



Appendix Q: Test Data for E-UTRA Band 41

Product Name: fixed wireless phone

Test Model: F151

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	55.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



Q.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.72	PASS
Band41	5MHz	QPSK	39675	1RB#12	24.08	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.79	PASS
Band41	5MHz	QPSK	39675	12RB#0	22.85	PASS
Band41	5MHz	QPSK	39675	12RB#6	22.95	PASS
Band41	5MHz	QPSK	39675	12RB#13	22.88	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.88	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.03	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.33	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.07	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.86	PASS
Band41	5MHz	16QAM	39675	12RB#6	21.97	PASS
Band41	5MHz	16QAM	39675	12RB#13	21.89	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.88	PASS
Band41	5MHz	QPSK	40620	1RB#0	24.16	PASS
Band41	5MHz	QPSK	40620	1RB#12	24.47	PASS
Band41	5MHz	QPSK	40620	1RB#24	24.09	PASS
Band41	5MHz	QPSK	40620	12RB#0	23.16	PASS
Band41	5MHz	QPSK	40620	12RB#6	23.22	PASS
Band41	5MHz	QPSK	40620	12RB#13	23.13	PASS
Band41	5MHz	QPSK	40620	25RB#0	23.14	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.41	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.89	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.35	PASS
Band41	5MHz	16QAM	40620	12RB#0	22.11	PASS
Band41	5MHz	16QAM	40620	12RB#6	22.18	PASS
Band41	5MHz	16QAM	40620	12RB#13	22.08	PASS
Band41	5MHz	16QAM	40620	25RB#0	22.17	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.51	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.80	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.43	PASS
Band41	5MHz	QPSK	41565	12RB#0	22.56	PASS
Band41	5MHz	QPSK	41565	12RB#6	22.59	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.49	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.53	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.76	PASS
Band41	5MHz	16QAM	41565	1RB#12	23.21	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.69	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.46	PASS
Band41	5MHz	16QAM	41565	12RB#6	21.57	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.42	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.51	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.94	PASS
Band41	10MHz	QPSK	39700	1RB#24	24.13	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.05	PASS
Band41	10MHz	QPSK	39700	25RB#0	22.95	PASS
Band41	10MHz	QPSK	39700	25RB#12	22.98	PASS
Band41	10MHz	QPSK	39700	25RB#25	23.02	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.97	PASS



Band41	10MHz	16QAM	39700	1RB#0	23.18	PASS
Band41	10MHz	16QAM	39700	1RB#24	23.48	PASS
Band41	10MHz	16QAM	39700	1RB#49	23.26	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.99	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.98	PASS
Band41	10MHz	16QAM	39700	25RB#25	22.07	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.94	PASS
Band41	10MHz	QPSK	40620	1RB#0	24.23	PASS
Band41	10MHz	QPSK	40620	1RB#24	24.37	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.12	PASS
Band41	10MHz	QPSK	40620	25RB#0	23.23	PASS
Band41	10MHz	QPSK	40620	25RB#12	23.20	PASS
Band41	10MHz	QPSK	40620	25RB#25	23.26	PASS
Band41	10MHz	QPSK	40620	50RB#0	23.19	PASS
Band41	10MHz	16QAM	40620	1RB#0	23.48	PASS
Band41	10MHz	16QAM	40620	1RB#24	23.74	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.39	PASS
Band41	10MHz	16QAM	40620	25RB#0	22.25	PASS
Band41	10MHz	16QAM	40620	25RB#12	22.21	PASS
Band41	10MHz	16QAM	40620	25RB#25	22.29	PASS
Band41	10MHz	16QAM	40620	50RB#0	22.17	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.73	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.74	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.52	PASS
Band41	10MHz	QPSK	41540	25RB#0	22.67	PASS
Band41	10MHz	QPSK	41540	25RB#12	22.69	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.65	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.64	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.99	PASS
Band41	10MHz	16QAM	41540	1RB#24	23.12	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.76	PASS
Band41	10MHz	16QAM	41540	25RB#0	21.73	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.65	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.69	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.62	PASS
Band41	15MHz	QPSK	39725	1RB#0	23.87	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.03	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.93	PASS
Band41	15MHz	QPSK	39725	38RB#0	22.99	PASS
Band41	15MHz	QPSK	39725	38RB#18	23.05	PASS
Band41	15MHz	QPSK	39725	38RB#37	23.14	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.03	PASS
Band41	15MHz	16QAM	39725	1RB#0	23.11	PASS
Band41	15MHz	16QAM	39725	1RB#38	23.40	PASS
Band41	15MHz	16QAM	39725	1RB#74	23.18	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.97	PASS
Band41	15MHz	16QAM	39725	38RB#18	22.02	PASS
Band41	15MHz	16QAM	39725	38RB#37	22.05	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.99	PASS
Band41	15MHz	QPSK	40620	1RB#0	24.18	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.23	PASS
Band41	15MHz	QPSK	40620	1RB#74	24.01	PASS
Band41	15MHz	QPSK	40620	38RB#0	23.27	PASS
Band41	15MHz	QPSK	40620	38RB#18	23.22	PASS
Band41	15MHz	QPSK	40620	38RB#37	23.23	PASS



Band41	15MHz	QPSK	40620	75RB#0	23.25	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.40	PASS
Band41	15MHz	16QAM	40620	1RB#38	23.60	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.27	PASS
Band41	15MHz	16QAM	40620	38RB#0	22.22	PASS
Band41	15MHz	16QAM	40620	38RB#18	22.18	PASS
Band41	15MHz	16QAM	40620	38RB#37	22.23	PASS
Band41	15MHz	16QAM	40620	75RB#0	22.25	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.71	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.67	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.41	PASS
Band41	15MHz	QPSK	41515	38RB#0	22.82	PASS
Band41	15MHz	QPSK	41515	38RB#18	22.75	PASS
Band41	15MHz	QPSK	41515	38RB#37	22.68	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.69	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.95	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.02	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.65	PASS
Band41	15MHz	16QAM	41515	38RB#0	21.76	PASS
Band41	15MHz	16QAM	41515	38RB#18	21.72	PASS
Band41	15MHz	16QAM	41515	38RB#37	21.65	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.66	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.73	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.21	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.80	PASS
Band41	20MHz	QPSK	39750	50RB#0	22.84	PASS
Band41	20MHz	QPSK	39750	50RB#25	22.95	PASS
Band41	20MHz	QPSK	39750	50RB#50	23.01	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.94	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.80	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.33	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.92	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.84	PASS
Band41	20MHz	16QAM	39750	50RB#25	22.00	PASS
Band41	20MHz	16QAM	39750	50RB#50	22.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.93	PASS
Band41	20MHz	QPSK	40620	1RB#0	24.04	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.36	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.82	PASS
Band41	20MHz	QPSK	40620	50RB#0	23.14	PASS
Band41	20MHz	QPSK	40620	50RB#25	23.17	PASS
Band41	20MHz	QPSK	40620	50RB#50	23.09	PASS
Band41	20MHz	QPSK	40620	100RB#0	23.13	PASS
Band41	20MHz	16QAM	40620	1RB#0	23.11	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.51	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.91	PASS
Band41	20MHz	16QAM	40620	50RB#0	22.13	PASS
Band41	20MHz	16QAM	40620	50RB#25	22.21	PASS
Band41	20MHz	16QAM	40620	50RB#50	22.11	PASS
Band41	20MHz	16QAM	40620	100RB#0	22.12	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.62	PASS



Band41	20MHz	QPSK	41490	1RB#49	23.89	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.25	PASS
Band41	20MHz	QPSK	41490	50RB#0	22.72	PASS
Band41	20MHz	QPSK	41490	50RB#25	22.69	PASS
Band41	20MHz	QPSK	41490	50RB#50	22.60	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.66	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.73	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.01	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.40	PASS
Band41	20MHz	16QAM	41490	50RB#0	21.72	PASS
Band41	20MHz	16QAM	41490	50RB#25	21.72	PASS
Band41	20MHz	16QAM	41490	50RB#50	21.57	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.63	PASS



Q.2 Peak-to-Average Ratio(CCDF)

