

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.	

Contents

LTE Test Data	1
1. Conducted Power Output Data	3
Test Result	3
2. Peak-to-Average Ratio(CCDF).....	7
Test Result	7
Test Graphs.....	9
3. 26dB Bandwidth and Occupied Bandwidth	17
Test Result	17
Test Graphs.....	18
4. Band Edge	22
Test Result	22
Test Graphs.....	24
5. Conducted Spurious Emission.....	32
Test Result	32
Test Graphs.....	35
6. Frequency Stability	55
Test Result	55

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

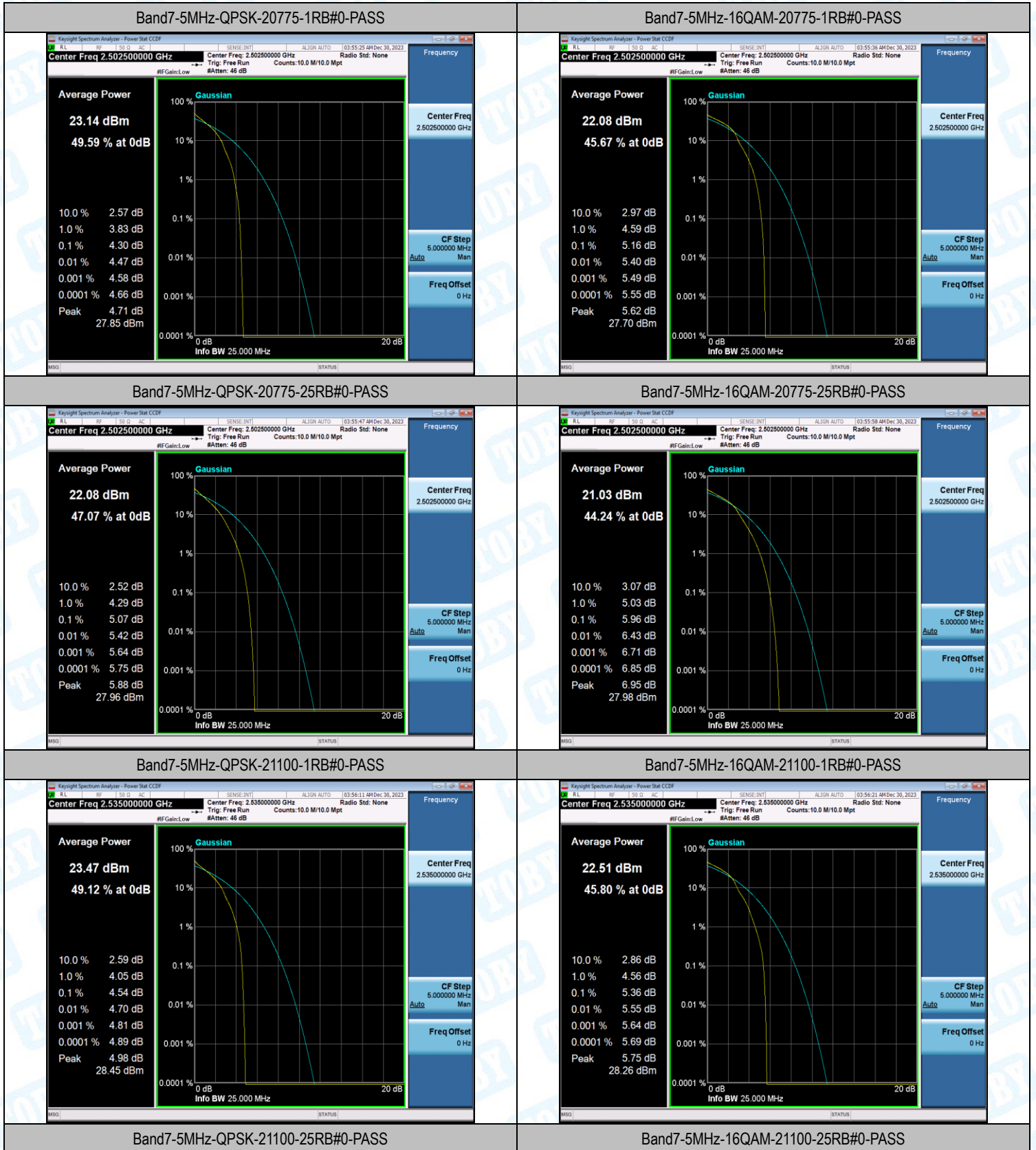
2. Peak-to-Average Ratio(CCDF)

