

Appendix for LTE Band4

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Appendix A: Effective (Isotropic) Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Conducted Power(dBm)	Antenna Gain(dBi)	EIRP (dBm)	Limit(dBm)	Verdict
Band 4	1.4MHz	19957	QPSK	1	0	Low	22.46	-1.37	21.09	-999~30	PASS
Band 4	1.4MHz	19957	16QAM	1	0	Low	21.33	-1.37	19.96	-999~30	PASS
Band 4	1.4MHz	19957	QPSK	1	5	Low	22.73	-1.37	21.36	-999~30	PASS
Band 4	1.4MHz	19957	16QAM	1	5	Low	21.53	-1.37	20.16	-999~30	PASS
Band 4	1.4MHz	19957	QPSK	6	0	Low	20.56	-1.37	19.19	-999~30	PASS
Band 4	1.4MHz	19957	16QAM	6	0	Low	20.57	-1.37	19.2	-999~30	PASS
Band 4	1.4MHz	20175	QPSK	1	0	Low	22.66	-1.37	21.29	-999~30	PASS
Band 4	1.4MHz	20175	16QAM	1	0	Low	21.5	-1.37	20.13	-999~30	PASS
Band 4	1.4MHz	20175	QPSK	1	5	Low	22.84	-1.37	21.47	-999~30	PASS
Band 4	1.4MHz	20175	16QAM	1	5	Low	21.76	-1.37	20.39	-999~30	PASS
Band 4	1.4MHz	20175	QPSK	6	0	Low	20.69	-1.37	19.32	-999~30	PASS
Band 4	1.4MHz	20175	16QAM	6	0	Low	20.69	-1.37	19.32	-999~30	PASS
Band 4	1.4MHz	20393	QPSK	1	0	High	22.69	-1.37	21.32	-999~30	PASS
Band 4	1.4MHz	20393	16QAM	1	0	High	21.9	-1.37	20.53	-999~30	PASS
Band 4	1.4MHz	20393	QPSK	1	5	High	22.95	-1.37	21.58	-999~30	PASS
Band 4	1.4MHz	20393	16QAM	1	5	High	21.96	-1.37	20.59	-999~30	PASS

Ban d4	1.4MH z	20393	QPS K	6	0	High	20.91	-1.37	19.5 4	-999~3 0	PAS S
Ban d4	1.4MH z	20393	16QA M	6	0	High	20.92	-1.37	19.5 5	-999~3 0	PAS S
Ban d4	3MHz	19965	QPS K	1	0	Low	22.46	-1.37	21.0 9	-999~3 0	PAS S
Ban d4	3MHz	19965	16QA M	1	0	Low	21.34	-1.37	19.9 7	-999~3 0	PAS S
Ban d4	3MHz	19965	QPS K	1	5	Low	22.74	-1.37	21.3 7	-999~3 0	PAS S
Ban d4	3MHz	19965	16QA M	1	5	Low	21.59	-1.37	20.2 2	-999~3 0	PAS S
Ban d4	3MHz	19965	QPS K	6	0	Low	20.61	-1.37	19.2 4	-999~3 0	PAS S
Ban d4	3MHz	19965	16QA M	6	0	Low	20.57	-1.37	19.2 0	-999~3 0	PAS S
Ban d4	3MHz	20175	QPS K	1	0	Low	22.55	-1.37	21.1 8	-999~3 0	PAS S
Ban d4	3MHz	20175	16QA M	1	0	Low	21.76	-1.37	20.3 9	-999~3 0	PAS S
Ban d4	3MHz	20175	QPS K	1	5	Low	22.84	-1.37	21.4 7	-999~3 0	PAS S
Ban d4	3MHz	20175	16QA M	1	5	Low	21.9	-1.37	20.5 3	-999~3 0	PAS S
Ban d4	3MHz	20175	QPS K	6	0	Low	20.8	-1.37	19.4 3	-999~3 0	PAS S
Ban d4	3MHz	20175	16QA M	6	0	Low	20.7	-1.37	19.3 3	-999~3 0	PAS S
Ban d4	3MHz	20385	QPS K	1	0	High	22.8	-1.37	21.4 3	-999~3 0	PAS S
Ban d4	3MHz	20385	16QA M	1	0	High	21.91	-1.37	20.5 4	-999~3 0	PAS S
Ban d4	3MHz	20385	QPS K	1	5	High	23.06	-1.37	21.6 9	-999~3 0	PAS S
Ban d4	3MHz	20385	16QA M	1	5	High	22.14	-1.37	20.7 7	-999~3 0	PAS S
Ban d4	3MHz	20385	QPS K	6	0	High	20.97	-1.37	19.6 0	-999~3 0	PAS S
Ban d4	3MHz	20385	16QA M	6	0	High	20.86	-1.37	19.4 9	-999~3 0	PAS S
Ban d4	5MHz	19975	QPS K	1	0	Low	22.43	-1.37	21.0 6	-999~3 0	PAS S

