

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
Band38	5MHz	QPSK	37775	1RB#0	22.38	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.30	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.49	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.40	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.45	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.35	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.36	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.13	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.37	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.20	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.31	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.20	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.38	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.27	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.45	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.73	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.59	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.83	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.47	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.72	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.48	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.31	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.44	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.34	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.46	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.34	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.47	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.38	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.58	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.82	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.75	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.98	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.63	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.86	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.61	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.50	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.59	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.49	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.61	PASS

Band38	5MHz	16QAM	38225	12RB#13	20.50	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.59	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.53	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.44	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.49	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.76	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.88	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.59	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.69	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.44	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.42	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.43	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.43	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.47	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.43	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.41	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.34	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.59	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.68	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.88	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.95	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.60	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.67	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.49	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.51	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.52	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.51	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.56	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.54	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.51	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.46	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.63	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.21	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.97	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.51	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.74	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.31	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.55	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.49	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.55	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.52	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.67	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.61	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.63	PASS

Band38	10MHz	16QAM	38200	50RB#0	20.57	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.37	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.47	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.50	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.64	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.53	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.64	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.51	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.50	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.50	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.51	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.51	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.49	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.49	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.41	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.51	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.63	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.61	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.70	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.47	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.59	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.57	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.52	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.54	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.56	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.55	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.55	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.56	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.45	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.58	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.27	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.78	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.46	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.74	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.38	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.66	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.64	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.64	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.64	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.66	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.65	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.64	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.55	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.19	PASS

Band38	20MHz	16QAM	37850	1RB#0	21.15	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.79	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.73	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.90	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.85	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.39	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.34	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.39	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.34	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.48	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.46	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.45	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.38	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.34	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.28	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.75	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.72	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.89	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.84	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.41	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.43	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.46	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.42	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.47	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.46	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.44	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.39	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.23	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.76	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.70	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.24	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.92	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.43	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.36	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.35	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.39	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.37	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.66	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.58	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.49	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.48	PASS

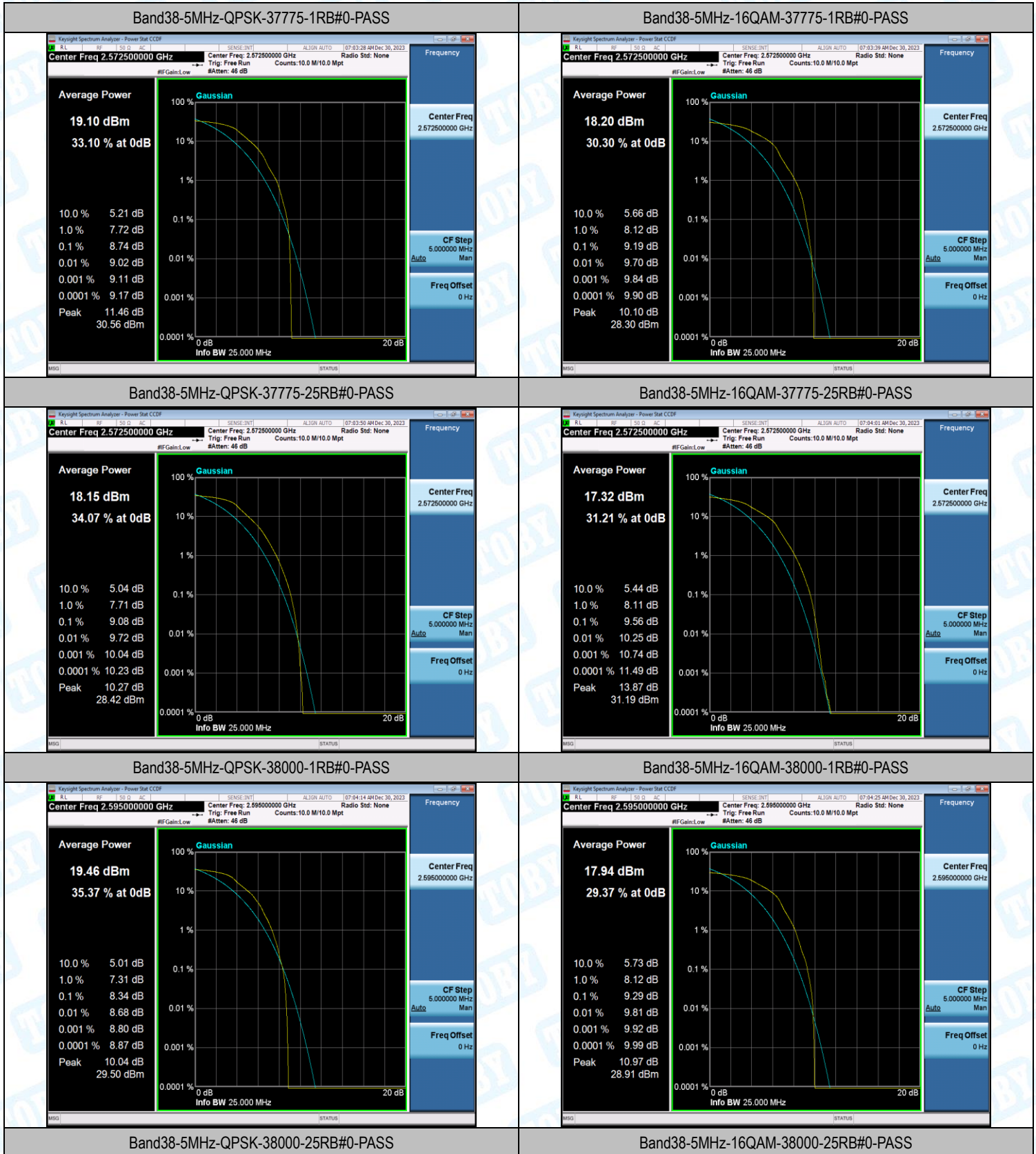
2. Peak-to-Average Ratio(CCDF)

