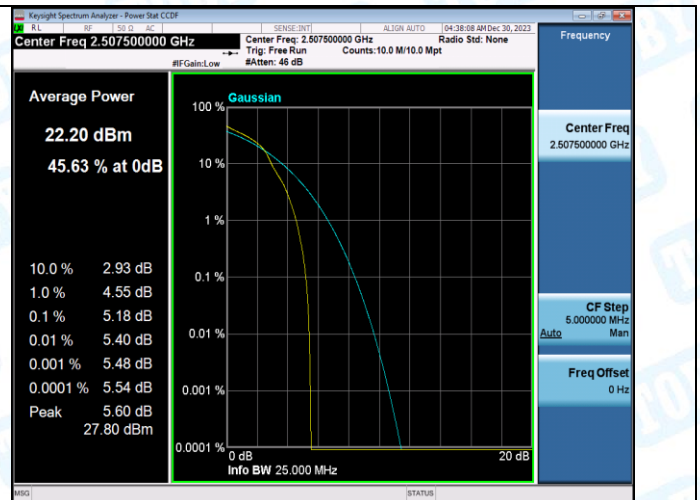
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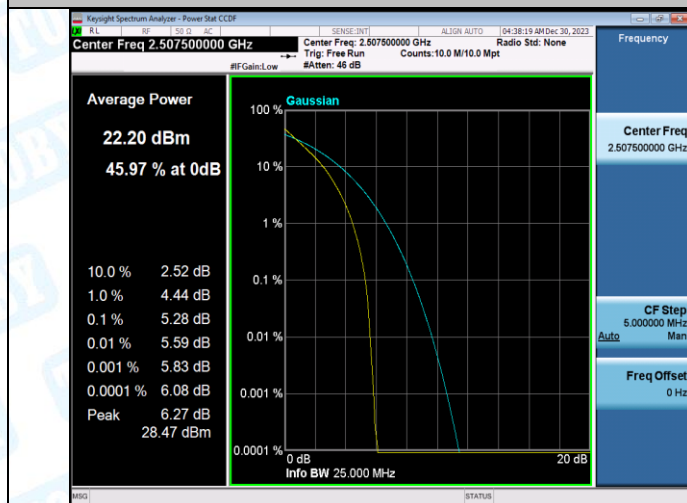
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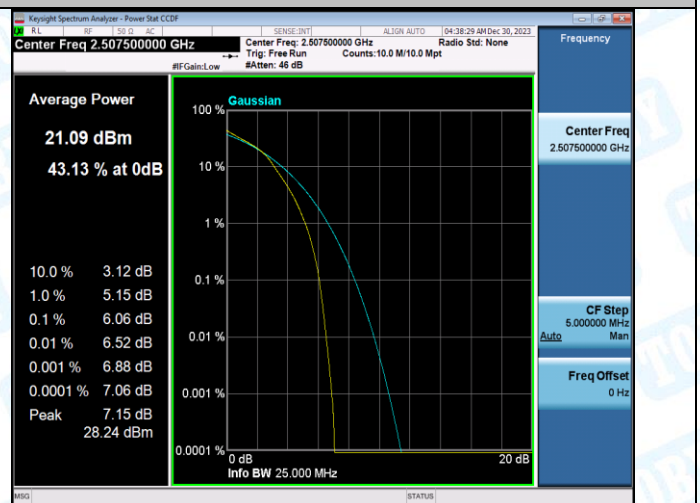
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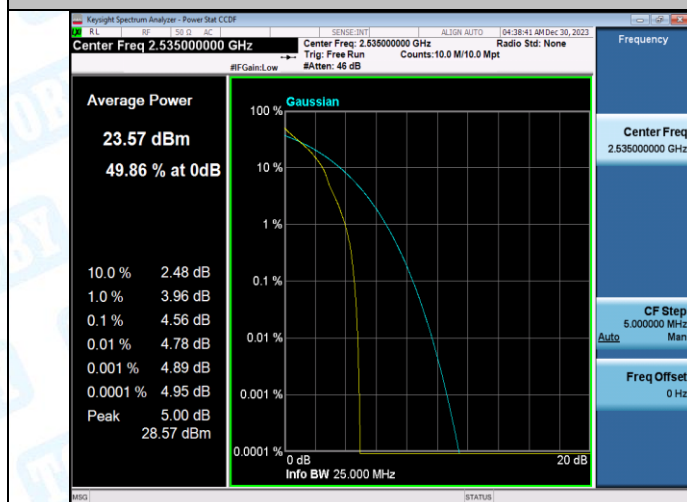
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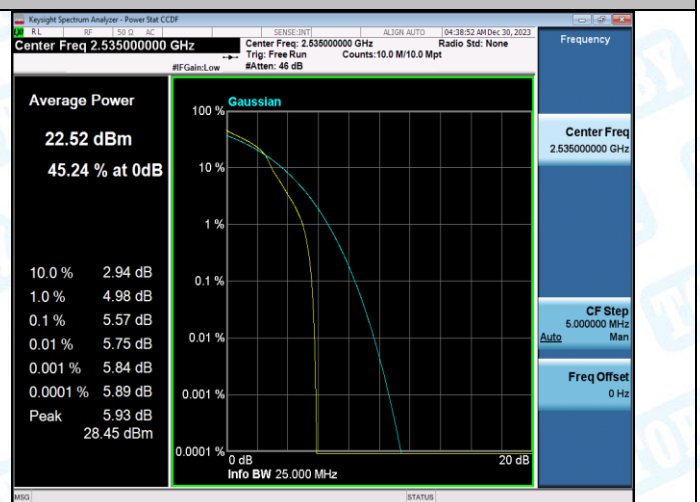
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Band7-15MHz-QPSK-21100-75RB#0-PASS



Band7-15MHz-16QAM-21100-75RB#0-PASS