

FCC Appendix RF Test Data for LTE Band 66

Company: : Yulong Computer Telecommunication Scientific
(Shenzhen) Co., Ltd

EUT : Smart Phone

Model Number : K21

FCC ID : R38YLCPK21

Report No. : CTA25091901812

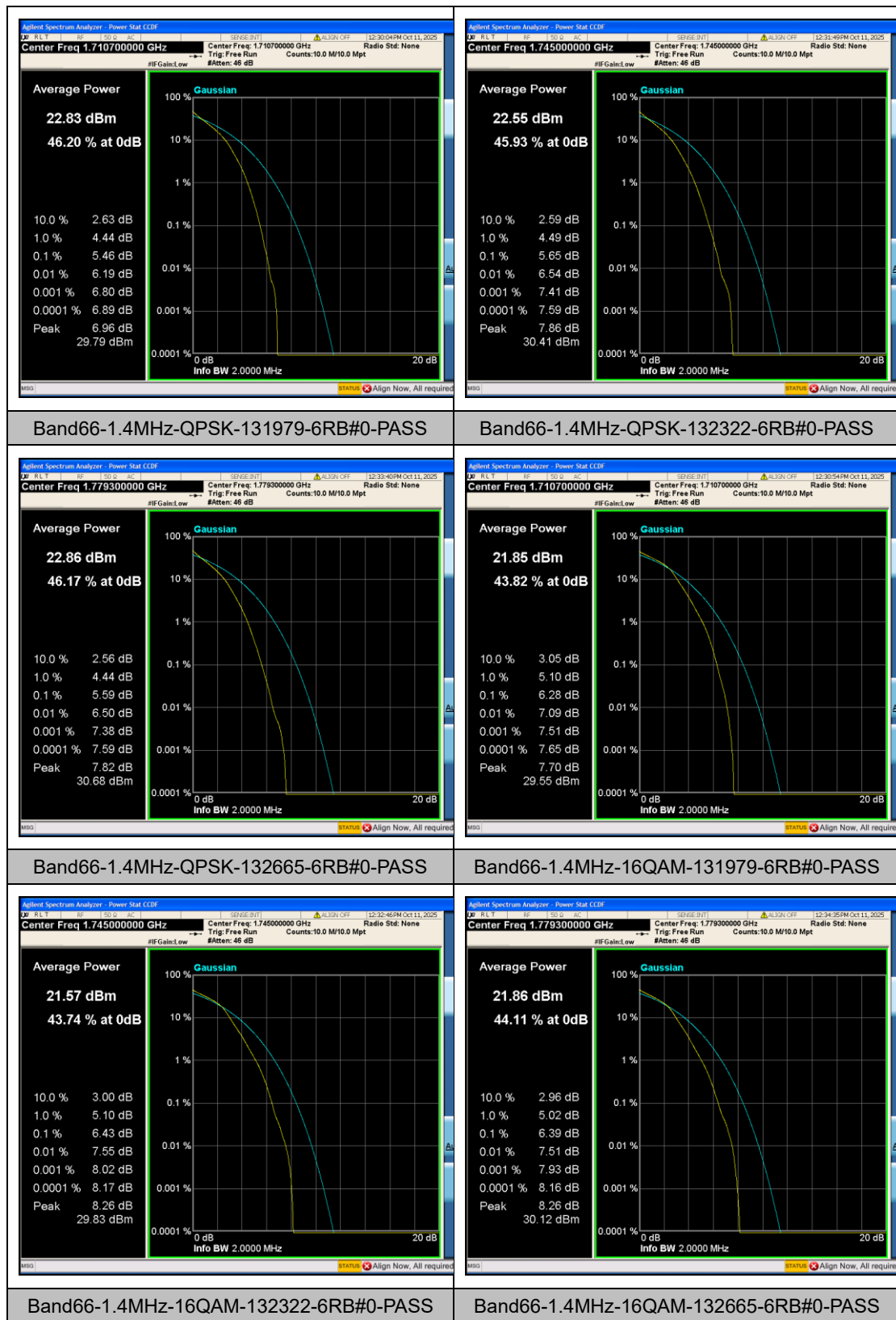
Reviewed By : Eric Wang

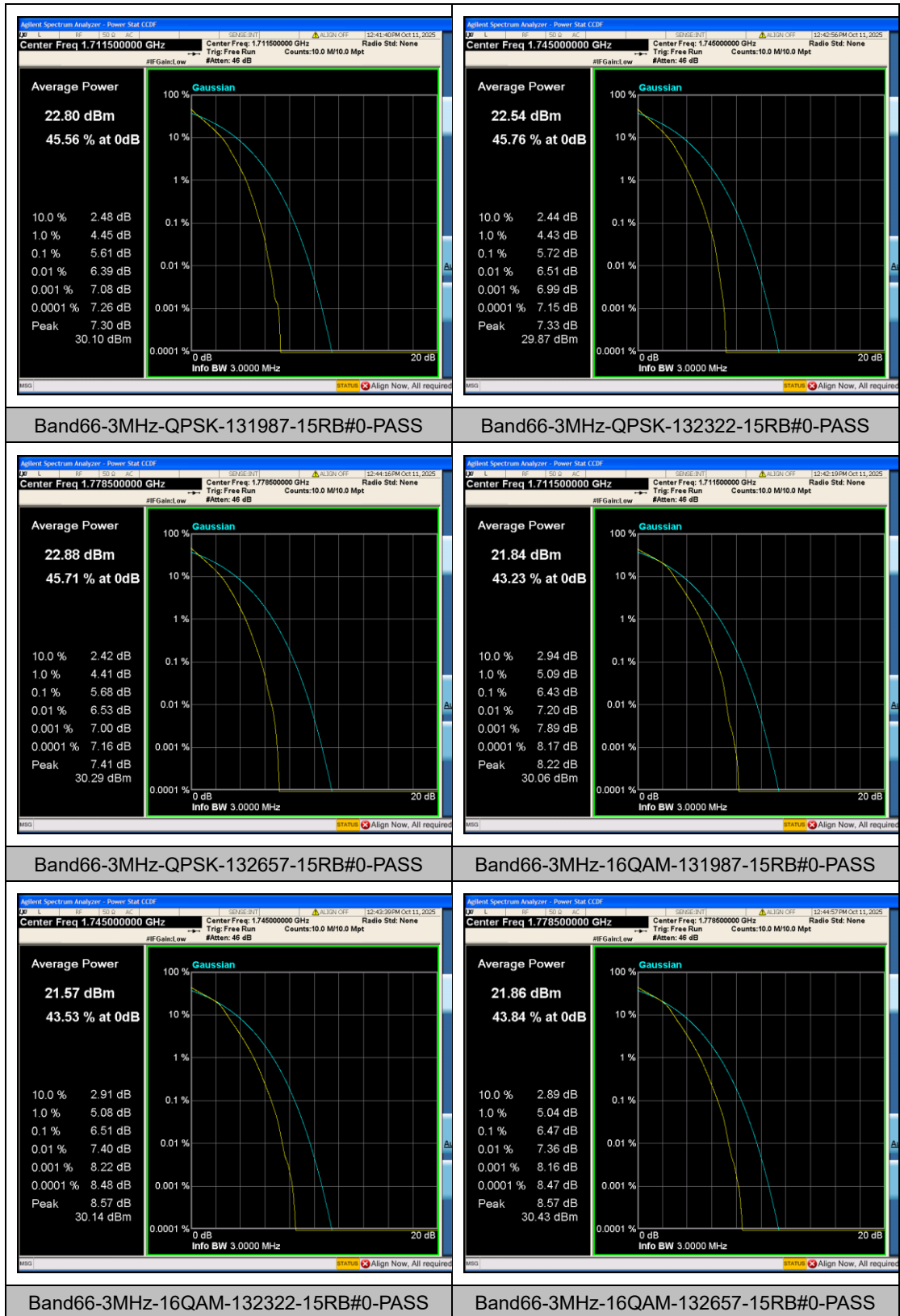
Appendix B: Peak-to-Average Ratio(CCDF)