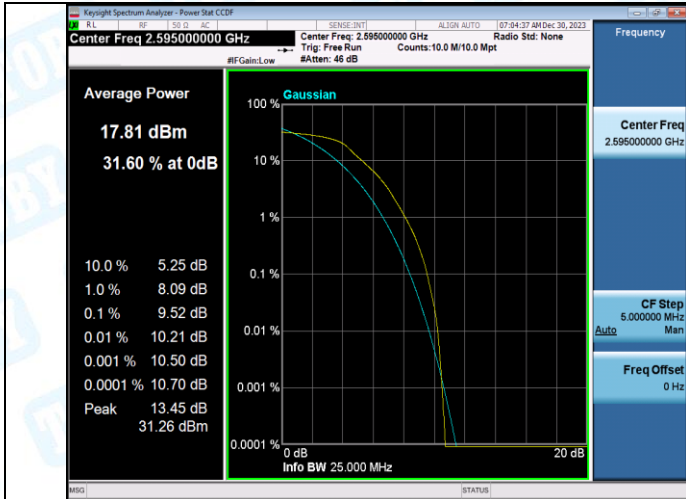
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	8.74	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.19	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.08	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.56	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.34	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	9.29	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.52	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.99	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.62	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	9.26	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.17	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.24	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.61	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.60	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.46	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	10.06	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.94	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	9.70	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.16	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	10.13	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.69	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	9.57	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.22	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	10.07	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.70	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	9.18	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.37	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	10.04	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.81	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	9.54	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.29	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	10.26	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	8.60	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.44	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.09	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.99	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	8.28	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	9.50	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.19	13	PASS