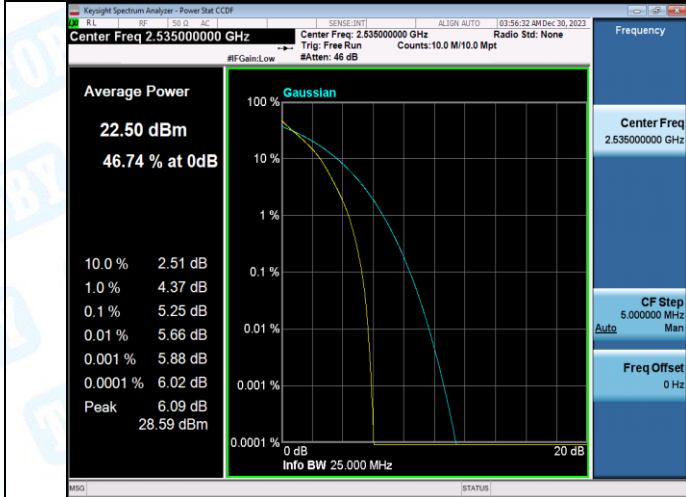
Test Result

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

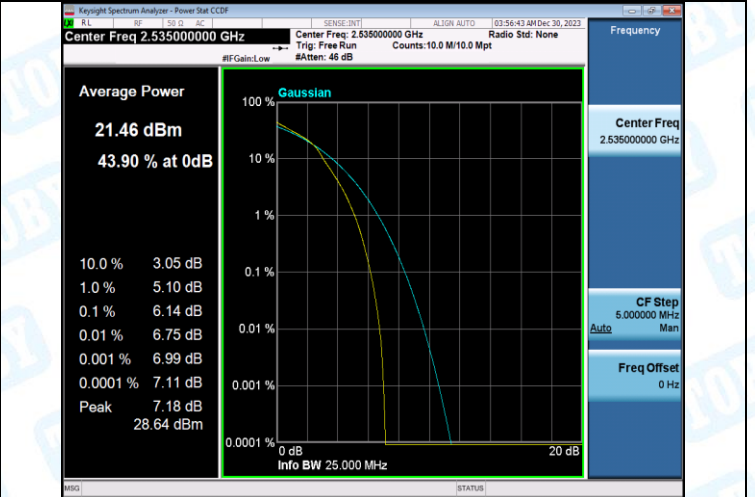
Band7	20MHz	16QAM	20850	100RB#0	6.13	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.73	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.73	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.47	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.27	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.77	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.94	13	PASS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