Test Result

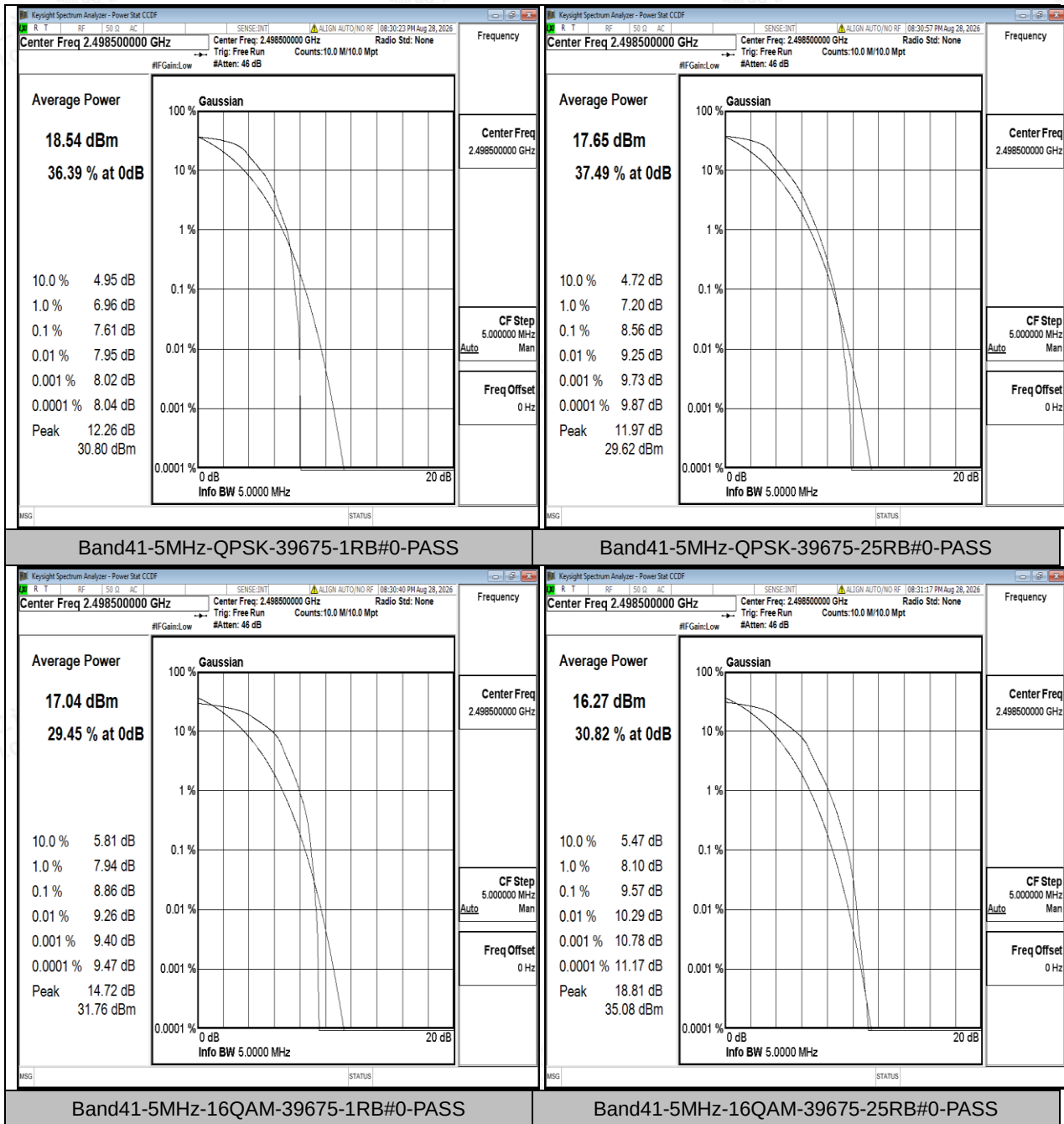
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	7.61	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	8.56	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.86	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.57	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	7.97	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.22	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	8.71	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.69	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	7.83	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.00	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.37	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.49	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.91	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.00	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.60	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.58	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.24	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.01	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	8.69	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	10.04	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	7.46	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.00	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.46	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.64	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.28	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	8.76	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.81	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.61	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.28	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	8.78	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	8.74	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.46	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	7.89	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	8.68	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.53	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.64	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	7.68	13	PASS

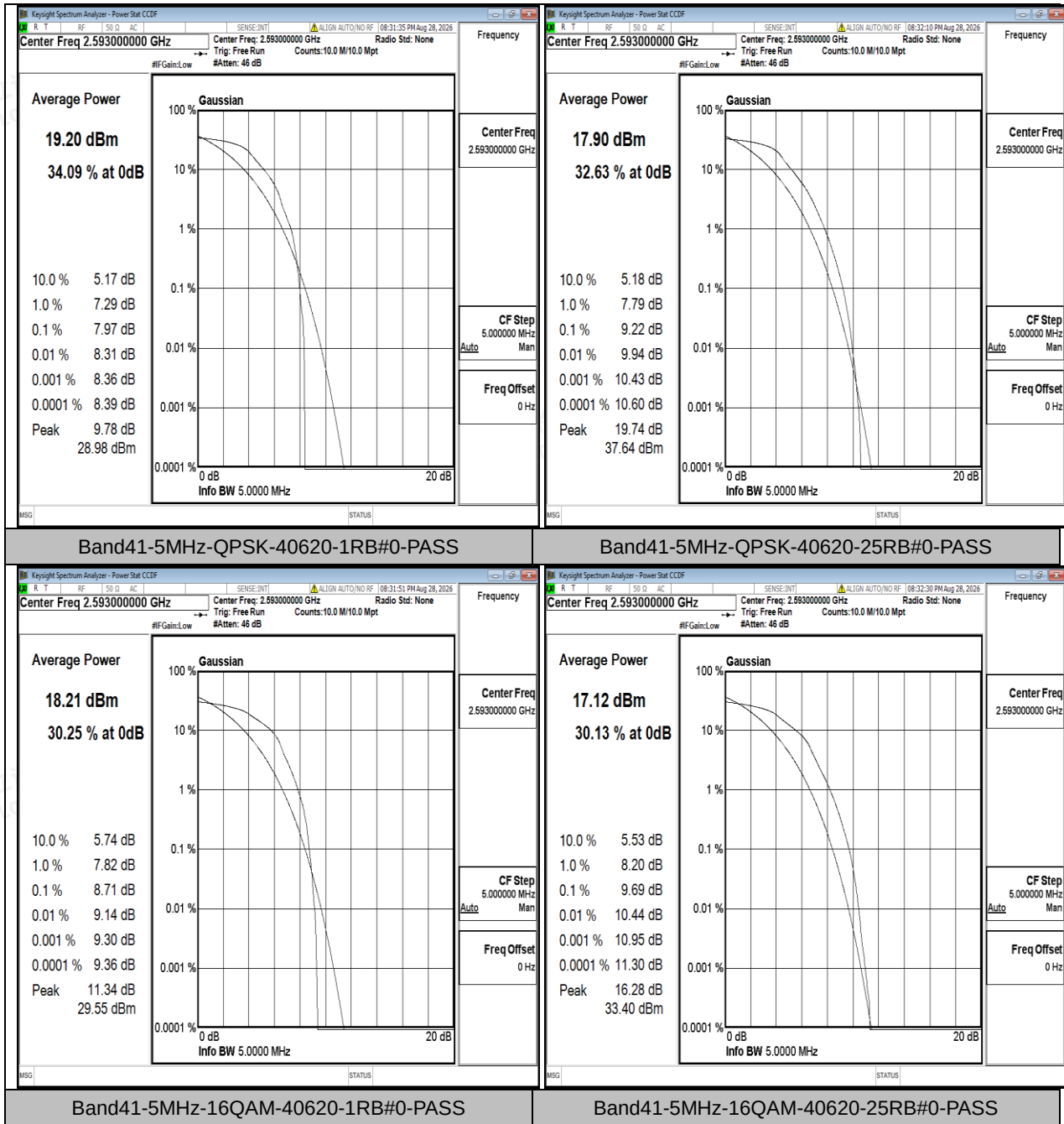


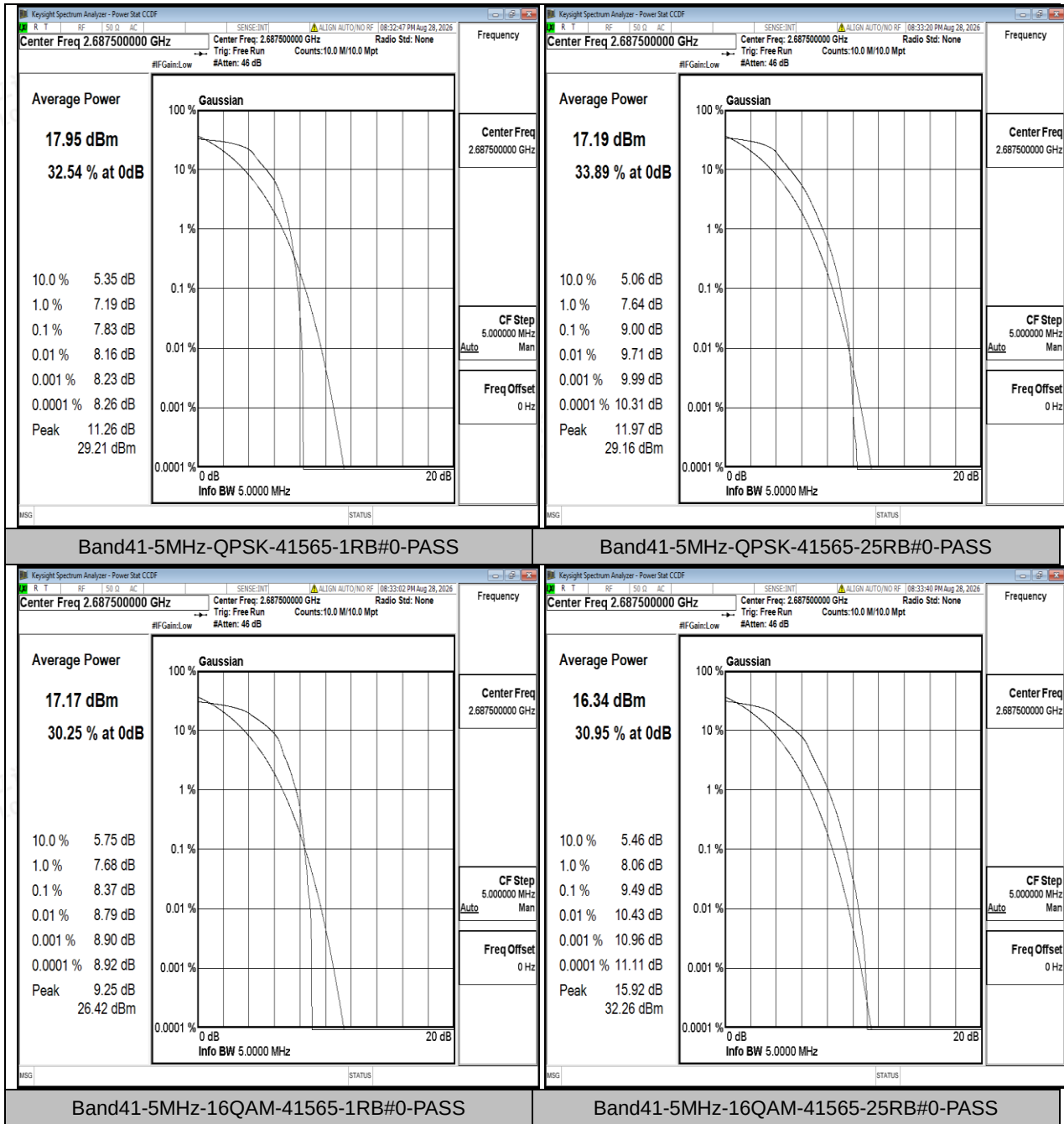
Band41	20MHz	QPSK	39750	100RB#0	8.83	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	8.38	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.46	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	7.62	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.60	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.90	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.91	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	7.83	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.71	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.57	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.85	13	PASS