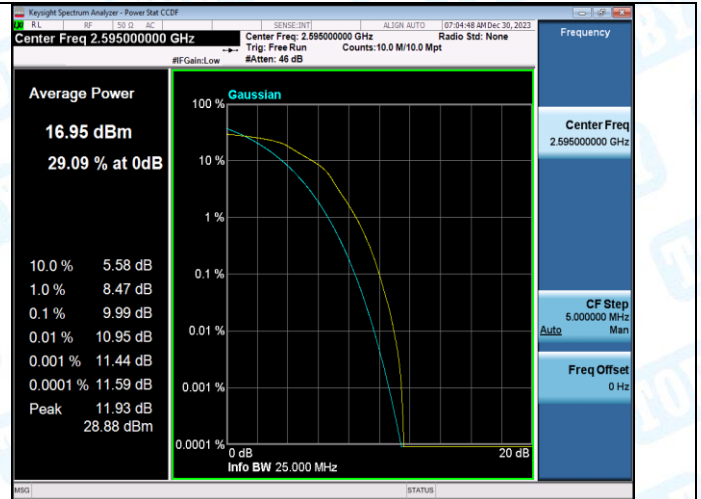
Band38	20MHz	16QAM	37850	100RB#0	9.85	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.59	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.72	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.24	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.68	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.33	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.07	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.10	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.83	13	PASS

