

FCC Appendix RF Test Data for LTE Band 66

FCC ID : 2BYEV-ORIGOT108

Company : SHENZHEN DANFOO TECHNOLOGY CO.,LTD.

EUT : Smart Bee Box

Model Number : ORIGO T108

Report No. : CTA26062401106

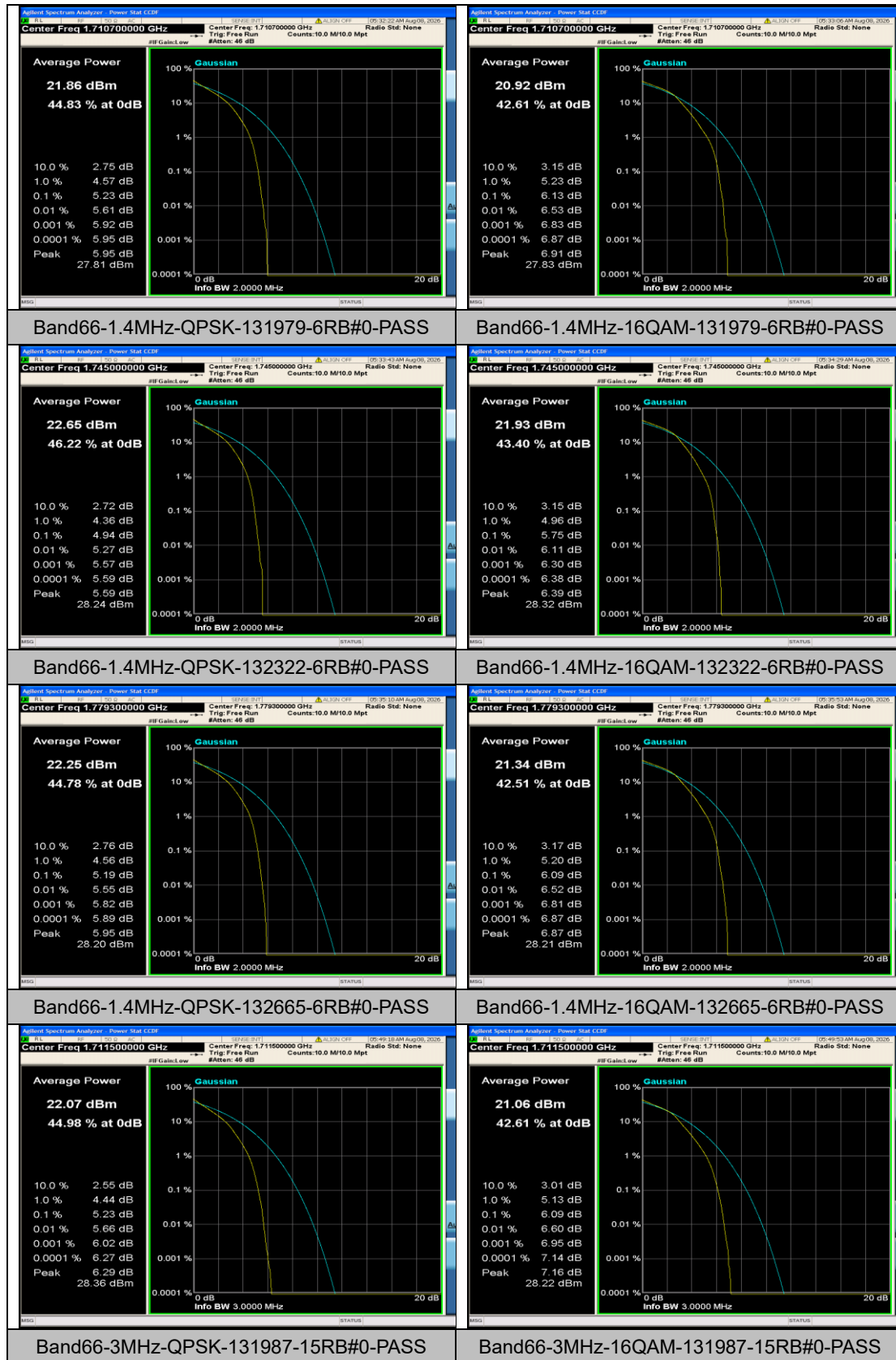
Reviewed By : Eric Wang

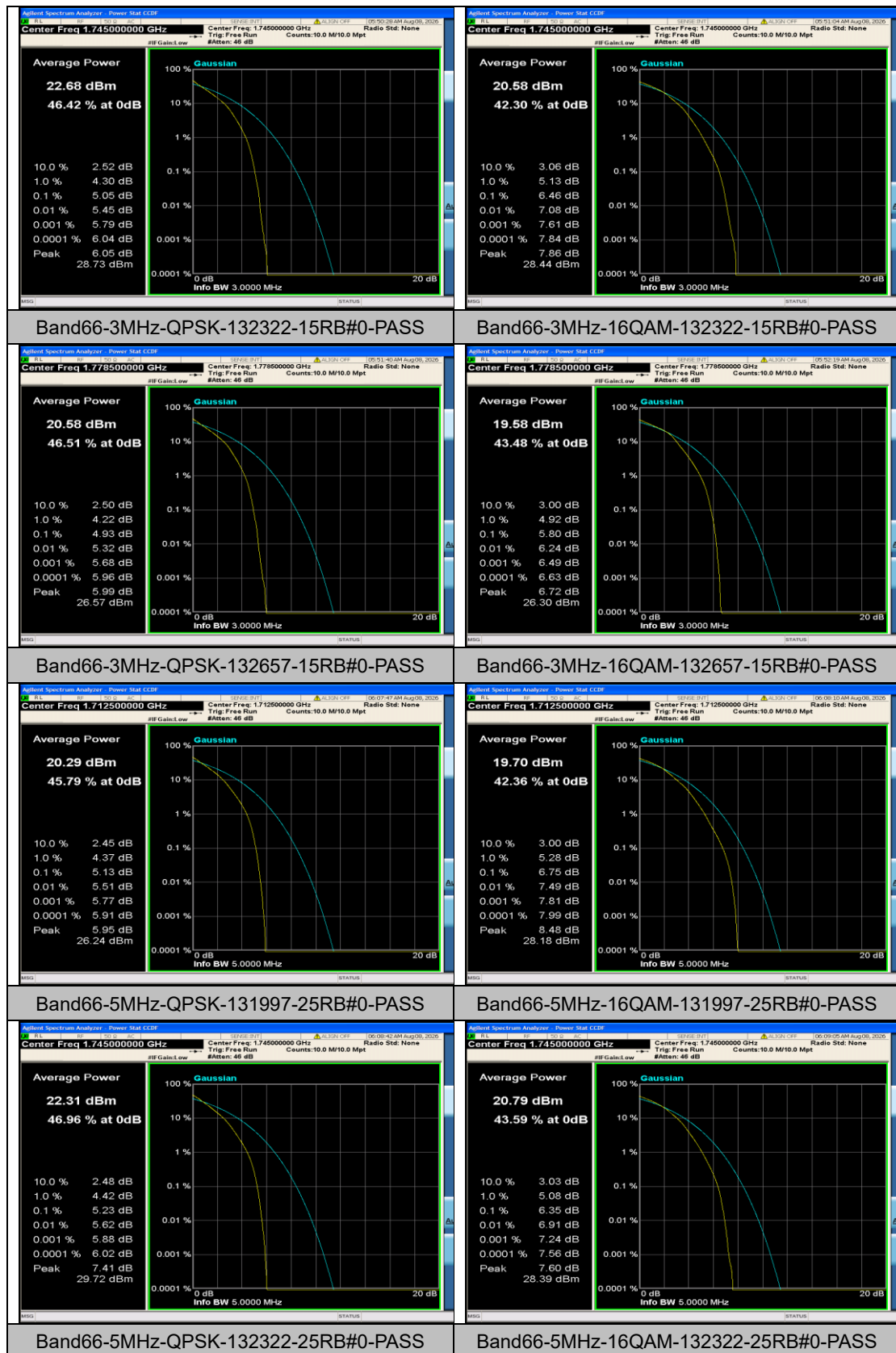
Appendix B: Peak-to-Average Ratio(CCDF)