Ban d4	5MHz	19975	16QA M	1	0	Low	21.63	-1.37	20.2 6	-999~3 0	PAS S
Ban d4	5MHz	19975	QPS K	1	5	Low	22.69	-1.37	21.3 2	-999~3 0	PAS S
Ban d4	5MHz	19975	16QA M	1	5	Low	21.78	-1.37	20.4 1	-999~3 0	PAS S
Ban d4	5MHz	19975	QPS K	6	0	Low	21.6	-1.37	20.2 3	-999~3 0	PAS S
Ban d4	5MHz	19975	16QA M	6	0	Low	21.6	-1.37	20.2 3	-999~3 0	PAS S
Ban d4	5MHz	20175	QPS K	1	0	Low	22.55	-1.37	21.1 8	-999~3 0	PAS S
Ban d4	5MHz	20175	16QA M	1	0	Low	21.84	-1.37	20.4 7	-999~3 0	PAS S
Ban d4	5MHz	20175	QPS K	1	5	Low	22.72	-1.37	21.3 5	-999~3 0	PAS S
Ban d4	5MHz	20175	16QA M	1	5	Low	22.12	-1.37	20.7 5	-999~3 0	PAS S
Ban d4	5MHz	20175	QPS K	6	0	Low	21.74	-1.37	20.3 7	-999~3 0	PAS S
Ban d4	5MHz	20175	16QA M	6	0	Low	21.74	-1.37	20.3 7	-999~3 0	PAS S
Ban d4	5MHz	20375	QPS K	1	0	High	22.81	-1.37	21.4 4	-999~3 0	PAS S
Ban d4	5MHz	20375	16QA M	1	0	High	22.01	-1.37	20.6 4	-999~3 0	PAS S
Ban d4	5MHz	20375	QPS K	1	5	High	22.93	-1.37	21.5 6	-999~3 0	PAS S
Ban d4	5MHz	20375	16QA M	1	5	High	22.03	-1.37	20.6 6	-999~3 0	PAS S
Ban d4	5MHz	20375	QPS K	6	0	High	21.77	-1.37	20.4	-999~3 0	PAS S
Ban d4	5MHz	20375	16QA M	6	0	High	21.77	-1.37	20.4	-999~3 0	PAS S
Ban d4	10MHz	20000	QPS K	1	0	Low	22.53	-1.37	21.1 6	-999~3 0	PAS S
Ban d4	10MHz	20000	16QA M	1	0	Low	21.7	-1.37	20.3 3	-999~3 0	PAS S
Ban d4	10MHz	20000	QPS K	1	5	Low	22.78	-1.37	21.4 1	-999~3 0	PAS S
Ban d4	10MHz	20000	16QA M	1	5	Low	21.85	-1.37	20.4 8	-999~3 0	PAS S

Ban d4	10MHz	20000	QPS K	6	0	Low	21.64	-1.37	20.2 7	-999~3 0	PAS S
Ban d4	10MHz	20000	16QA M	6	0	Low	21.64	-1.37	20.2 7	-999~3 0	PAS S
Ban d4	10MHz	20175	QPS K	1	0	Low	22.64	-1.37	21.2 7	-999~3 0	PAS S
Ban d4	10MHz	20175	16QA M	1	0	Low	21.76	-1.37	20.3 9	-999~3 0	PAS S
Ban d4	10MHz	20175	QPS K	1	5	Low	22.66	-1.37	21.2 9	-999~3 0	PAS S
Ban d4	10MHz	20175	16QA M	1	5	Low	22.02	-1.37	20.6 5	-999~3 0	PAS S
Ban d4	10MHz	20175	QPS K	6	0	Low	21.78	-1.37	20.4 1	-999~3 0	PAS S
Ban d4	10MHz	20175	16QA M	6	0	Low	21.67	-1.37	20.3 0	-999~3 0	PAS S
Ban d4	10MHz	20350	QPS K	1	0	High	22.83	-1.37	21.4 6	-999~3 0	PAS S
Ban d4	10MHz	20350	16QA M	1	0	High	22.03	-1.37	20.6 6	-999~3 0	PAS S
Ban d4	10MHz	20350	QPS K	1	5	High	22.94	-1.37	21.5 7	-999~3 0	PAS S
Ban d4	10MHz	20350	16QA M	1	5	High	22.04	-1.37	20.6 7	-999~3 0	PAS S
Ban d4	10MHz	20350	QPS K	6	0	High	21.78	-1.37	20.4 1	-999~3 0	PAS S
Ban d4	10MHz	20350	16QA M	6	0	High	21.78	-1.37	20.4 1	-999~3 0	PAS S
Ban d4	15MHz	20025	QPS K	1	0	Low	22.55	-1.37	21.1 8	-999~3 0	PAS S
Ban d4	15MHz	20025	16QA M	1	0	Low	21.71	-1.37	20.3 4	-999~3 0	PAS S
Ban d4	15MHz	20025	QPS K	1	5	Low	22.79	-1.37	21.4 2	-999~3 0	PAS S
Ban d4	15MHz	20025	16QA M	1	5	Low	21.83	-1.37	20.4 6	-999~3 0	PAS S
Ban d4	15MHz	20025	QPS K	6	0	Low	22.57	-1.37	21.2 0	-999~3 0	PAS S
Ban d4	15MHz	20025	16QA M	6	0	Low	22.62	-1.37	21.2 5	-999~3 0	PAS S
Ban d4	15MHz	20175	QPS K	1	0	Low	22.6	-1.37	21.2 3	-999~3 0	PAS S