Test Graphs

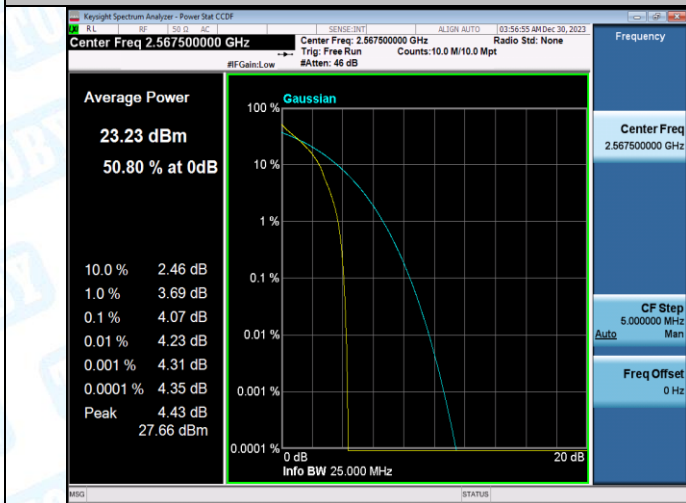




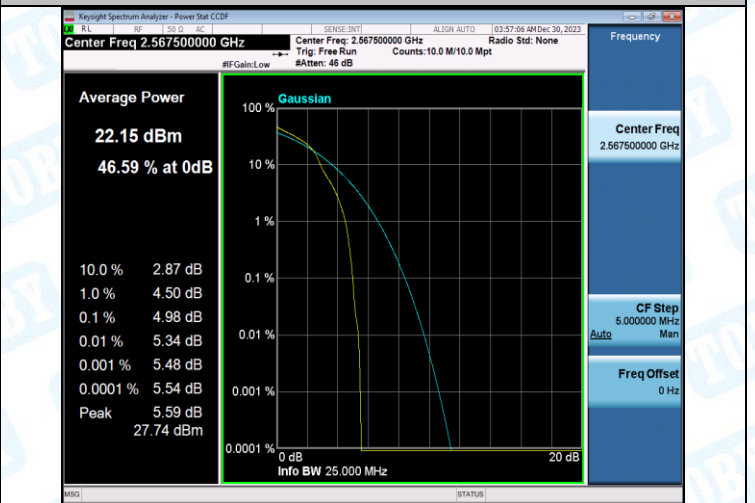
Band7-5MHz-QPSK-21425-1RB#0-PASS



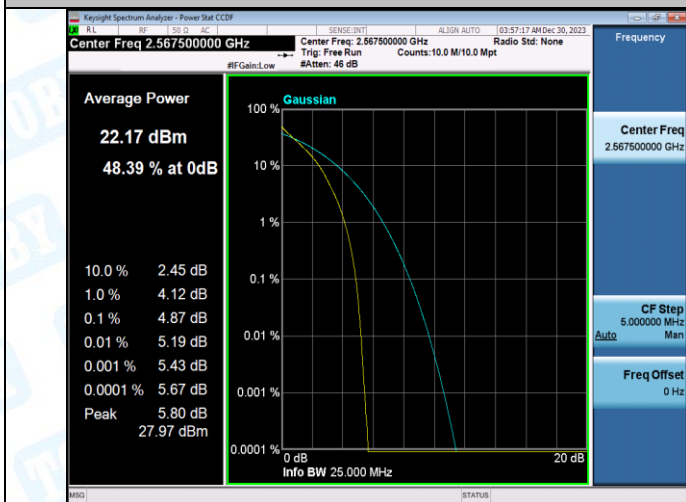
Band7-5MHz-16QAM-21425-1RB#0-PASS



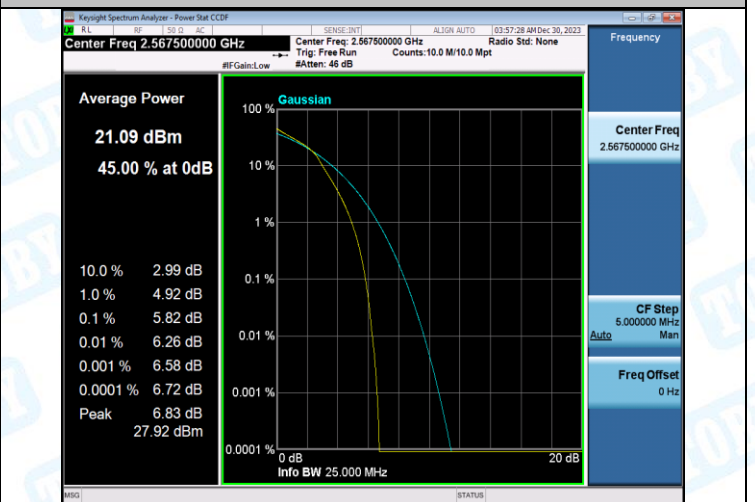
Band7-5MHz-QPSK-21425-25RB#0-PASS