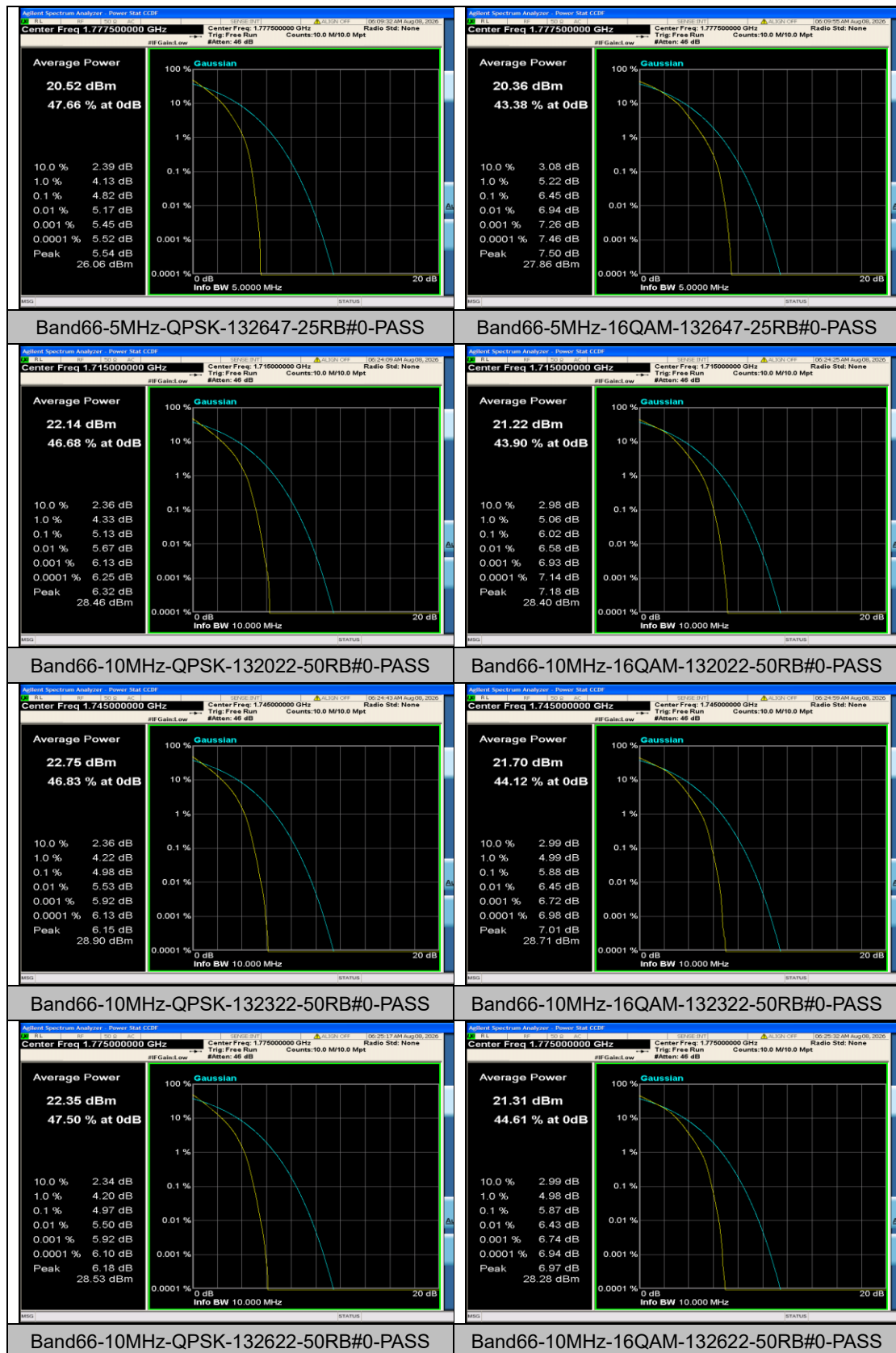
Test Result

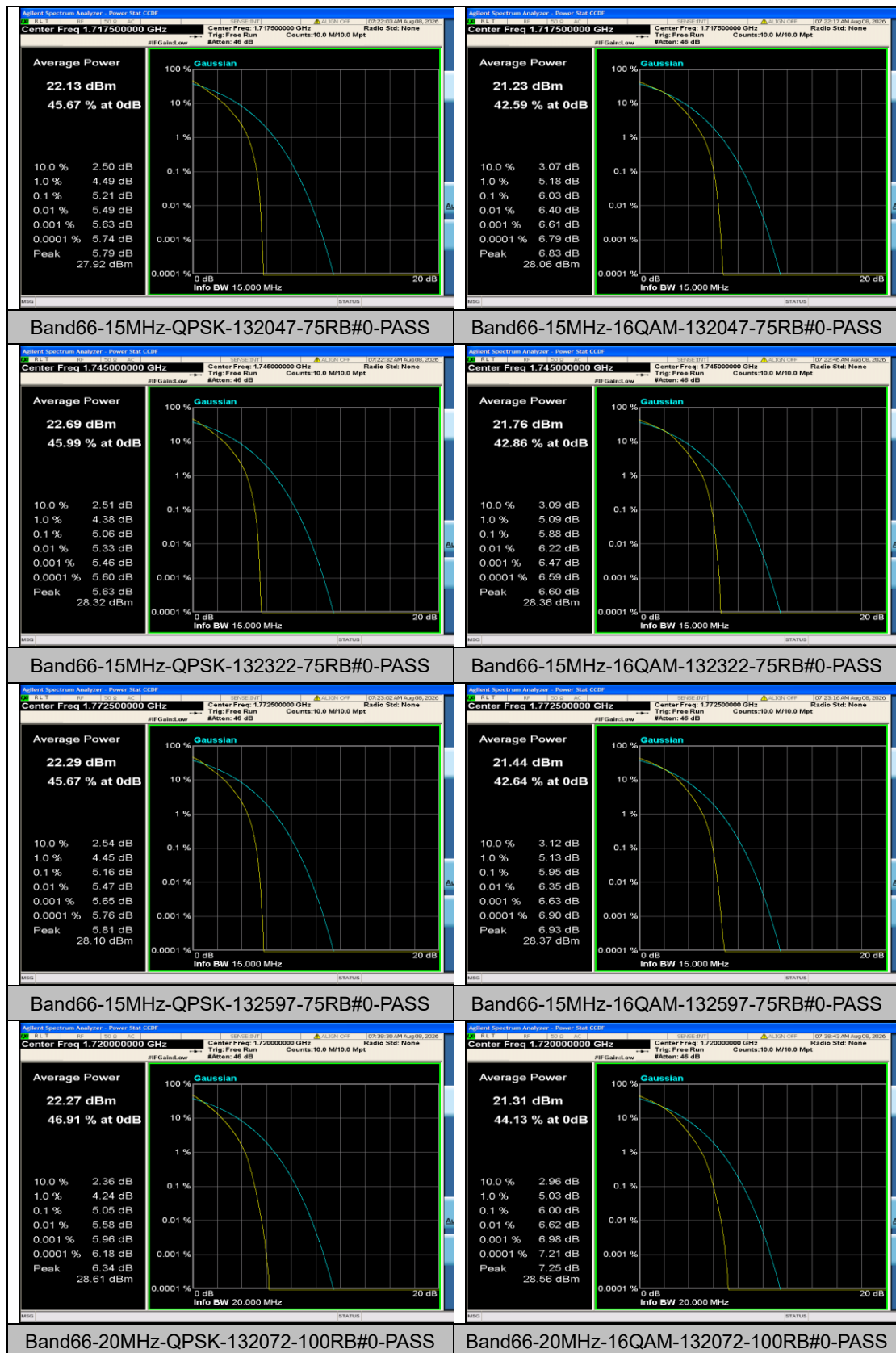
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	5.23	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	6.13	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	4.94	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	5.75	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	5.19	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	6.09	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.23	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.09	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.05	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	6.46	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	4.93	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	5.80	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.13	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.75	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.23	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	6.35	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.82	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	6.45	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.13	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	6.02	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	4.98	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	5.88	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	4.97	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	5.87	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.21	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	6.03	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.06	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	5.88	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	5.16	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	5.95	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.05	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.00	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	4.90	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.82	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.11	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.00	13	PASS

