

FCC Appendix RF Test Data for LTE Band 66

Company: : **BEIJING MERA TECHNOLOGY Co., Ltd**

EUT : **OxiLeash Pet GPS Tracker**

Model Number : **MP02**

FCC ID : **2BVG4-MP02**

Report No. : **CTA26020500706**

Reviewed By : **Eric Wang**

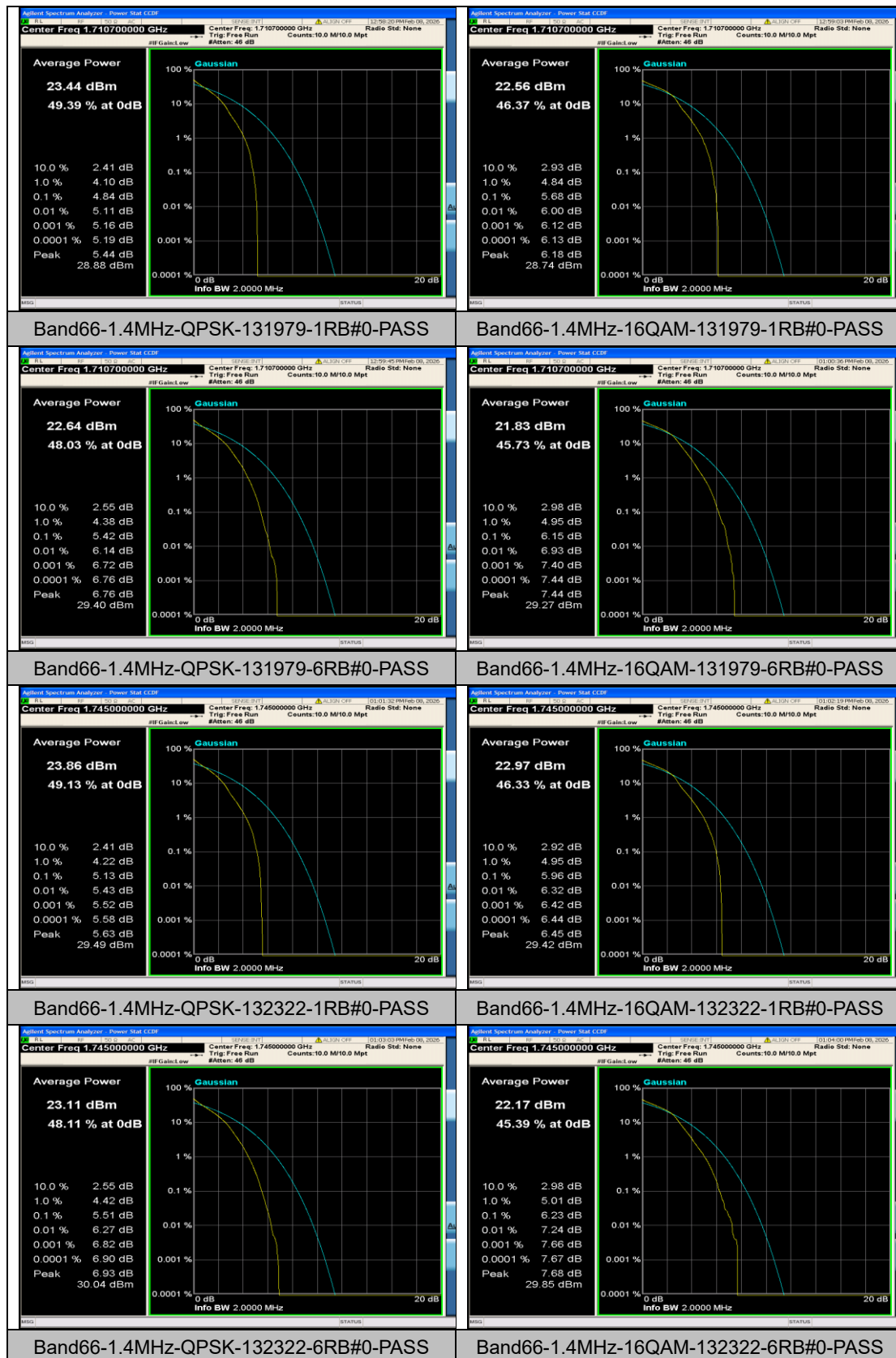
Appendix A: Peak-to-Average Ratio(CCDF)