Test Graphs

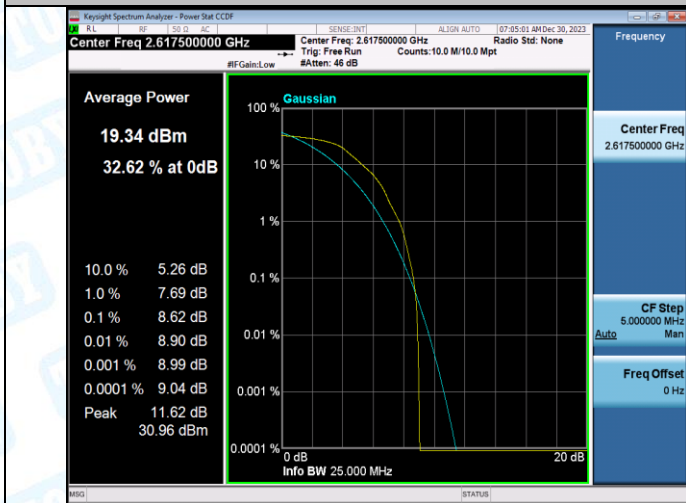




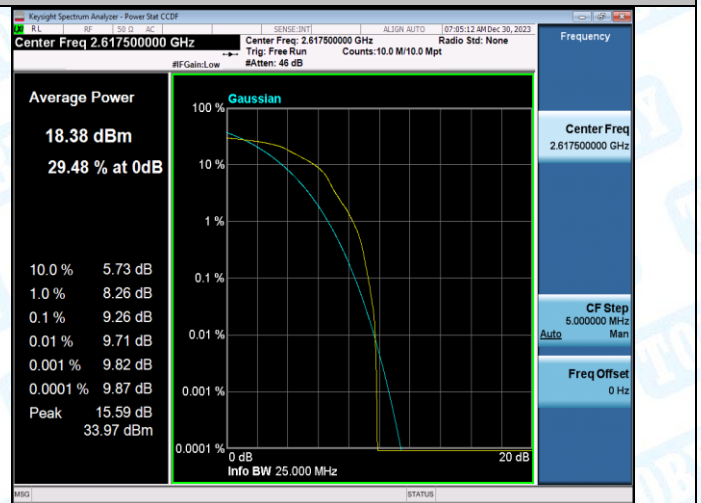
Band38-5MHz-QPSK-38225-1RB#0-PASS



Band38-5MHz-16QAM-38225-1RB#0-PASS



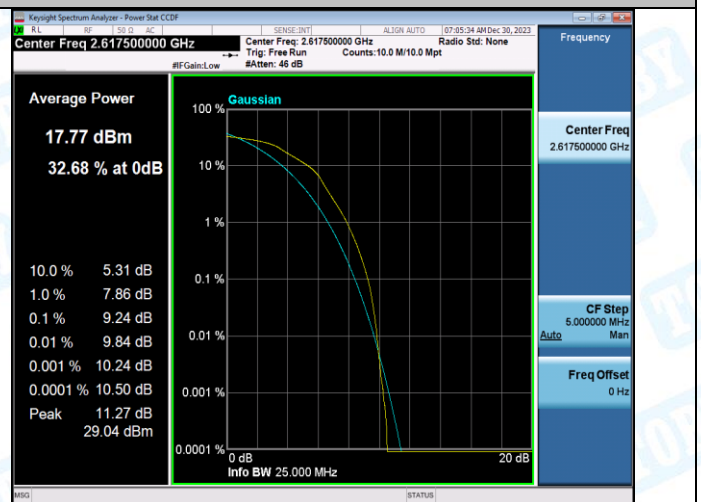
Band38-5MHz-QPSK-38225-25RB#0-PASS



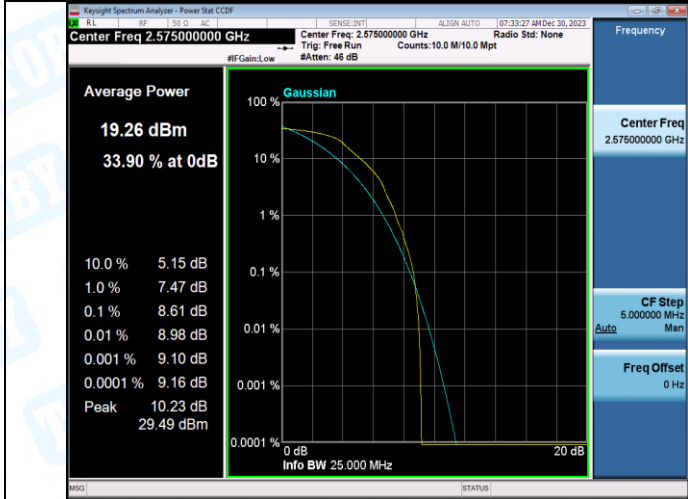
Band38-5MHz-16QAM-38225-25RB#0-PASS



