

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	ERP/EIRP (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.58	21.15	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.69	21.26	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.60	21.17	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.67	21.24	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.71	21.28	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.68	21.25	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.60	20.17	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.50	20.07	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.84	20.41	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.50	20.07	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.49	20.06	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.65	20.22	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.49	20.06	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.73	19.3	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.61	21.18	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.80	21.37	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.64	21.21	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.70	21.27	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.72	21.29	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.76	21.33	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.63	20.2	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.46	20.03	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.93	20.5	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.47	20.04	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.54	20.11	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.63	20.2	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.53	20.1	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.54	19.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.63	21.2	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.82	21.39	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.64	21.21	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.69	21.26	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.78	21.35	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.73	21.3	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.75	20.32	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.41	19.98	PASS

Band5	1.4MHz	16QAM	20643	1RB#2	22.77	20.34	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.49	20.06	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.49	20.06	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.65	20.22	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.49	20.06	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.69	19.26	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.56	21.13	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.63	21.2	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.62	21.19	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.58	20.15	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.70	20.27	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.66	20.23	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.59	20.16	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.37	19.94	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.64	20.21	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.67	20.24	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.75	19.32	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.73	19.3	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.71	19.28	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.60	19.17	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.62	21.19	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.66	21.23	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.64	21.21	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.68	20.25	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.64	20.21	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.63	20.2	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.65	20.22	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.39	19.96	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.60	20.17	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.42	19.99	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.78	19.35	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.66	19.23	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.81	19.38	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.71	19.28	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.61	21.18	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.72	21.29	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.68	21.25	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.74	20.31	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.73	20.3	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.65	20.22	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.62	20.19	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.36	19.93	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.56	20.13	PASS

Band5	3MHz	16QAM	20635	1RB#14	22.44	20.01	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.66	19.23	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.57	19.14	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.63	19.2	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.54	19.11	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.57	21.14	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.01	21.58	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.65	21.22	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.57	20.14	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.68	20.25	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.65	20.22	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.64	20.21	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.55	20.12	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.82	20.39	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.63	20.2	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.64	19.21	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.82	19.39	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.75	19.32	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.75	19.32	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.51	21.08	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.95	21.52	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.46	21.03	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.66	20.23	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.70	20.27	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.58	20.15	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.67	20.24	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.62	20.19	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.91	20.48	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.59	20.16	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.71	19.28	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.78	19.35	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.70	19.27	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.70	19.27	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.53	21.1	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.82	21.39	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.60	21.17	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.60	20.17	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.64	20.21	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.53	20.1	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.55	20.12	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.51	20.08	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.56	20.13	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.50	20.07	PASS

Band5	5MHz	16QAM	20625	12RB#0	21.57	19.14	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.62	19.19	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.40	18.97	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.56	19.13	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.61	21.18	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.82	21.39	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.55	21.12	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.57	20.14	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.61	20.18	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.76	20.33	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.67	20.24	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.58	20.15	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.80	20.37	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.62	20.19	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.63	19.2	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.74	19.31	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.81	19.38	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.74	19.31	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.65	21.22	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.82	21.39	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.60	21.17	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.72	20.29	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.65	20.22	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.61	20.18	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.67	20.24	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.49	20.06	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.87	20.44	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.49	20.06	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.80	19.37	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.76	19.33	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.75	19.32	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.76	19.33	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.57	21.14	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.77	21.34	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.64	21.21	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.63	20.2	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.60	20.17	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.49	20.06	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.56	20.13	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.57	20.14	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.73	20.3	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.63	20.2	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.71	19.28	PASS

Band5	10MHz	16QAM	20600	25RB#12	21.73	19.3	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.49	19.06	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.60	19.17	PASS

