

FCC Appendix RF Test Data for LTE Band 66

FCC ID : 2BYEV-HELIXX

Company : SHENZHEN DANFOO TECHNOLOGY CO.,LTD.

EUT : Smart Bee Box

Model Number : HELIX X

Report No. : CTA26071300506

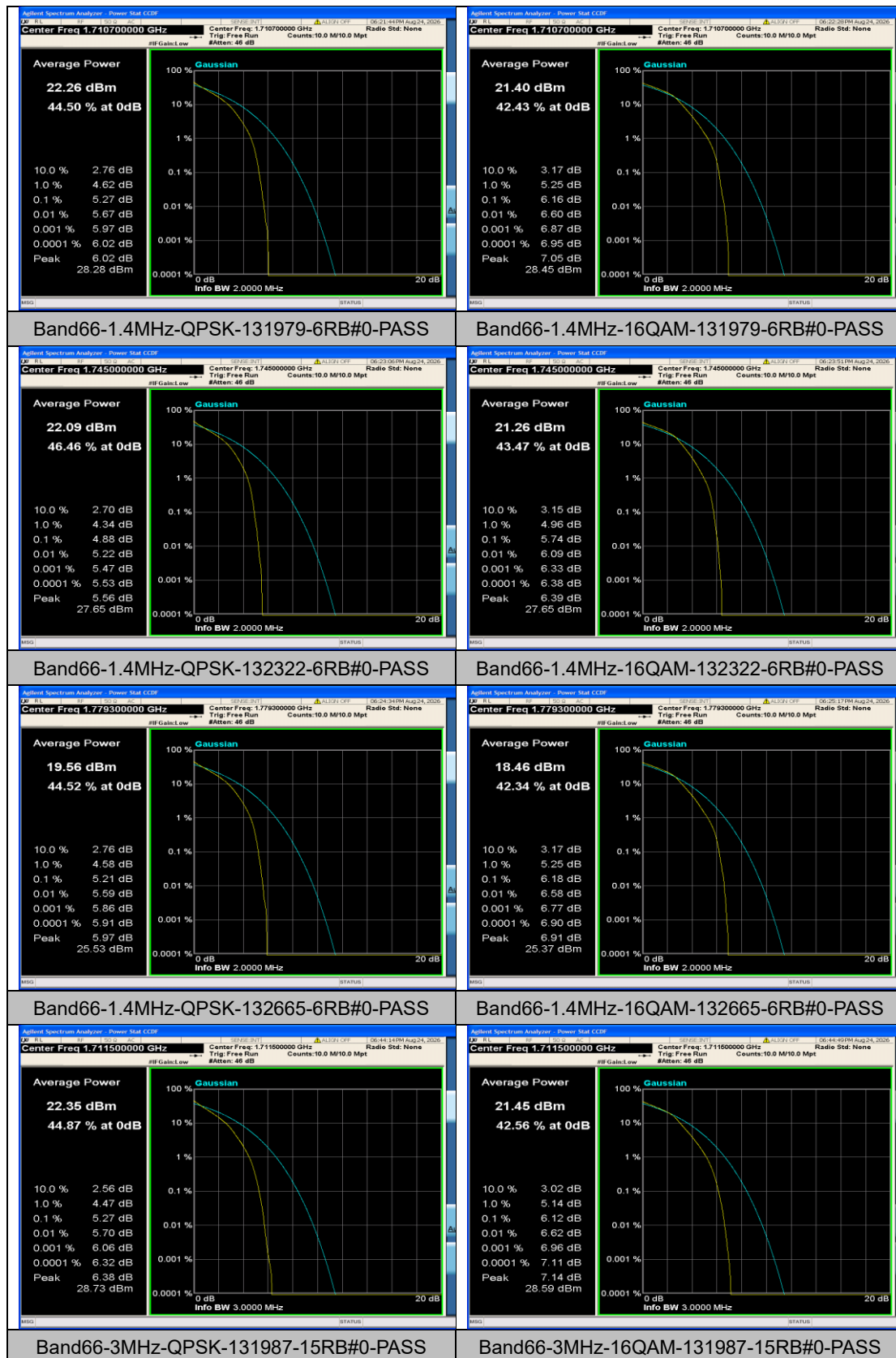
Reviewed By : Eric Wang

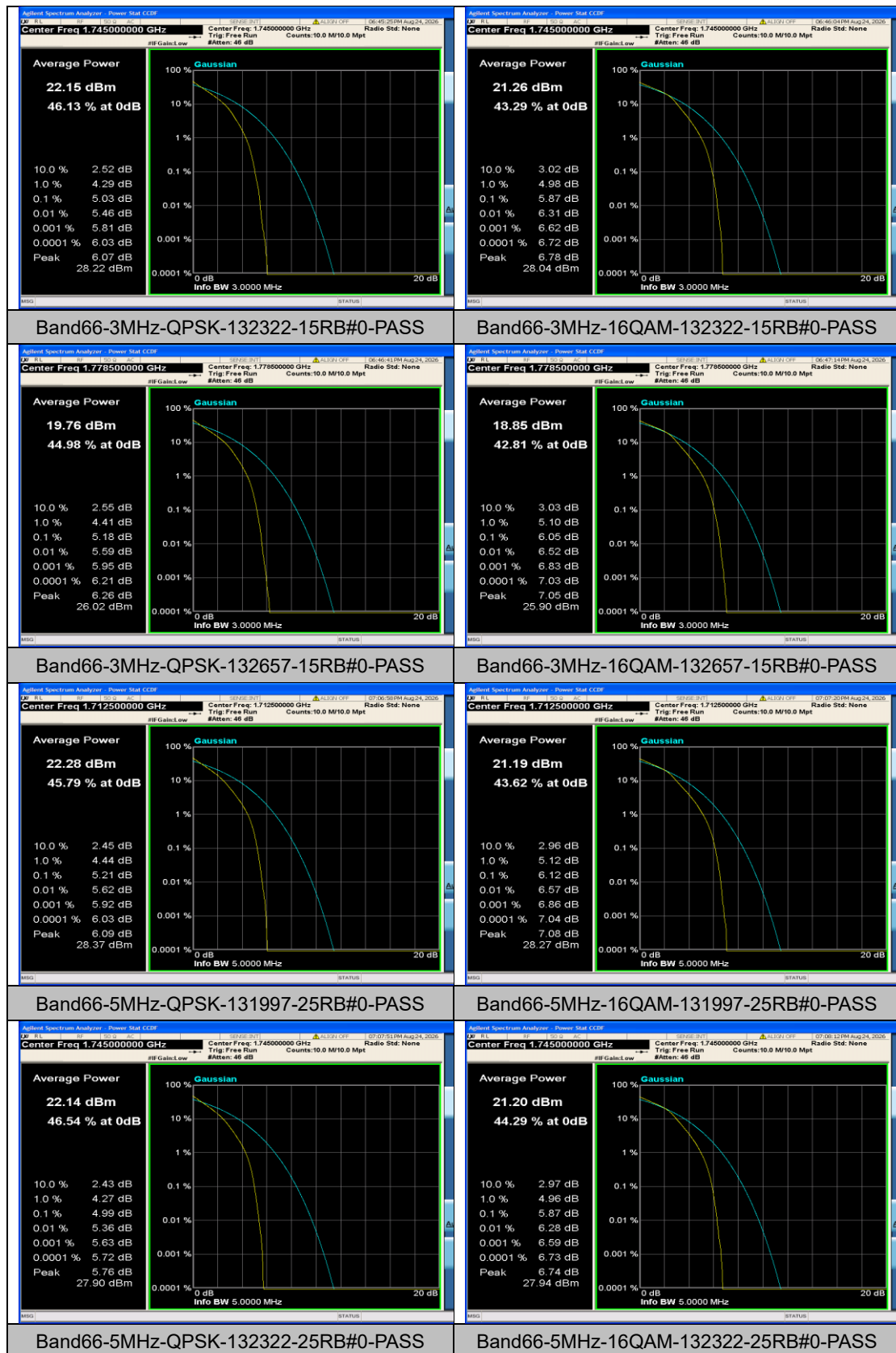
Appendix B: Peak-to-Average Ratio(CCDF)