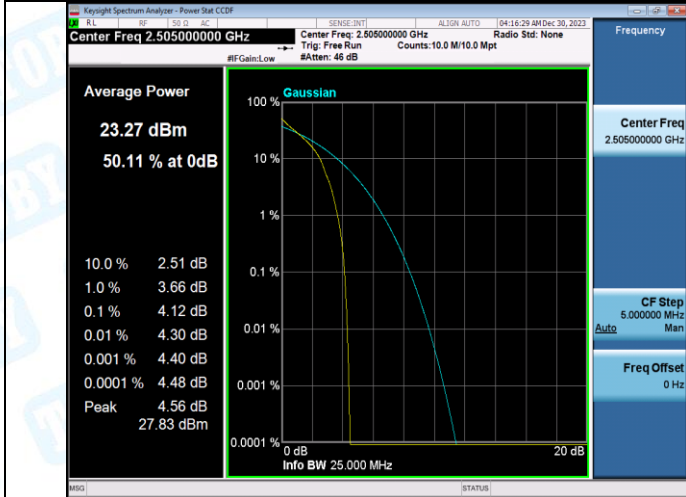
Band7-5MHz-16QAM-21425-25RB#0-PASS



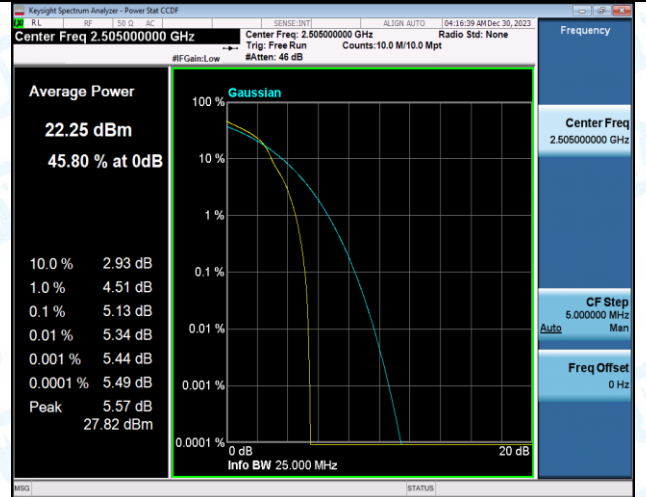
Band7-10MHz-QPSK-20800-1RB#0-PASS



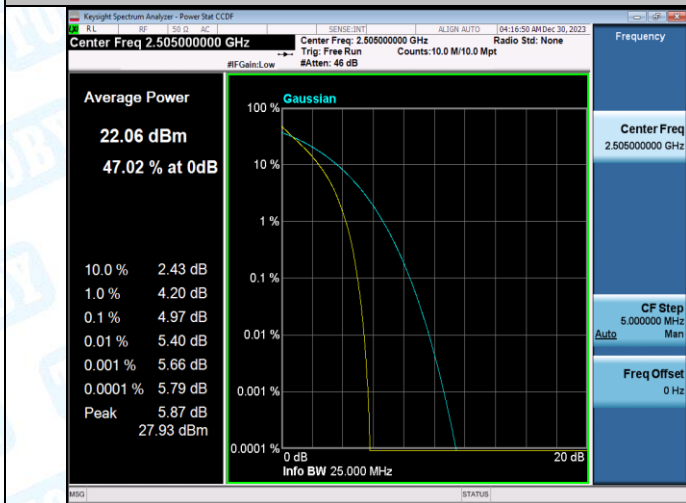
Band7-10MHz-16QAM-20800-1RB#0-PASS



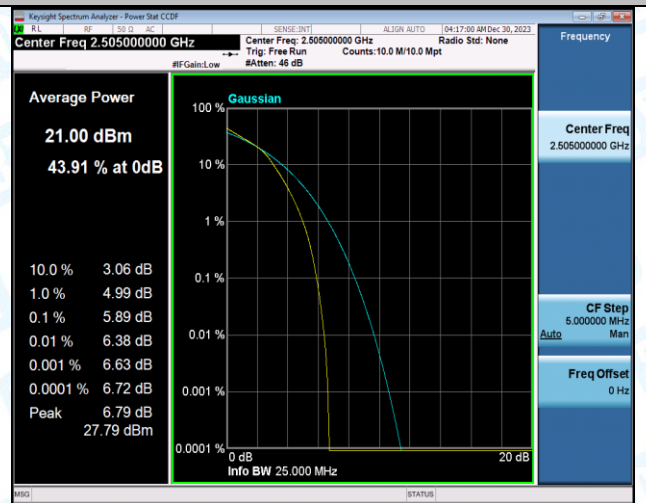
Band7-10MHz-QPSK-20800-50RB#0-PASS