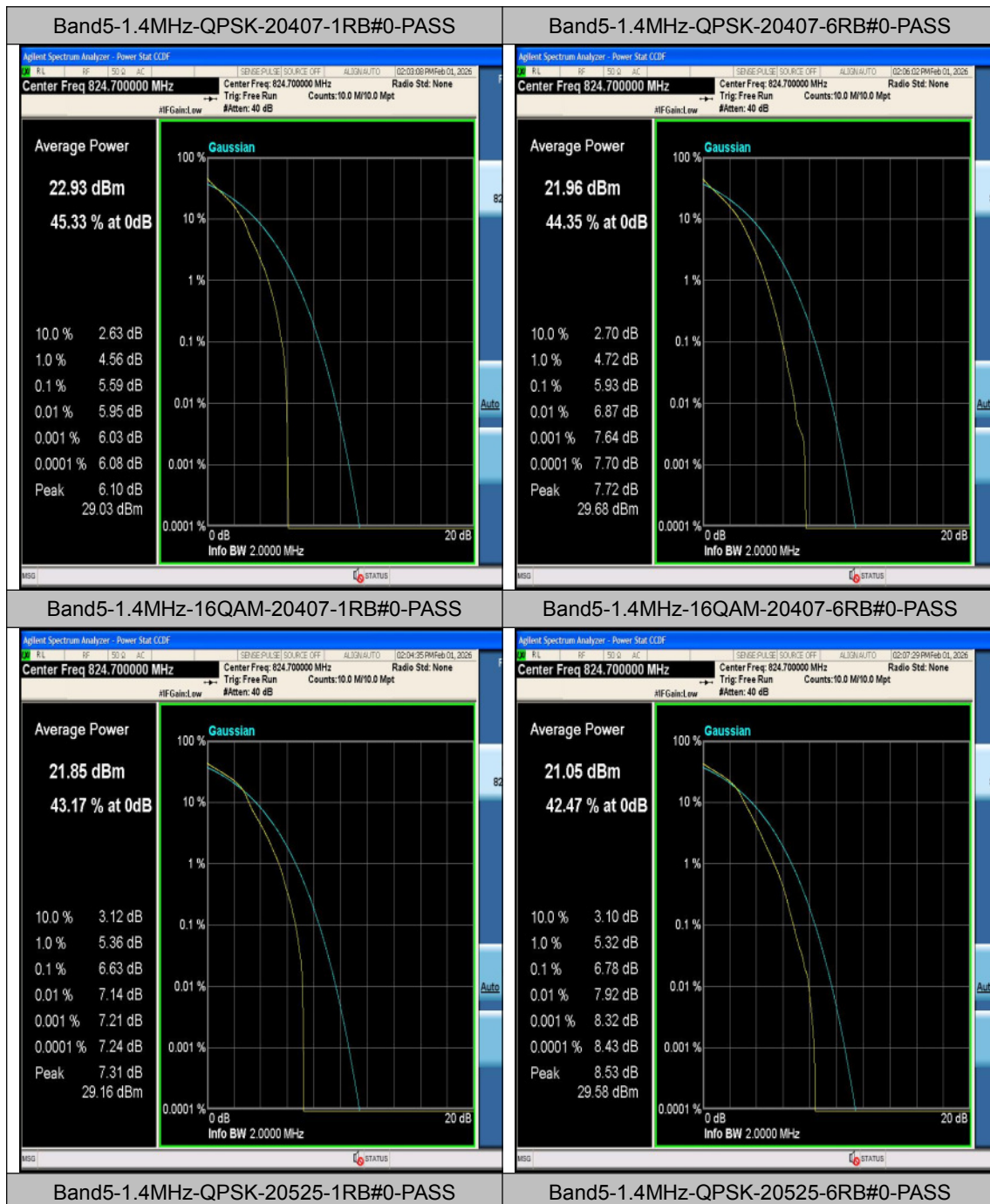
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