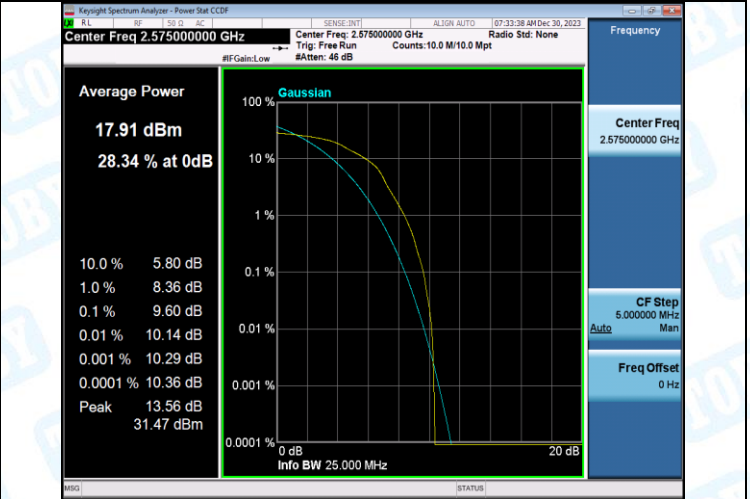
Band38-10MHz-QPSK-37800-1RB#0-PASS



Band38-10MHz-16QAM-37800-1RB#0-PASS



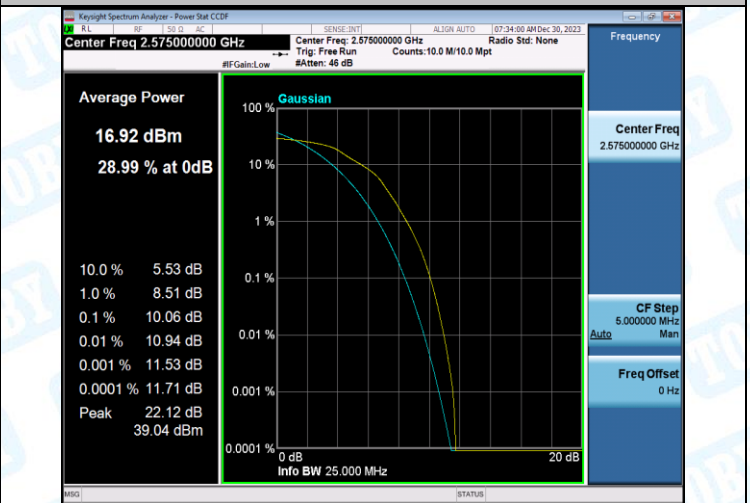
Band38-10MHz-QPSK-37800-50RB#0-PASS



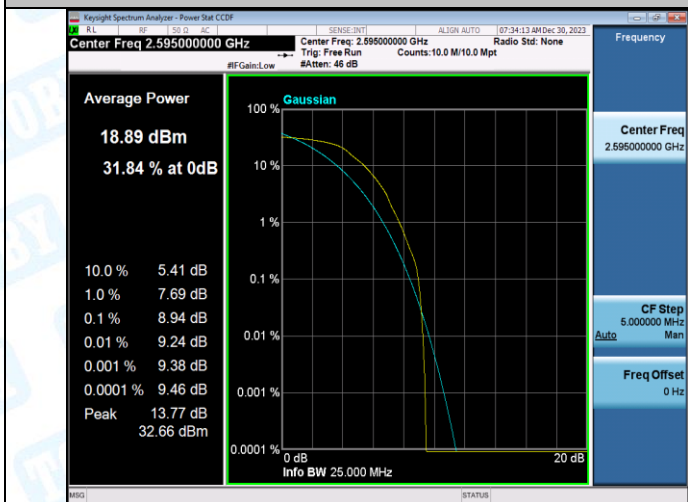
Band38-10MHz-16QAM-37800-50RB#0-PASS



Band38-10MHz-QPSK-38000-1RB#0-PASS



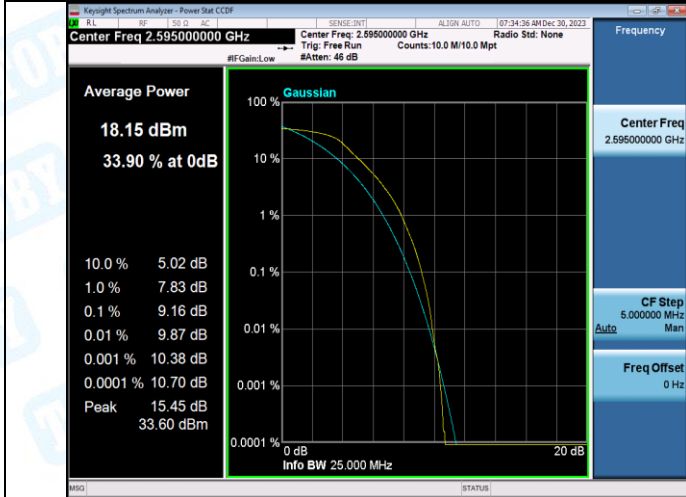