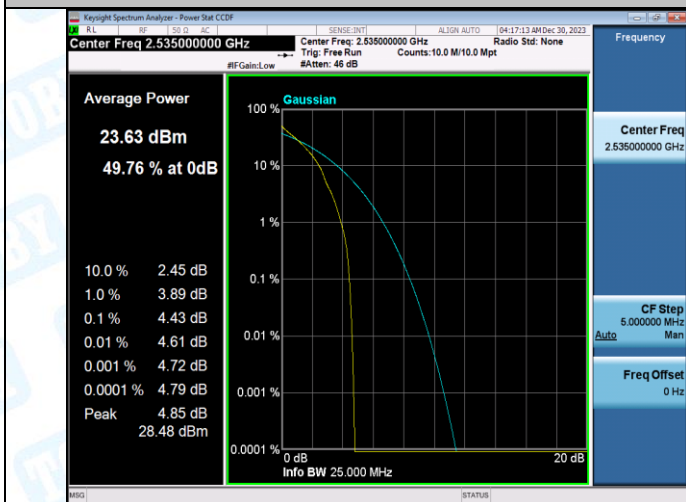
Band7-10MHz-16QAM-20800-50RB#0-PASS



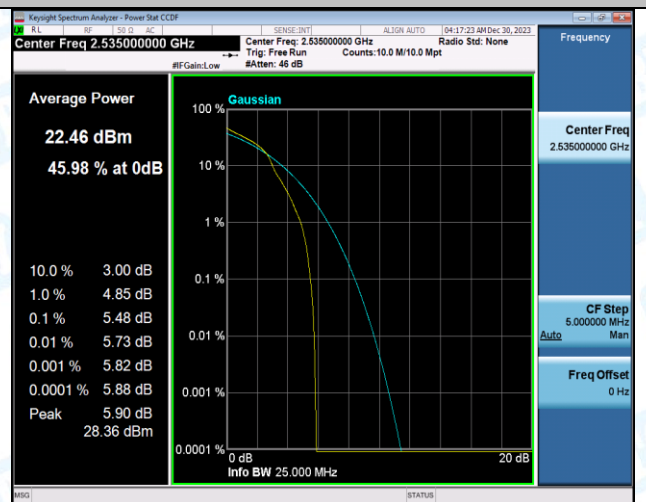
Band7-10MHz-QPSK-21100-1RB#0-PASS



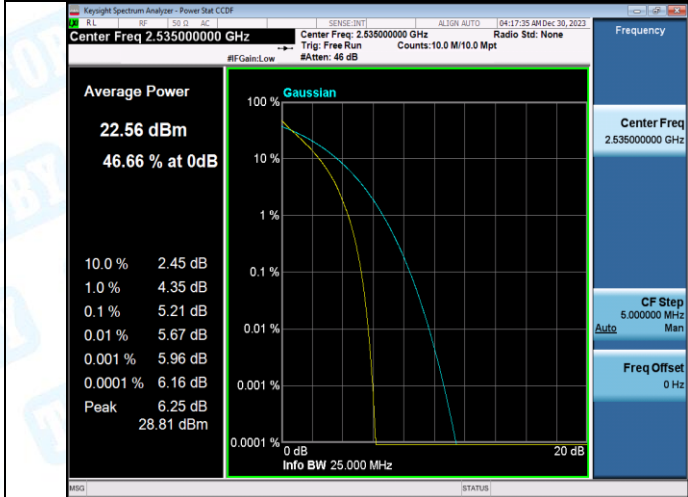
Band7-10MHz-16QAM-21100-1RB#0-PASS



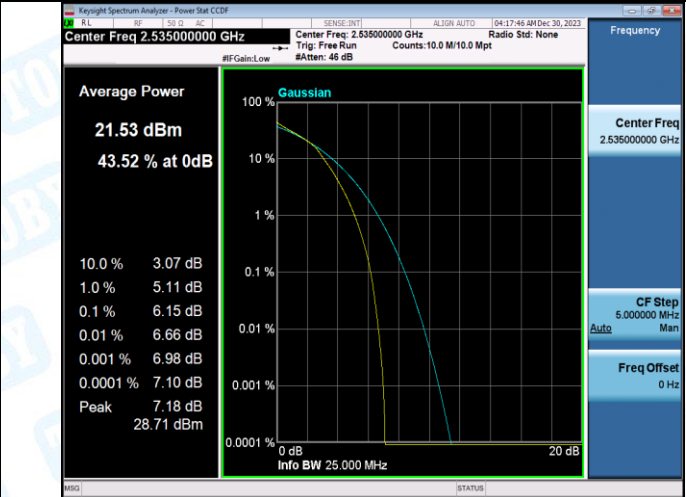