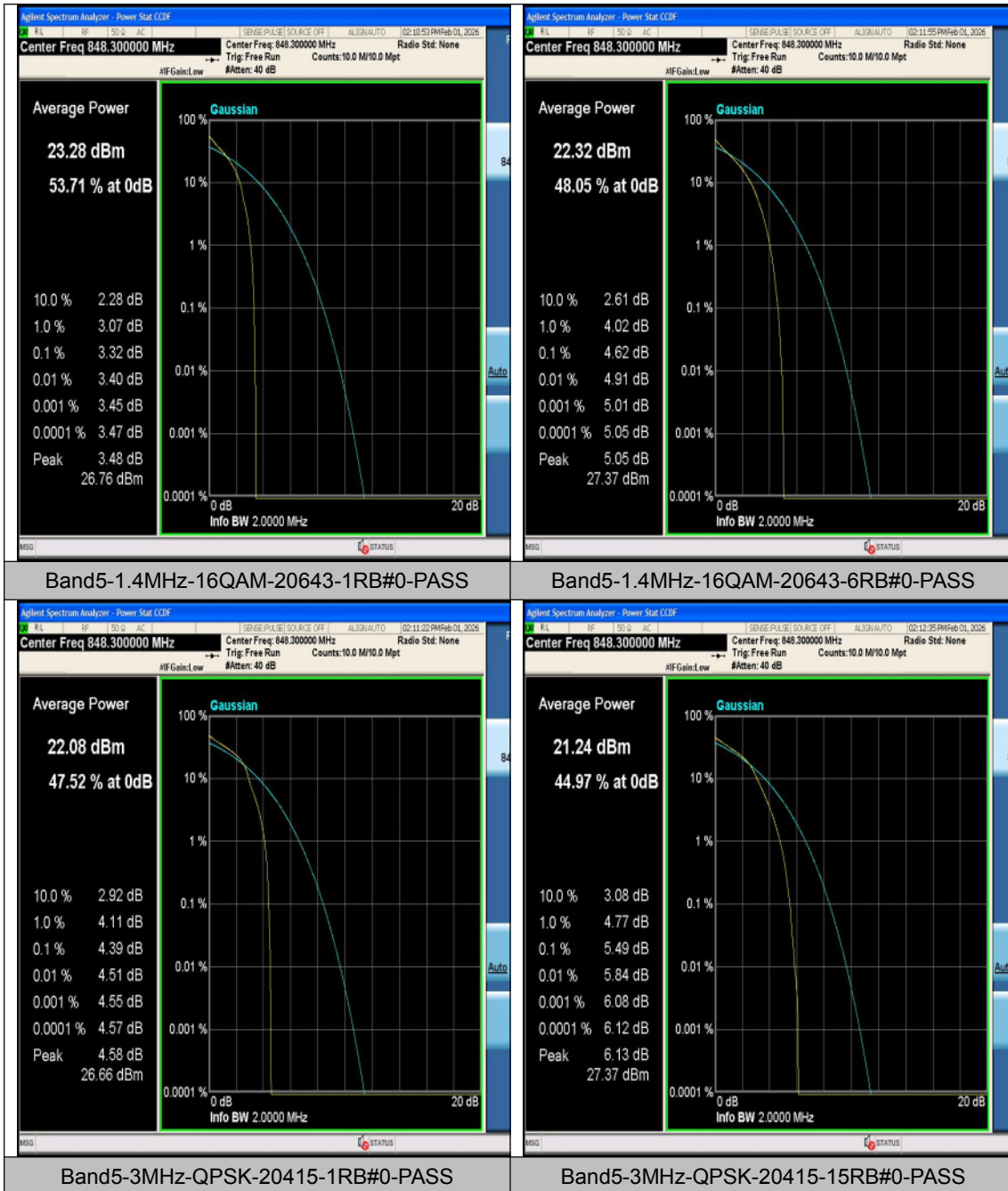
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.59	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.93	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.63	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.78	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.67	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.43	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.74	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.24	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.32	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.62	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.39	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.49	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.67	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.92	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.57	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.81	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.73	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.55	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.60	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.36	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.62	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.96	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.82	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.79	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.77	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.99	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	6.28	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.69	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.86	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.67	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.52	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.39	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.60	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.17	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.39	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.95	13	PASS