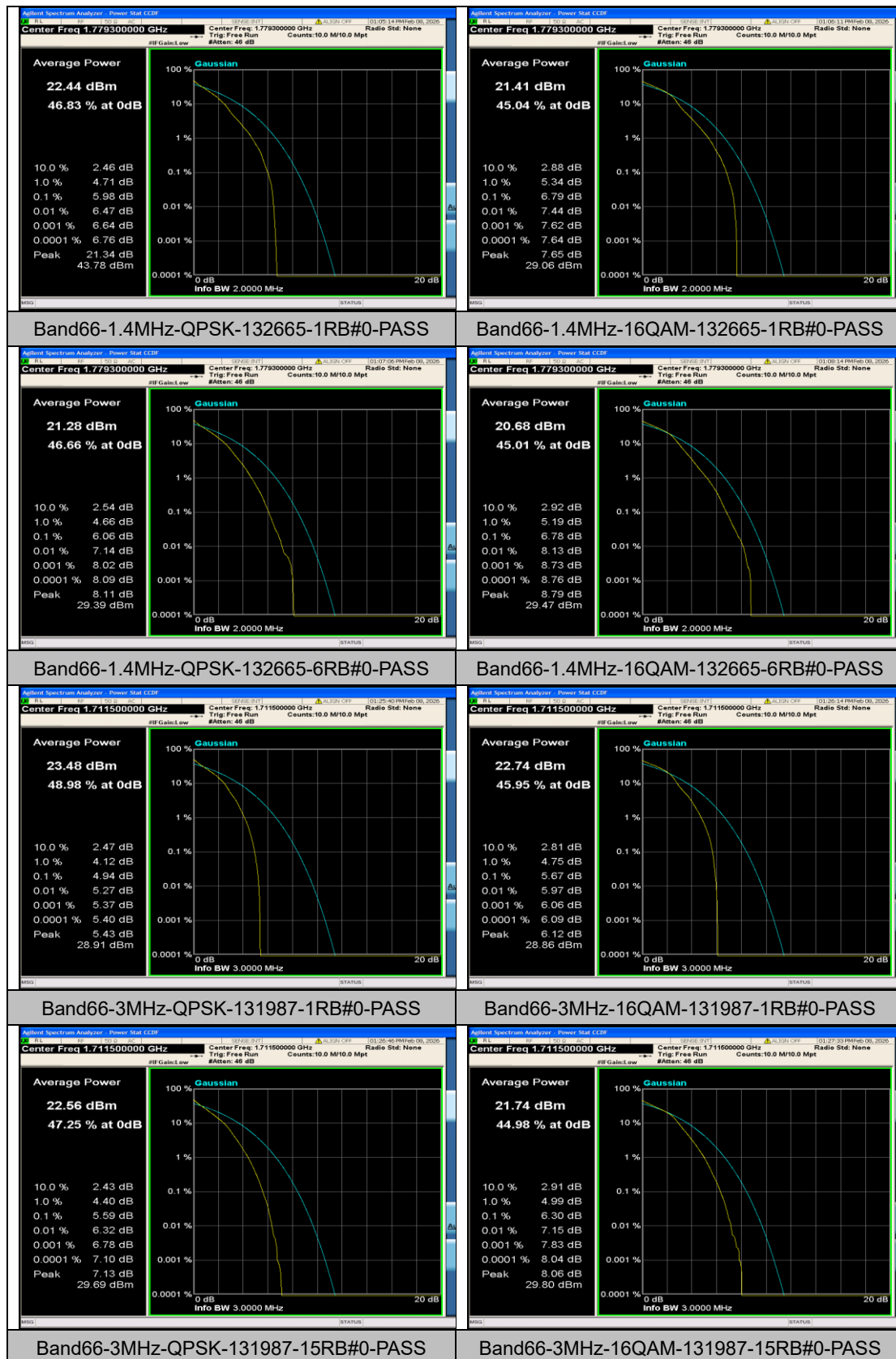
Test Result

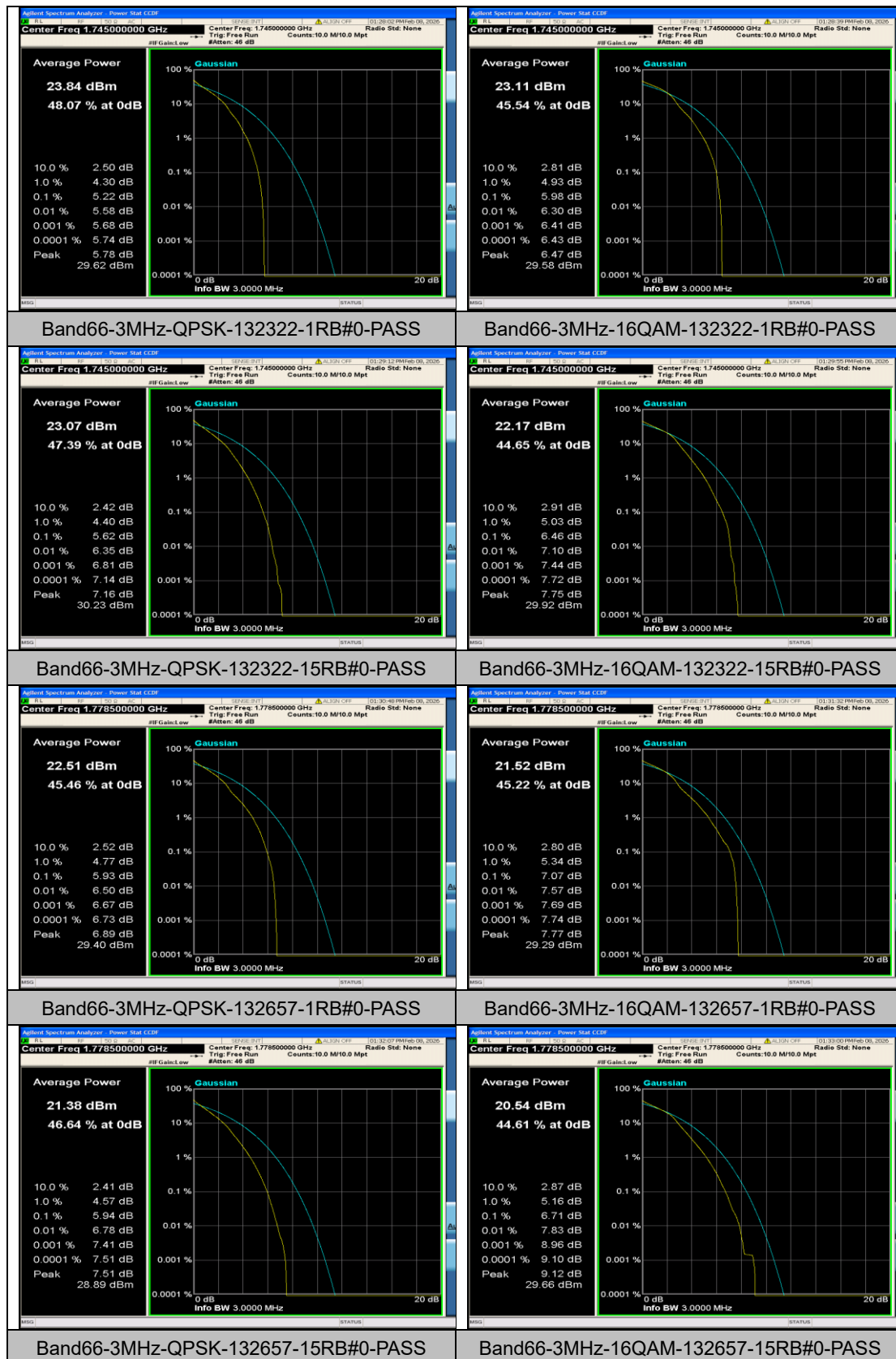
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	4.84	13	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	5.68	13	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	5.42	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	6.15	13	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	5.13	13	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	5.96	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.51	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	6.23	13	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	5.98	13	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	6.79	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	6.06	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	6.78	13	PASS
Band66	3MHz	QPSK	131987	1RB#0	4.94	13	PASS
Band66	3MHz	16QAM	131987	1RB#0	5.67	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.59	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.30	13	PASS
Band66	3MHz	QPSK	132322	1RB#0	5.22	13	PASS
Band66	3MHz	16QAM	132322	1RB#0	5.98	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.62	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	6.46	13	PASS
Band66	3MHz	QPSK	132657	1RB#0	5.93	13	PASS
Band66	3MHz	16QAM	132657	1RB#0	7.07	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	5.94	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	6.71	13	PASS
Band66	5MHz	QPSK	131997	1RB#0	4.85	13	PASS
Band66	5MHz	16QAM	131997	1RB#0	5.41	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.66	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.28	13	PASS
Band66	5MHz	QPSK	132322	1RB#0	5.23	13	PASS
Band66	5MHz	16QAM	132322	1RB#0	5.76	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.61	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	6.27	13	PASS
Band66	5MHz	QPSK	132647	1RB#0	5.95	13	PASS
Band66	5MHz	16QAM	132647	1RB#0	6.52	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	5.98	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	6.62	13	PASS
Band66	10MHz	QPSK	132022	1RB#0	4.94	13	PASS