Band7-10MHz-QPSK-21100-50RB#0-PASS



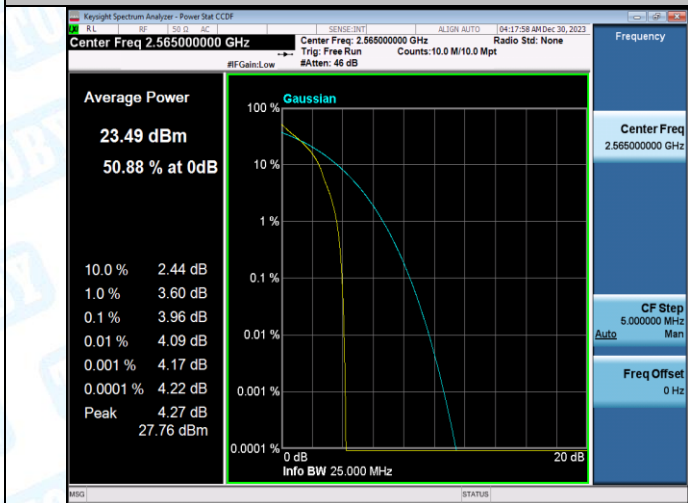
Band7-10MHz-16QAM-21100-50RB#0-PASS



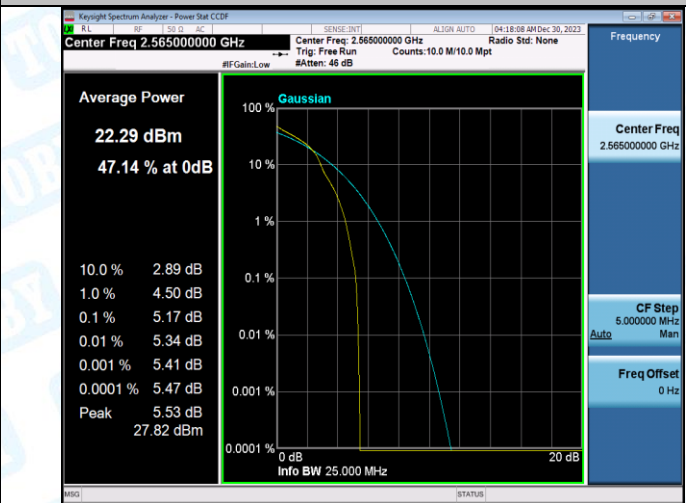
Band7-10MHz-QPSK-21400-1RB#0-PASS



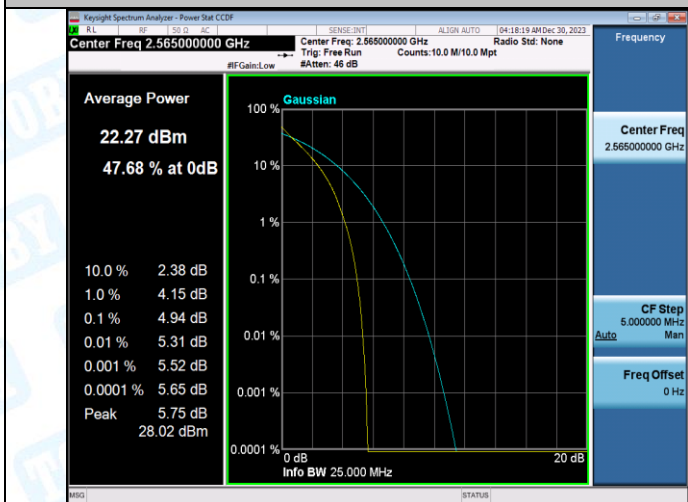
Band7-10MHz-16QAM-21400-1RB#0-PASS



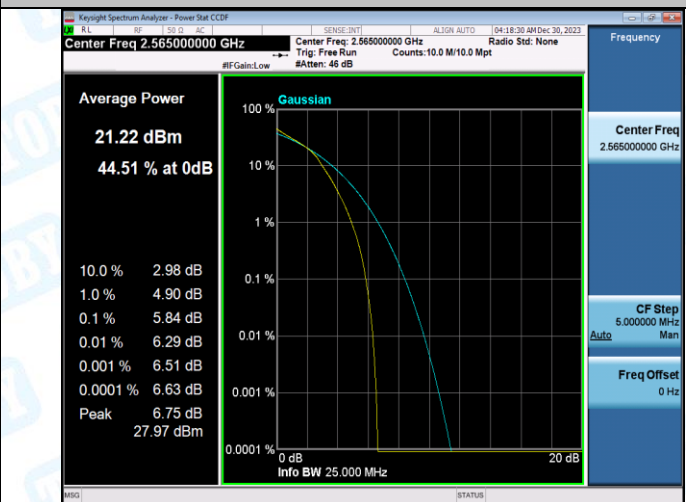