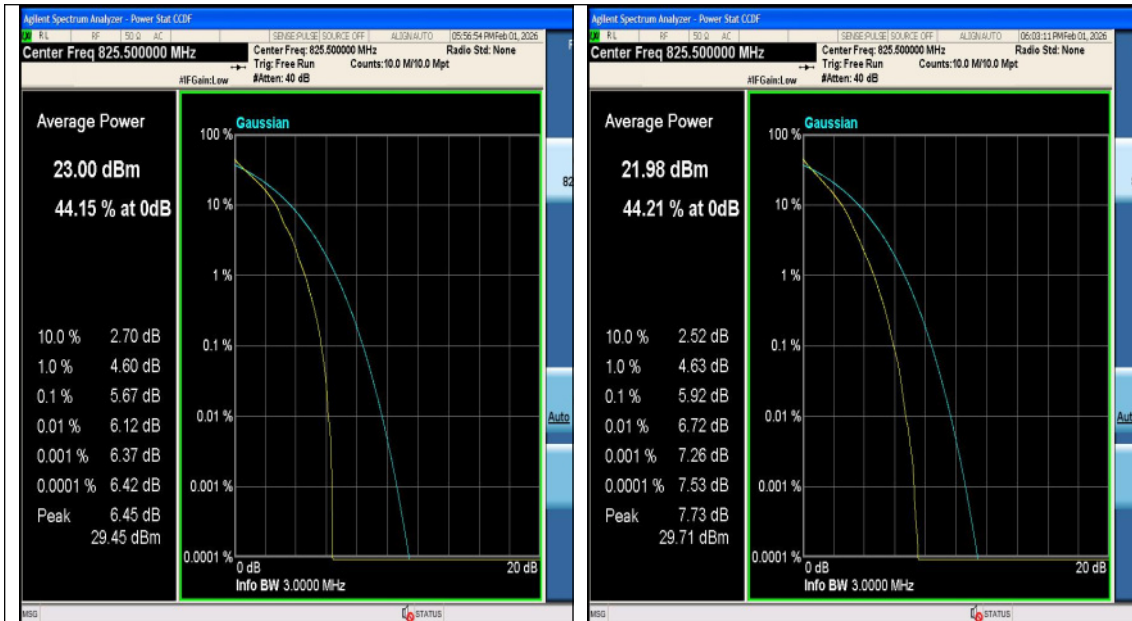
Band5	10MHz	QPSK	20450	1RB#0	5.68	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.87	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.55	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.63	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.04	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.72	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.98	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.45	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.18	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.45	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.03	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.27	13	PASS