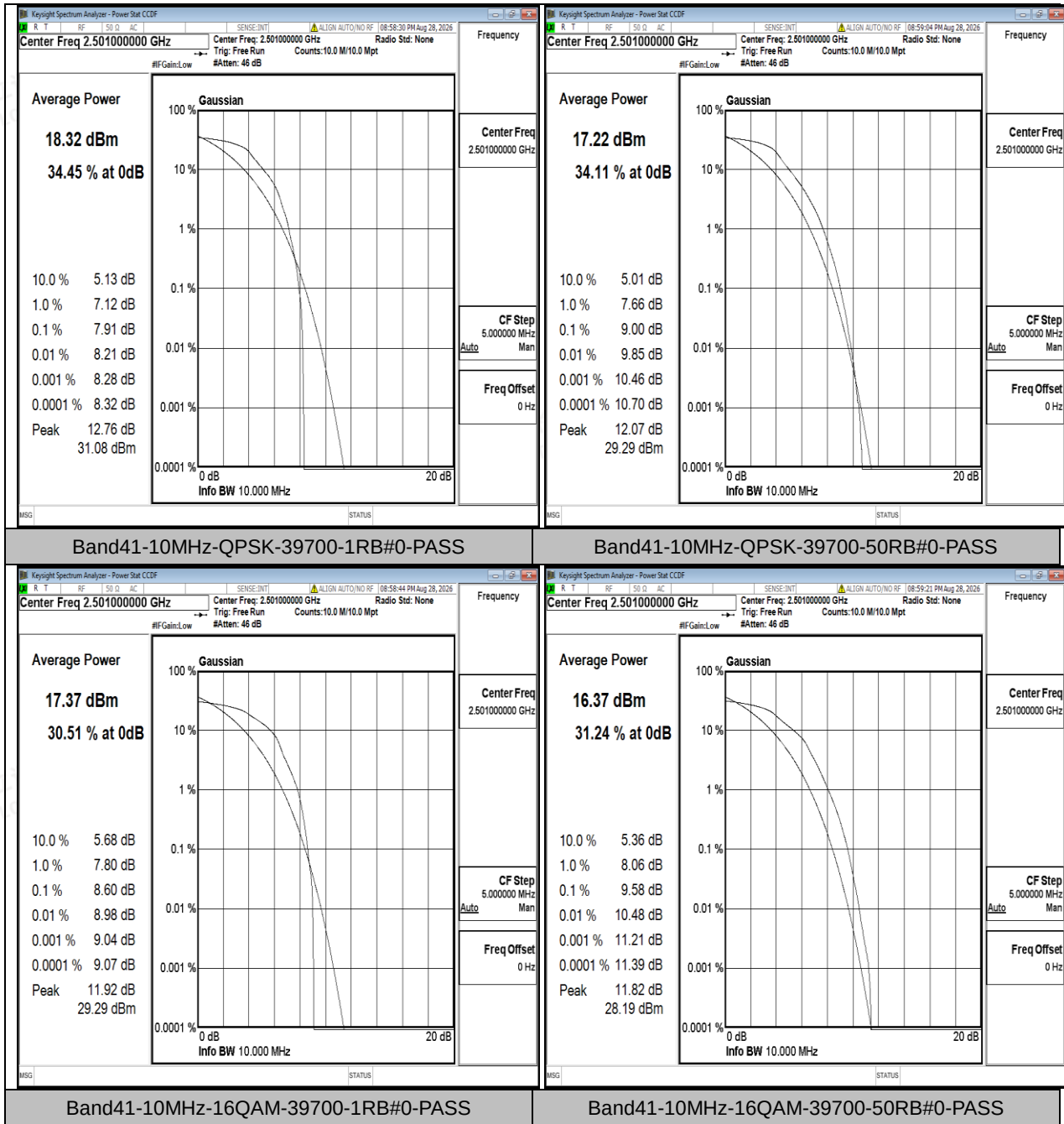


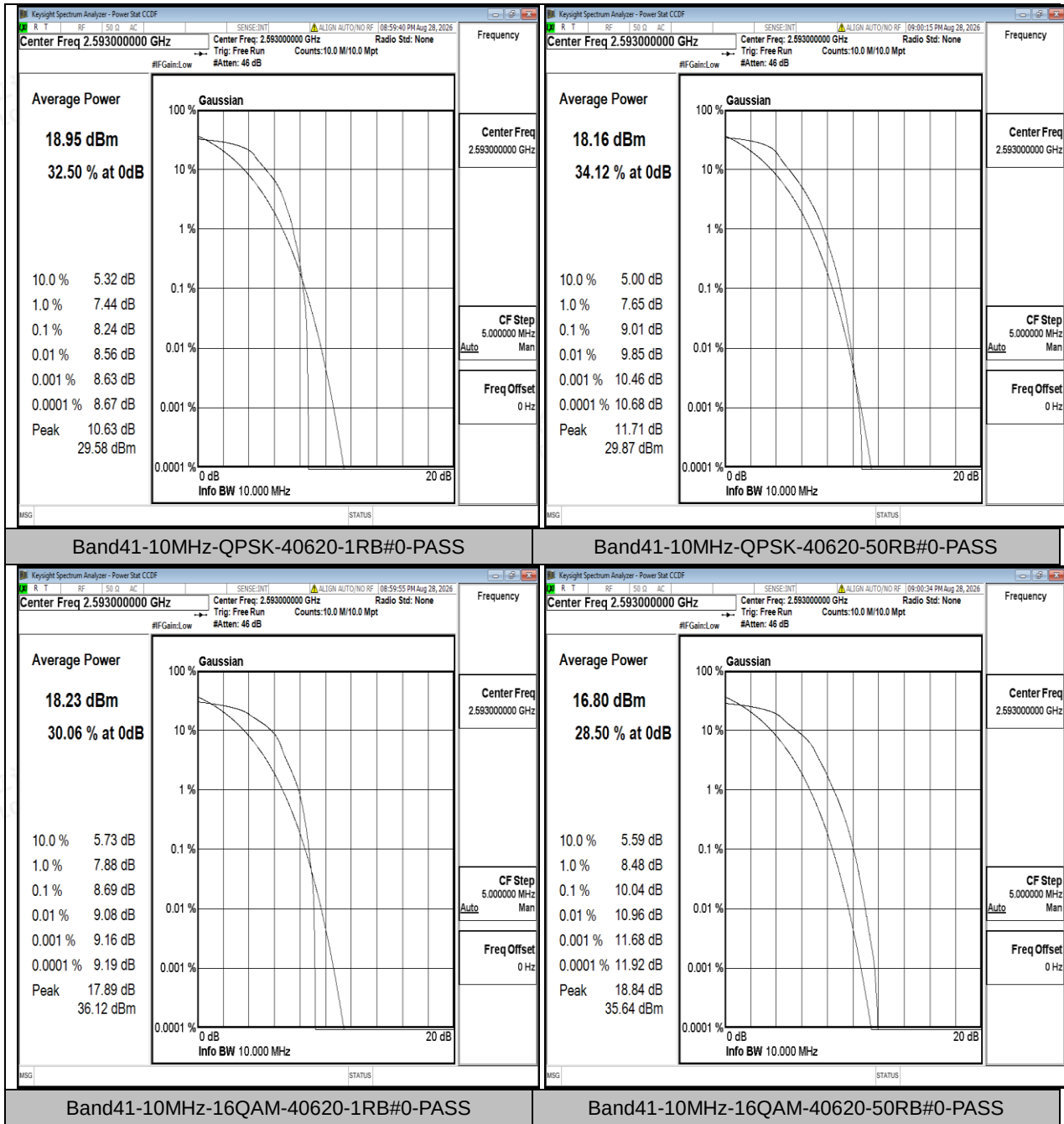
Test Graphs

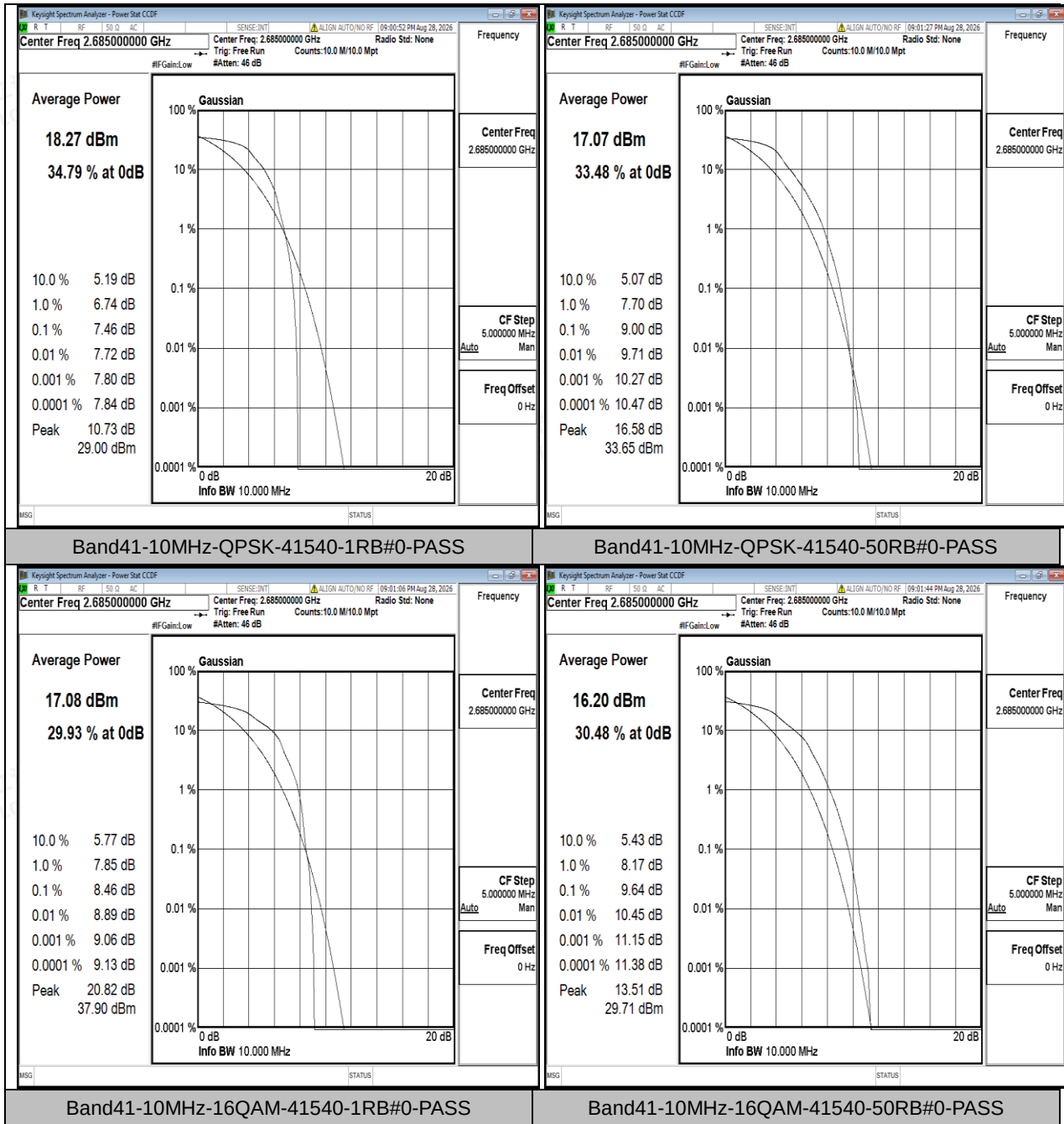