Band38-10MHz-16QAM-38000-1RB#0-PASS



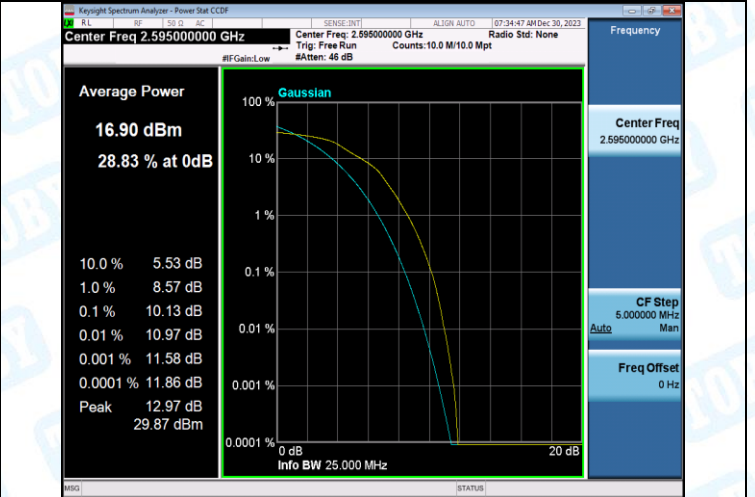
Band38-10MHz-QPSK-38000-50RB#0-PASS



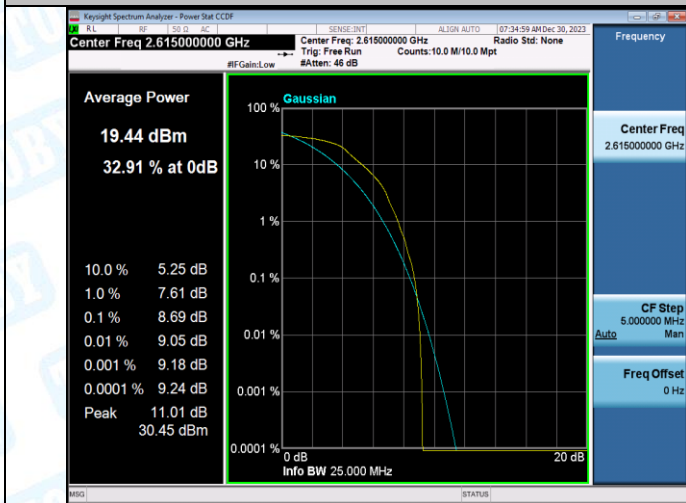
Band38-10MHz-16QAM-38000-50RB#0-PASS



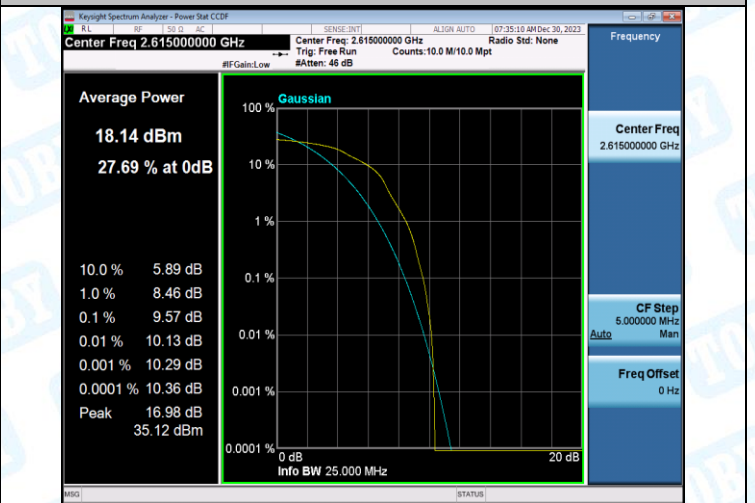
Band38-10MHz-QPSK-38200-1RB#0-PASS



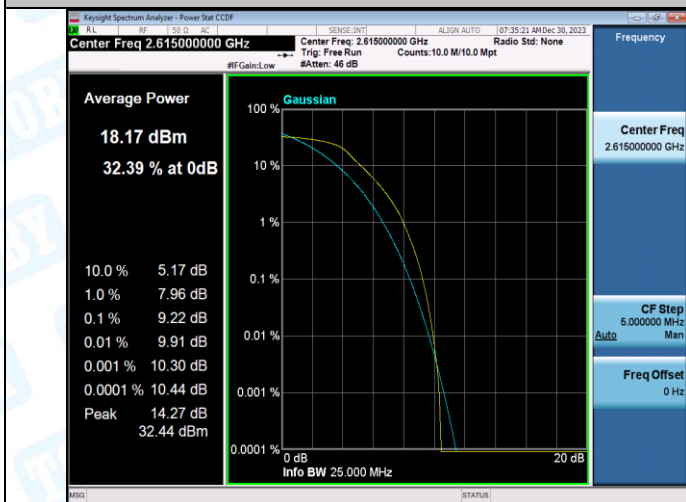
Band38-10MHz-16QAM-38200-1RB#0-PASS