Ban d4	15MHz	20175	16QA M	1	0	Low	21.71	-1.37	20.3 4	-999~3 0	PAS S
Ban d4	15MHz	20175	QPS K	1	5	Low	22.73	-1.37	21.3 6	-999~3 0	PAS S
Ban d4	15MHz	20175	16QA M	1	5	Low	22.03	-1.37	20.6 6	-999~3 0	PAS S
Ban d4	15MHz	20175	QPS K	6	0	Low	22.66	-1.37	21.2 9	-999~3 0	PAS S
Ban d4	15MHz	20175	16QA M	6	0	Low	22.66	-1.37	21.2 9	-999~3 0	PAS S
Ban d4	15MHz	20325	QPS K	1	0	High	22.76	-1.37	21.3 9	-999~3 0	PAS S
Ban d4	15MHz	20325	16QA M	1	0	High	22.02	-1.37	20.6 5	-999~3 0	PAS S
Ban d4	15MHz	20325	QPS K	1	5	High	22.93	-1.37	21.5 6	-999~3 0	PAS S
Ban d4	15MHz	20325	16QA M	1	5	High	22.05	-1.37	20.6 8	-999~3 0	PAS S
Ban d4	15MHz	20325	QPS K	6	0	High	22.79	-1.37	21.4 2	-999~3 0	PAS S
Ban d4	15MHz	20325	16QA M	6	0	High	22.78	-1.37	21.4 1	-999~3 0	PAS S
Ban d4	20MHz	20050	QPS K	1	0	Low	22.56	-1.37	21.1 9	-999~3 0	PAS S
Ban d4	20MHz	20050	16QA M	1	0	Low	21.78	-1.37	20.4 1	-999~3 0	PAS S
Ban d4	20MHz	20050	QPS K	1	5	Low	22.85	-1.37	21.4 8	-999~3 0	PAS S
Ban d4	20MHz	20050	16QA M	1	5	Low	21.84	-1.37	20.4 7	-999~3 0	PAS S
Ban d4	20MHz	20050	QPS K	6	0	Low	22.7	-1.37	21.3 3	-999~3 0	PAS S
Ban d4	20MHz	20050	16QA M	6	0	Low	22.7	-1.37	21.3 3	-999~3 0	PAS S
Ban d4	20MHz	20175	QPS K	1	0	Low	22.57	-1.37	21.2	-999~3 0	PAS S
Ban d4	20MHz	20175	16QA M	1	0	Low	21.81	-1.37	20.4 4	-999~3 0	PAS S
Ban d4	20MHz	20175	QPS K	1	5	Low	22.76	-1.37	21.3 9	-999~3 0	PAS S
Ban d4	20MHz	20175	16QA M	1	5	Low	22.1	-1.37	20.7 3	-999~3 0	PAS S

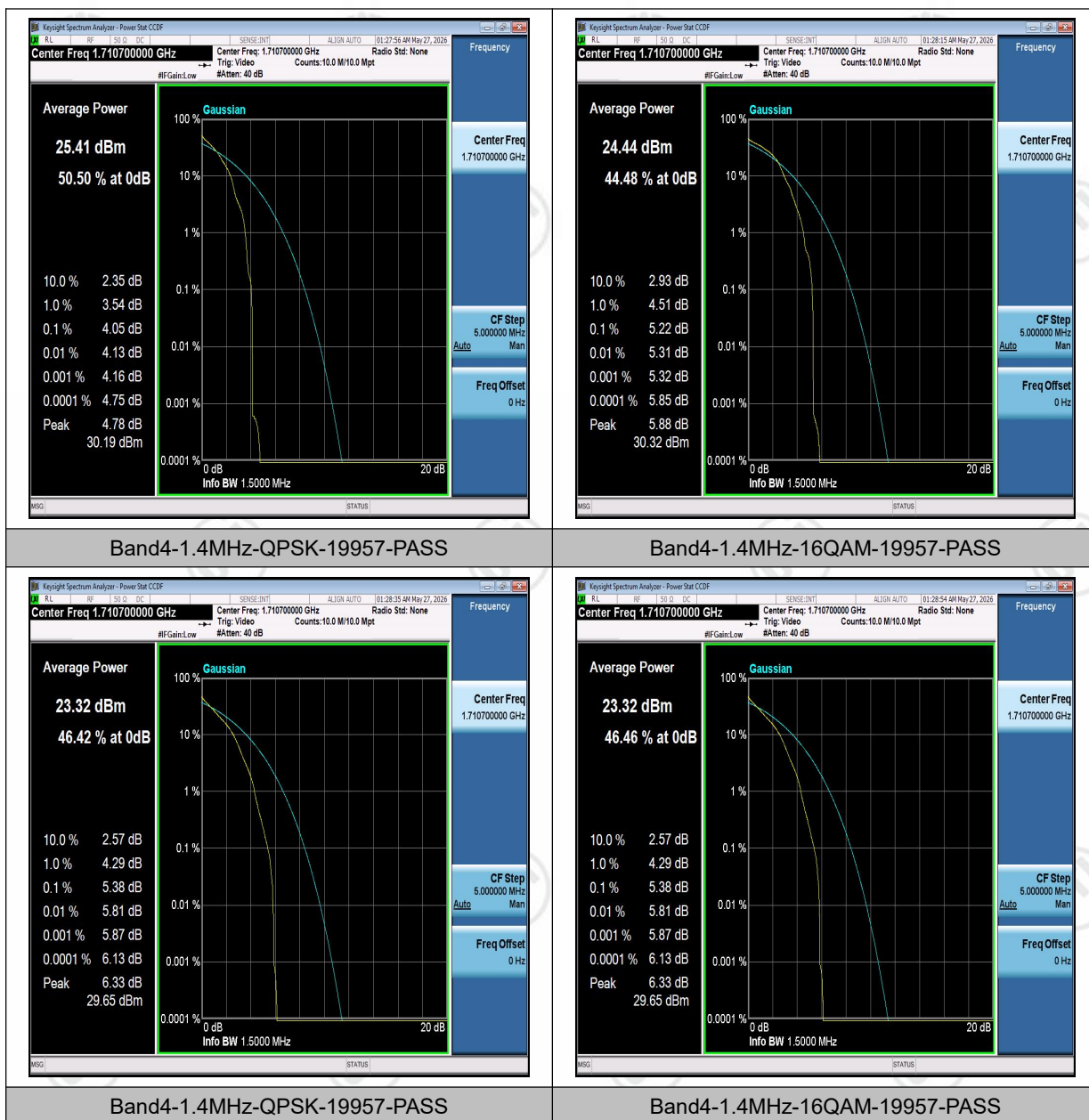
Ban d4	20MHz	20175	QPS K	6	0	Low	22.73	-1.37	21.3 6	-999~3 0	PAS S
Ban d4	20MHz	20175	16QA M	6	0	Low	22.73	-1.37	21.3 6	-999~3 0	PAS S
Ban d4	20MHz	20300	QPS K	1	0	High	23.19	-1.37	21.8 2	-999~3 0	PAS S
Ban d4	20MHz	20300	16QA M	1	0	High	22.4	-1.37	21.0 3	-999~3 0	PAS S
Ban d4	20MHz	20300	QPS K	1	5	High	23.46	-1.37	22.0 9	-999~3 0	PAS S
Ban d4	20MHz	20300	16QA M	1	5	High	22.39	-1.37	21.0 2	-999~3 0	PAS S
Ban d4	20MHz	20300	QPS K	6	0	High	23.23	-1.37	21.8 6	-999~3 0	PAS S
Ban d4	20MHz	20300	16QA M	6	0	High	23.22	-1.37	21.8 5	-999~3 0	PAS S