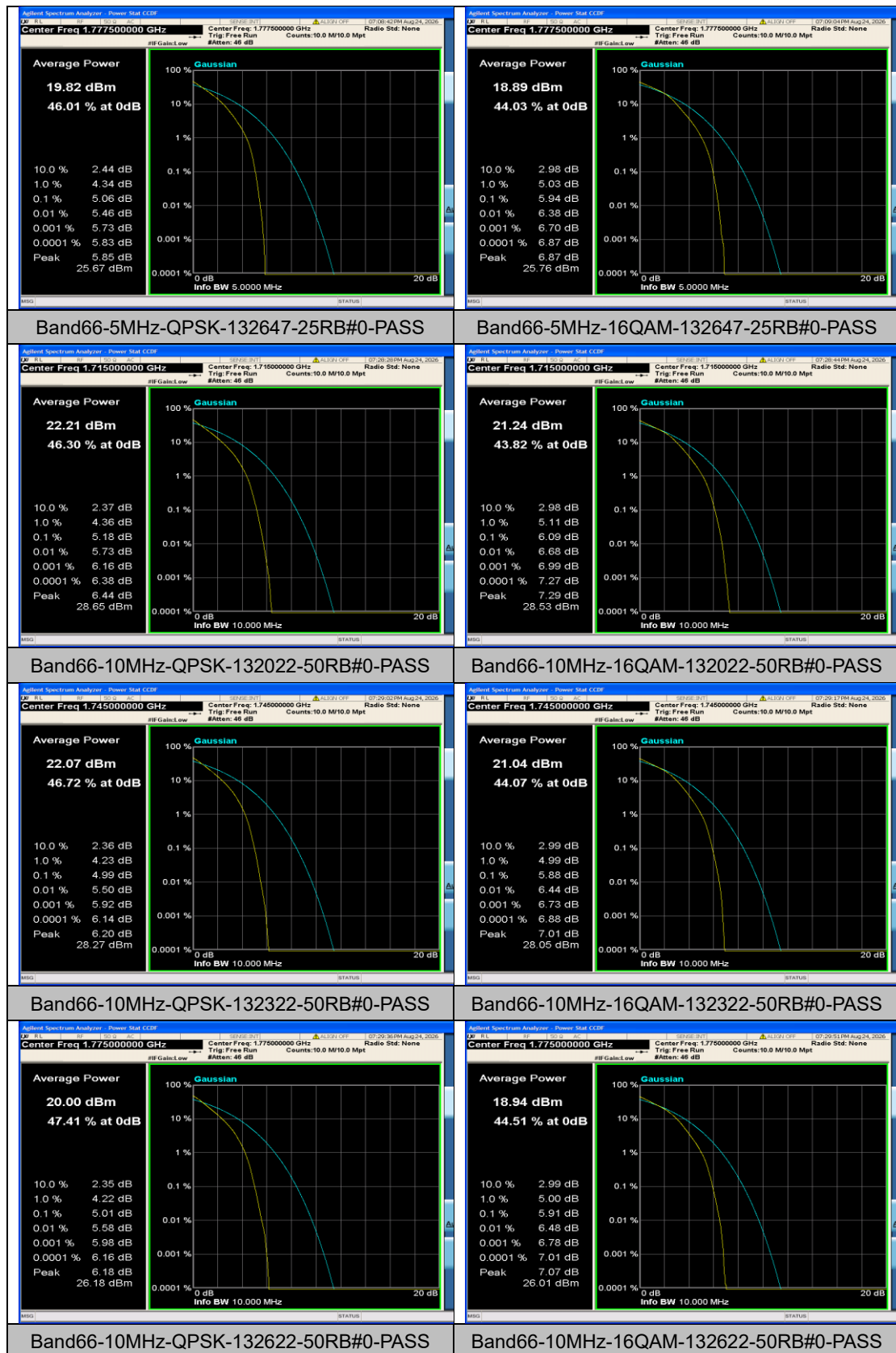
Test Result

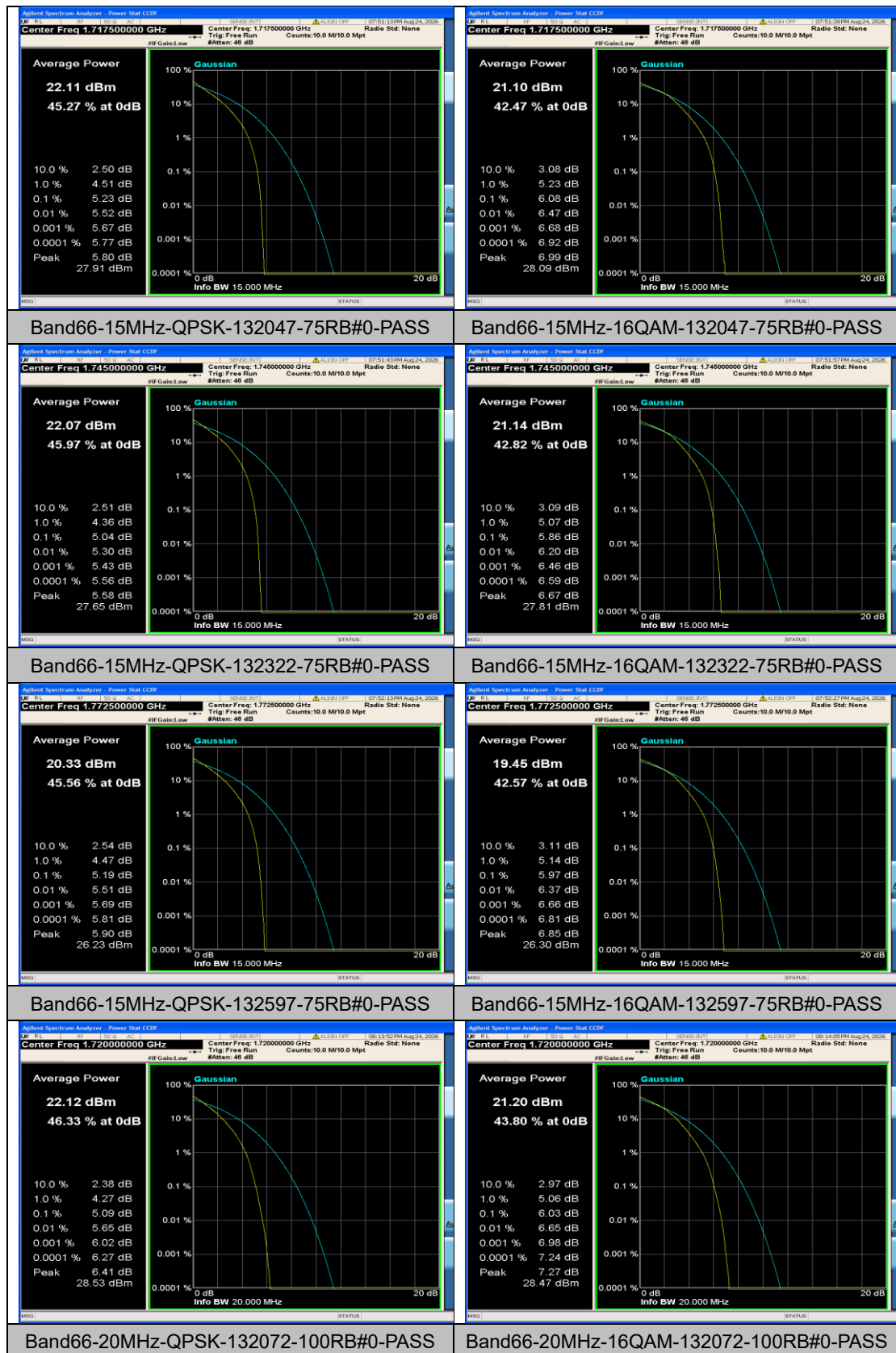
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	5.27	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	6.16	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	4.88	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	5.74	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	5.21	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	6.18	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.27	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.12	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.03	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	5.87	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	5.18	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	6.05	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.21	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.12	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.99	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	5.87	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	5.06	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	5.94	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.18	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	6.09	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	4.99	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	5.88	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	5.01	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	5.91	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.23	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	6.08	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.04	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	5.86	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	5.19	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	5.97	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.09	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.03	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	4.90	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.81	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.13	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.03	13	PASS