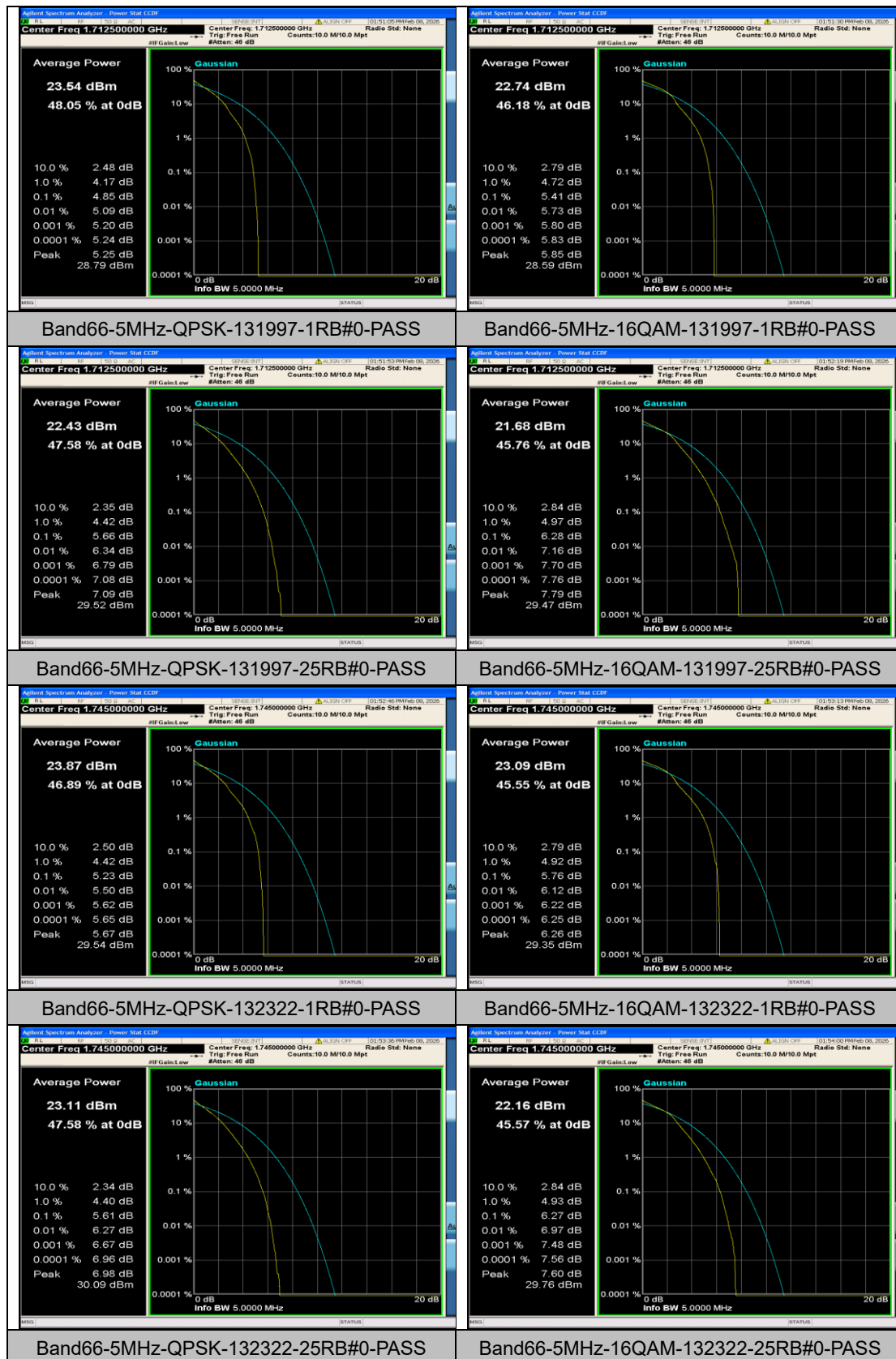
Band66	10MHz	16QAM	132022	1RB#0	5.62	13	PASS
Band66	10MHz	QPSK	132322	1RB#0	5.59	13	PASS
Band66	10MHz	16QAM	132322	1RB#0	6.69	13	PASS
Band66	10MHz	QPSK	132622	1RB#0	5.60	13	PASS
Band66	10MHz	16QAM	132622	1RB#0	6.76	13	PASS
Band66	15MHz	QPSK	132047	1RB#0	4.93	13	PASS
Band66	15MHz	16QAM	132047	1RB#0	5.70	13	PASS
Band66	15MHz	QPSK	132322	1RB#0	6.18	13	PASS
Band66	15MHz	16QAM	132322	1RB#0	6.56	13	PASS
Band66	15MHz	QPSK	132597	1RB#0	5.71	13	PASS
Band66	15MHz	16QAM	132597	1RB#0	6.30	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.56	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.43	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	5.67	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	6.07	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	8.41	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	8.41	13	PASS
Band66	20MHz	QPSK	132072	1RB#0	4.87	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	8.42	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	8.42	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.64	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.84	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	8.41	13	PASS