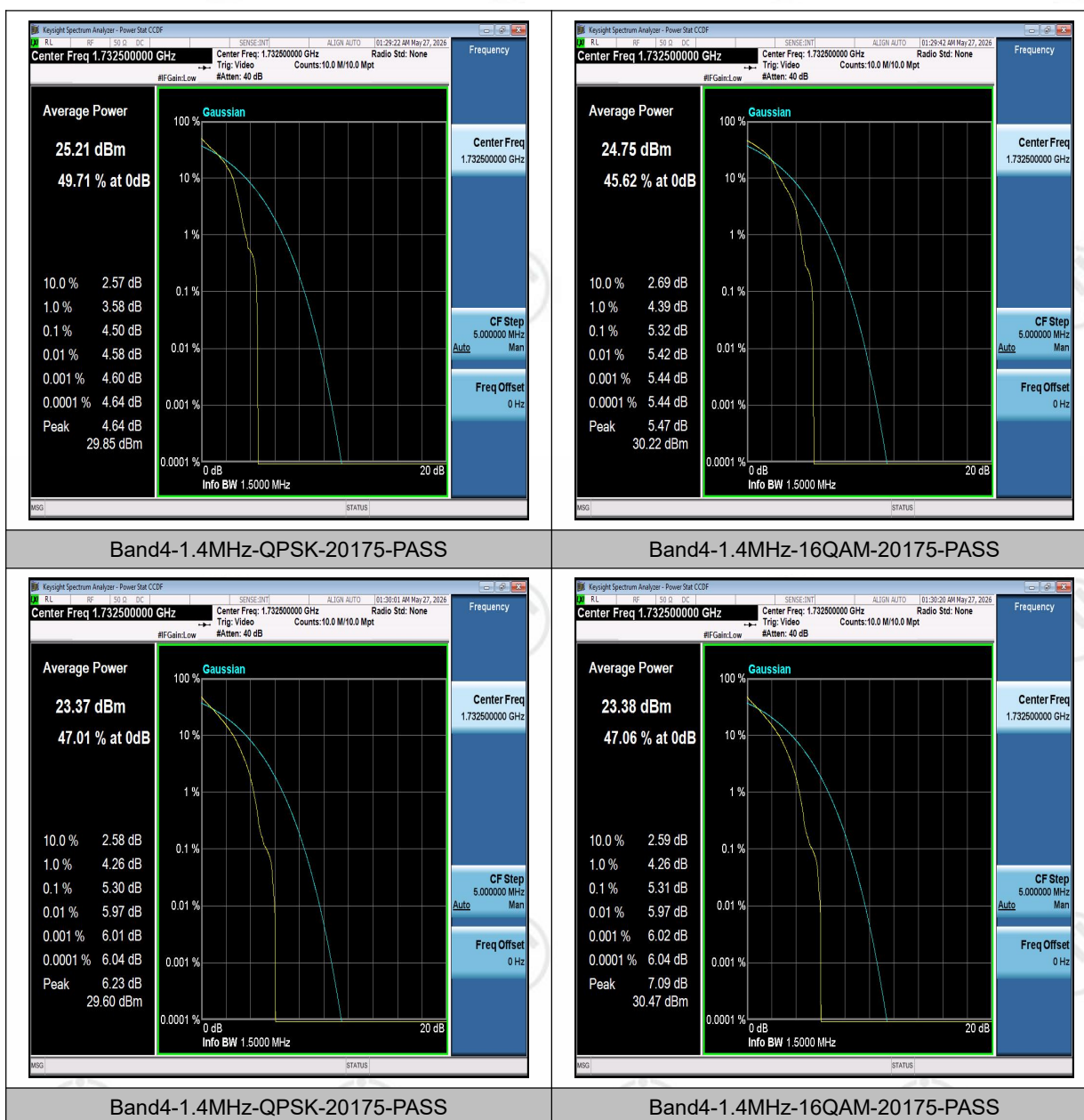
Appendix B: Peak-to-Average Ratio(CCDF) for M1**Test Result**