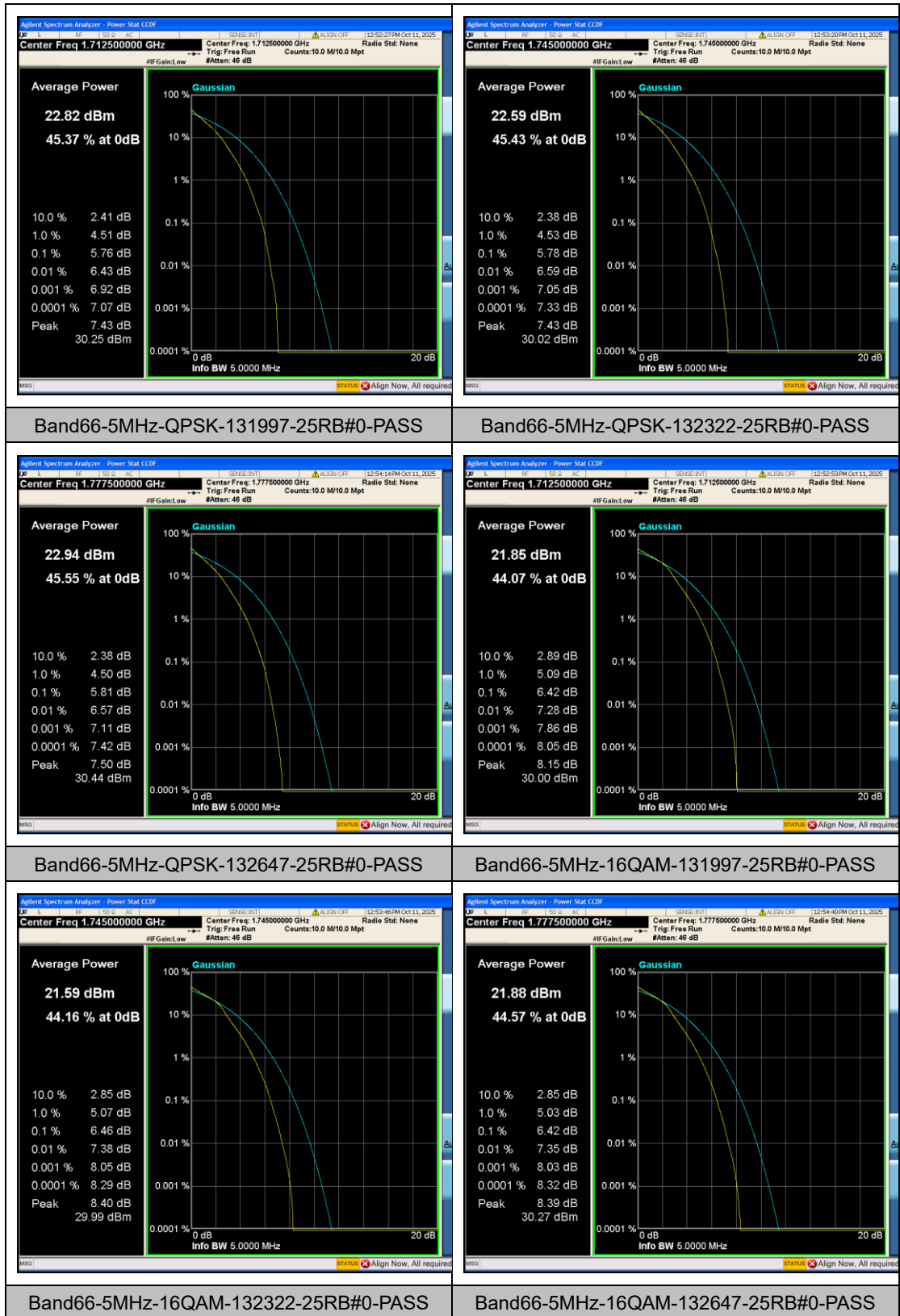
Test Result

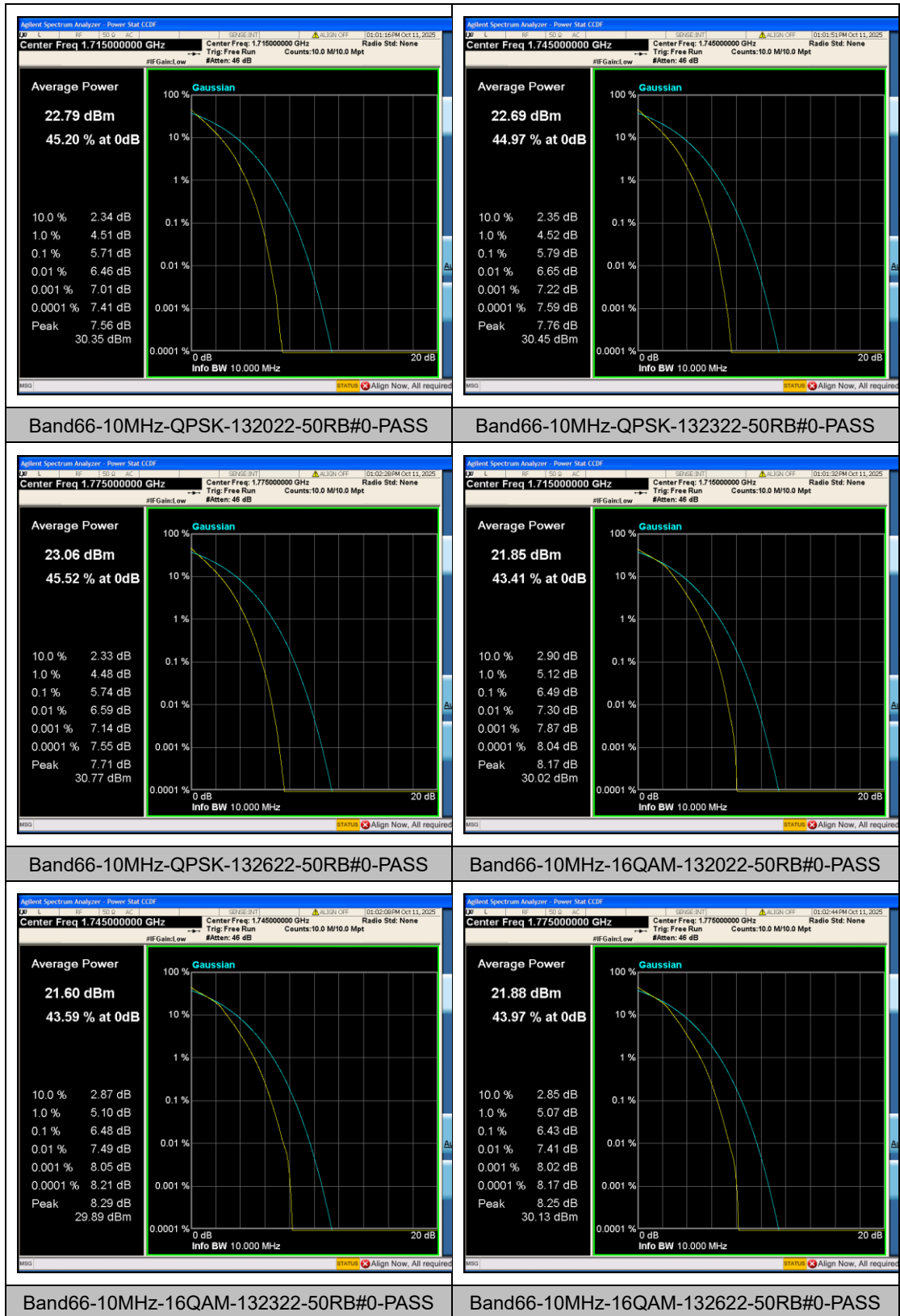
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	5.46	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.65	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	5.59	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	6.28	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	6.43	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	6.39	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.61	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.72	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	5.68	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.43	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	6.51	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	6.47	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.76	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.78	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	5.81	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.42	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	6.46	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	6.42	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.71	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	5.79	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	5.74	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	6.49	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	6.48	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	6.43	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	6.06	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	6.11	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	6.06	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	6.57	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	6.57	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	6.53	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.65	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.73	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.65	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.47	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.50	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.43	13	PASS