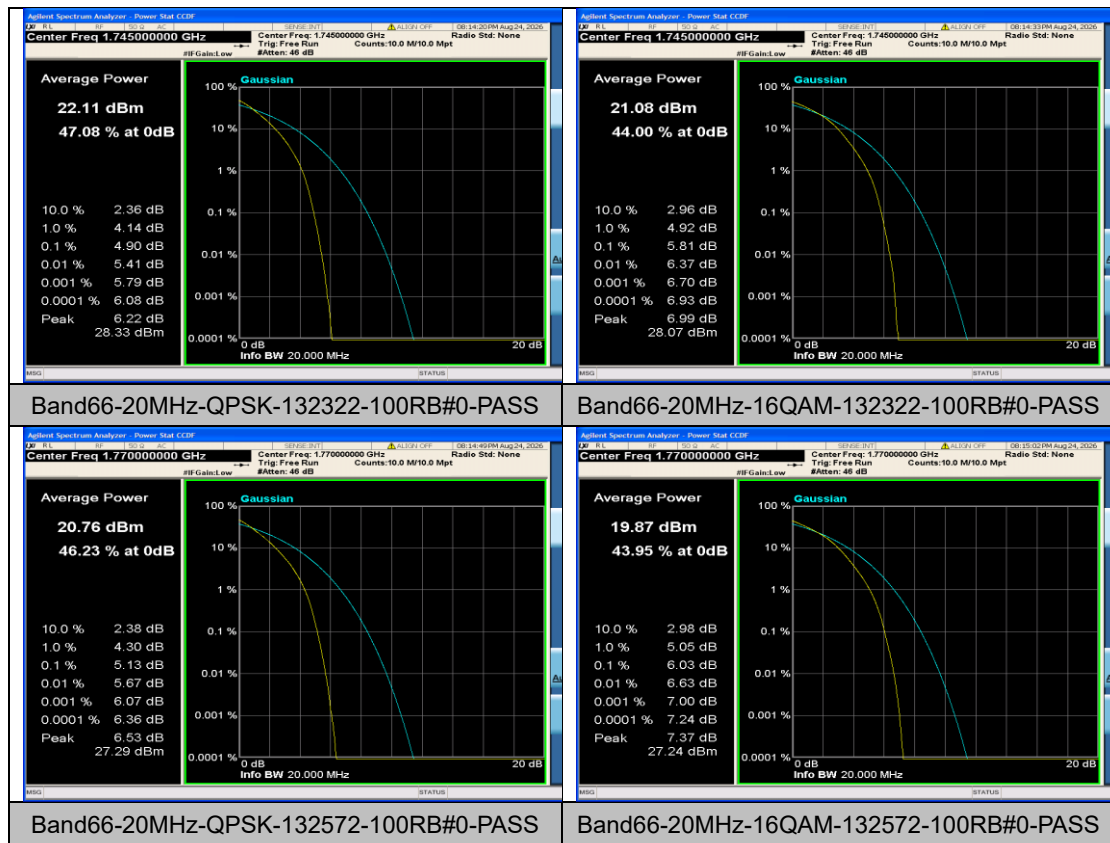
Test Graphs









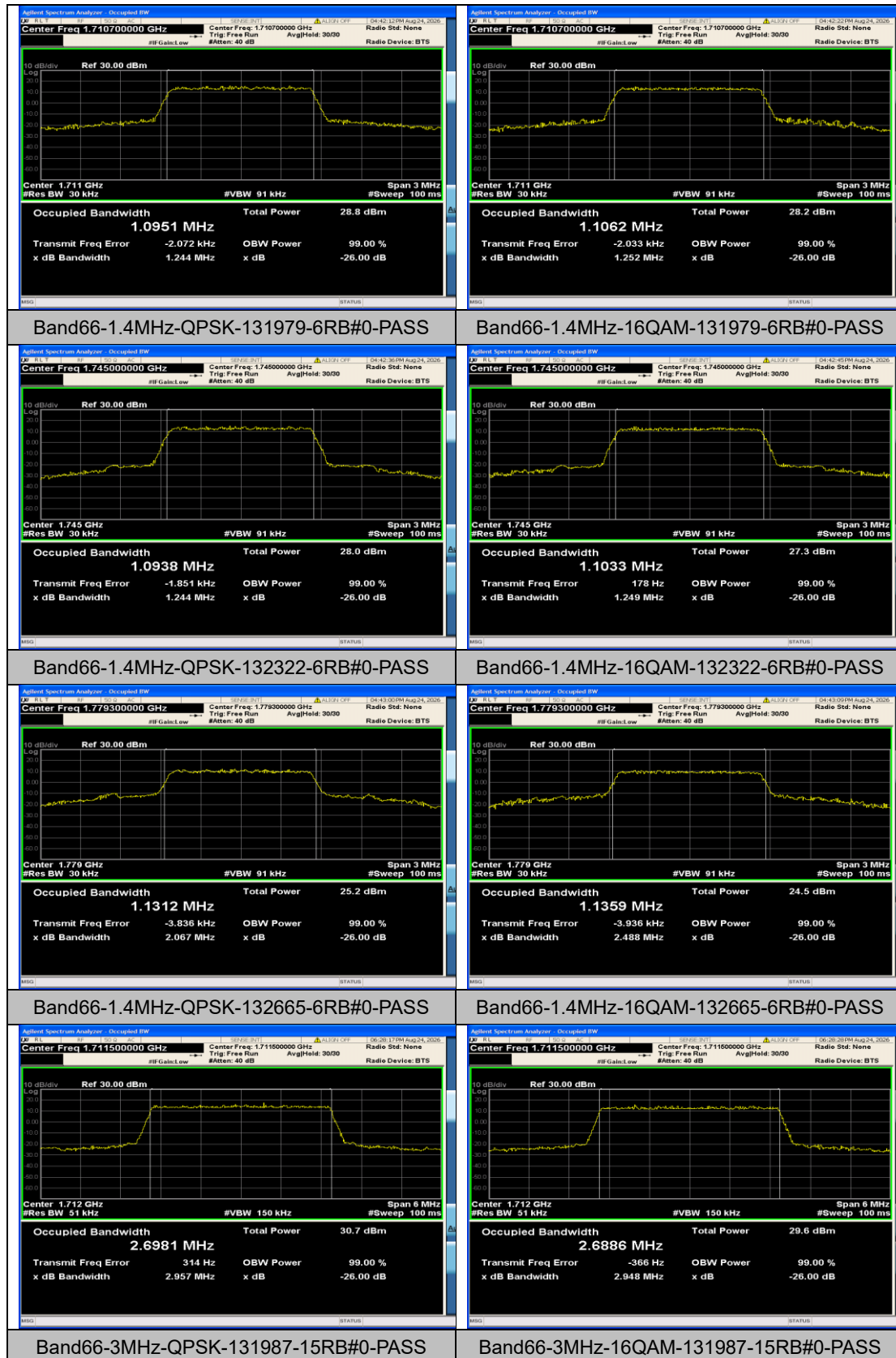