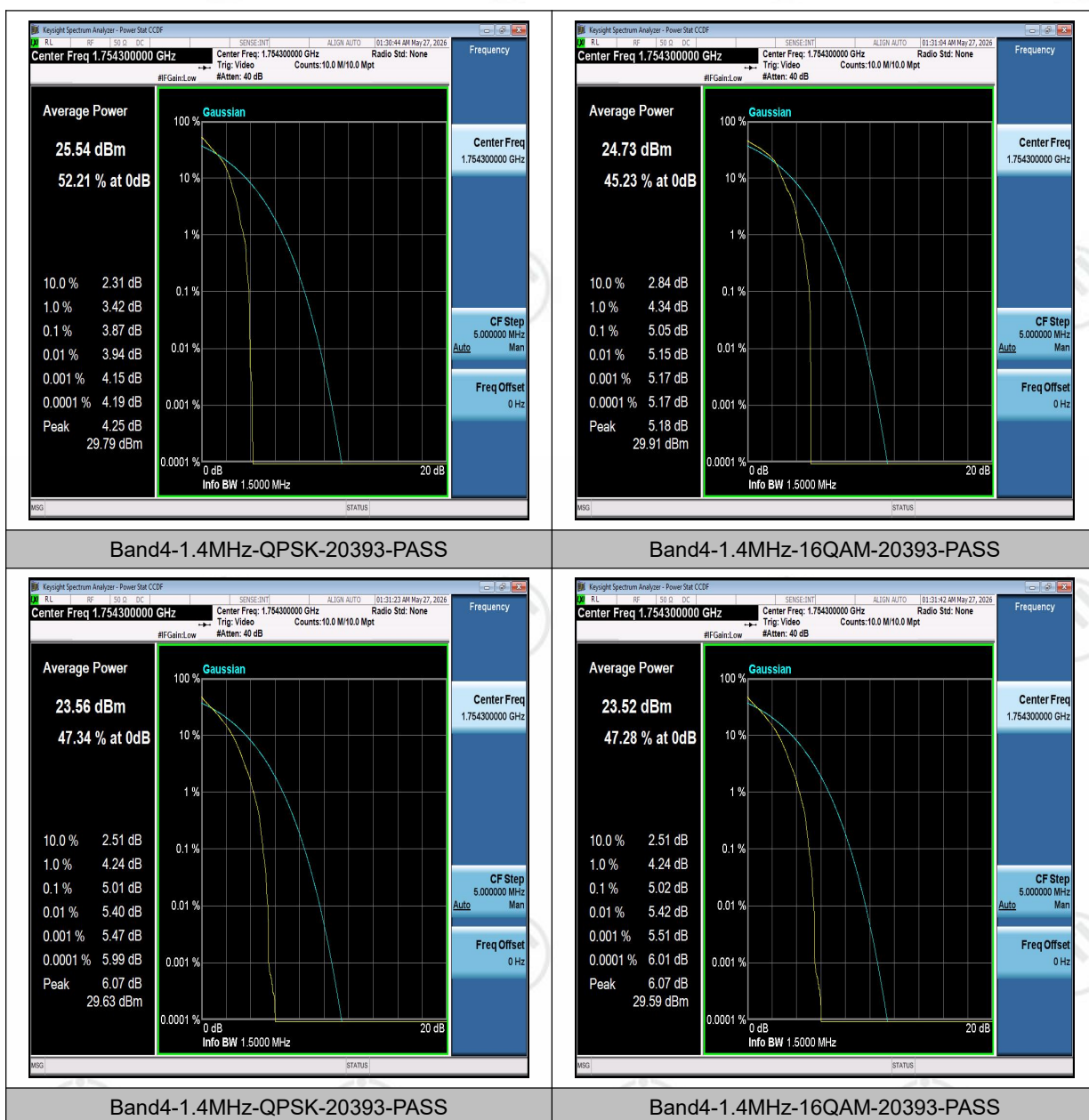
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	19957	QPSK	1	0	Low	4.05	<=13	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	5.22	<=13	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	5.38	<=13	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	5.38	<=13	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	4.50	<=13	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	5.32	<=13	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	5.30	<=13	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	5.31	<=13	PASS
Band4	1.4MHz	20393	QPSK	1	0	High	3.87	<=13	PASS
Band4	1.4MHz	20393	16QAM	1	0	High	5.05	<=13	PASS
Band4	1.4MHz	20393	QPSK	6	0	High	5.01	<=13	PASS
Band4	1.4MHz	20393	16QAM	6	0	High	5.02	<=13	PASS
Band4	3MHz	19965	QPSK	1	0	Low	4.61	<=13	PASS
Band4	3MHz	19965	16QAM	1	0	Low	5.36	<=13	PASS
Band4	3MHz	19965	QPSK	6	0	Low	5.35	<=13	PASS
Band4	3MHz	19965	16QAM	6	0	Low	5.35	<=13	PASS
Band4	3MHz	20175	QPSK	1	0	Low	4.17	<=13	PASS
Band4	3MHz	20175	16QAM	1	0	Low	5.37	<=13	PASS
Band4	3MHz	20175	QPSK	6	0	Low	5.15	<=13	PASS
Band4	3MHz	20175	16QAM	6	0	Low	5.12	<=13	PASS
Band4	3MHz	20385	QPSK	1	0	High	3.84	<=13	PASS
Band4	3MHz	20385	16QAM	1	0	High	4.68	<=13	PASS
Band4	3MHz	20385	QPSK	6	0	High	5.11	<=13	PASS
Band4	3MHz	20385	16QAM	6	0	High	5.14	<=13	PASS
Band4	5MHz	19975	QPSK	1	0	Low	4.33	<=13	PASS
Band4	5MHz	19975	16QAM	1	0	Low	6.30	<=13	PASS
Band4	5MHz	19975	QPSK	6	0	Low	4.64	<=13	PASS
Band4	5MHz	19975	16QAM	6	0	Low	4.65	<=13	PASS
Band4	5MHz	20175	QPSK	1	0	Low	4.43	<=13	PASS
Band4	5MHz	20175	16QAM	1	0	Low	5.79	<=13	PASS
Band4	5MHz	20175	QPSK	6	0	Low	4.80	<=13	PASS
Band4	5MHz	20175	16QAM	6	0	Low	4.79	<=13	PASS
Band4	5MHz	20375	QPSK	1	0	High	4.40	<=13	PASS
Band4	5MHz	20375	16QAM	1	0	High	5.37	<=13	PASS