Test Graphs









Band5-3MHz-16QAM-20415-1RB#0-PASS

Band5-3MHz-16QAM-20415-15RB#0-PASS



Band5-3MHz-QPSK-20525-1RB#0-PASS

Band5-3MHz-QPSK-20525-15RB#0-PASS



Band5-3MHz-16QAM-20525-1RB#0-PASS

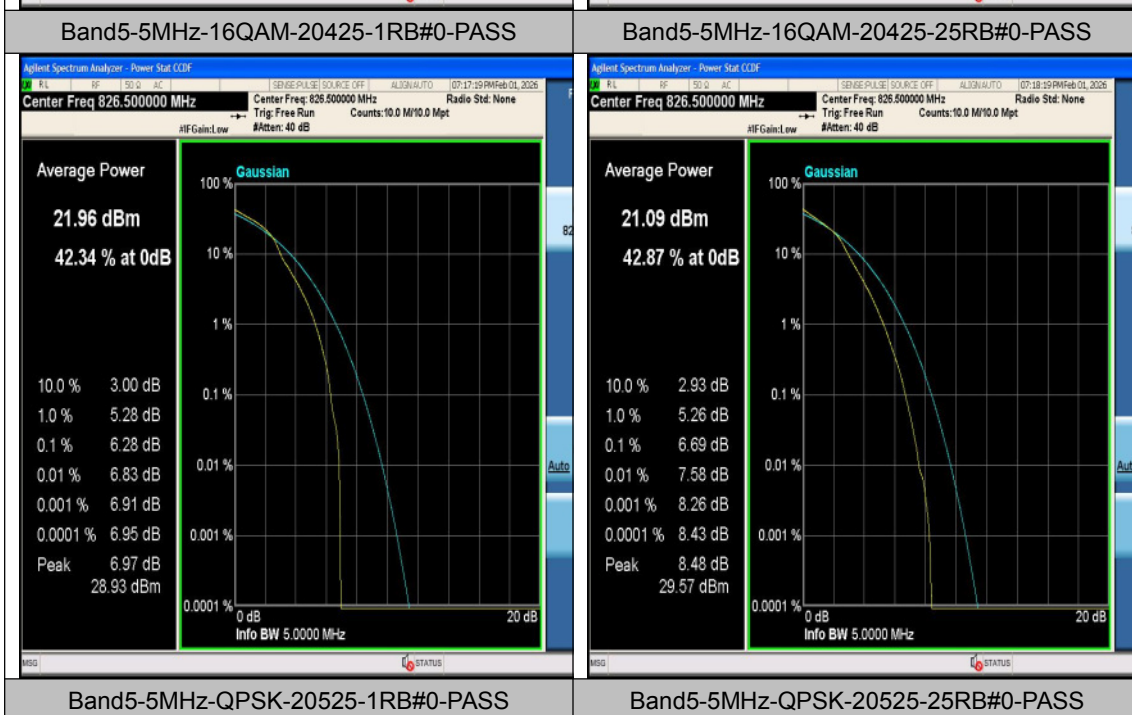
Band5-3MHz-16QAM-20525-15RB#0-PASS



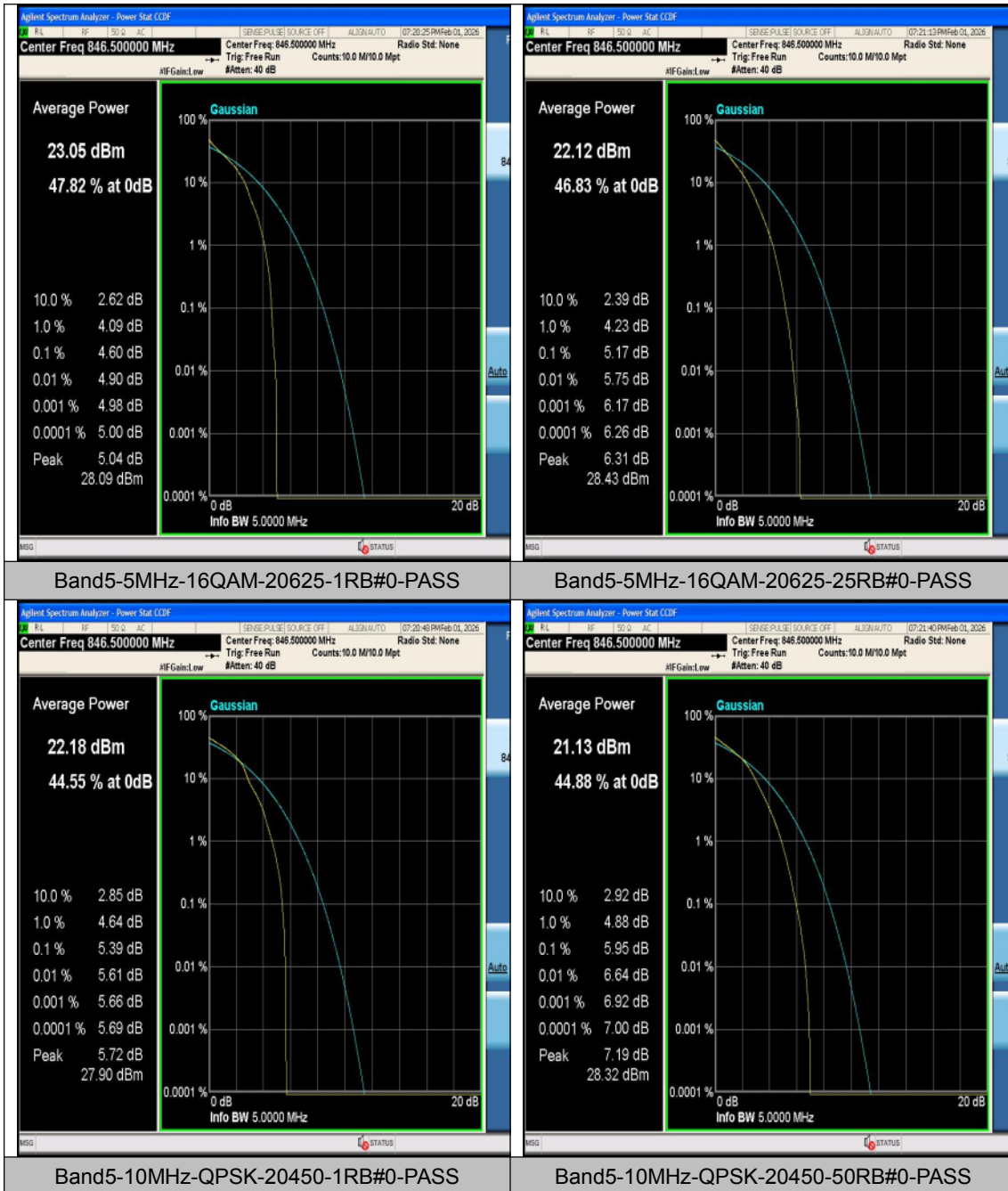
Band5-3MHz-QPSK-20635-1RB#0-PASS

Band5-3MHz-QPSK-20635-15RB#0-PASS











Band5-10MHz-16QAM-20450-1RB#0-PASS

Band5-10MHz-16QAM-20450-50RB#0-PASS



Band5-10MHz-QPSK-20525-1RB#0-PASS

Band5-10MHz-QPSK-20525-50RB#0-PASS



Band5-10MHz-16QAM-20525-1RB#0-PASS

Band5-10MHz-16QAM-20525-50RB#0-PASS



Band5-10MHz-QPSK-20600-1RB#0-PASS

Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20600-1RB#0-PASS



Band5-10MHz-16QAM-20600-50RB#0-PASS

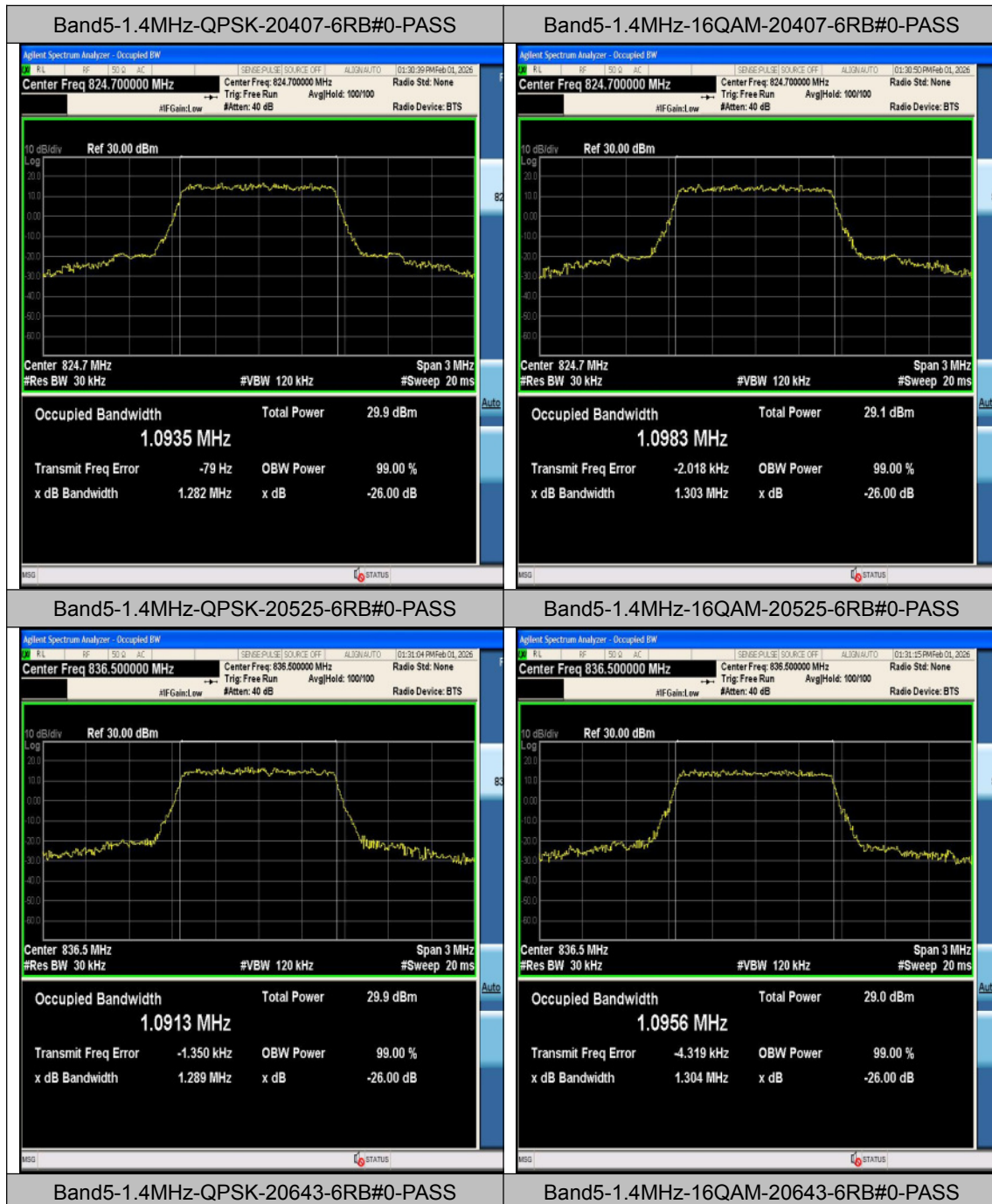


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0935	1.282	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0983	1.303	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0913	1.289	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0956	1.304	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0968	1.302	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0951	1.281	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6907	2.927	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6907	2.916	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6910	2.887	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6924	2.901	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6879	2.895	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6913	2.894	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4964	4.940	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4927	4.862	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4925	4.935	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4970	4.892	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4874	4.918	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4887	4.918	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9816	9.802	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9861	9.815	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9777	9.760	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9738	9.773	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9766	9.706	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9477	9.759	PASS

Test Graphs





Band5-3MHz-QPSK-20415-15RB#0-PASS



Band5-3MHz-16QAM-20415-15RB#0-PASS



Band5-3MHz-QPSK-20525-15RB#0-PASS



Band5-3MHz-16QAM-20525-15RB#0-PASS



Band5-3MHz-QPSK-20635-15RB#0-PASS

Band5-3MHz-16QAM-20635-15RB#0-PASS



Band5-5MHz-QPSK-20425-25RB#0-PASS

Band5-5MHz-16QAM-20425-25RB#0-PASS