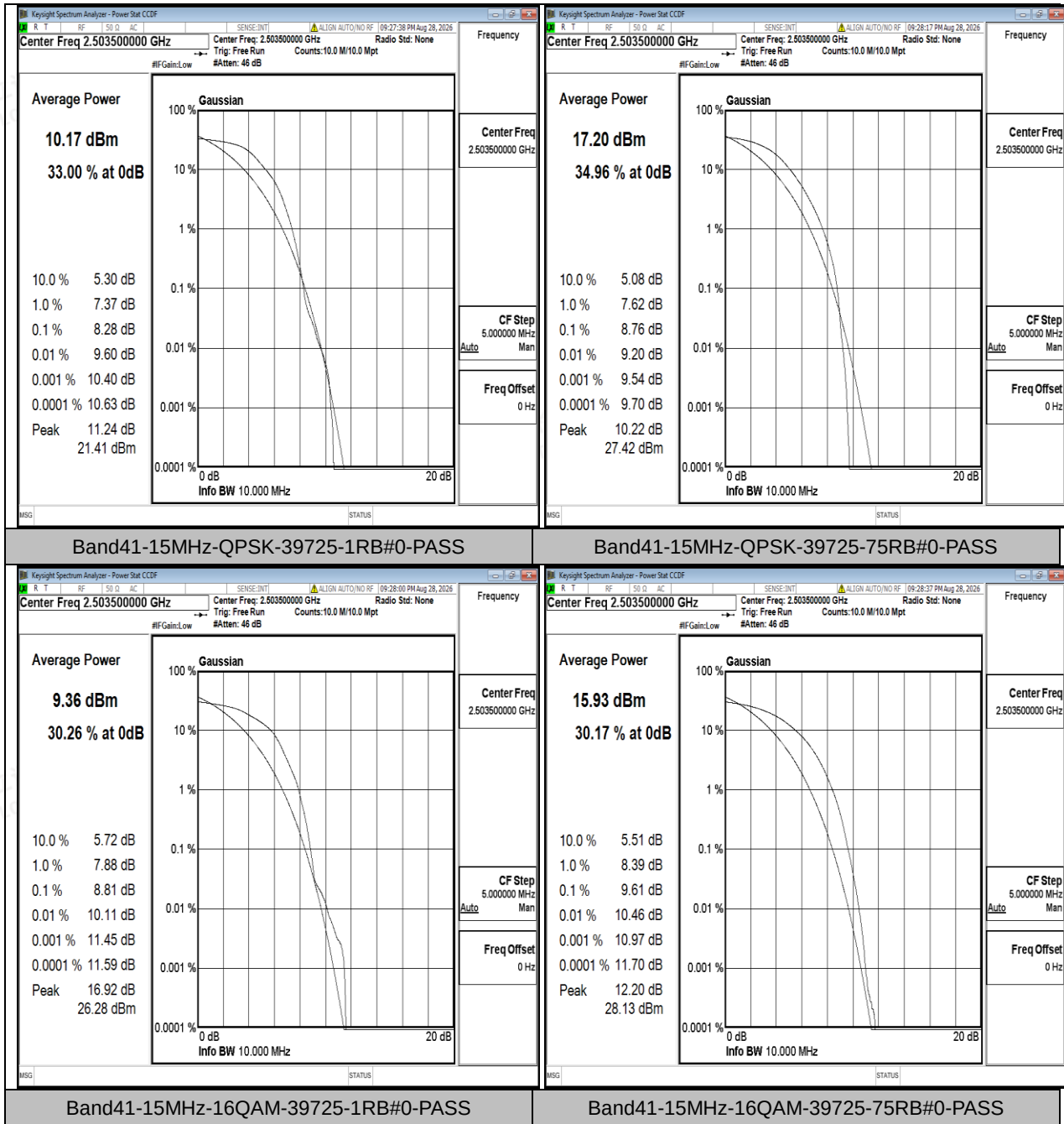


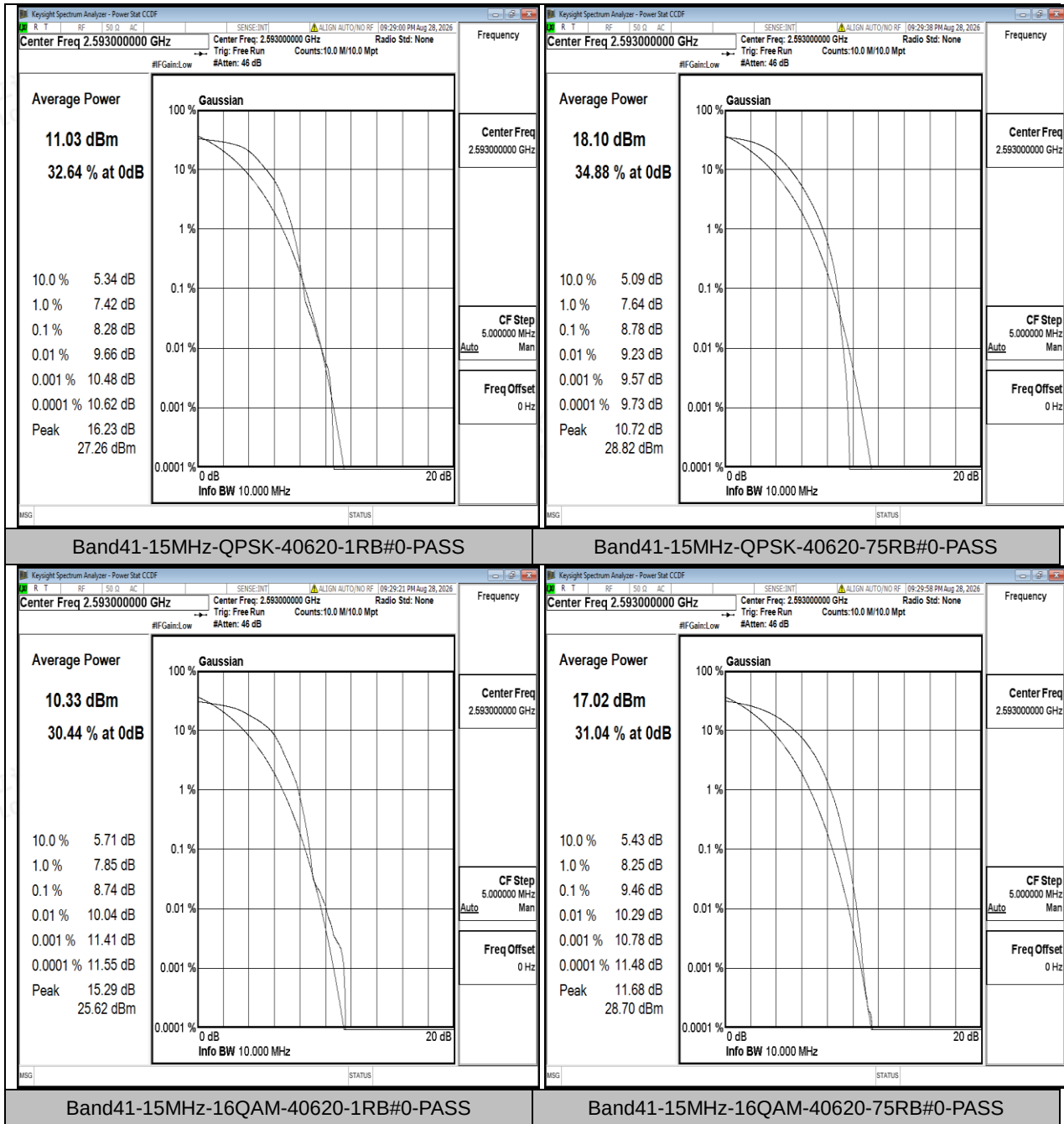


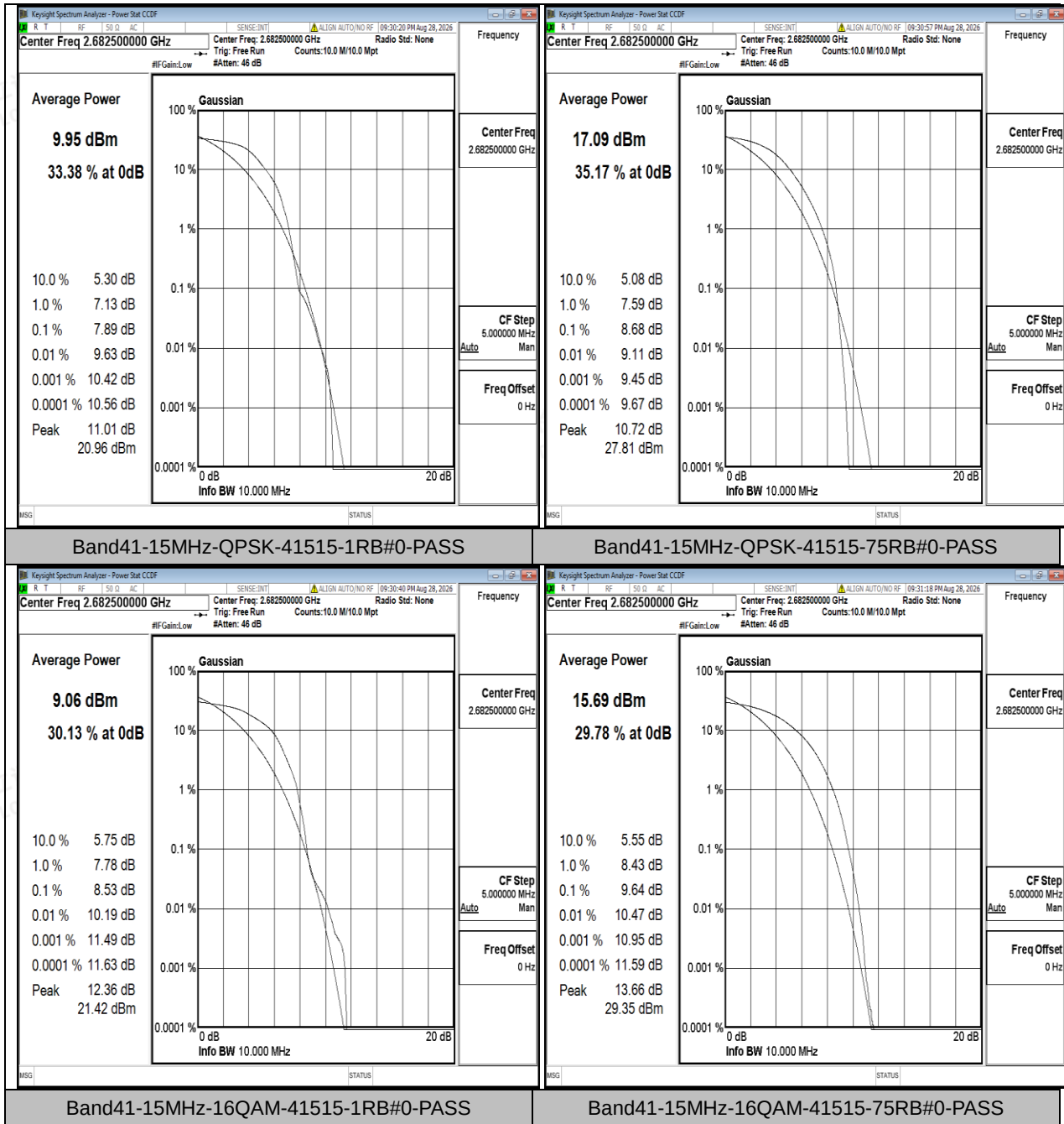