Band7-10MHz-QPSK-21400-50RB#0-PASS



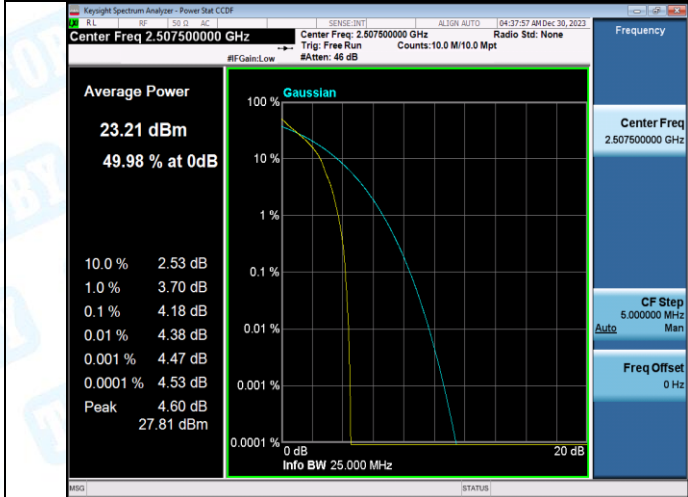
Band7-10MHz-16QAM-21400-50RB#0-PASS



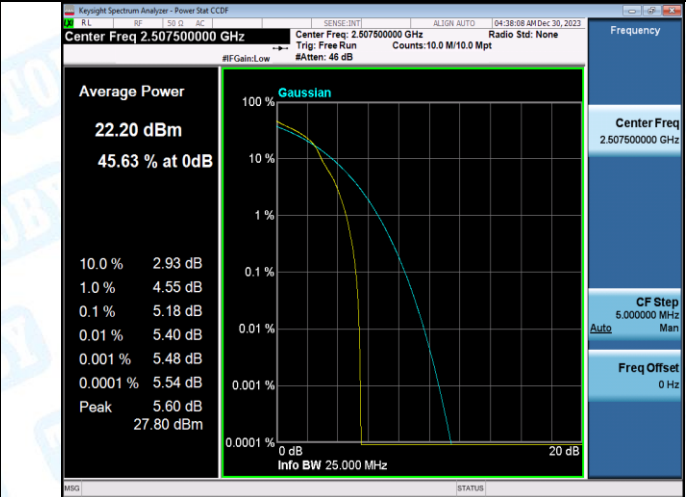
Band7-15MHz-QPSK-20825-1RB#0-PASS



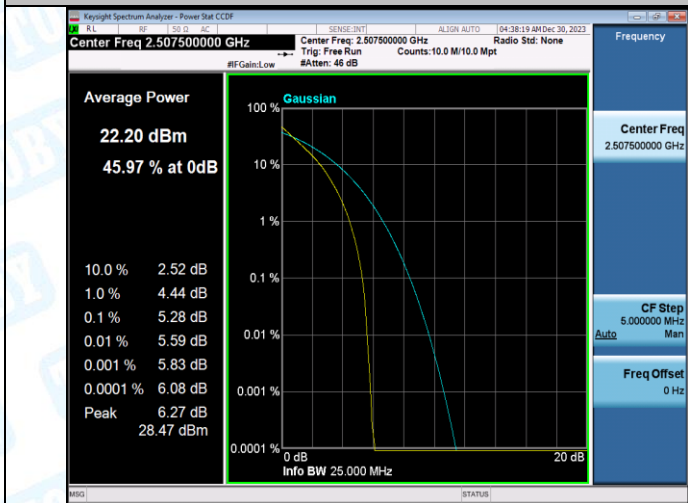
Band7-15MHz-16QAM-20825-1RB#0-PASS