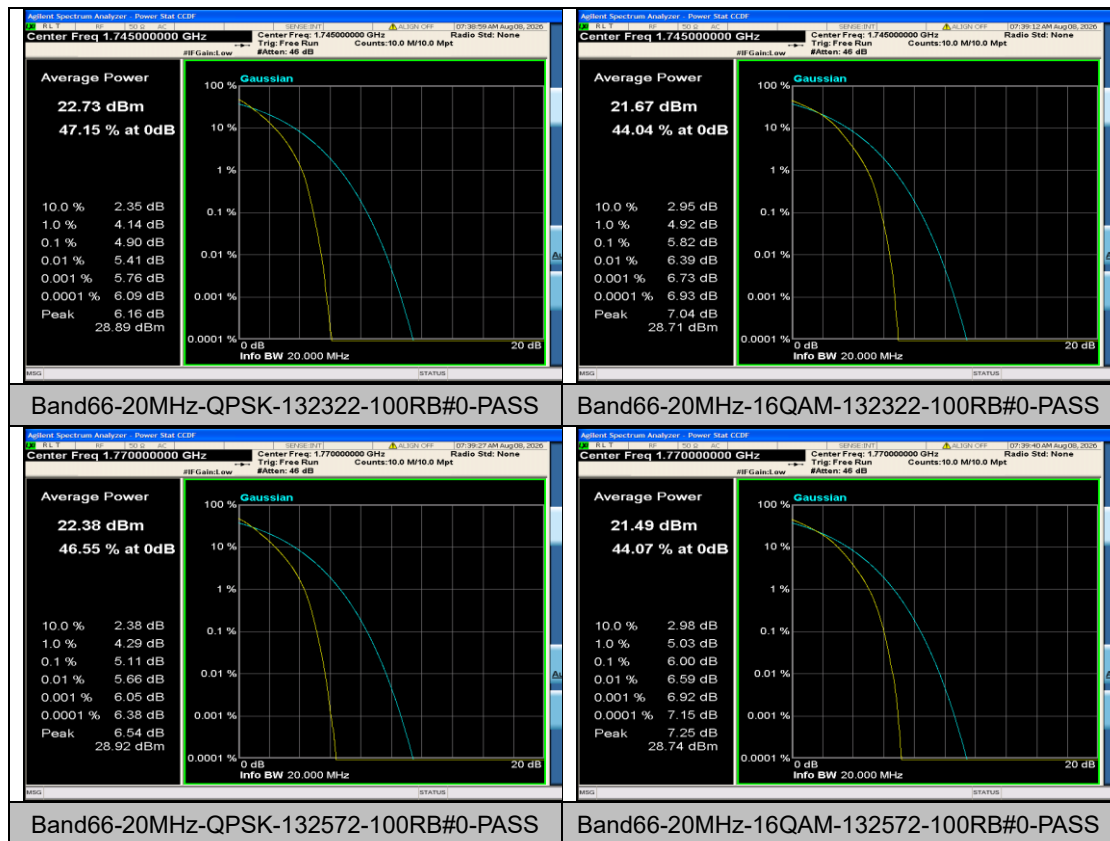
Test Graphs









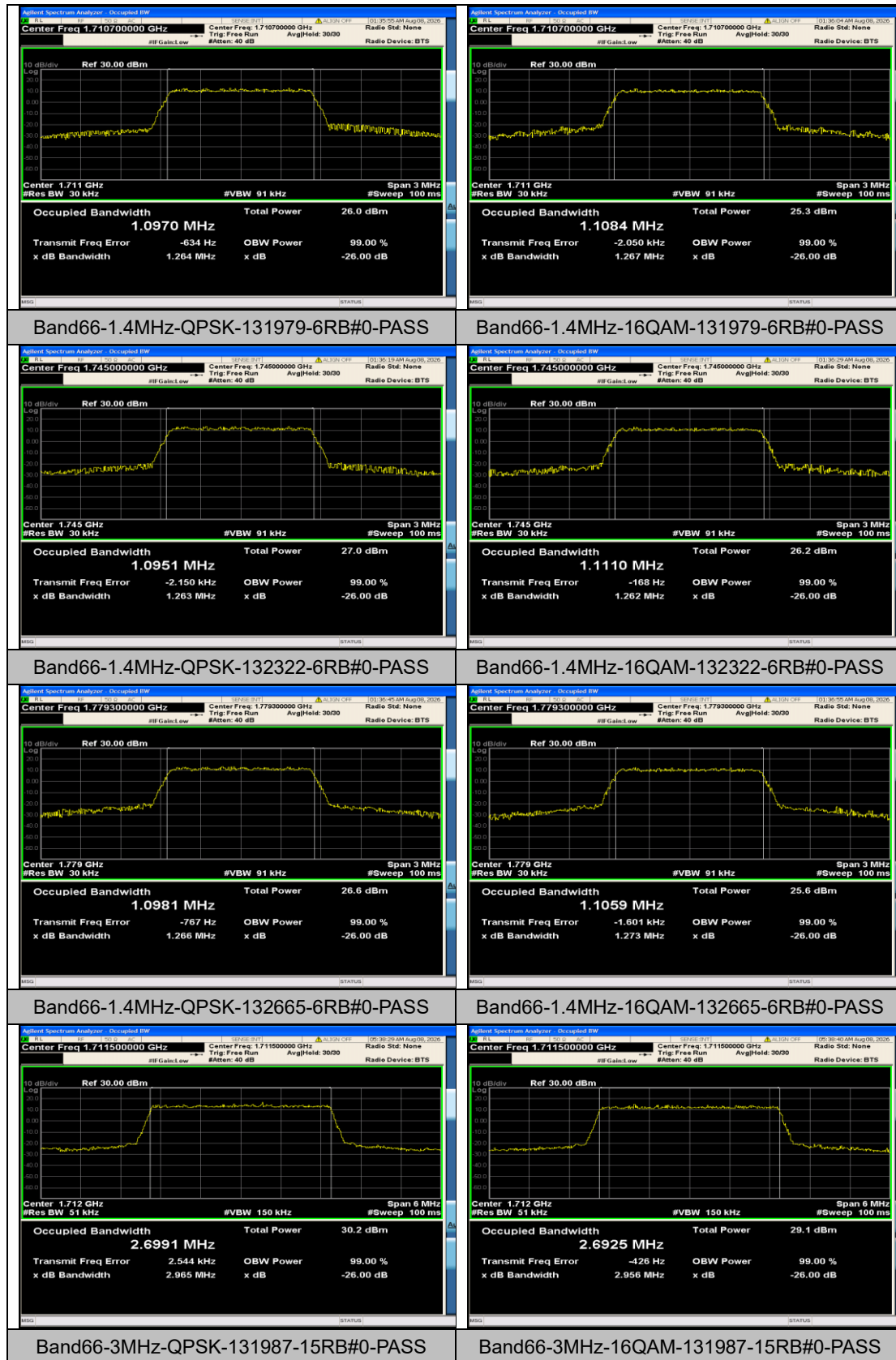


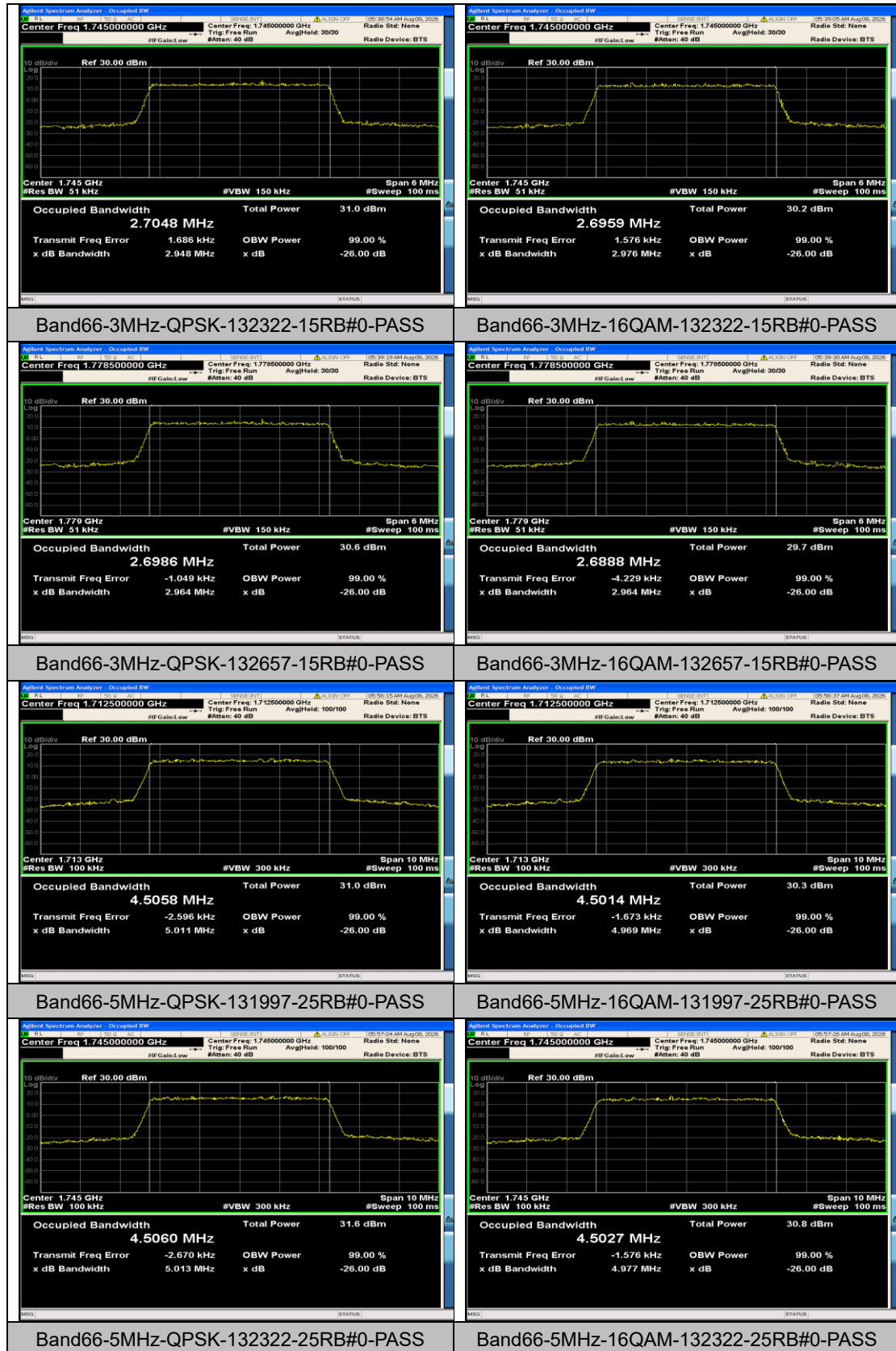
Appendix C: 26dB Bandwidth and Occupied Bandwidth