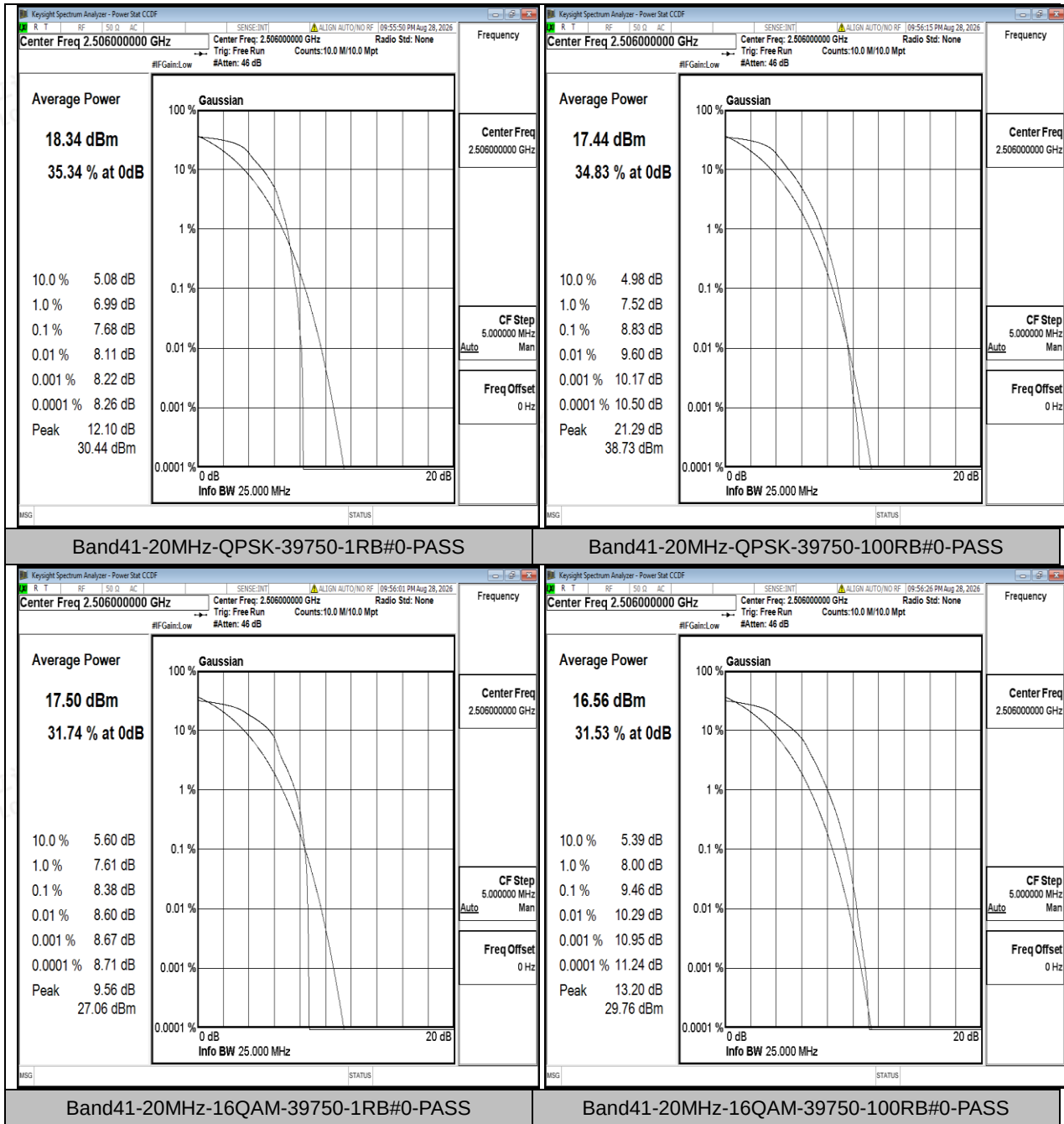


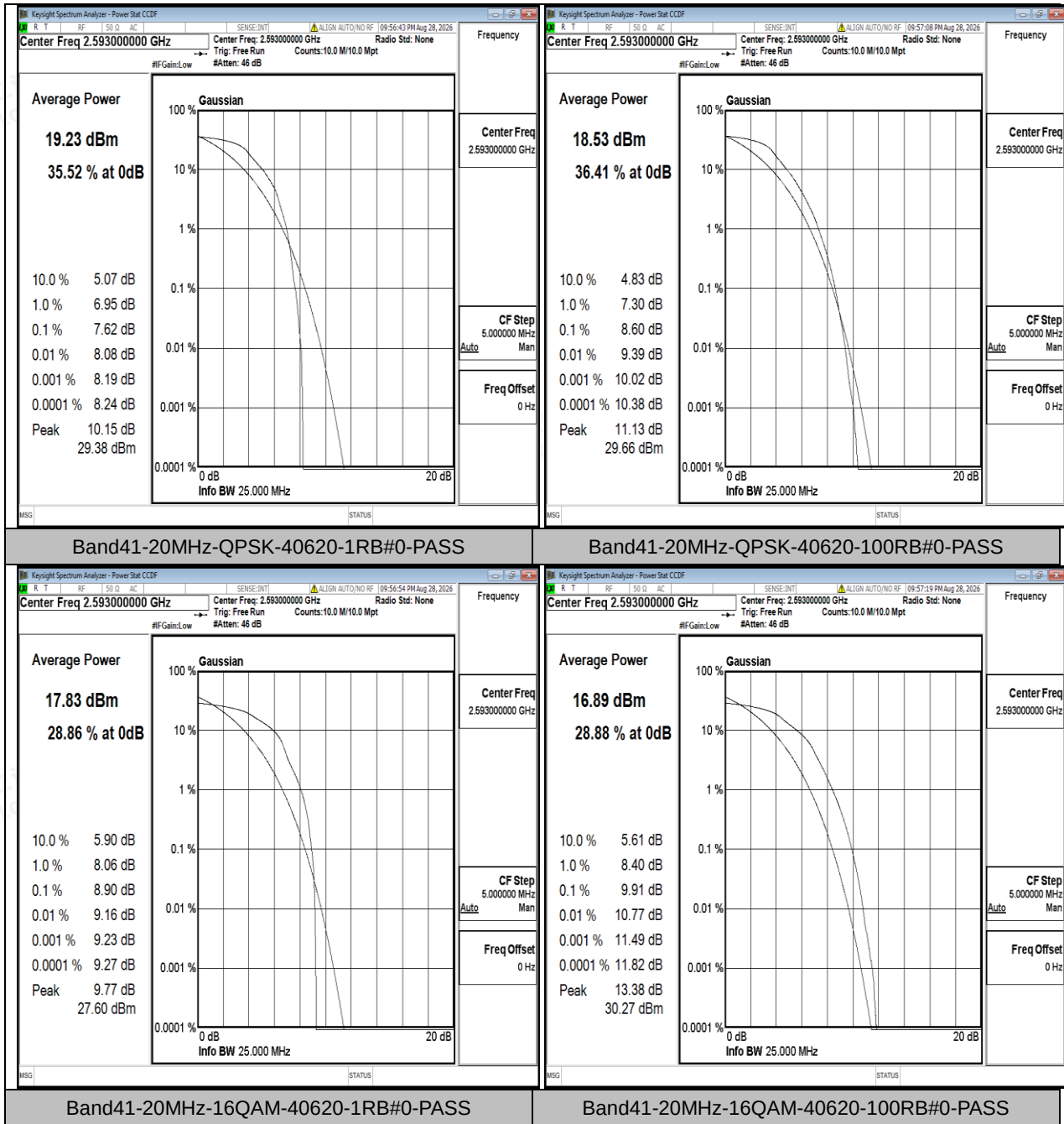