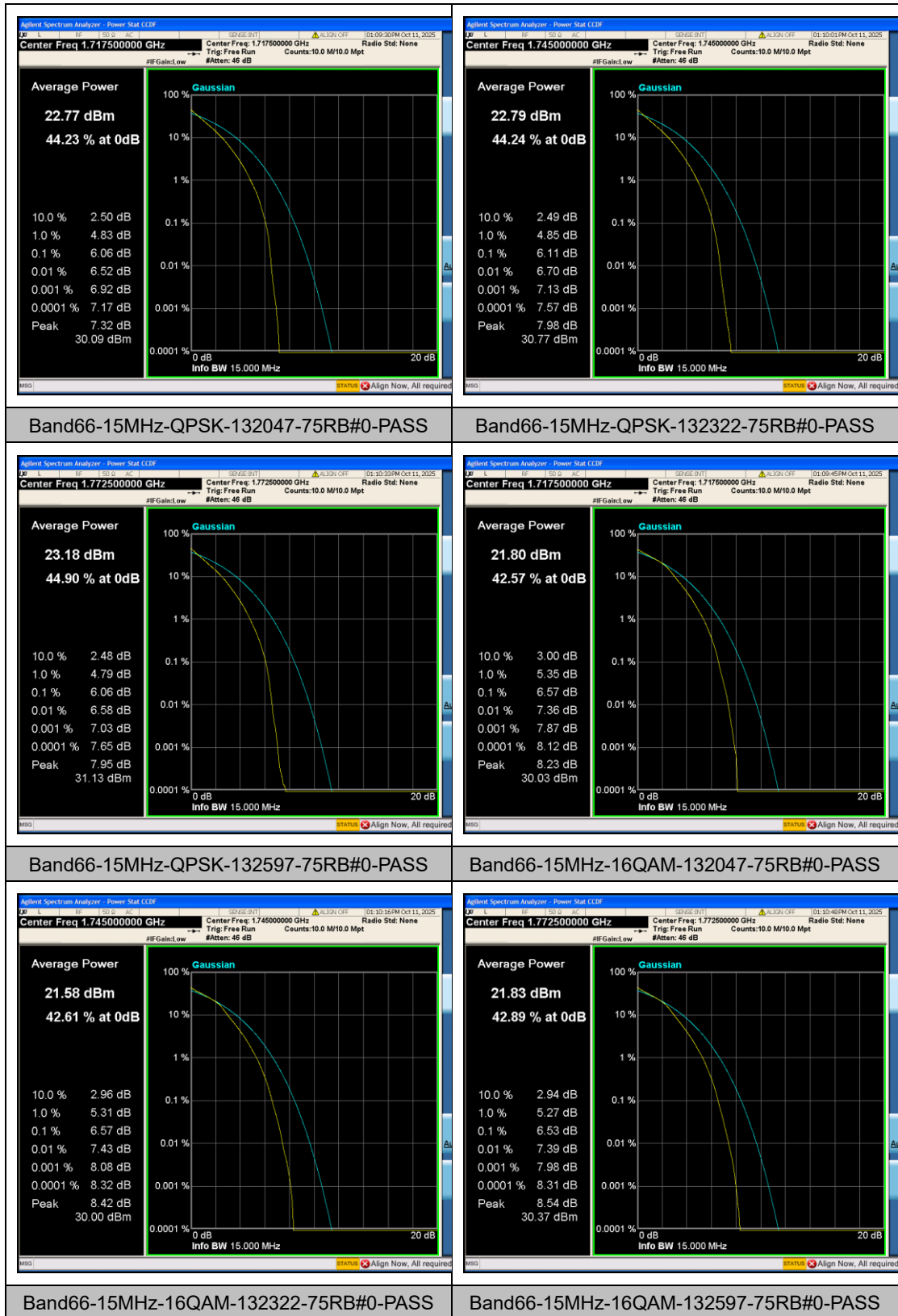
Test Graphs

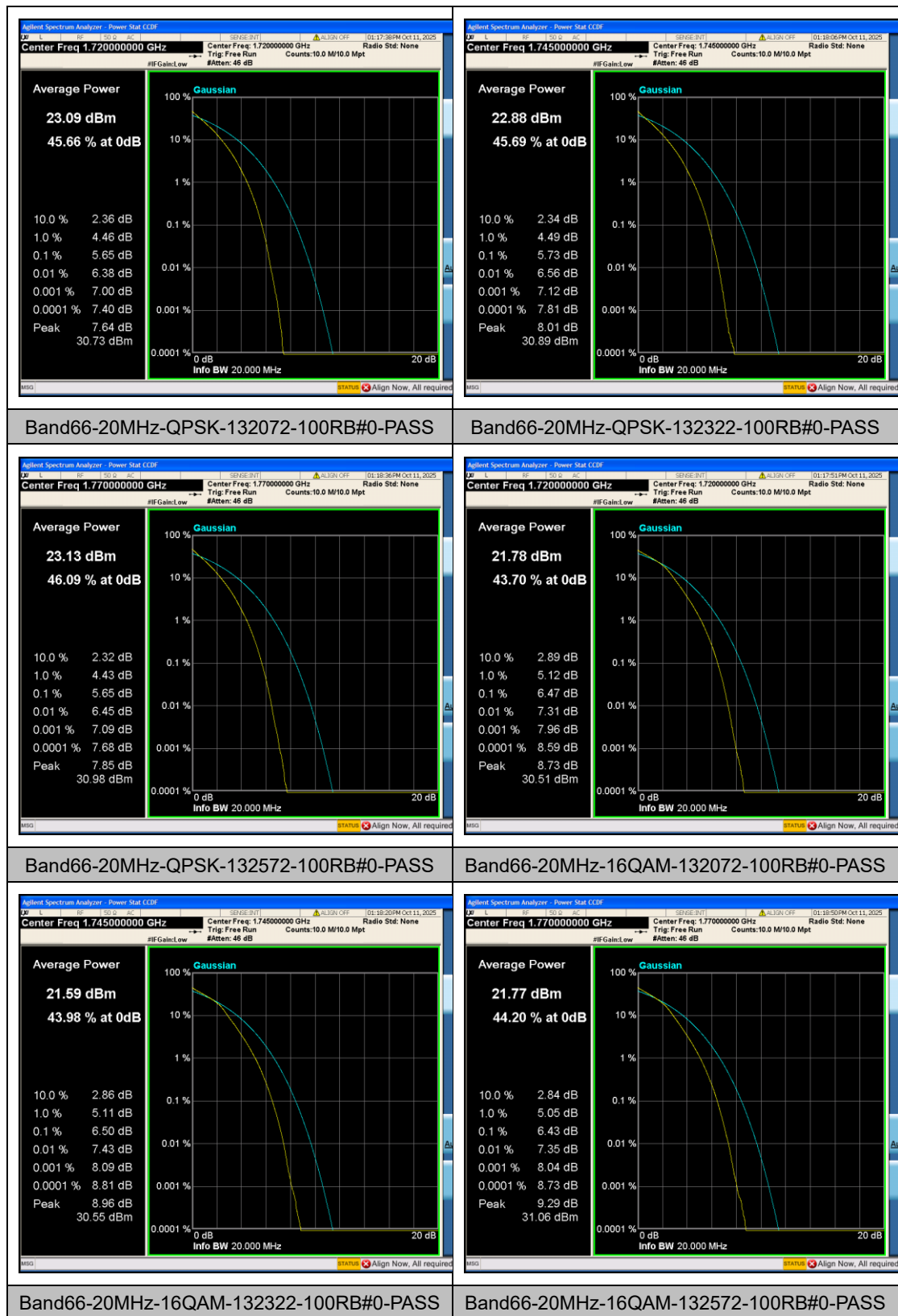












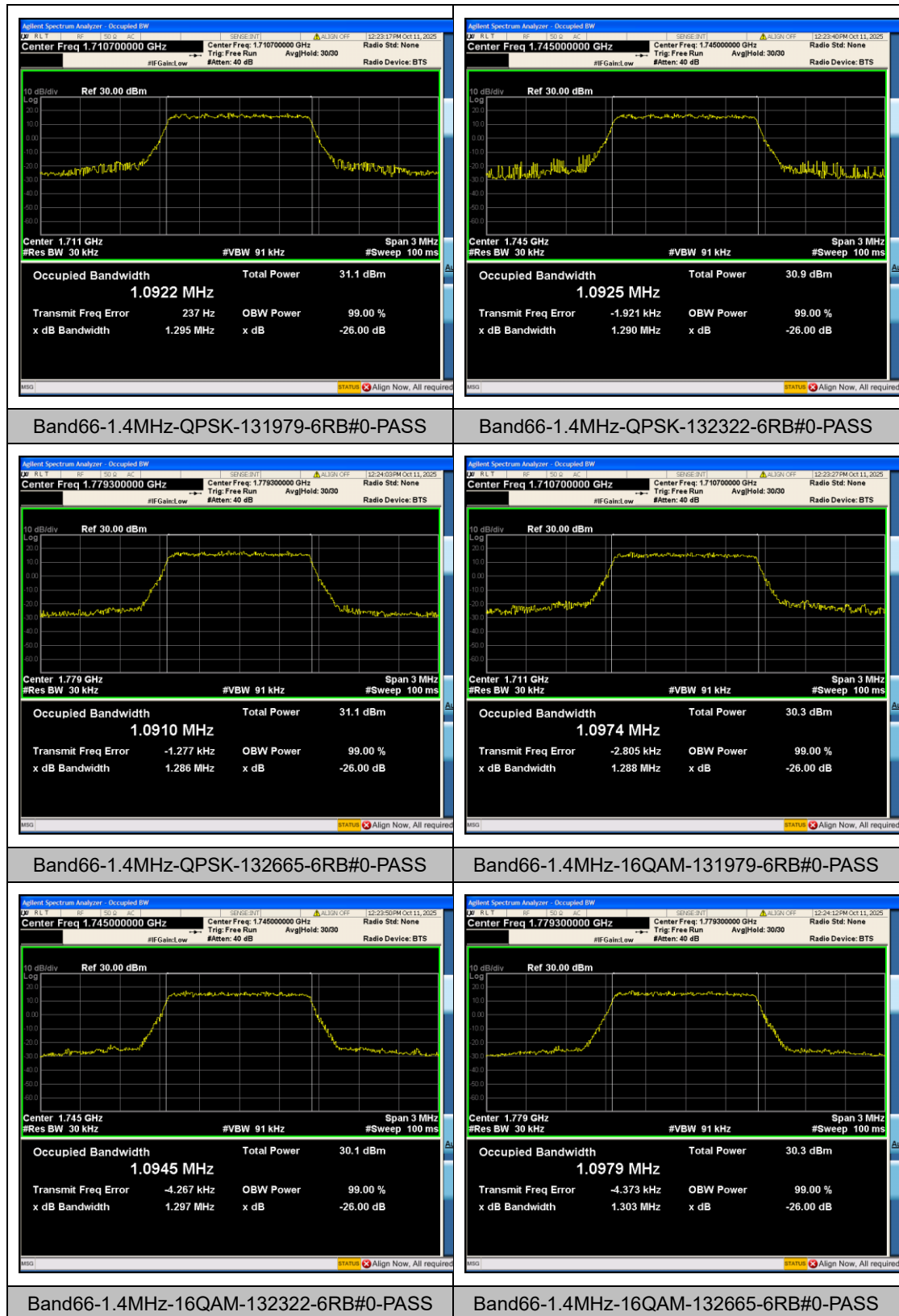
Appendix C: 26dB Bandwidth and Occupied Bandwidth

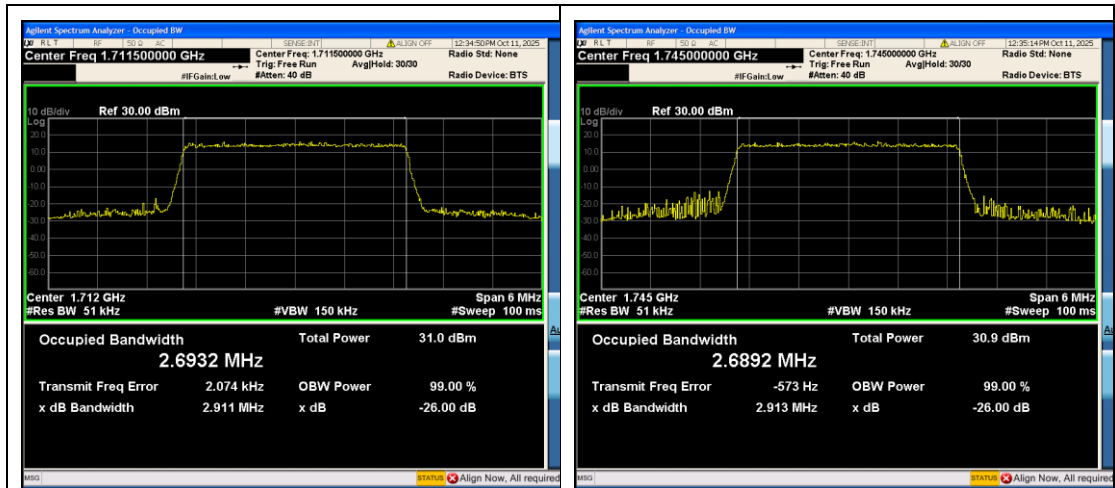
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0922	1.295	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0925	1.290	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0910	1.286	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0974	1.288	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0945	1.297	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0979	1.303	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6932	2.911	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6892	2.913	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6879	2.916	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6799	2.906	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6790	2.911	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6815	2.890	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5214	5.169	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5244	5.197	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5218	5.184	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5180	5.107	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5224	5.121	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5202	5.113	PASS
Band66	10MHz	QPSK	132022	50RB#0	9.0148	10.17	PASS
Band66	10MHz	QPSK	132322	50RB#0	9.0121	10.21	PASS
Band66	10MHz	QPSK	132622	50RB#0	9.0038	10.16	PASS
Band66	10MHz	16QAM	132022	50RB#0	9.0052	10.01	PASS
Band66	10MHz	16QAM	132322	50RB#0	9.0107	10.02	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9998	9.999	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.518	15.03	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.534	15.23	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.525	15.14	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.509	15.10	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.511	15.12	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.480	15.02	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.942	19.60	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.976	19.84	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.973	19.66	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.992	19.76	PASS

Band66	20MHz	16QAM	132322	100RB#0	18.029	19.81	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.955	19.78	PASS