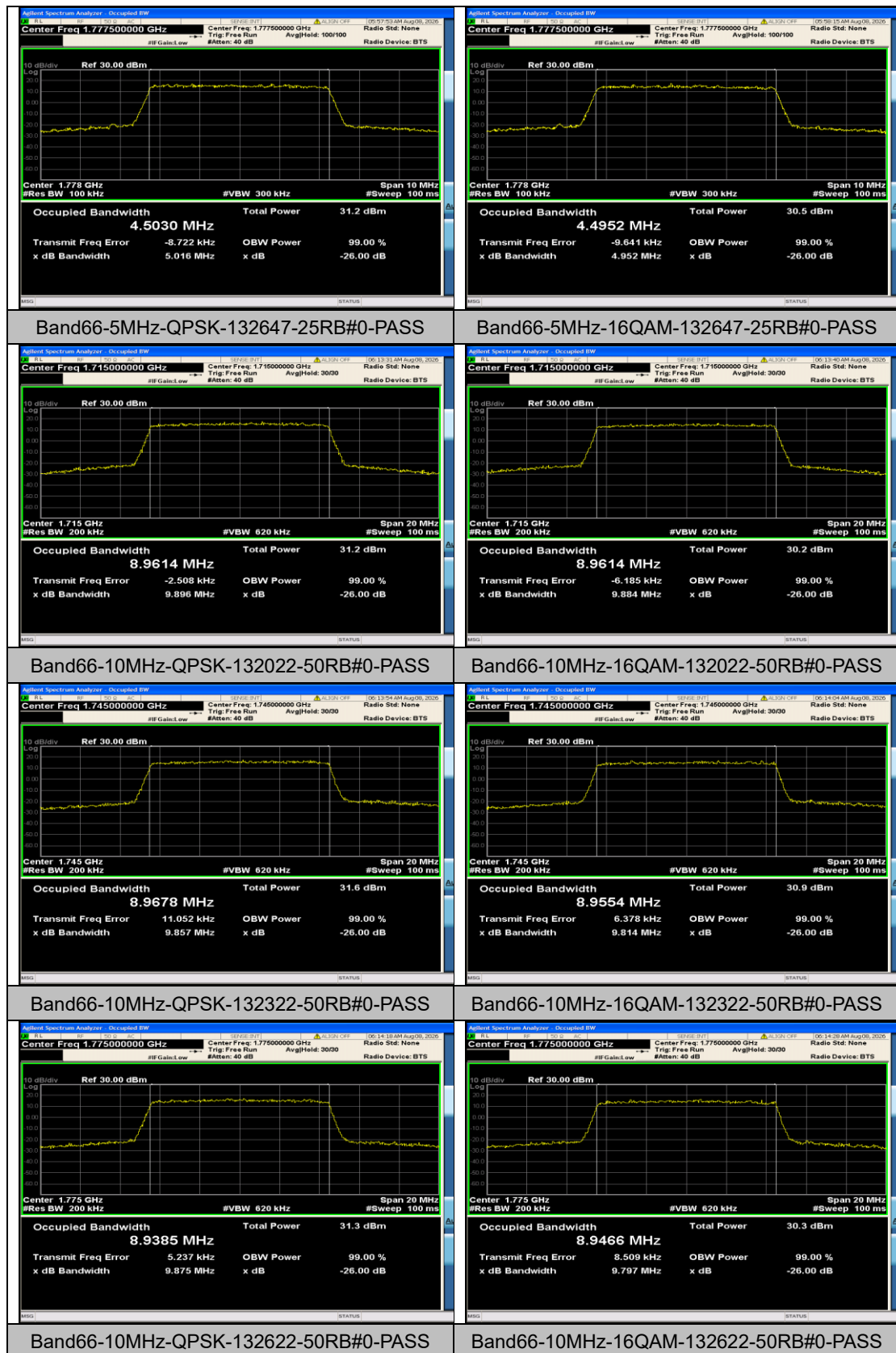
Test Result

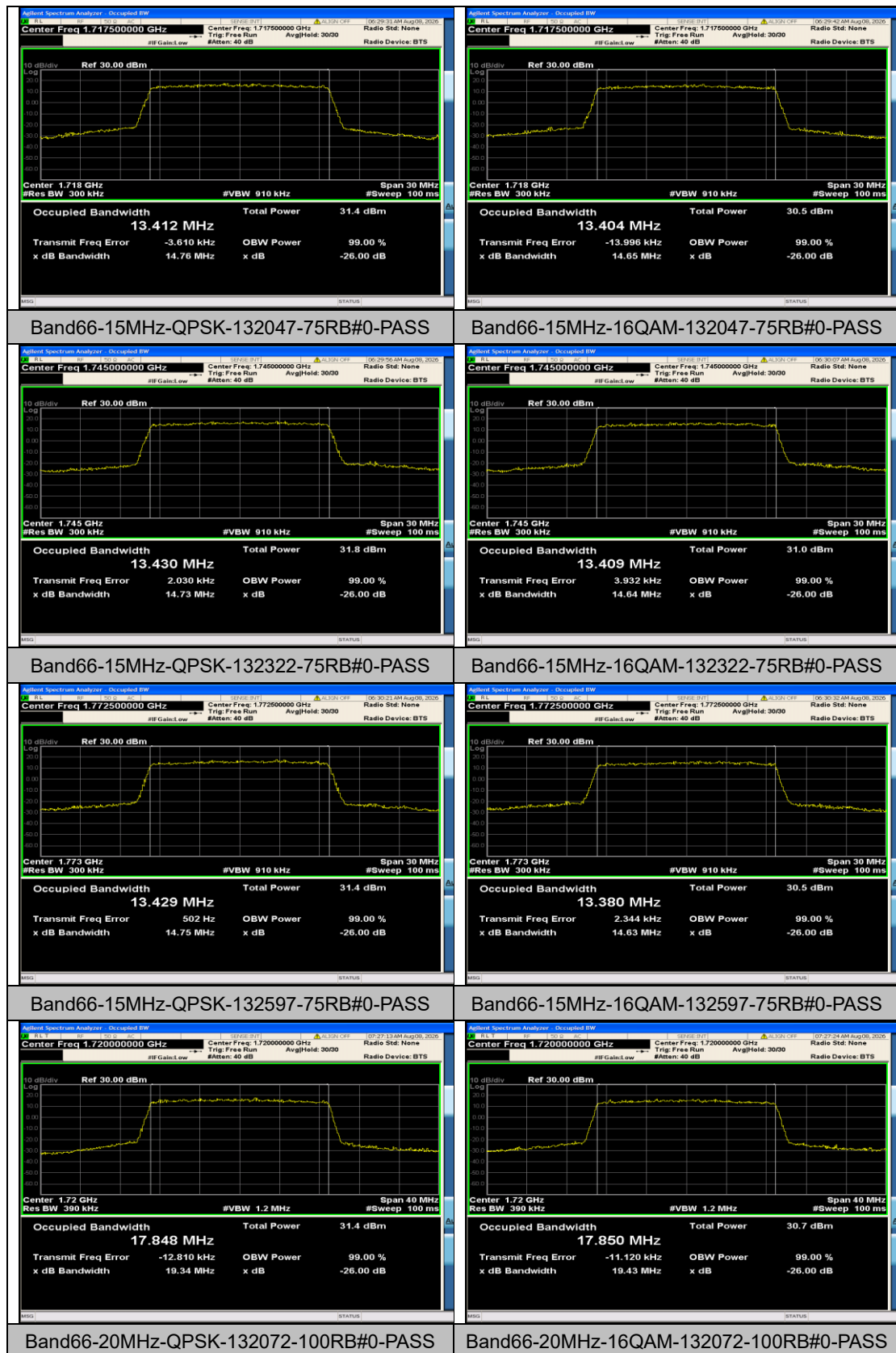
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0970	1.264	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.1084	1.267	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0951	1.263	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.1110	1.262	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0981	1.266	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.1059	1.273	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6991	2.965	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6925	2.956	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.7048	2.948	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6959	2.976	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6986	2.964	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6888	2.964	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5058	5.011	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5014	4.969	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5060	5.013	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5027	4.977	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5030	5.016	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4952	4.952	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9614	9.896	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9614	9.884	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9678	9.857	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9554	9.814	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9385	9.875	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9466	9.797	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.412	14.76	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.404	14.65	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.430	14.73	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.409	14.64	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.429	14.75	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.380	14.63	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.848	19.34	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.850	19.43	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.870	19.34	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.905	19.44	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.903	19.42	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.981	19.38	PASS