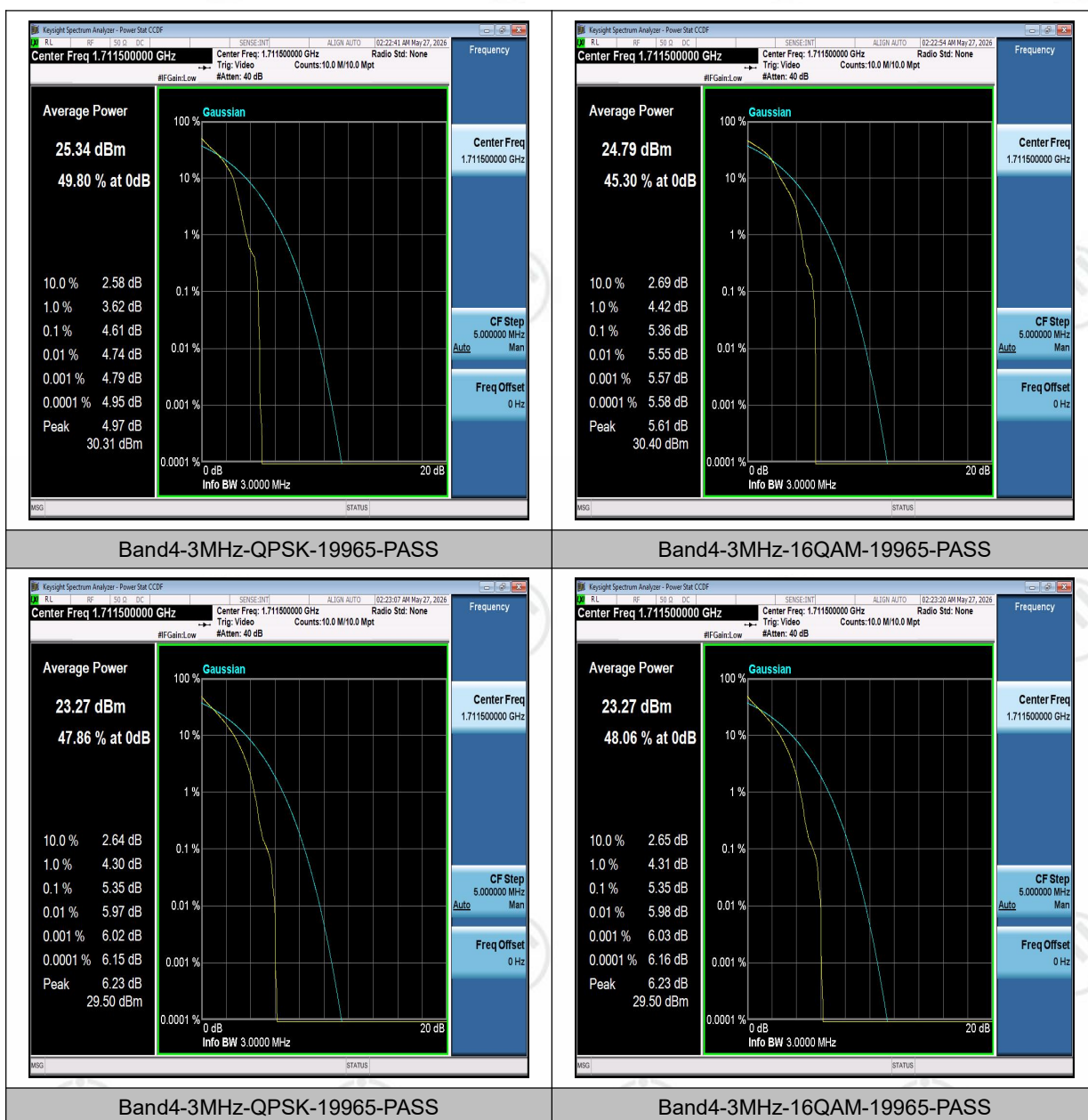
Band4	5MHz	20375	QPSK	6	0	High	4.66	<=13	PASS
Band4	5MHz	20375	16QAM	6	0	High	4.67	<=13	PASS
Band4	10MHz	20000	QPSK	1	0	Low	4.69	<=13	PASS
Band4	10MHz	20000	16QAM	1	0	Low	6.36	<=13	PASS
Band4	10MHz	20000	QPSK	6	0	Low	4.86	<=13	PASS
Band4	10MHz	20000	16QAM	6	0	Low	4.89	<=13	PASS
Band4	10MHz	20175	QPSK	1	0	Low	4.46	<=13	PASS
Band4	10MHz	20175	16QAM	1	0	Low	5.92	<=13	PASS
Band4	10MHz	20175	QPSK	6	0	Low	5.28	<=13	PASS
Band4	10MHz	20175	16QAM	6	0	Low	5.21	<=13	PASS
Band4	10MHz	20350	QPSK	1	0	High	4.39	<=13	PASS
Band4	10MHz	20350	16QAM	1	0	High	6.13	<=13	PASS
Band4	10MHz	20350	QPSK	6	0	High	4.99	<=13	PASS
Band4	10MHz	20350	16QAM	6	0	High	5.12	<=13	PASS
Band4	15MHz	20025	QPSK	1	0	Low	4.58	<=13	PASS
Band4	15MHz	20025	16QAM	1	0	Low	6.39	<=13	PASS
Band4	15MHz	20025	QPSK	6	0	Low	4.80	<=13	PASS
Band4	15MHz	20025	16QAM	6	0	Low	4.77	<=13	PASS
Band4	15MHz	20175	QPSK	1	0	Low	4.63	<=13	PASS
Band4	15MHz	20175	16QAM	1	0	Low	6.10	<=13	PASS
Band4	15MHz	20175	QPSK	6	0	Low	5.10	<=13	PASS
Band4	15MHz	20175	16QAM	6	0	Low	5.15	<=13	PASS
Band4	15MHz	20325	QPSK	1	0	High	4.62	<=13	PASS
Band4	15MHz	20325	16QAM	1	0	High	5.65	<=13	PASS
Band4	15MHz	20325	QPSK	6	0	High	5.31	<=13	PASS
Band4	15MHz	20325	16QAM	6	0	High	5.29	<=13	PASS
Band4	20MHz	20050	QPSK	1	0	Low	4.42	<=13	PASS
Band4	20MHz	20050	16QAM	1	0	Low	6.19	<=13	PASS
Band4	20MHz	20050	QPSK	6	0	Low	4.70	<=13	PASS
Band4	20MHz	20050	16QAM	6	0	Low	4.66	<=13	PASS
Band4	20MHz	20175	QPSK	1	0	Low	4.55	<=13	PASS
Band4	20MHz	20175	16QAM	1	0	Low	5.95	<=13	PASS
Band4	20MHz	20175	QPSK	6	0	Low	4.78	<=13	PASS
Band4	20MHz	20175	16QAM	6	0	Low	4.84	<=13	PASS
Band4	20MHz	20300	QPSK	1	0	High	4.51	<=13	PASS
Band4	20MHz	20300	16QAM	1	0	High	5.45	<=13	PASS
Band4	20MHz	20300	QPSK	6	0	High	4.65	<=13	PASS
Band4	20MHz	20300	16QAM	6	0	High	4.63	<=13	PASS