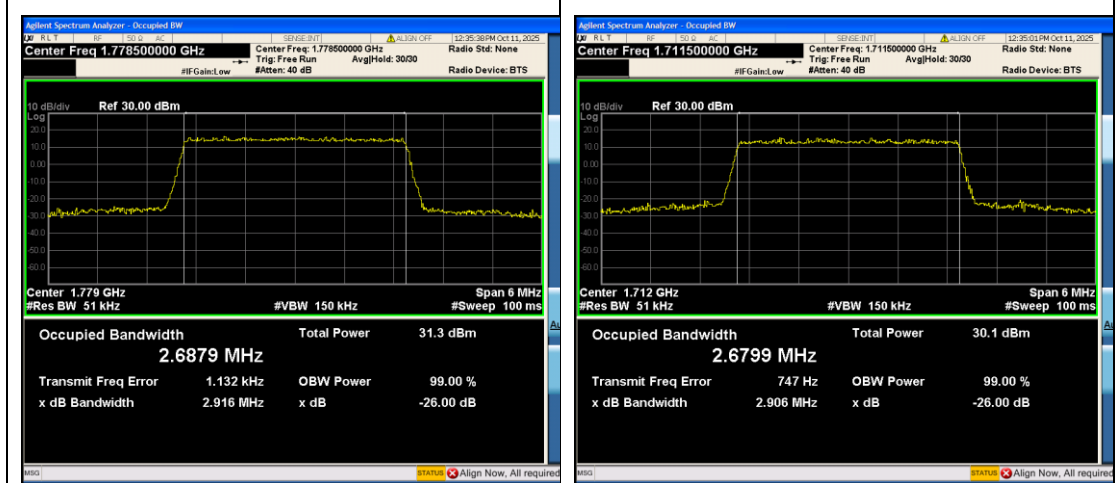
Test Graphs





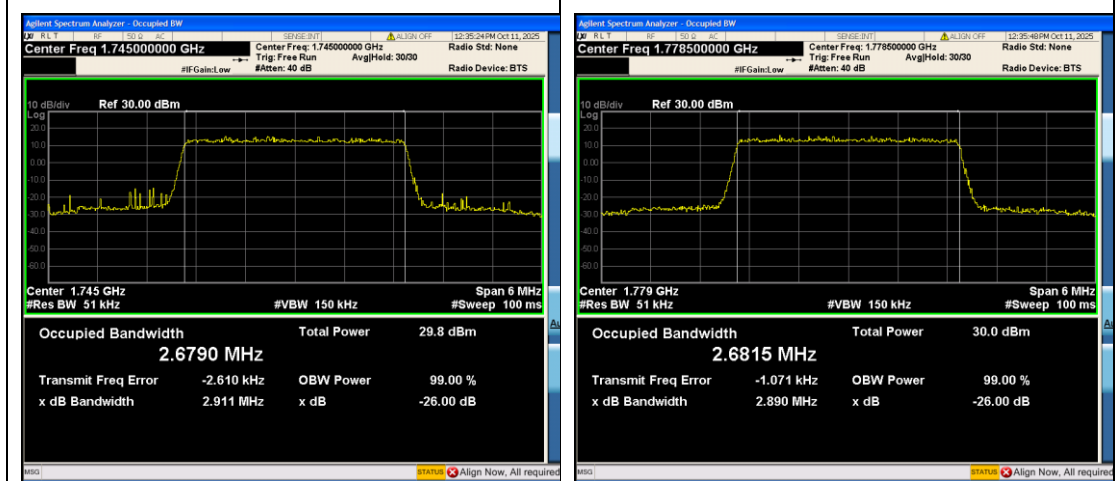
Band66-3MHz-QPSK-131987-15RB#0-PASS

Band66-3MHz-QPSK-132322-15RB#0-PASS



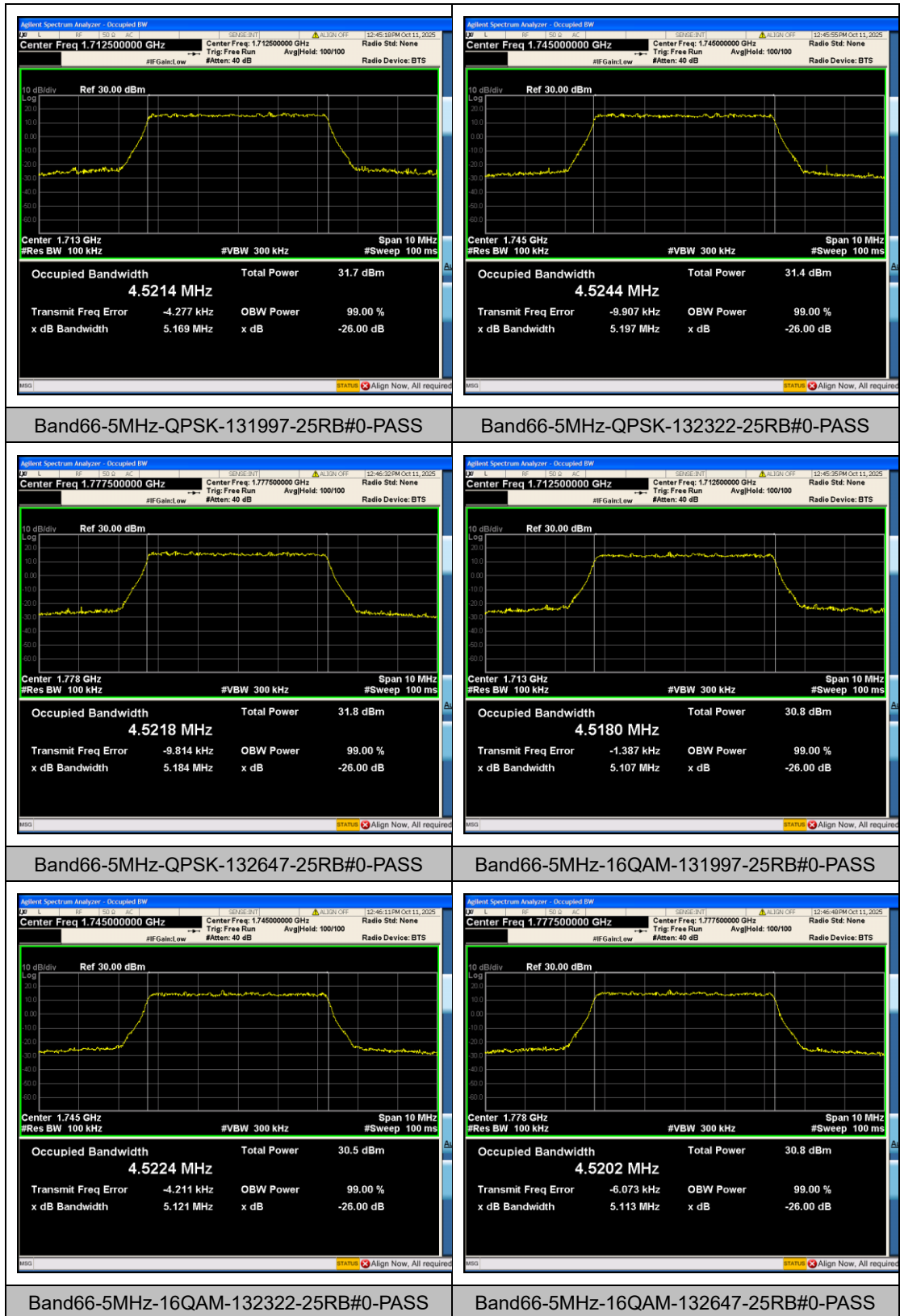
Band66-3MHz-QPSK-132657-15RB#0-PASS

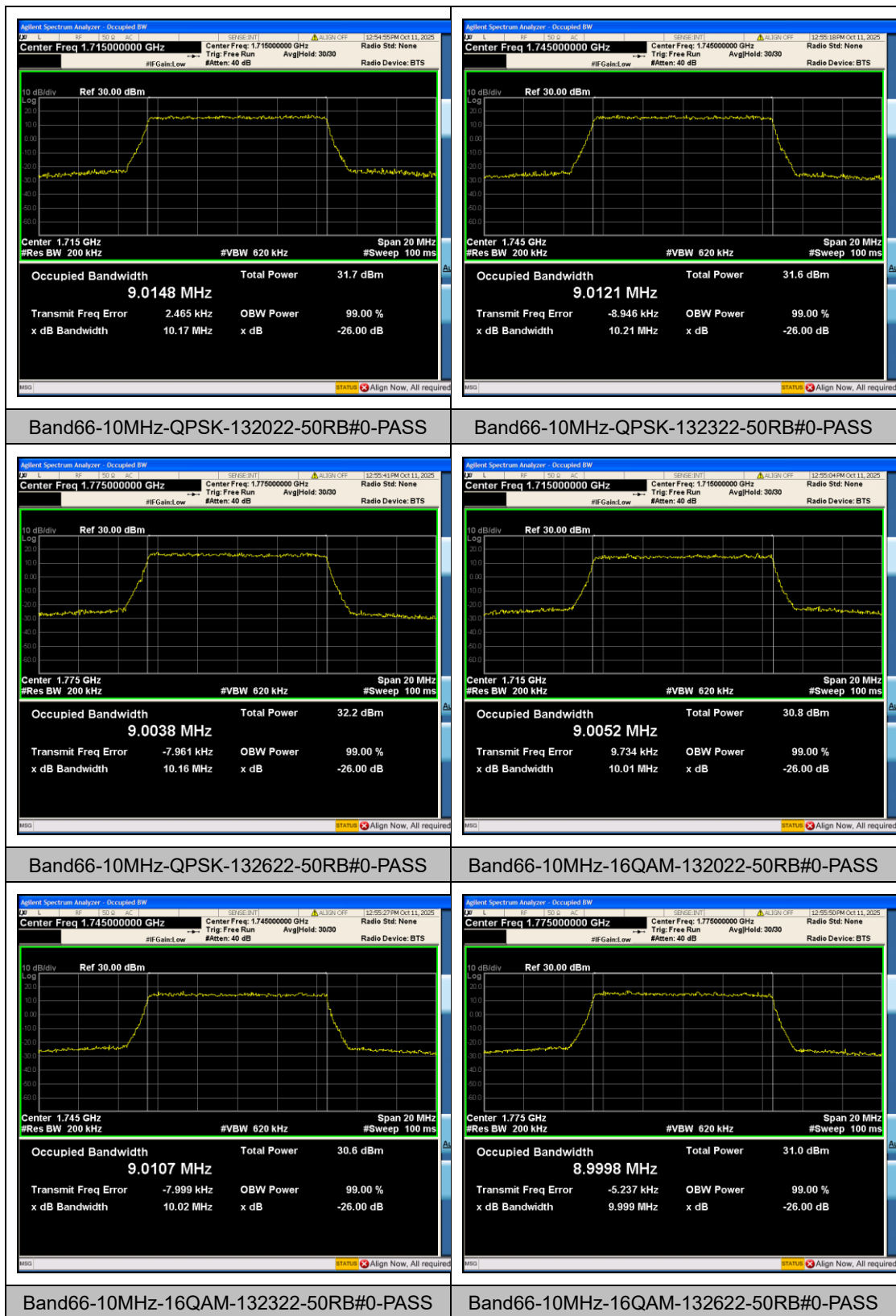
Band66-3MHz-16QAM-131987-15RB#0-PASS

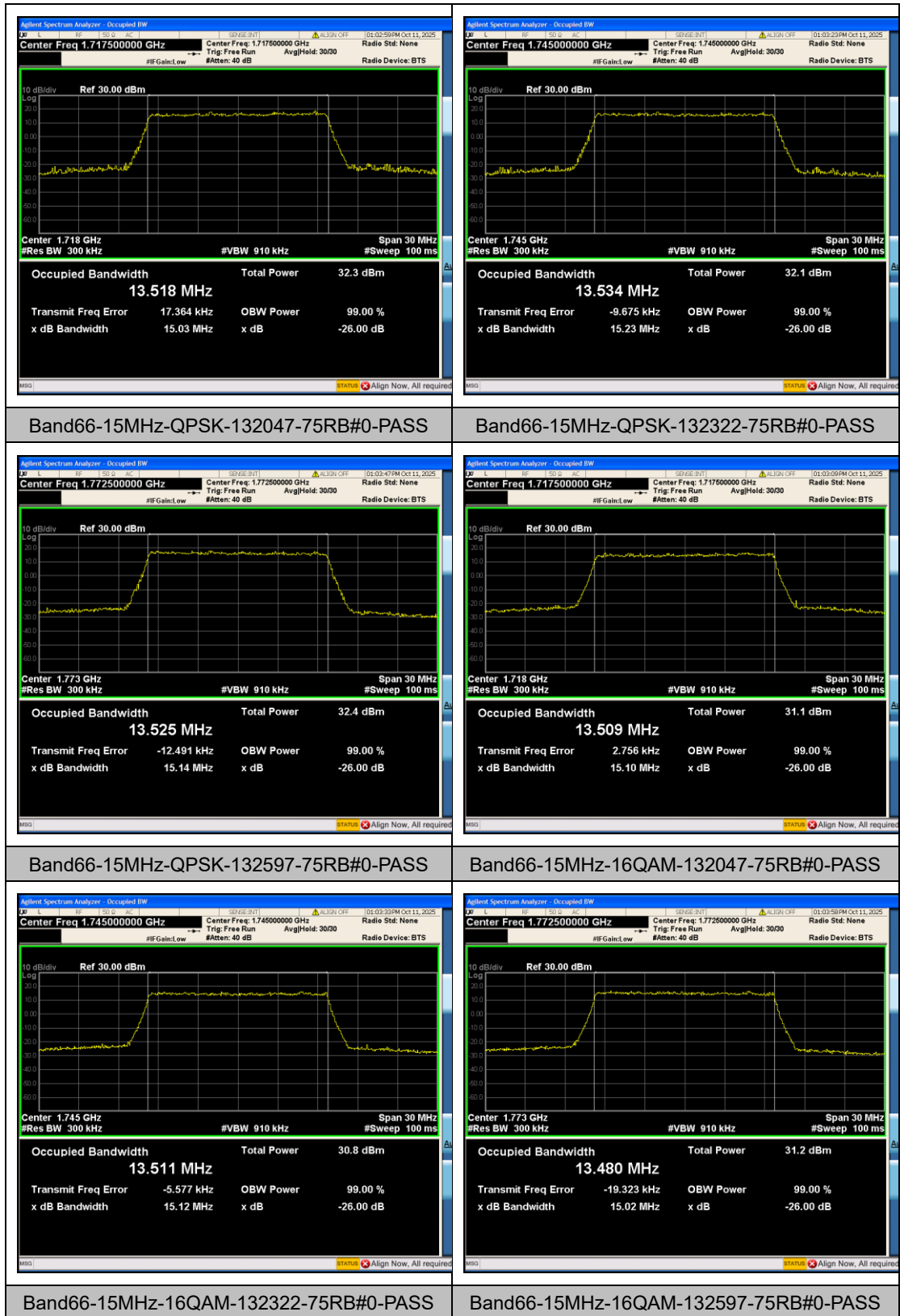


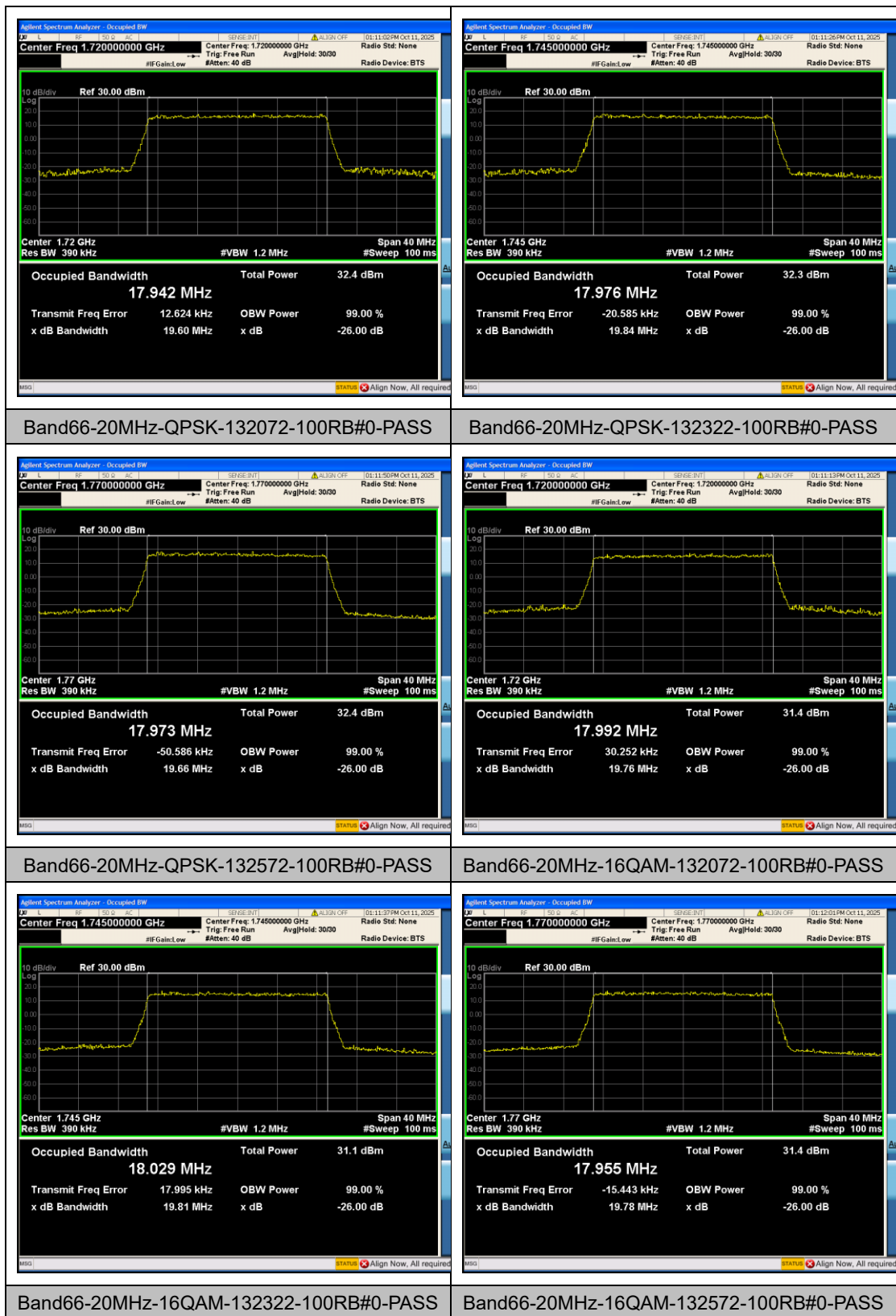
Band66-3MHz-16QAM-132322-15RB#0-PASS

Band66-3MHz-16QAM-132657-15RB#0-PASS









Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	-27.19	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-28.68	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-27.80	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-28.58	PASS
Band66	3MHz	QPSK	131987	15RB#0	-25.99	PASS
Band66	3MHz	QPSK	132657	15RB#0	-27.58	PASS
Band66	3MHz	16QAM	131987	15RB#0	-24.87	PASS
Band66	3MHz	16QAM	132657	15RB#0	-36.36	PASS
Band66	5MHz	QPSK	131997	25RB#0	-26.99	PASS
Band66	5MHz	QPSK	132647	25RB#0	-29.16	PASS
Band66	5MHz	16QAM	131997	25RB#0	-26.07	PASS
Band66	5MHz	16QAM	132647	25RB#0	-28.36	PASS
Band66	10MHz	QPSK	132022	50RB#0	-28.88	PASS
Band66	10MHz	QPSK	132622	50RB#0	-31.89	PASS
Band66	10MHz	16QAM	132022	50RB#0	-28.16	PASS
Band66	10MHz	16QAM	132622	50RB#0	-31.12	PASS
Band66	15MHz	QPSK	132047	75RB#0	-29.66	PASS
Band66	15MHz	QPSK	132597	75RB#0	-33.33	PASS
Band66	15MHz	16QAM	132047	75RB#0	-28.96	PASS
Band66	15MHz	16QAM	132597	75RB#0	-32.49	PASS
Band66	20MHz	QPSK	132072	100RB#0	-30.62	PASS
Band66	20MHz	QPSK	132572	100RB#0	-33.99	PASS
Band66	20MHz	16QAM	132072	100RB#0	-29.83	PASS
Band66	20MHz	16QAM	132572	100RB#0	-33.58	PASS