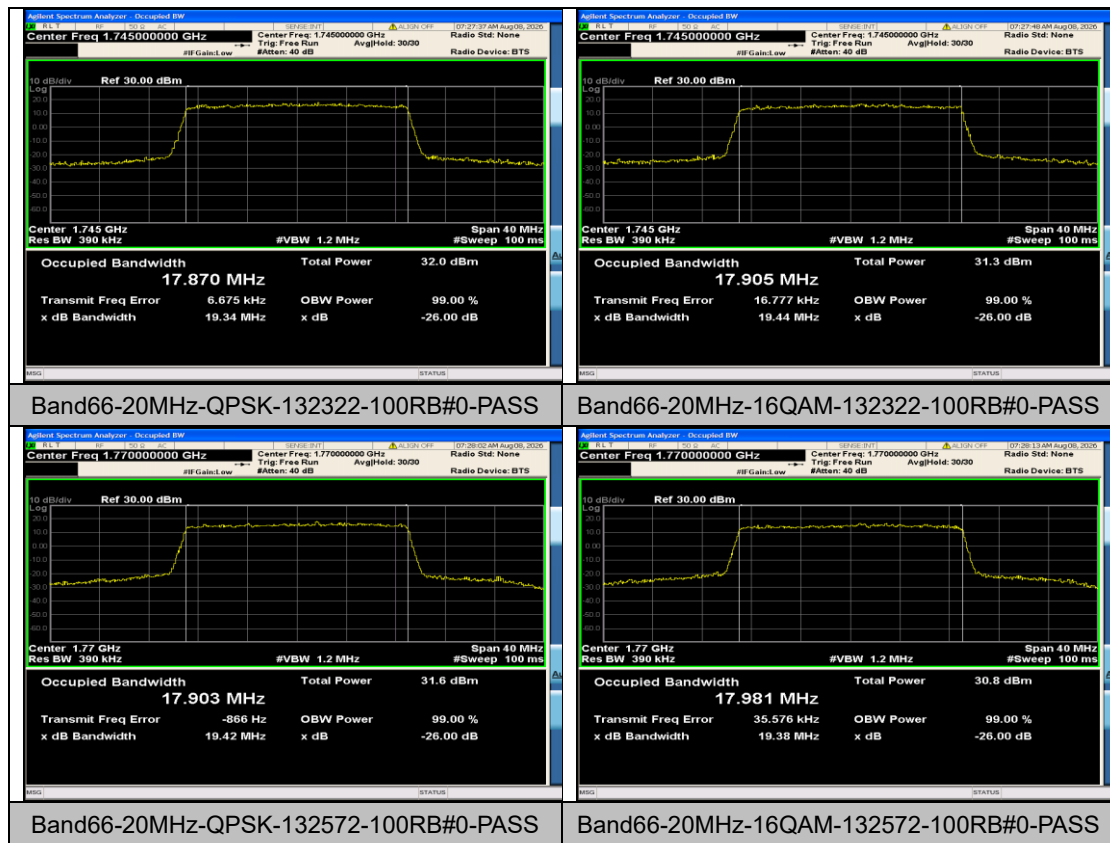
Test Graphs









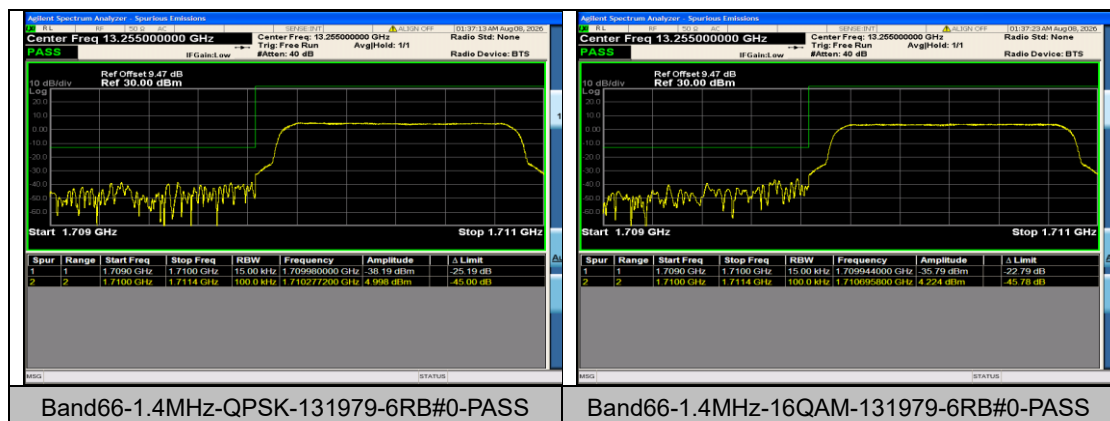


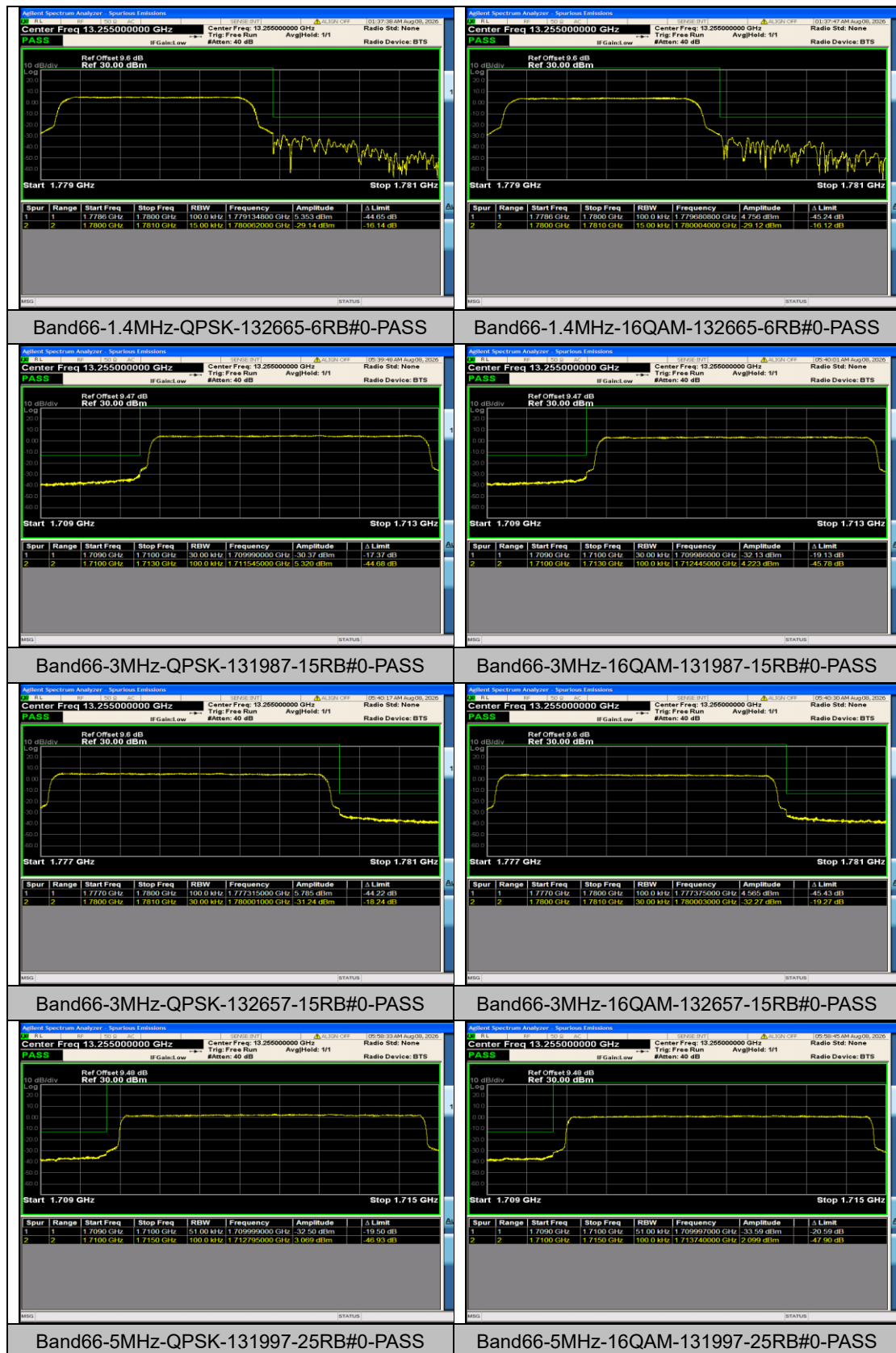
Appendix D: Band Edge

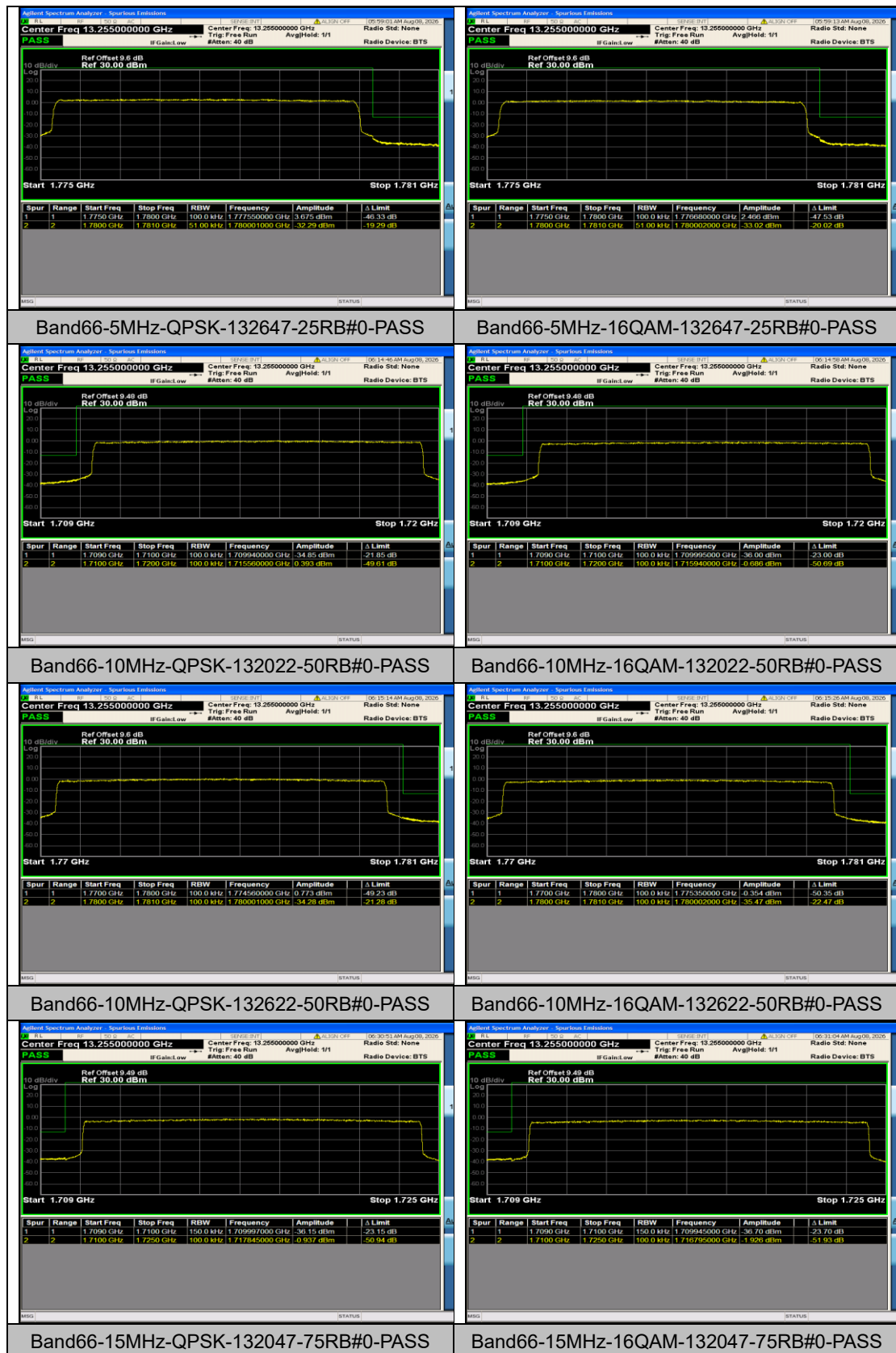
Test Result

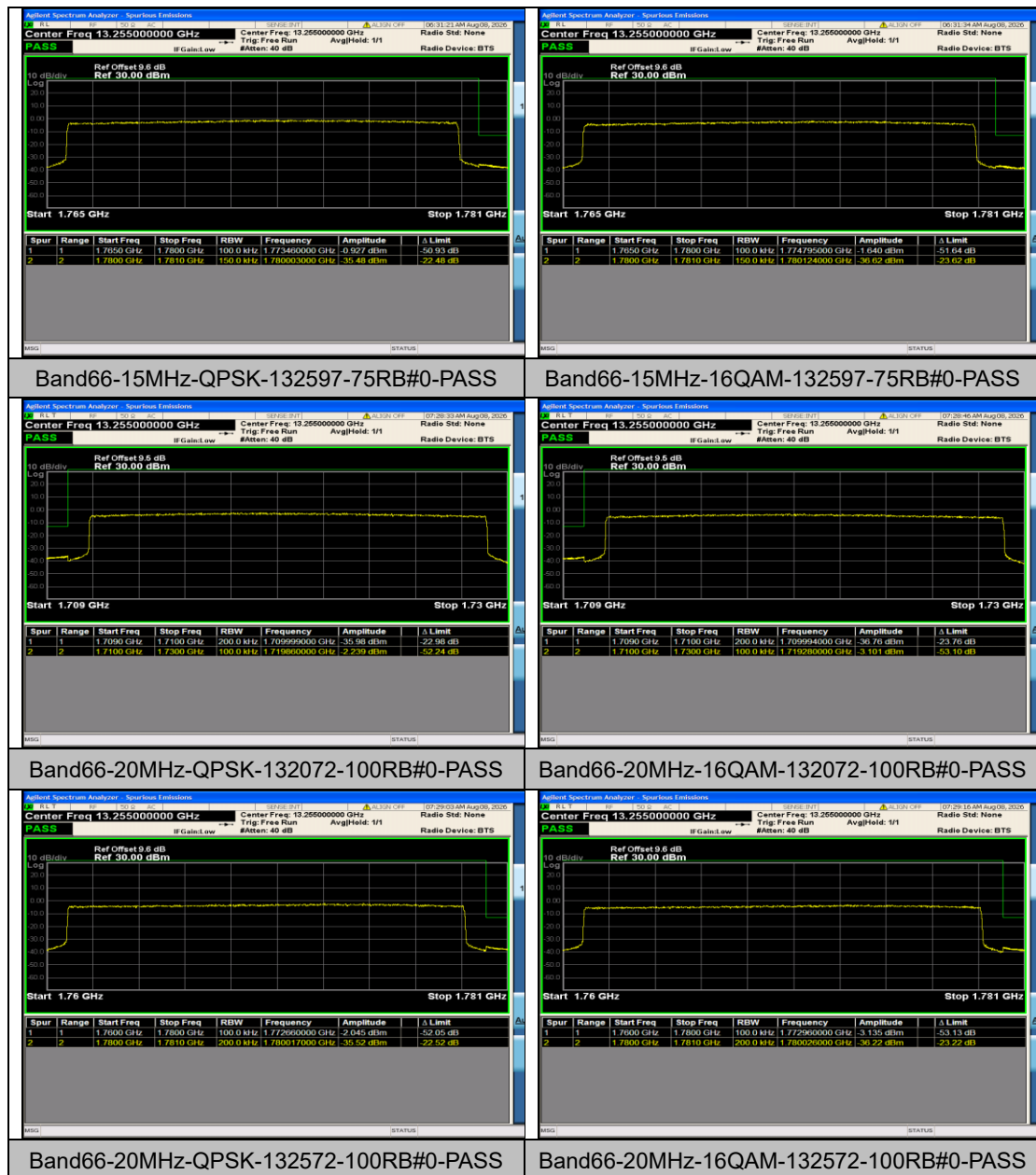
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	-38.19	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-35.79	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-29.14	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-29.12	PASS
Band66	3MHz	QPSK	131987	15RB#0	-30.37	PASS
Band66	3MHz	16QAM	131987	15RB#0	-32.13	PASS
Band66	3MHz	QPSK	132657	15RB#0	-31.24	PASS
Band66	3MHz	16QAM	132657	15RB#0	-32.27	PASS
Band66	5MHz	QPSK	131997	25RB#0	-32.50	PASS
Band66	5MHz	16QAM	131997	25RB#0	-33.59	PASS
Band66	5MHz	QPSK	132647	25RB#0	-32.29	PASS
Band66	5MHz	16QAM	132647	25RB#0	-33.02	PASS
Band66	10MHz	QPSK	132022	50RB#0	-34.85	PASS
Band66	10MHz	16QAM	132022	50RB#0	-36.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	-34.28	PASS
Band66	10MHz	16QAM	132622	50RB#0	-35.47	PASS
Band66	15MHz	QPSK	132047	75RB#0	-36.15	PASS
Band66	15MHz	16QAM	132047	75RB#0	-36.70	PASS
Band66	15MHz	QPSK	132597	75RB#0	-35.48	PASS
Band66	15MHz	16QAM	132597	75RB#0	-36.62	PASS
Band66	20MHz	QPSK	132072	100RB#0	-35.98	PASS