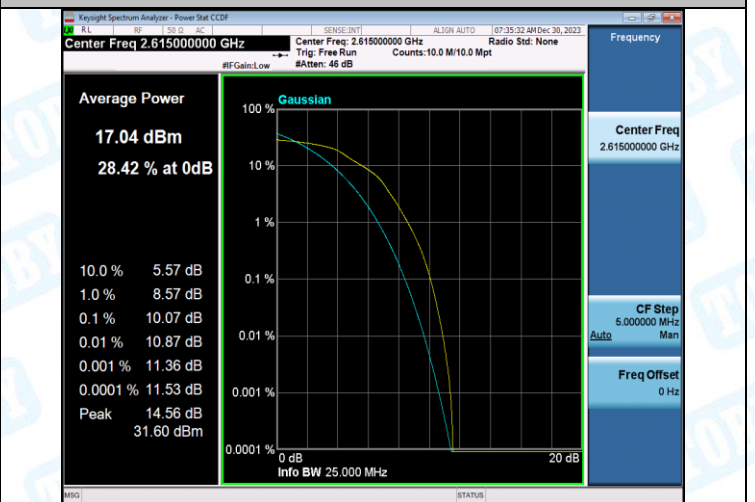
Band38-10MHz-QPSK-38200-50RB#0-PASS



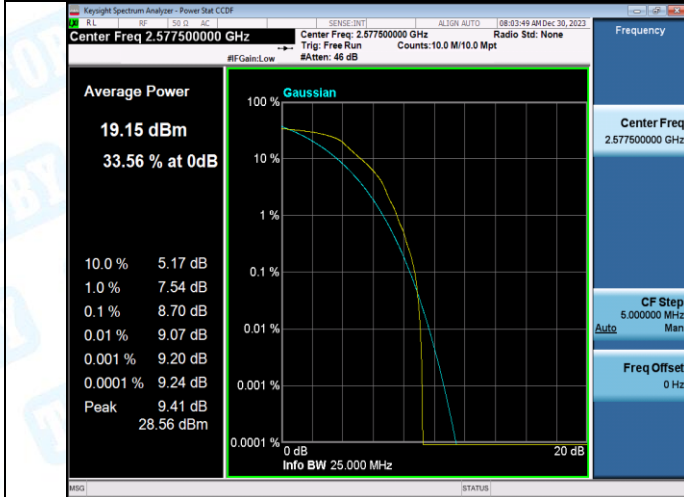
Band38-10MHz-16QAM-38200-50RB#0-PASS



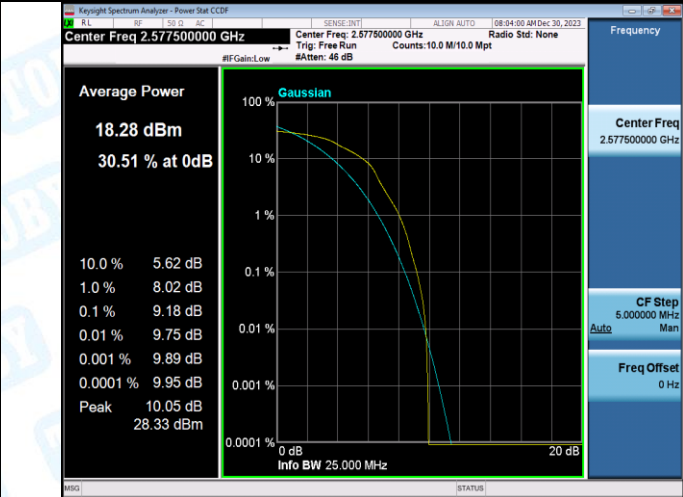
Band38-15MHz-QPSK-37825-1RB#0-PASS



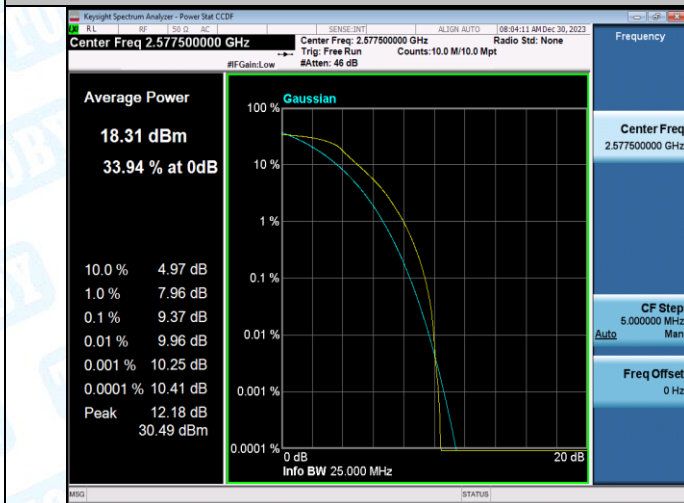
Band38-15MHz-16QAM-37825-1RB#0-PASS