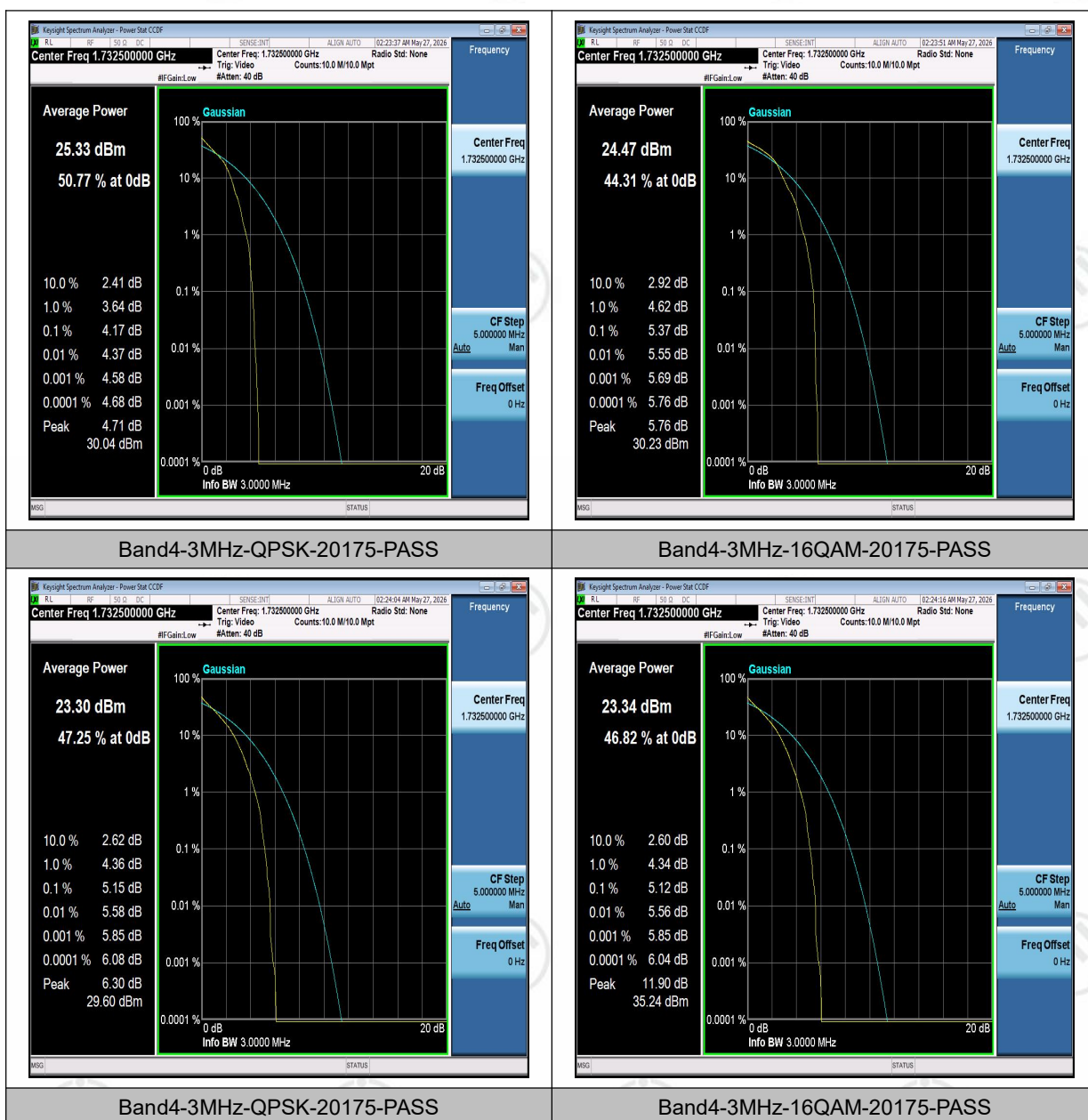
Test Graphs

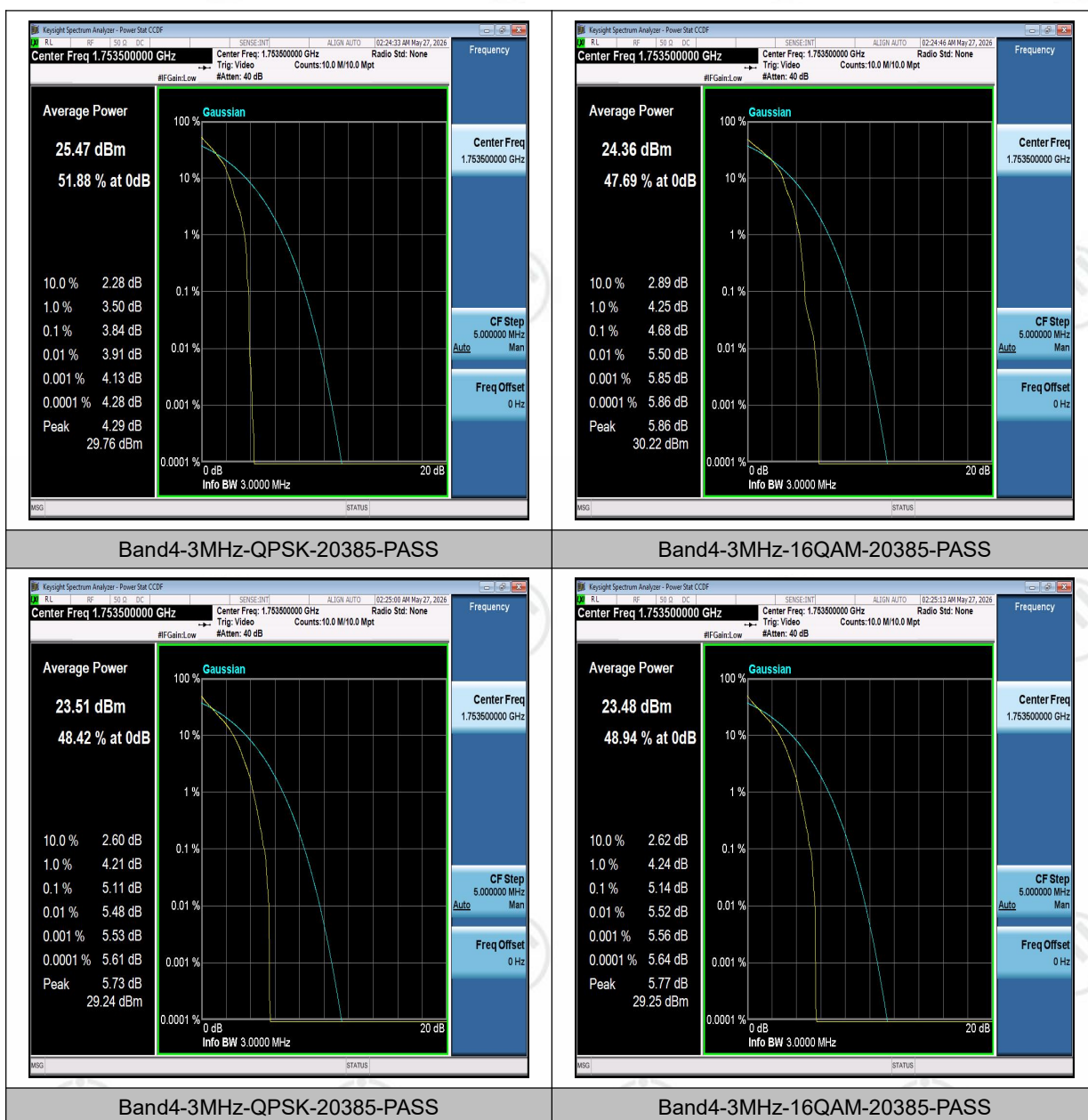






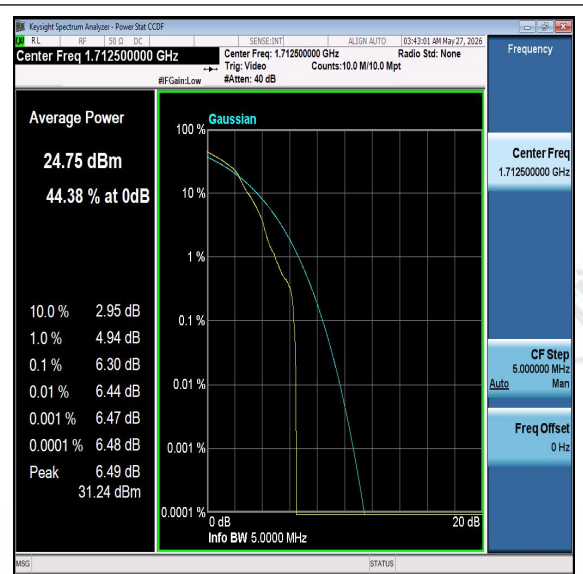