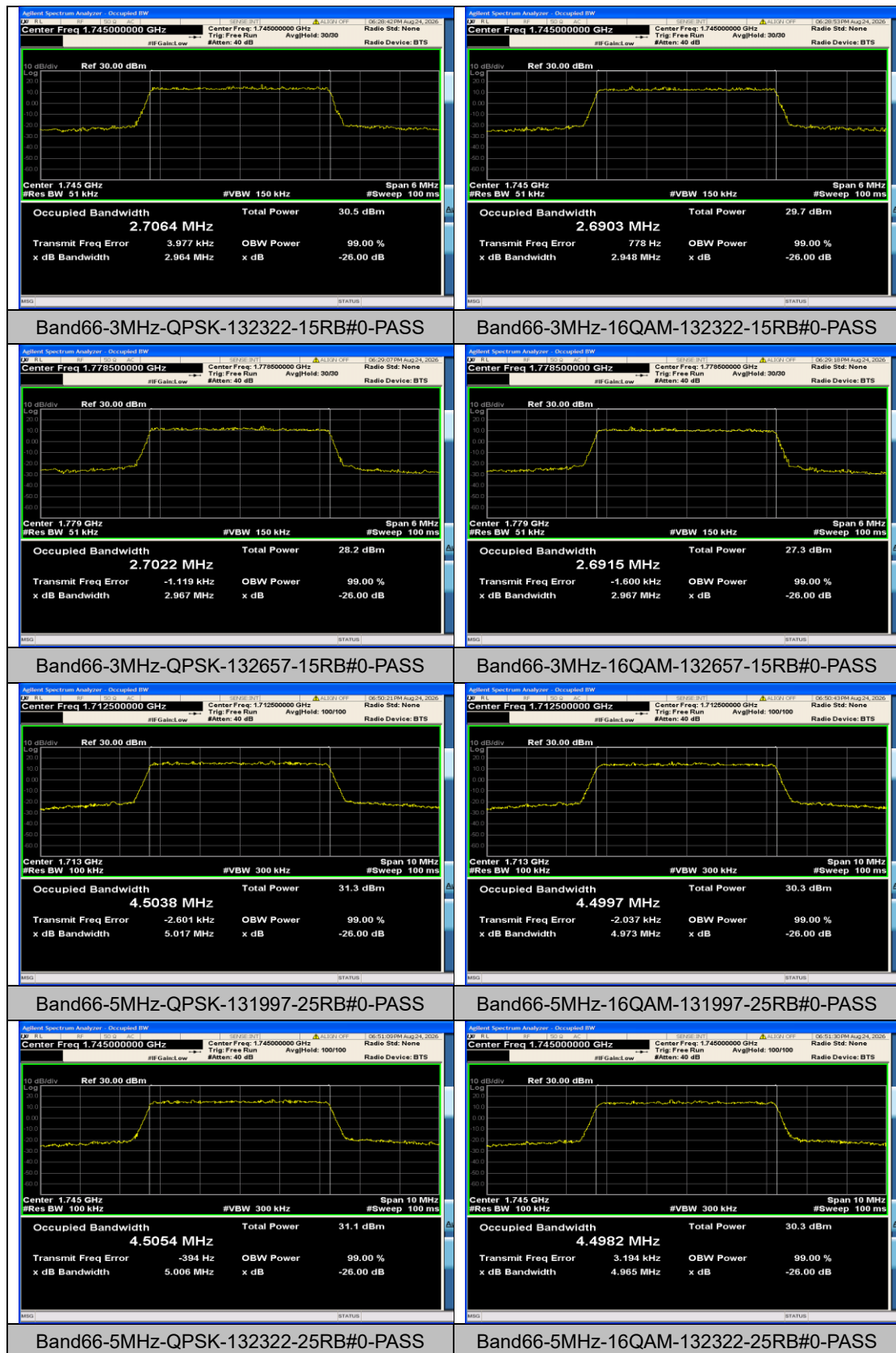
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