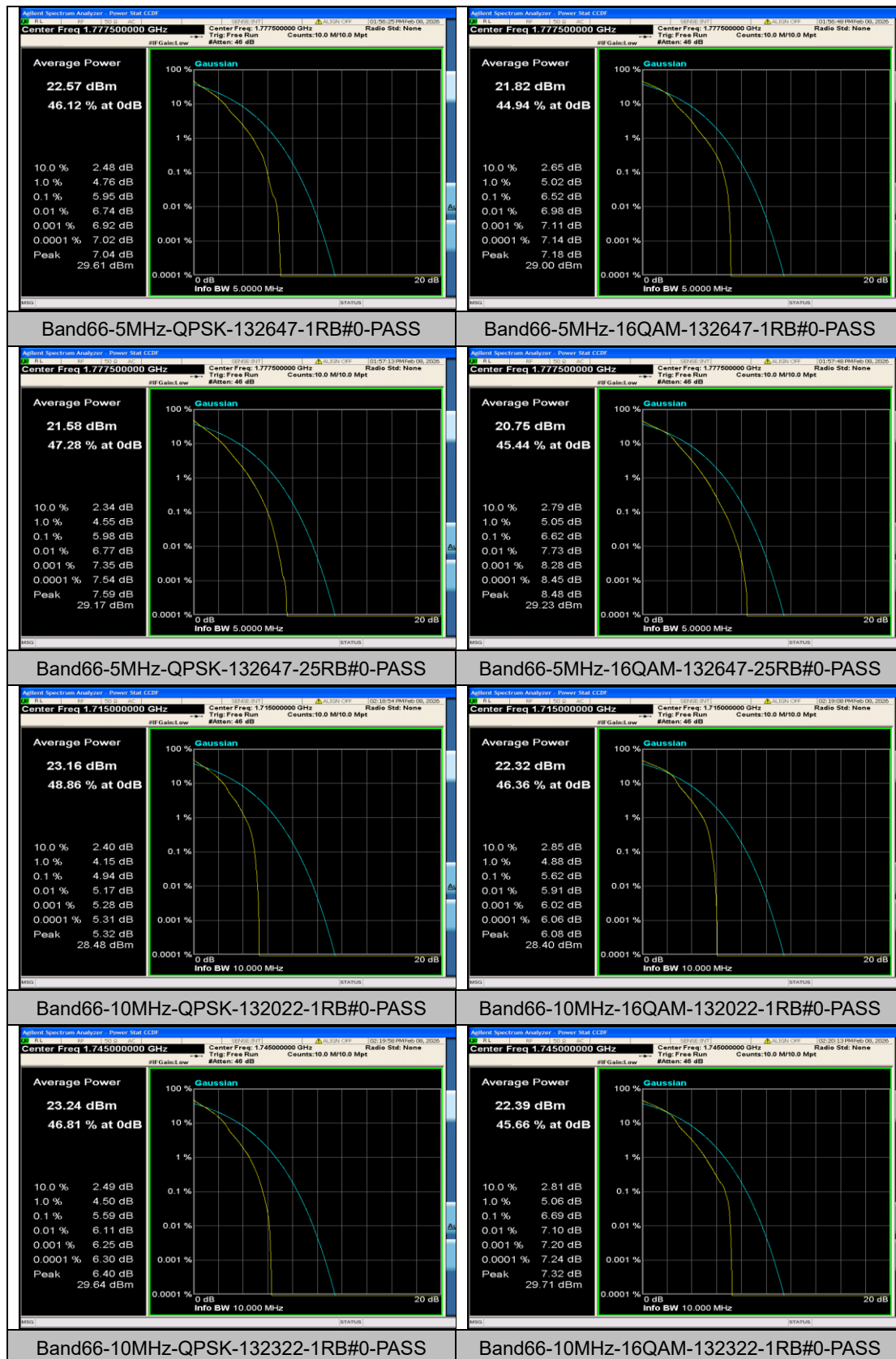
Test Graphs

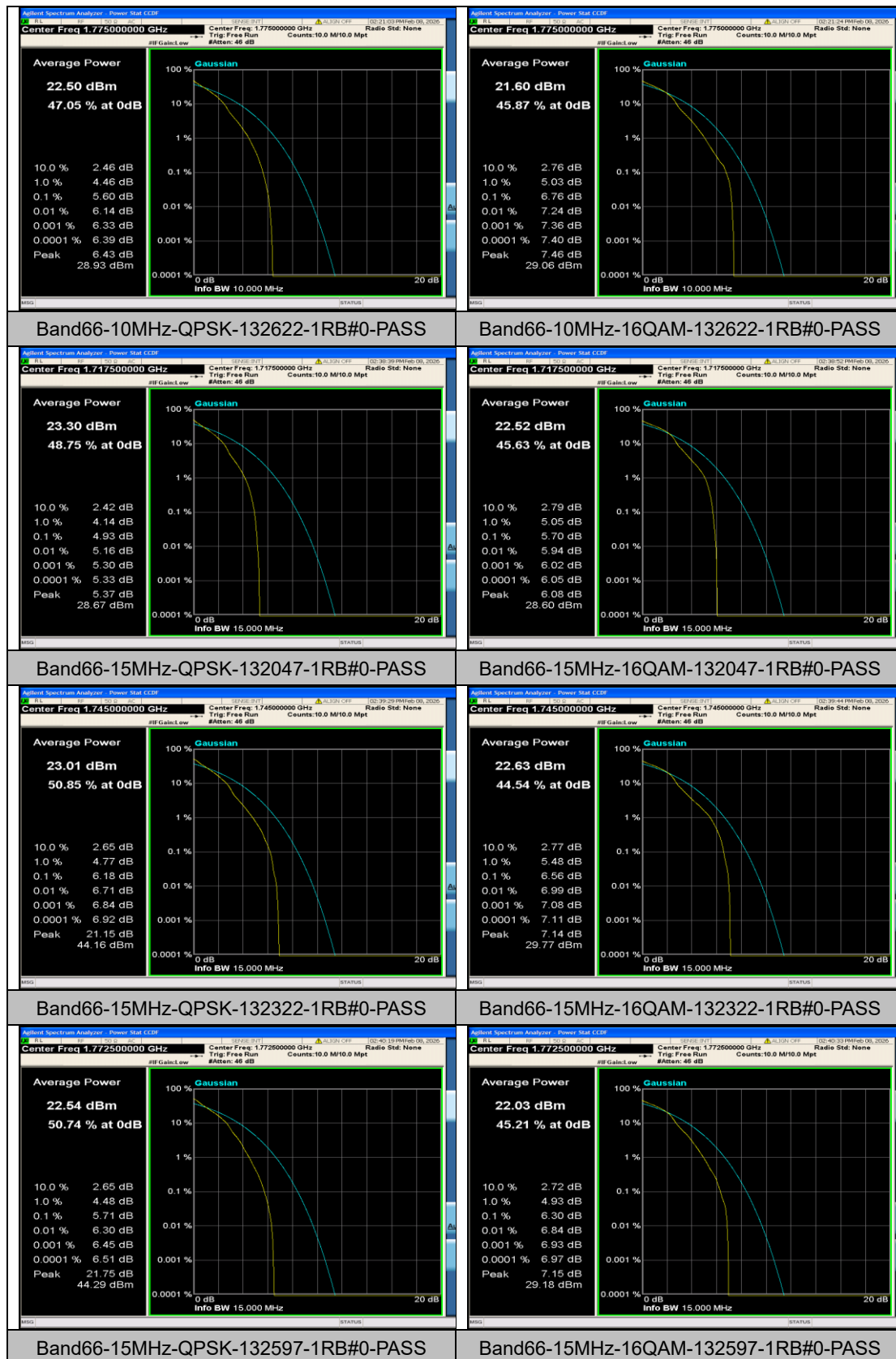


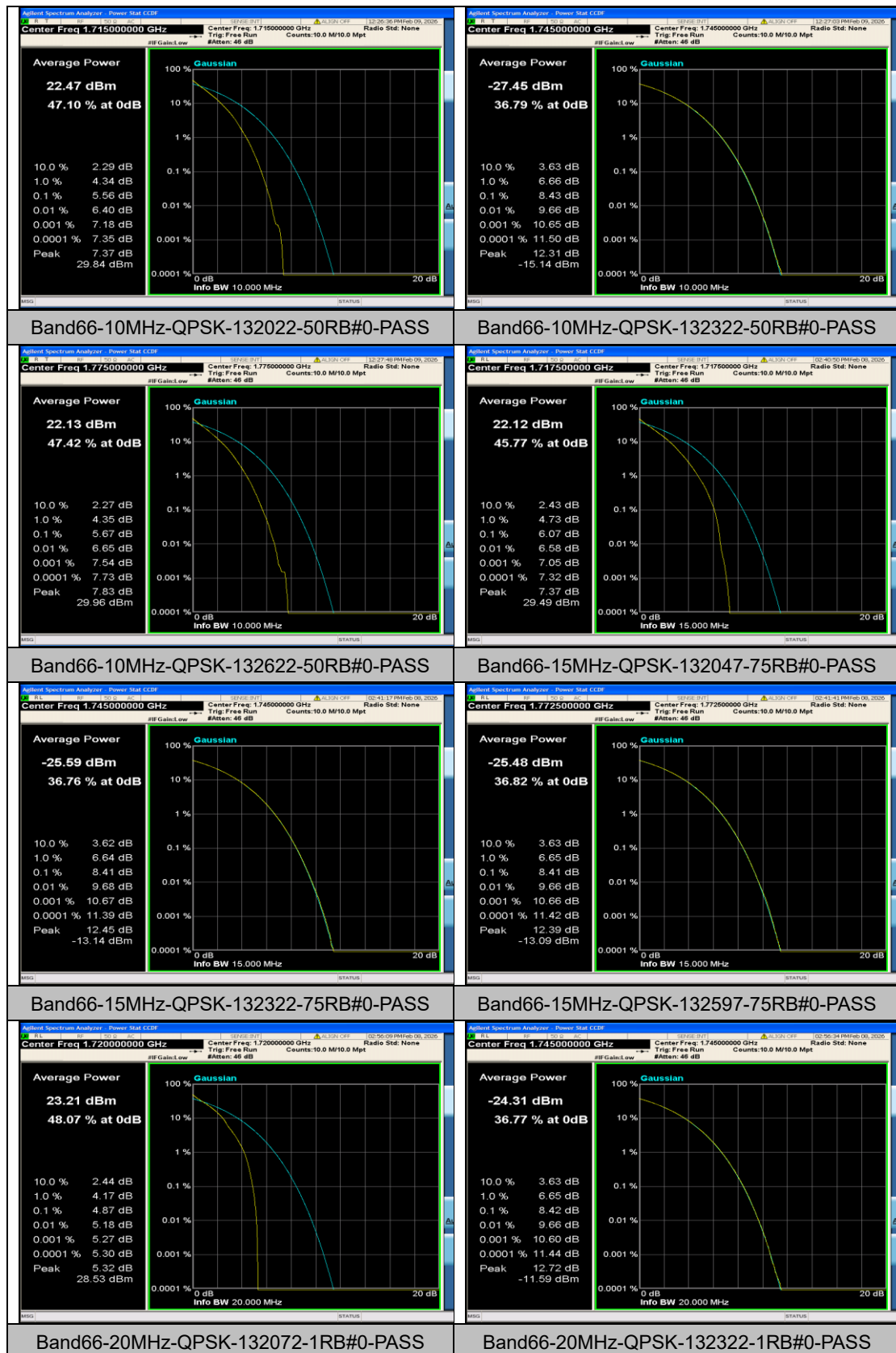


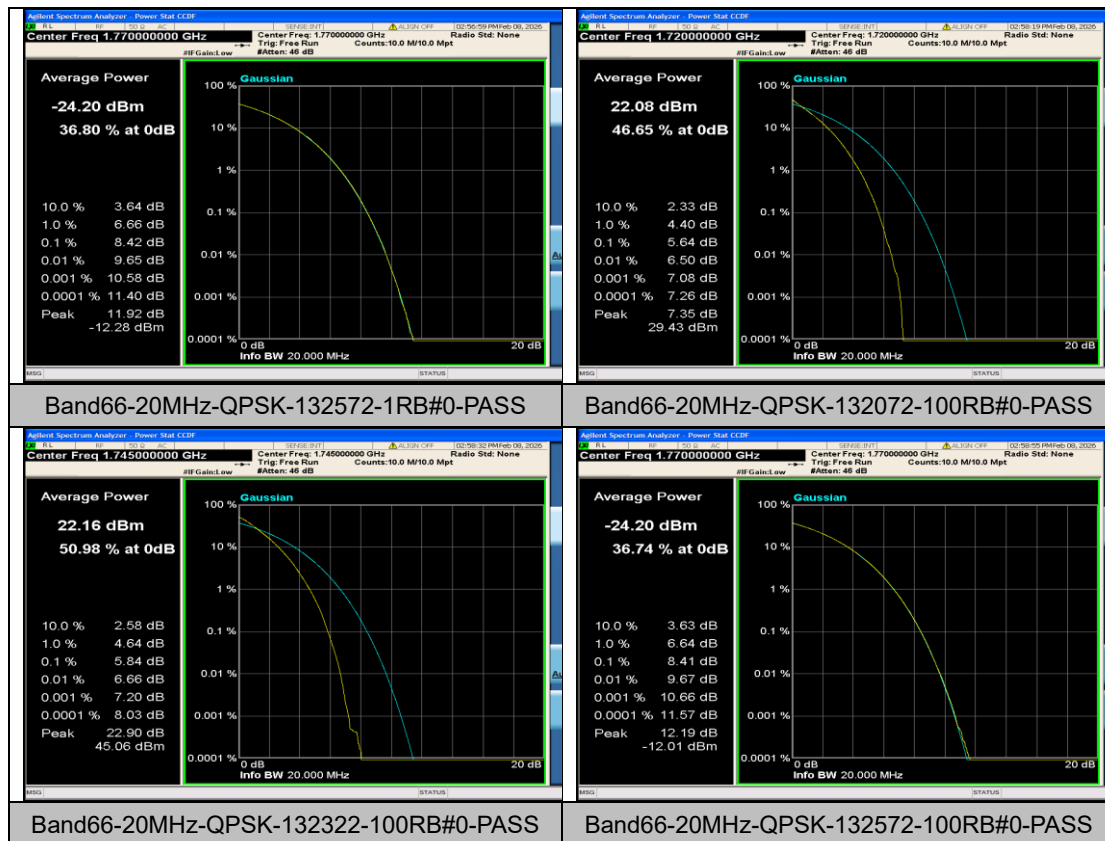












Appendix B: 26dB Bandwidth and Occupied Bandwidth

Test Result

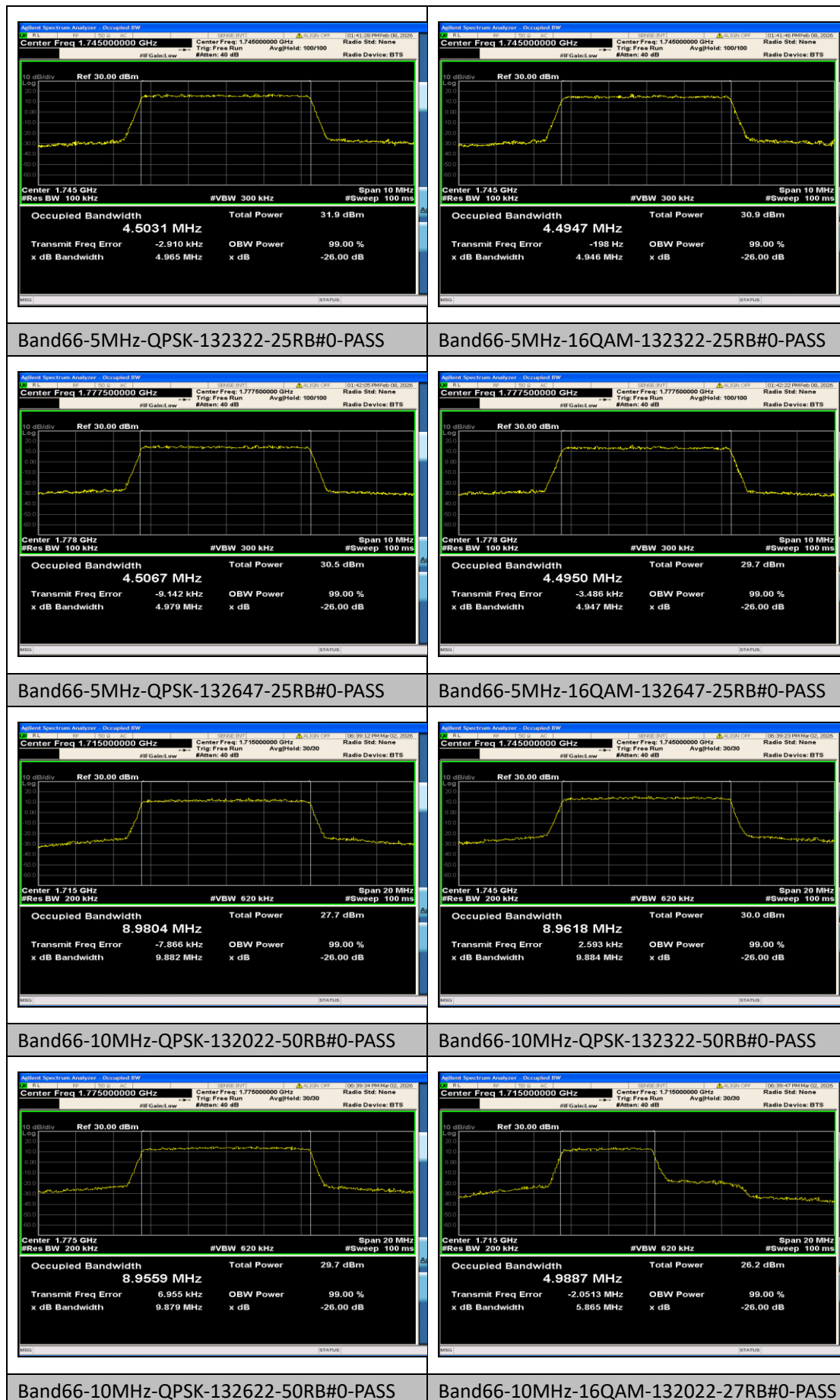
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0913	1.271	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0922	1.270	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0893	1.278	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0947	1.275	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0910	1.275	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0935	1.280	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6912	2.922	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6971	2.919	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6959	2.921	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6876	2.925	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6852	2.933	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6927	2.930	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5046	4.961	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5031	4.965	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5067	4.979	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4956	4.953	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4947	4.946	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4950	4.947	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9804	9.882	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9618	9.884	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9559	9.879	PASS
Band66	10MHz	16QAM	132022	27RB#0	4.9887	5.865	PASS
Band66	10MHz	16QAM	132322	27RB#0	4.9865	5.863	PASS
Band66	10MHz	16QAM	132622	27RB#0	5.0132	5.926	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.437	14.72	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.417	14.75	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.424	14.64	PASS
Band66	15MHz	16QAM	132047	27RB#0	5.1072	6.038	PASS
Band66	15MHz	16QAM	132322	27RB#0	5.1018	6.074	PASS
Band66	15MHz	16QAM	132597	27RB#0	5.0946	6.032	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.916	19.57	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.859	19.33	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.913	19.41	PASS
Band66	20MHz	16QAM	132322	27RB#0	5.2695	6.544	PASS