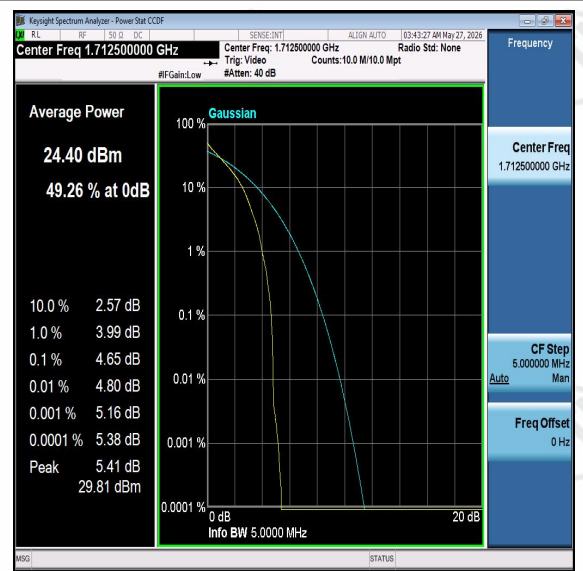
Band4-5MHz-QPSK-19975-PASS



Band4-5MHz-16QAM-19975-PASS



Band4-5MHz-QPSK-19975-PASS



Band4-5MHz-16QAM-19975-PASS