Band7-15MHz-QPSK-20825-75RB#0-PASS



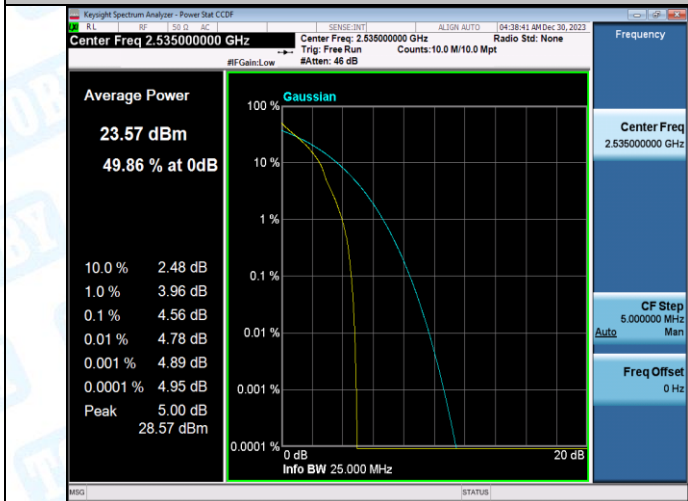
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Band7-15MHz-QPSK-21100-1RB#0-PASS



Band7-15MHz-16QAM-21100-1RB#0-PASS



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



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