Band66	20MHz	16QAM	132572	27RB#0	5.2700	6.507	PASS
Band66	20MHz	16QAM	132072	27RB#0	5.2472	6.371	PASS

Test Graphs



Center Freq 1.71200000 GHz Occupied Bandwidth 2.6912 MHz Total Power 31.0 dBm Transmit Freq Error -408 Hz x dB Bandwidth 2.922 MHz	Center Freq 1.71200000 GHz Occupied Bandwidth 2.6876 MHz Total Power 29.9 dBm Transmit Freq Error -1.020 kHz x dB Bandwidth 2.925 MHz
Band66-3MHz-QPSK-131987-15RB#0-PASS	Band66-3MHz-16QAM-131987-15RB#0-PASS
Center Freq 1.74500000 GHz Occupied Bandwidth 2.6971 MHz Total Power 31.1 dBm Transmit Freq Error 701 Hz x dB Bandwidth 2.919 MHz	Center Freq 1.74500000 GHz Occupied Bandwidth 2.6852 MHz Total Power 30.1 dBm Transmit Freq Error 747 Hz x dB Bandwidth 2.933 MHz
Band66-3MHz-QPSK-132322-15RB#0-PASS	Band66-3MHz-16QAM-132322-15RB#0-PASS
Center Freq 1.77900000 GHz Occupied Bandwidth 2.6959 MHz Total Power 29.8 dBm Transmit Freq Error -4.107 kHz x dB Bandwidth 2.921 MHz	Center Freq 1.77900000 GHz Occupied Bandwidth 2.6927 MHz Total Power 28.9 dBm Transmit Freq Error -3.108 kHz x dB Bandwidth 2.930 MHz
Band66-3MHz-QPSK-132657-15RB#0-PASS	Band66-3MHz-16QAM-132657-15RB#0-PASS
Center Freq 1.71300000 GHz Occupied Bandwidth 4.5046 MHz Total Power 31.3 dBm Transmit Freq Error -9.016 kHz x dB Bandwidth 4.961 MHz	Center Freq 1.71300000 GHz Occupied Bandwidth 4.4956 MHz Total Power 30.5 dBm Transmit Freq Error -5.854 kHz x dB Bandwidth 4.953 MHz
Band66-5MHz-QPSK-131997-25RB#0-PASS	Band66-5MHz-16QAM-131997-25RB#0-PASS





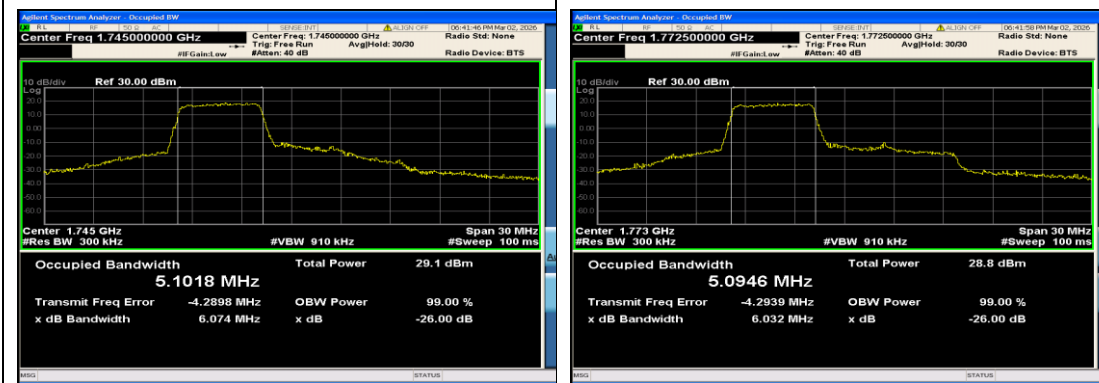
Band66-10MHz-16QAM-132322-27RB#0-PASS Band66-10MHz-16QAM-132622-27RB#0-PASS