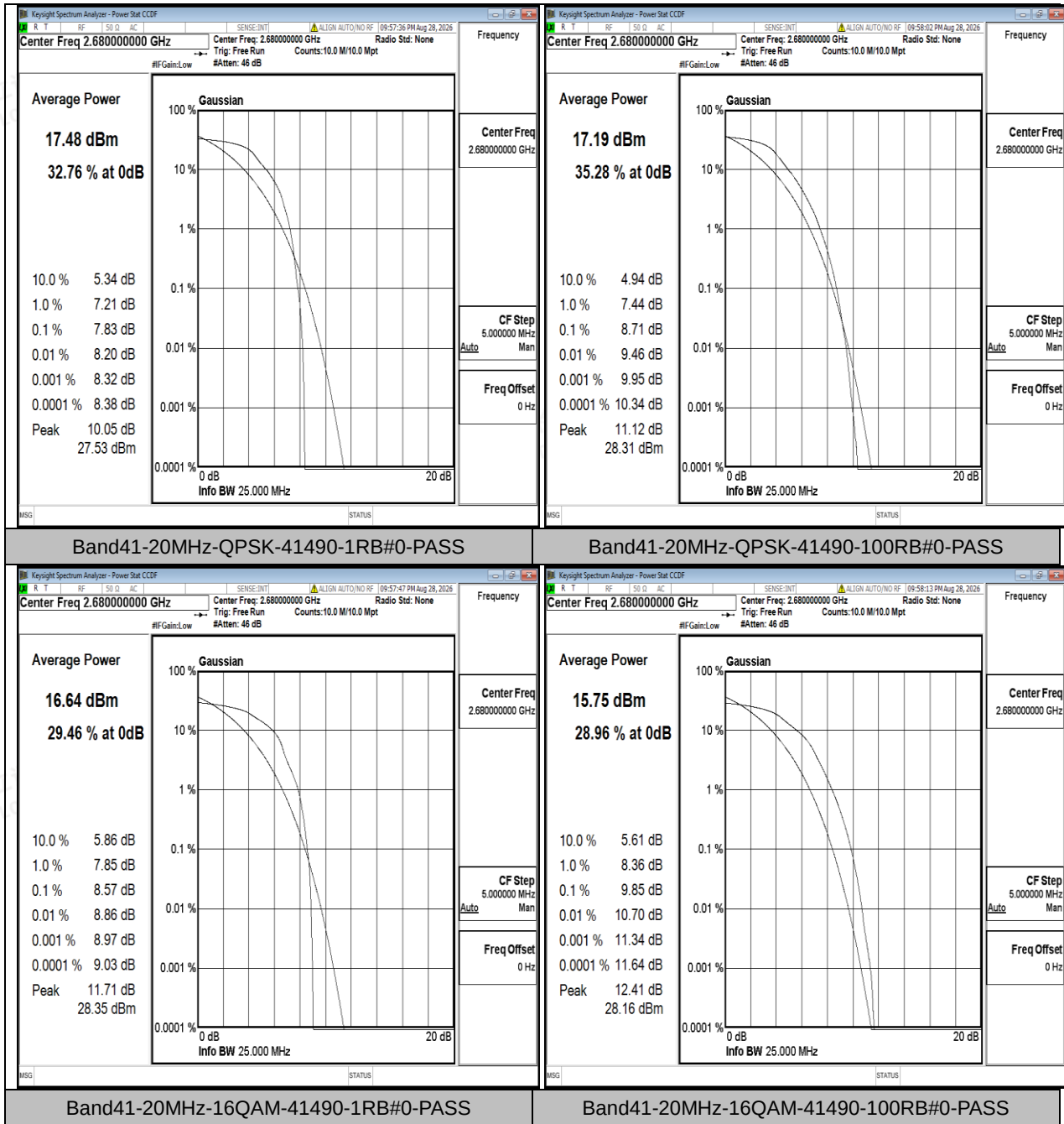














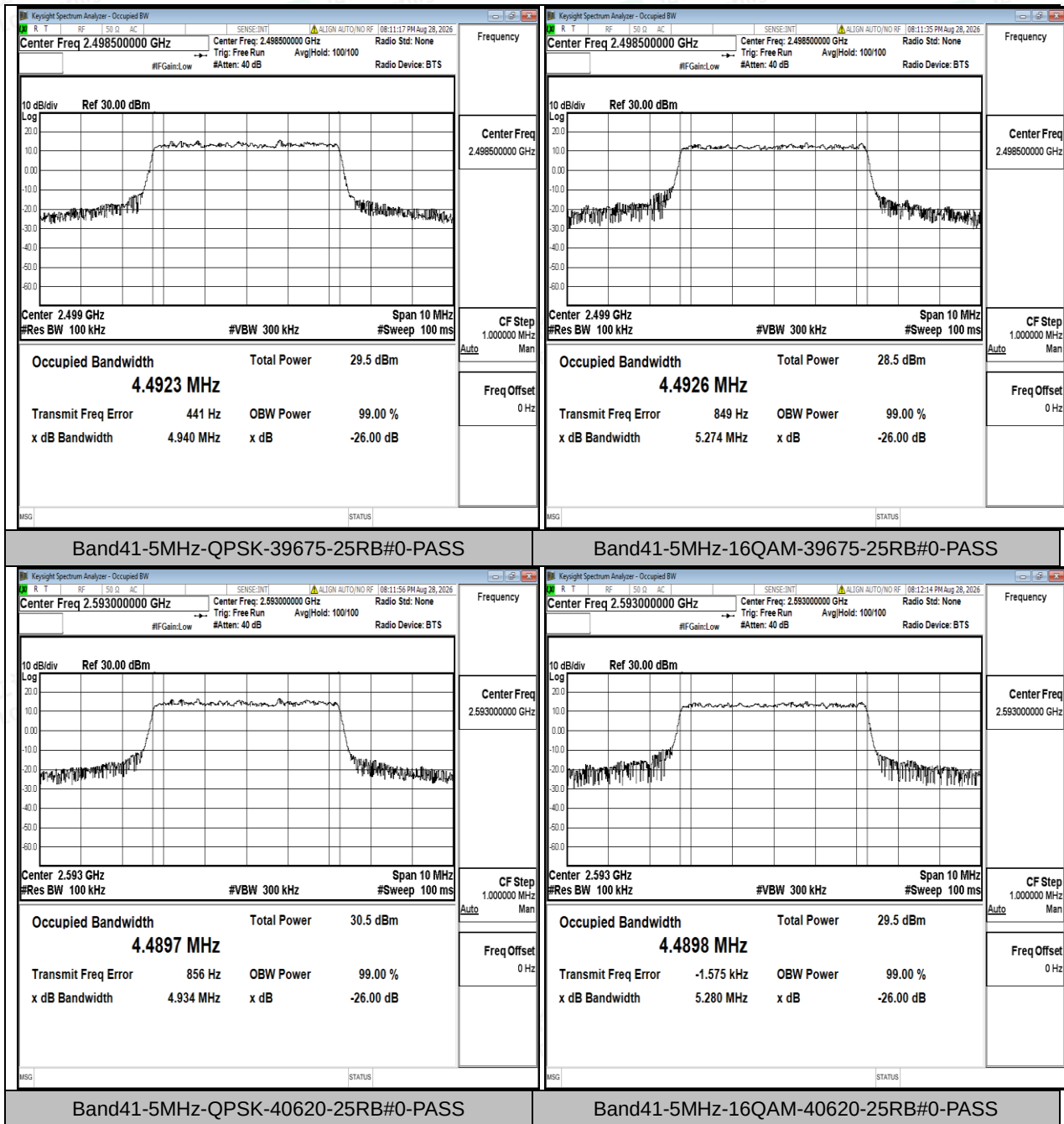
Q.3 26dB Bandwidth and Occupied Bandwidth