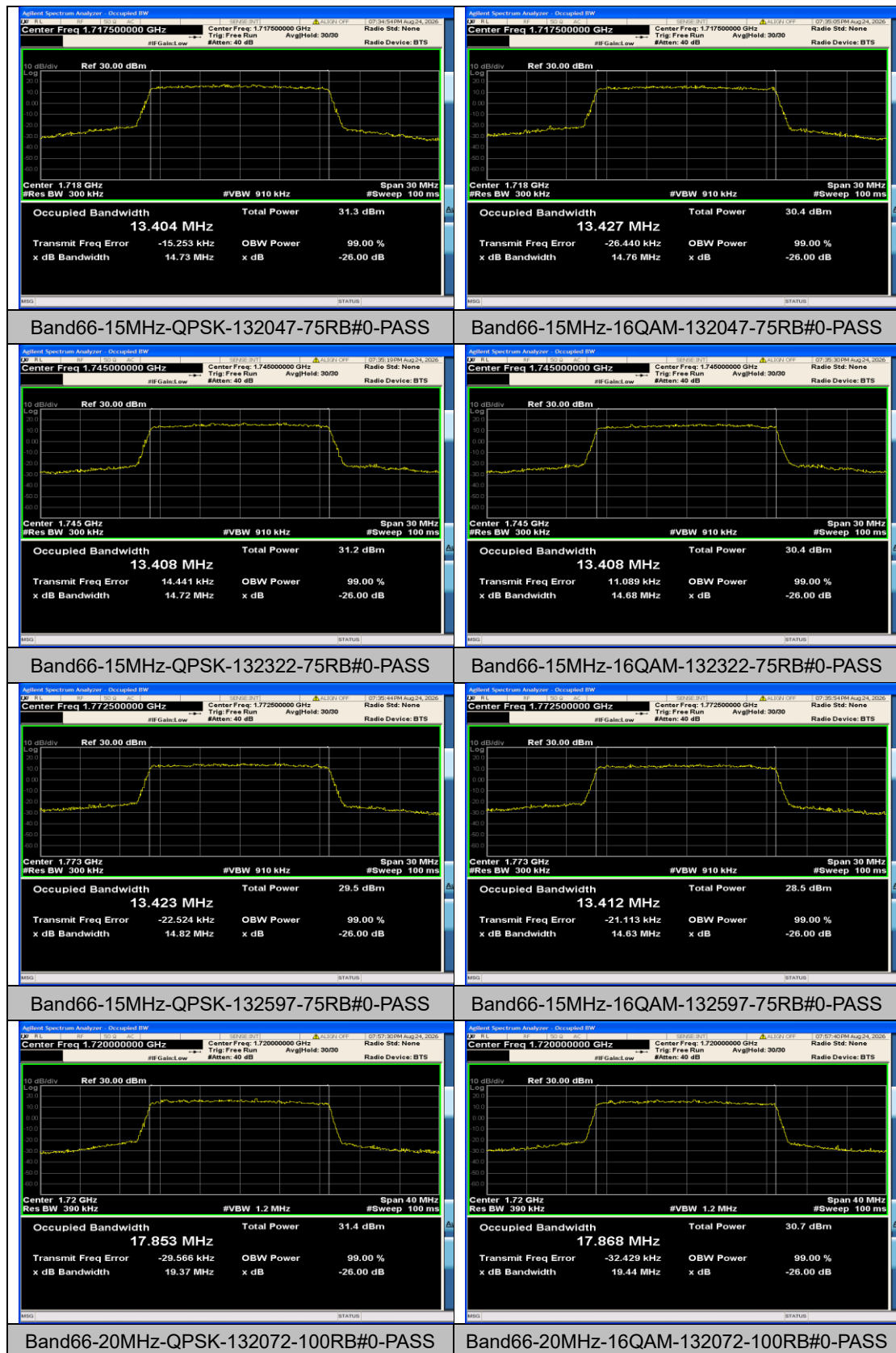
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0951	1.244	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.1062	1.252	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0938	1.244	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.1033	1.249	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.1312	2.067	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.1359	2.488	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6981	2.957	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6886	2.948	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.7064	2.964	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6903	2.948	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7022	2.967	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6915	2.967	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5038	5.017	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4997	4.973	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5054	5.006	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4982	4.965	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.4989	5.006	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4954	4.966	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9664	9.872	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9562	9.876	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9556	9.925	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9686	9.840	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9570	9.882	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9418	9.823	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.404	14.73	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.427	14.76	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.408	14.72	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.408	14.68	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.423	14.82	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.412	14.63	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.853	19.37	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.868	19.44	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.858	19.33	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.921	19.42	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.927	19.41	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.920	19.40	PASS