Band66-15MHz-QPSK-132047-75RB#0-PASS Band66-15MHz-QPSK-132322-75RB#0-PASS



Band66-15MHz-QPSK-132597-75RB#0-PASS Band66-15MHz-16QAM-132047-27RB#0-PASS

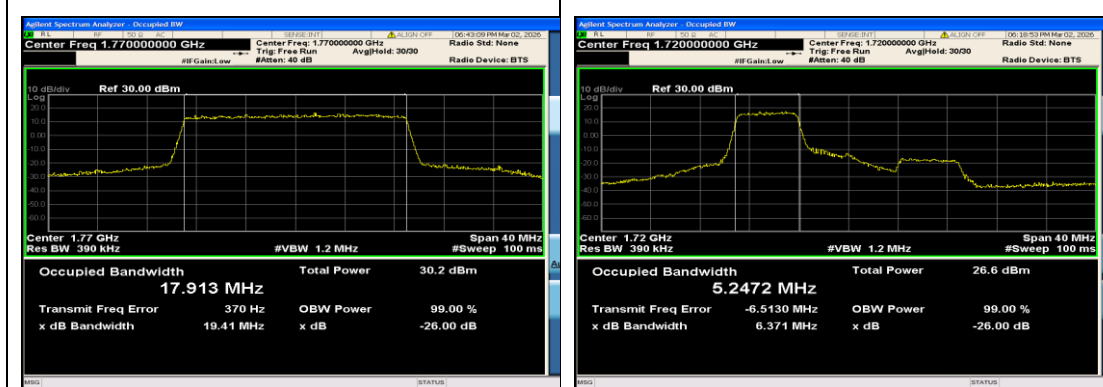


Band66-15MHz-16QAM-132322-27RB#0-PASS Band66-15MHz-16QAM-132597-27RB#0-PASS



Band66-20MHz-QPSK-132072-100RB#0-PASS

Band66-20MHz-QPSK-132322-100RB#0-PASS



Band66-20MHz-QPSK-132572-100RB#0-PASS

Band66-20MHz-16QAM-132072-27RB#0-PASS



Band66-20MHz-16QAM-132322-27RB#0-PASS

Band66-20MHz-16QAM-132572-27RB#0-PASS

Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-21.12	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	-23.60	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	-29.74	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	-31.19	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-30.19	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-26.30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	-31.94	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	-33.09	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-26.31	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	-29.77	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-29.47	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-30.33	PASS
Band66	3MHz	QPSK	131987	1RB#0	-24.85	PASS
Band66	3MHz	16QAM	131987	1RB#0	-24.31	PASS
Band66	3MHz	QPSK	131987	1RB#14	-30.50	PASS
Band66	3MHz	16QAM	131987	1RB#14	-31.53	PASS
Band66	3MHz	QPSK	131987	15RB#0	-27.97	PASS
Band66	3MHz	16QAM	131987	15RB#0	-28.48	PASS
Band66	3MHz	QPSK	132657	1RB#0	-32.97	PASS
Band66	3MHz	16QAM	132657	1RB#0	-33.90	PASS
Band66	3MHz	QPSK	132657	1RB#14	-24.44	PASS
Band66	3MHz	16QAM	132657	1RB#14	-26.17	PASS
Band66	3MHz	QPSK	132657	15RB#0	-30.65	PASS
Band66	3MHz	16QAM	132657	15RB#0	-31.60	PASS
Band66	5MHz	QPSK	131997	1RB#0	-26.08	PASS
Band66	5MHz	16QAM	131997	1RB#0	-26.53	PASS
Band66	5MHz	QPSK	131997	1RB#24	-33.84	PASS
Band66	5MHz	16QAM	131997	1RB#24	-35.24	PASS
Band66	5MHz	QPSK	131997	25RB#0	-29.65	PASS
Band66	5MHz	16QAM	131997	25RB#0	-29.96	PASS
Band66	5MHz	QPSK	132647	1RB#0	-36.10	PASS
Band66	5MHz	16QAM	132647	1RB#0	-37.14	PASS
Band66	5MHz	QPSK	132647	1RB#24	-26.19	PASS
Band66	5MHz	16QAM	132647	1RB#24	-27.38	PASS
Band66	5MHz	QPSK	132647	25RB#0	-32.78	PASS
Band66	5MHz	16QAM	132647	25RB#0	-33.38	PASS
Band66	10MHz	QPSK	132022	1RB#0	-34.34	PASS

Band66	10MHz	16QAM	132022	1RB#0	-36.89	PASS
Band66	10MHz	QPSK	132022	1RB#49	-43.43	PASS
Band66	10MHz	16QAM	132022	1RB#49	-43.61	PASS
Band66	10MHz	QPSK	132622	1RB#0	-43.42	PASS
Band66	10MHz	16QAM	132622	1RB#0	-43.88	PASS
Band66	10MHz	QPSK	132622	1RB#49	-35.95	PASS
Band66	10MHz	16QAM	132622	1RB#49	-38.35	PASS
Band66	10MHz	QPSK	132022	50RB#0	-31.52	PASS
Band66	10MHz	QPSK	132622	50RB#0	-33.94	PASS
Band66	15MHz	QPSK	132047	1RB#0	-37.89	PASS
Band66	15MHz	16QAM	132047	1RB#0	-38.62	PASS
Band66	15MHz	QPSK	132047	1RB#74	-37.40	PASS
Band66	15MHz	16QAM	132047	1RB#74	-37.32	PASS
Band66	15MHz	QPSK	132597	1RB#0	-39.98	PASS
Band66	15MHz	16QAM	132597	1RB#0	-40.43	PASS
Band66	15MHz	QPSK	132597	1RB#74	-37.89	PASS
Band66	15MHz	16QAM	132597	1RB#74	-38.64	PASS
Band66	15MHz	QPSK	132047	75RB#0	-32.26	PASS
Band66	15MHz	QPSK	132597	75RB#0	-35.50	PASS
Band66	20MHz	QPSK	132072	1RB#0	-37.51	PASS
Band66	20MHz	16QAM	132072	1RB#0	-38.24	PASS
Band66	20MHz	QPSK	132072	1RB#99	-41.70	PASS
Band66	20MHz	16QAM	132072	1RB#99	-41.96	PASS
Band66	20MHz	QPSK	132572	1RB#0	-41.72	PASS
Band66	20MHz	16QAM	132572	1RB#0	-42.45	PASS
Band66	20MHz	QPSK	132572	1RB#99	-39.63	PASS
Band66	20MHz	16QAM	132572	1RB#99	-40.42	PASS
Band66	20MHz	QPSK	132072	100RB#0	-32.89	PASS
Band66	20MHz	QPSK	132572	100RB#0	-35.69	PASS

Test Graphs