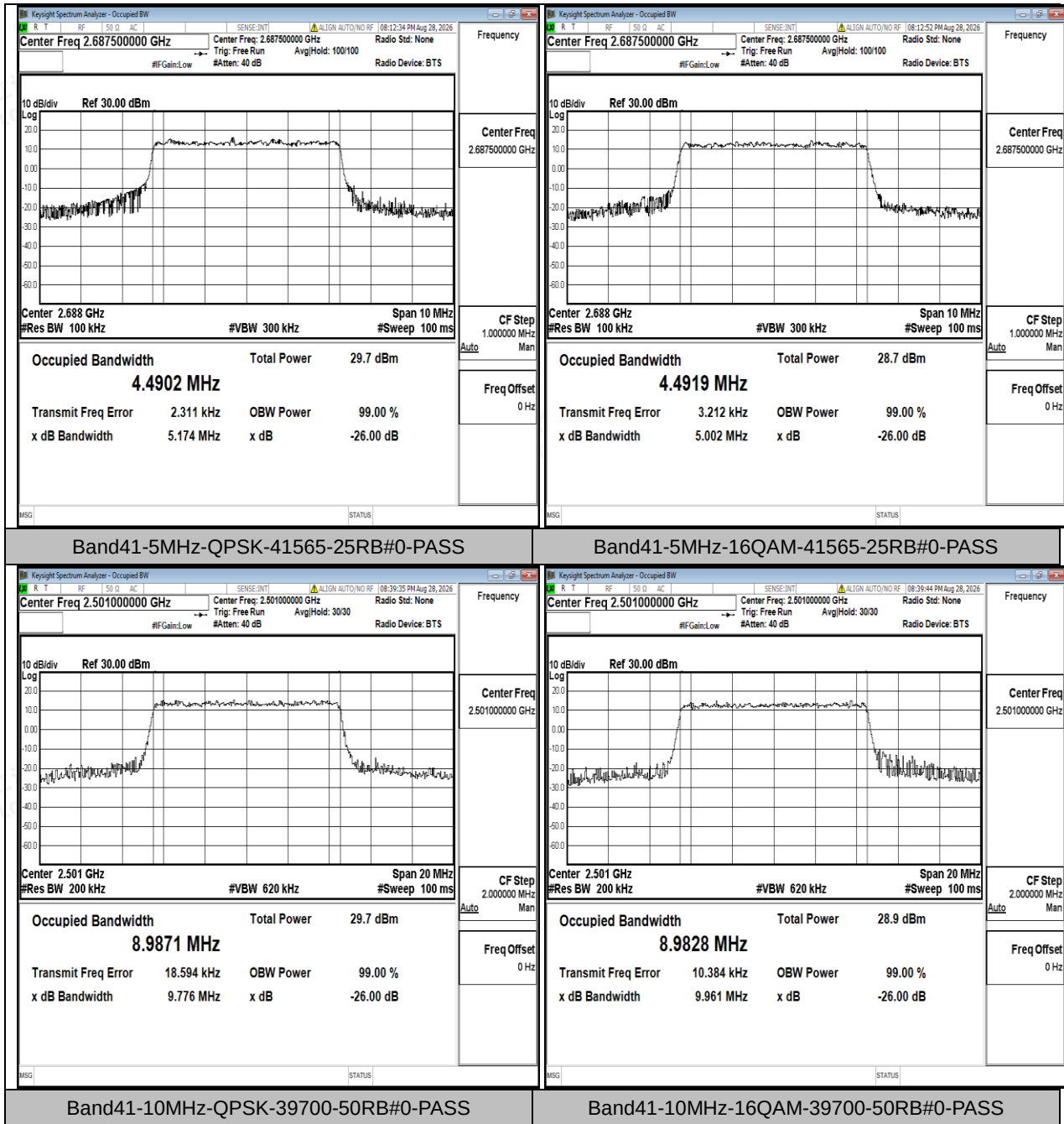
Test Result

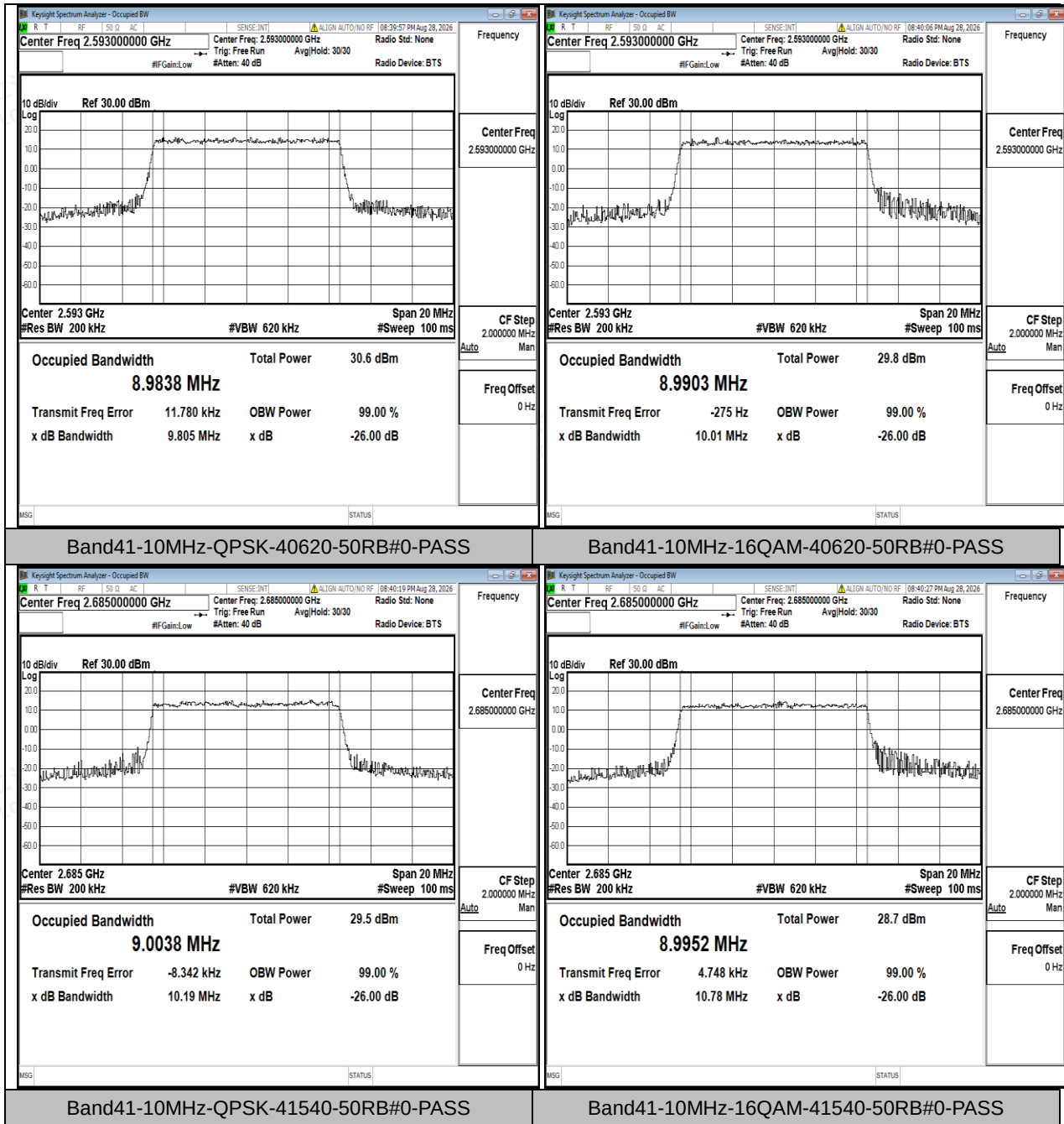
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.4923	4.940	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4926	5.274	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4897	4.934	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4898	5.280	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4902	5.174	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4919	5.002	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9871	9.776	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9828	9.961	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9838	9.805	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9903	10.01	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0038	10.19	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9952	10.78	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.489	14.96	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.476	15.70	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.477	14.81	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.482	15.80	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.493	15.75	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.492	15.33	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.972	19.59	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.939	20.11	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.967	19.85	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.936	19.81	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.972	19.54	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.939	19.47	PASS