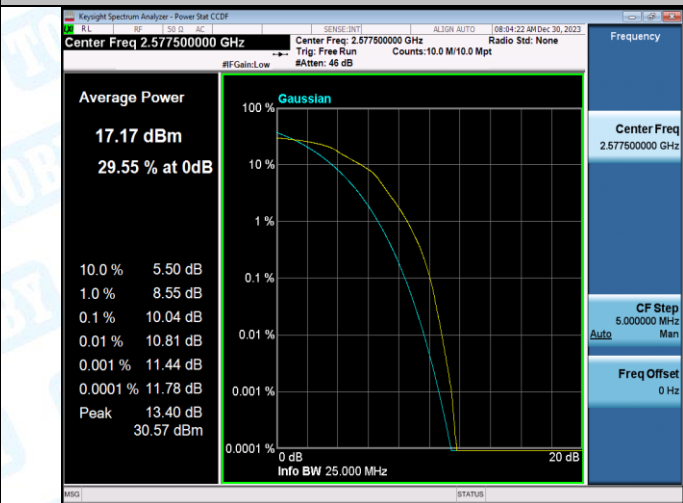
Band38-15MHz-QPSK-37825-75RB#0-PASS



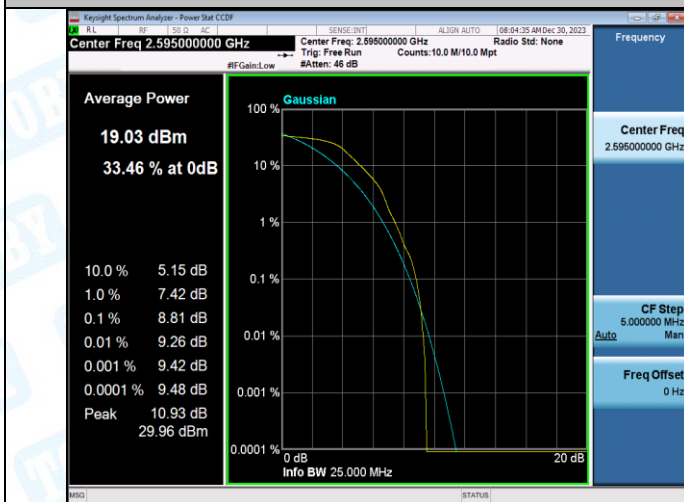
Band38-15MHz-16QAM-37825-75RB#0-PASS



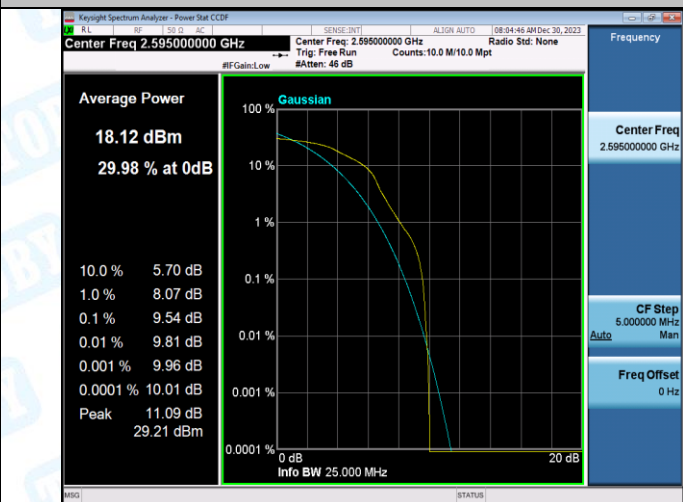
Band38-15MHz-QPSK-38000-1RB#0-PASS



Band38-15MHz-16QAM-38000-1RB#0-PASS



Band38-15MHz-QPSK-38000-75RB#0-PASS



Band38-15MHz-16QAM-38000-75RB#0-PASS