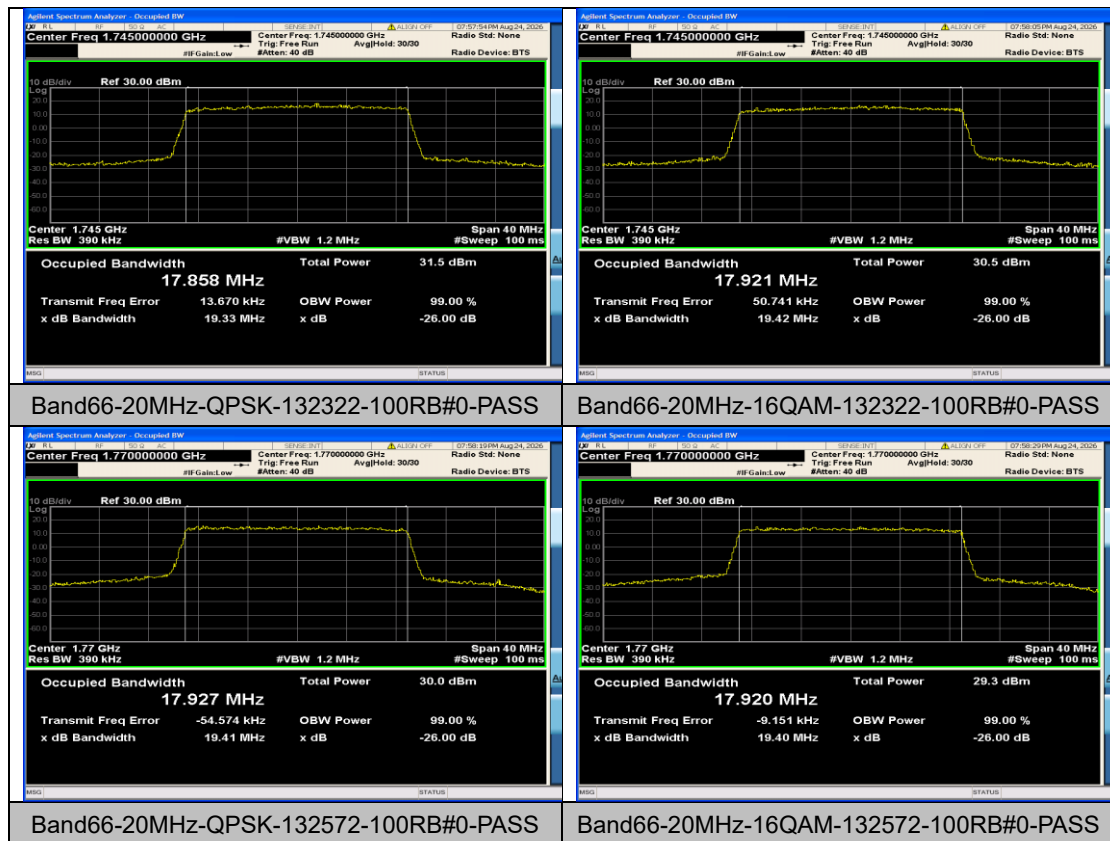
Test Graphs











Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	-25.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-23.78	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-19.23	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-19.01	PASS
Band66	3MHz	QPSK	131987	15RB#0	-29.55	PASS
Band66	3MHz	16QAM	131987	15RB#0	-31.16	PASS
Band66	3MHz	QPSK	132657	15RB#0	-34.02	PASS
Band66	3MHz	16QAM	132657	15RB#0	-34.70	PASS
Band66	5MHz	QPSK	131997	25RB#0	-31.05	PASS
Band66	5MHz	16QAM	131997	25RB#0	-33.20	PASS
Band66	5MHz	QPSK	132647	25RB#0	-35.11	PASS
Band66	5MHz	16QAM	132647	25RB#0	-35.94	PASS
Band66	10MHz	QPSK	132022	50RB#0	-33.84	PASS
Band66	10MHz	16QAM	132022	50RB#0	-34.76	PASS
Band66	10MHz	QPSK	132622	50RB#0	-37.13	PASS
Band66	10MHz	16QAM	132622	50RB#0	-38.23	PASS
Band66	15MHz	QPSK	132047	75RB#0	-35.32	PASS
Band66	15MHz	16QAM	132047	75RB#0	-35.76	PASS
Band66	15MHz	QPSK	132597	75RB#0	-37.12	PASS
Band66	15MHz	16QAM	132597	75RB#0	-39.29	PASS
Band66	20MHz	QPSK	132072	100RB#0	-35.09	PASS
Band66	20MHz	16QAM	132072	100RB#0	-35.52	PASS
Band66	20MHz	QPSK	132572	100RB#0	-37.11	PASS
Band66	20MHz	16QAM	132572	100RB#0	-37.90	PASS

Test Graphs