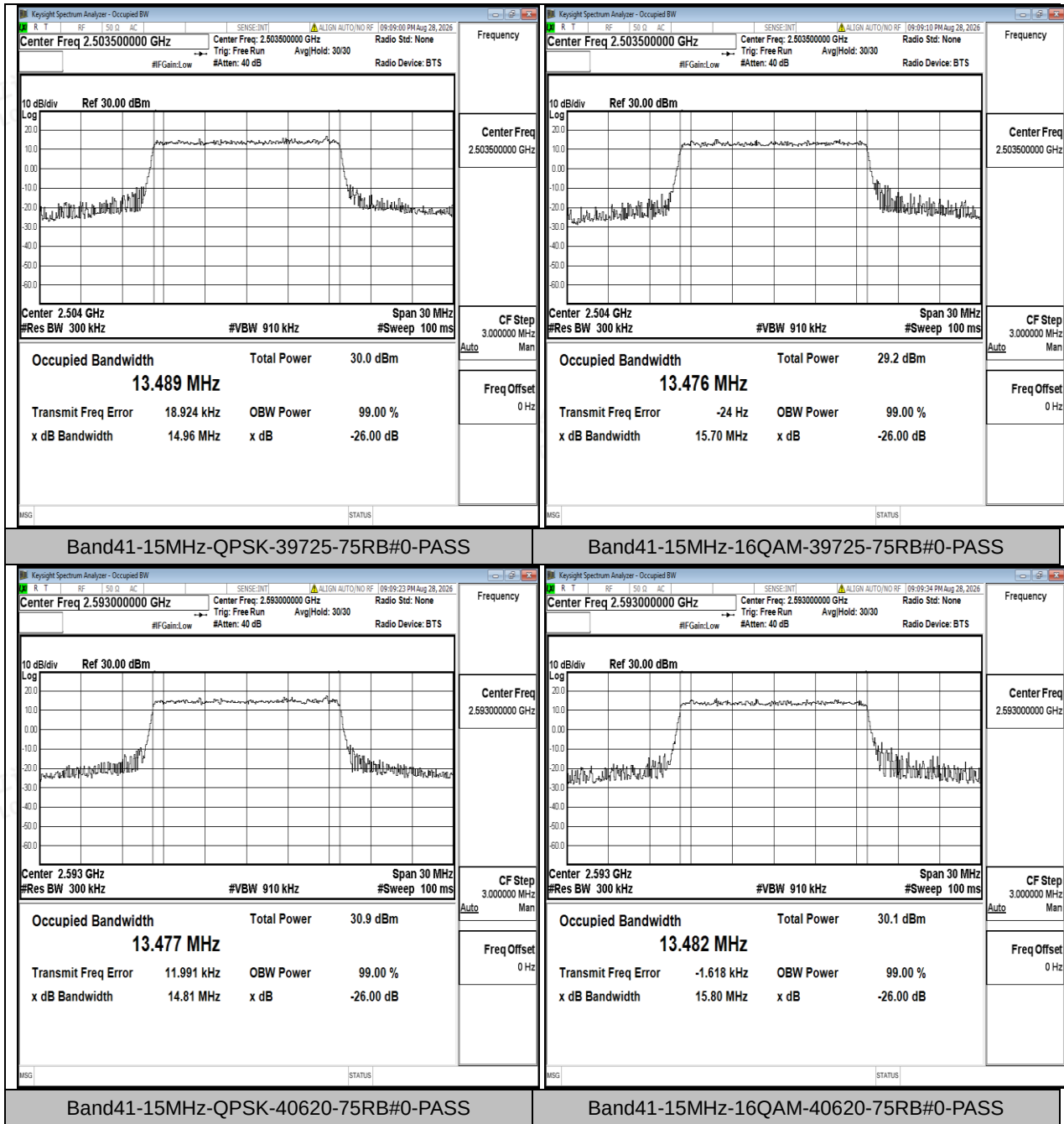


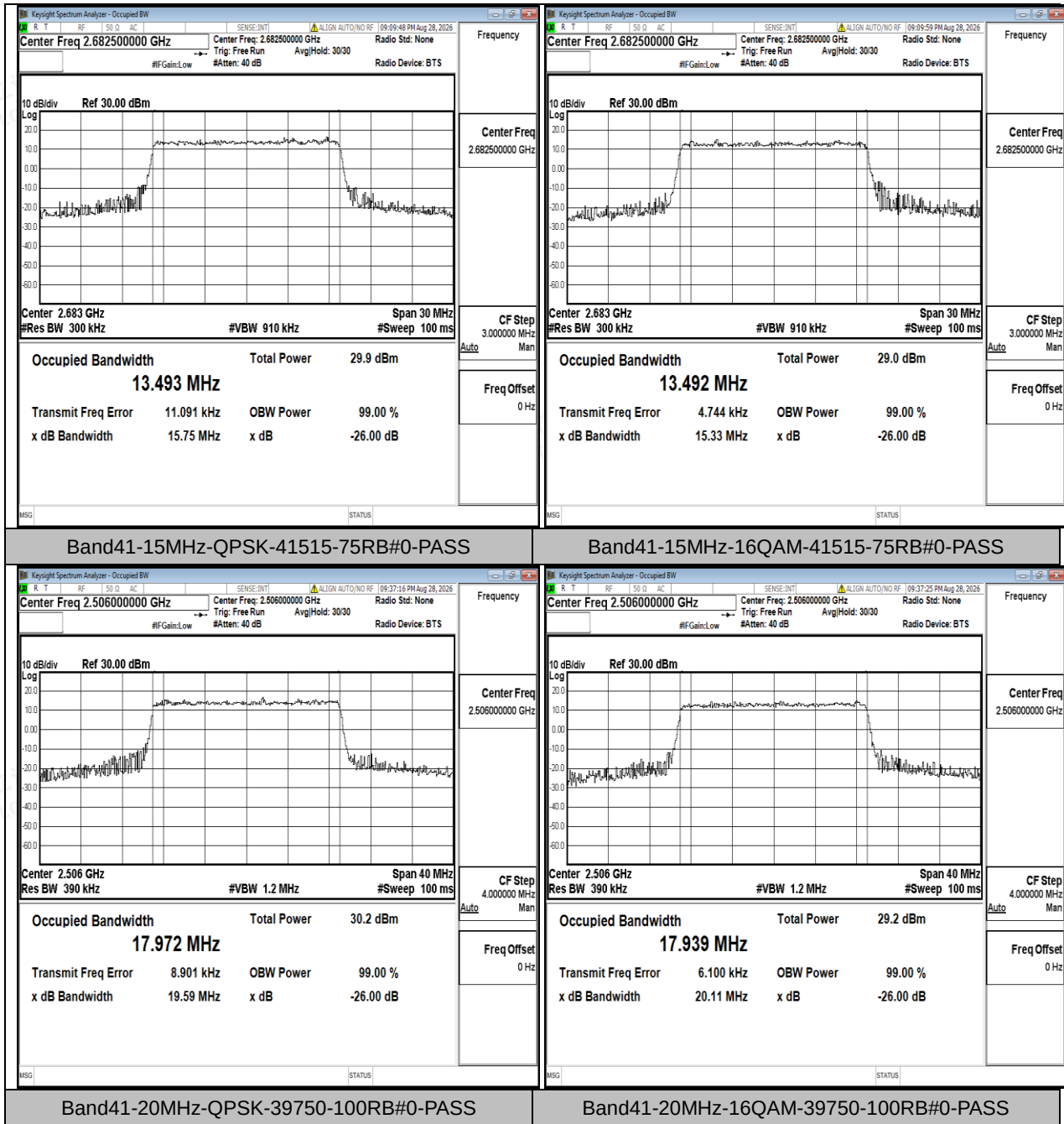
Test Graphs

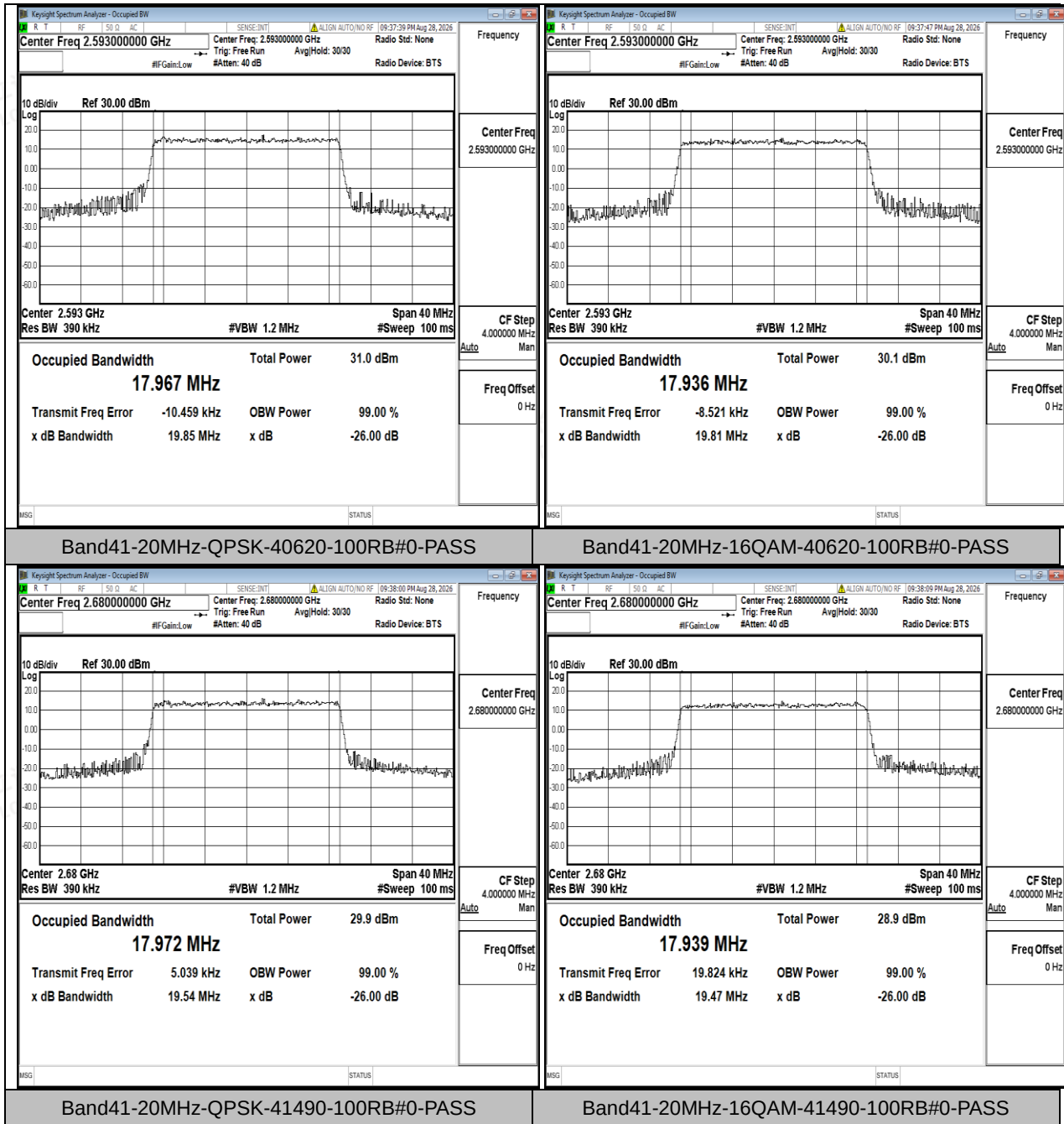














Q.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	-44.00	6.10	PASS
Band41	5MHz	16QAM	39675	25RB#0	-43.00	5.10	PASS
Band41	5MHz	QPSK	41565	25RB#0	-36.00	1.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	-39.00	4.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	-37.00	2.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	-39.00	4.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	-35.00	3.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	-35.00	3.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	-34.00	0.80	PASS
Band41	15MHz	16QAM	39725	75RB#0	-36.00	2.80	PASS
Band41	15MHz	QPSK	41515	75RB#0	-33.00	2.80	PASS
Band41	15MHz	16QAM	41515	75RB#0	-33.00	2.80	PASS
Band41	20MHz	QPSK	39750	100RB#0	-35.00	3.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	-35.00	3.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	-33.00	3.90	PASS
Band41	20MHz	16QAM	41490	100RB#0	-33.00	3.90	PASS

Test Graphs