Band66	20MHz	16QAM	132072	100RB#0	-36.76	PASS
Band66	20MHz	QPSK	132572	100RB#0	-35.52	PASS
Band66	20MHz	16QAM	132572	100RB#0	-36.22	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	0.009~0.15	-59.65	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	0.15~30	-54.04	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	30~1000	-58.38	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	1000~3000	-26.82	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	3000~20000	-38.22	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	0.009~0.15	-61.01	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	0.15~30	-50.18	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	30~1000	-58.13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1000~3000	-29.90	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	3000~20000	-38.61	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	0.009~0.15	-60.20	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	0.15~30	-50.18	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	30~1000	-57.41	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1000~3000	-48.25	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	3000~20000	-38.65	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	0.009~0.15	-59.94	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	0.15~30	-51.08	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	30~1000	-57.98	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1000~3000	-48.20	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	3000~20000	-38.62	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	0.009~0.15	-60.09	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	0.15~30	-51.86	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	30~1000	-58.32	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1000~3000	-25.52	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	3000~20000	-38.60	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	0.009~0.15	-58.49	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	0.15~30	-52.61	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	30~1000	-57.73	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1000~3000	-27.57	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	3000~20000	-38.53	PASS
Band66	3MHz	QPSK	131987	15RB#0	0.009~0.15	-60.56	PASS
Band66	3MHz	QPSK	131987	15RB#0	0.15~30	-53.35	PASS
Band66	3MHz	QPSK	131987	15RB#0	30~1000	-58.07	PASS
Band66	3MHz	QPSK	131987	15RB#0	1000~3000	-23.22	PASS
Band66	3MHz	QPSK	131987	15RB#0	3000~20000	-38.82	PASS
Band66	3MHz	16QAM	131987	15RB#0	0.009~0.15	-59.42	PASS

Band66	3MHz	16QAM	131987	15RB#0	0.15~30	-52.45	PASS
Band66	3MHz	16QAM	131987	15RB#0	30~1000	-58.39	PASS
Band66	3MHz	16QAM	131987	15RB#0	1000~3000	-22.35	PASS
Band66	3MHz	16QAM	131987	15RB#0	3000~20000	-38.37	PASS
Band66	3MHz	QPSK	132322	15RB#0	0.009~0.15	-59.57	PASS
Band66	3MHz	QPSK	132322	15RB#0	0.15~30	-52.04	PASS
Band66	3MHz	QPSK	132322	15RB#0	30~1000	-57.92	PASS
Band66	3MHz	QPSK	132322	15RB#0	1000~3000	-48.23	PASS
Band66	3MHz	QPSK	132322	15RB#0	3000~20000	-38.69	PASS
Band66	3MHz	16QAM	132322	15RB#0	0.009~0.15	-57.75	PASS
Band66	3MHz	16QAM	132322	15RB#0	0.15~30	-49.57	PASS
Band66	3MHz	16QAM	132322	15RB#0	30~1000	-58.25	PASS
Band66	3MHz	16QAM	132322	15RB#0	1000~3000	-48.22	PASS
Band66	3MHz	16QAM	132322	15RB#0	3000~20000	-38.59	PASS
Band66	3MHz	QPSK	132657	15RB#0	0.009~0.15	-59.13	PASS
Band66	3MHz	QPSK	132657	15RB#0	0.15~30	-50.15	PASS
Band66	3MHz	QPSK	132657	15RB#0	30~1000	-58.06	PASS
Band66	3MHz	QPSK	132657	15RB#0	1000~3000	-21.77	PASS
Band66	3MHz	QPSK	132657	15RB#0	3000~20000	-38.30	PASS
Band66	3MHz	16QAM	132657	15RB#0	0.009~0.15	-58.39	PASS
Band66	3MHz	16QAM	132657	15RB#0	0.15~30	-53.88	PASS
Band66	3MHz	16QAM	132657	15RB#0	30~1000	-57.92	PASS
Band66	3MHz	16QAM	132657	15RB#0	1000~3000	-22.81	PASS
Band66	3MHz	16QAM	132657	15RB#0	3000~20000	-38.87	PASS
Band66	5MHz	QPSK	131997	25RB#0	0.009~0.15	-58.75	PASS
Band66	5MHz	QPSK	131997	25RB#0	0.15~30	-51.99	PASS
Band66	5MHz	QPSK	131997	25RB#0	30~1000	-57.85	PASS
Band66	5MHz	QPSK	131997	25RB#0	1000~3000	-23.36	PASS
Band66	5MHz	QPSK	131997	25RB#0	3000~20000	-38.30	PASS
Band66	5MHz	16QAM	131997	25RB#0	0.009~0.15	-60.10	PASS
Band66	5MHz	16QAM	131997	25RB#0	0.15~30	-53.04	PASS
Band66	5MHz	16QAM	131997	25RB#0	30~1000	-58.30	PASS
Band66	5MHz	16QAM	131997	25RB#0	1000~3000	-23.83	PASS
Band66	5MHz	16QAM	131997	25RB#0	3000~20000	-38.87	PASS
Band66	5MHz	QPSK	132322	25RB#0	0.009~0.15	-60.37	PASS
Band66	5MHz	QPSK	132322	25RB#0	0.15~30	-51.58	PASS
Band66	5MHz	QPSK	132322	25RB#0	30~1000	-58.05	PASS
Band66	5MHz	QPSK	132322	25RB#0	1000~3000	-48.29	PASS
Band66	5MHz	QPSK	132322	25RB#0	3000~20000	-38.61	PASS
Band66	5MHz	16QAM	132322	25RB#0	0.009~0.15	-59.59	PASS
Band66	5MHz	16QAM	132322	25RB#0	0.15~30	-50.45	PASS
Band66	5MHz	16QAM	132322	25RB#0	30~1000	-58.22	PASS
Band66	5MHz	16QAM	132322	25RB#0	1000~3000	-48.12	PASS

Band66	5MHz	16QAM	132322	25RB#0	3000~20000	-38.49	PASS
Band66	5MHz	QPSK	132647	25RB#0	0.009~0.15	-59.49	PASS
Band66	5MHz	QPSK	132647	25RB#0	0.15~30	-51.62	PASS
Band66	5MHz	QPSK	132647	25RB#0	30~1000	-58.23	PASS
Band66	5MHz	QPSK	132647	25RB#0	1000~3000	-22.97	PASS
Band66	5MHz	QPSK	132647	25RB#0	3000~20000	-38.62	PASS
Band66	5MHz	16QAM	132647	25RB#0	0.009~0.15	-58.19	PASS
Band66	5MHz	16QAM	132647	25RB#0	0.15~30	-52.77	PASS
Band66	5MHz	16QAM	132647	25RB#0	30~1000	-57.94	PASS
Band66	5MHz	16QAM	132647	25RB#0	1000~3000	-23.80	PASS
Band66	5MHz	16QAM	132647	25RB#0	3000~20000	-38.72	PASS
Band66	10MHz	QPSK	132022	50RB#0	0.009~0.15	-59.63	PASS
Band66	10MHz	QPSK	132022	50RB#0	0.15~30	-50.78	PASS
Band66	10MHz	QPSK	132022	50RB#0	30~1000	-58.39	PASS
Band66	10MHz	QPSK	132022	50RB#0	1000~3000	-25.35	PASS
Band66	10MHz	QPSK	132022	50RB#0	3000~20000	-38.52	PASS
Band66	10MHz	16QAM	132022	50RB#0	0.009~0.15	-56.62	PASS
Band66	10MHz	16QAM	132022	50RB#0	0.15~30	-52.85	PASS
Band66	10MHz	16QAM	132022	50RB#0	30~1000	-58.33	PASS
Band66	10MHz	16QAM	132022	50RB#0	1000~3000	-25.14	PASS
Band66	10MHz	16QAM	132022	50RB#0	3000~20000	-38.62	PASS
Band66	10MHz	QPSK	132322	50RB#0	0.009~0.15	-60.29	PASS
Band66	10MHz	QPSK	132322	50RB#0	0.15~30	-49.41	PASS
Band66	10MHz	QPSK	132322	50RB#0	30~1000	-57.90	PASS
Band66	10MHz	QPSK	132322	50RB#0	1000~3000	-47.88	PASS
Band66	10MHz	QPSK	132322	50RB#0	3000~20000	-38.42	PASS
Band66	10MHz	16QAM	132322	50RB#0	0.009~0.15	-59.15	PASS
Band66	10MHz	16QAM	132322	50RB#0	0.15~30	-51.99	PASS
Band66	10MHz	16QAM	132322	50RB#0	30~1000	-58.17	PASS
Band66	10MHz	16QAM	132322	50RB#0	1000~3000	-48.33	PASS
Band66	10MHz	16QAM	132322	50RB#0	3000~20000	-38.68	PASS
Band66	10MHz	QPSK	132622	50RB#0	0.009~0.15	-59.90	PASS
Band66	10MHz	QPSK	132622	50RB#0	0.15~30	-52.77	PASS
Band66	10MHz	QPSK	132622	50RB#0	30~1000	-57.47	PASS
Band66	10MHz	QPSK	132622	50RB#0	1000~3000	-24.98	PASS
Band66	10MHz	QPSK	132622	50RB#0	3000~20000	-38.42	PASS
Band66	10MHz	16QAM	132622	50RB#0	0.009~0.15	-60.20	PASS
Band66	10MHz	16QAM	132622	50RB#0	0.15~30	-51.81	PASS
Band66	10MHz	16QAM	132622	50RB#0	30~1000	-58.01	PASS
Band66	10MHz	16QAM	132622	50RB#0	1000~3000	-26.21	PASS
Band66	10MHz	16QAM	132622	50RB#0	3000~20000	-38.94	PASS
Band66	15MHz	QPSK	132047	75RB#0	0.009~0.15	-58.61	PASS
Band66	15MHz	QPSK	132047	75RB#0	0.15~30	-52.52	PASS