

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	20.50	22.1	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	20.00	21.6	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	20.35	21.95	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	20.18	21.78	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	20.06	21.66	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#2	19.95	21.55	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	19.16	20.76	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	20.29	21.89	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	20.25	21.85	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	20.26	21.86	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	19.99	21.59	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	20.12	21.72	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#2	20.04	21.64	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	19.43	21.03	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	20.39	21.99	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	20.30	21.9	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	20.21	21.81	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	20.12	21.72	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	20.05	21.65	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#2	20.01	21.61	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	19.43	21.03	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	19.74	21.34	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	19.43	21.03	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	19.44	21.04	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	19.40	21	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	19.14	20.74	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#2	19.06	20.66	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	18.65	20.25	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	19.40	21	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	19.32	20.92	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	19.49	21.09	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	19.54	21.14	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	19.34	20.94	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#2	19.27	20.87	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	18.93	20.53	30.00	PASS

Band4	1.4MHz	16QAM	20393	1RB#0	19.98	21.58	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	19.58	21.18	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	19.61	21.21	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	19.61	21.21	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	19.66	21.26	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#2	19.58	21.18	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	18.89	20.49	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	20.15	21.75	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#7	19.73	21.33	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	20.31	21.91	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	19.09	20.69	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	19.12	20.72	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	19.12	20.72	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	19.29	20.89	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	20.43	22.03	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#7	19.86	21.46	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	20.24	21.84	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	19.21	20.81	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	19.19	20.79	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	19.42	21.02	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	19.53	21.13	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	20.54	22.14	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#7	19.73	21.33	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	20.44	22.04	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	19.55	21.15	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	19.54	21.14	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	19.49	21.09	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	19.65	21.25	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	19.15	20.75	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#7	18.87	20.47	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	19.45	21.05	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	18.70	20.3	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	18.64	20.24	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	18.62	20.22	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	18.72	20.32	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	19.78	21.38	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#7	19.17	20.77	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	19.68	21.28	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	18.76	20.36	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	18.70	20.3	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	19.17	20.77	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	19.32	20.92	30.00	PASS

Band4	3MHz	16QAM	20385	1RB#0	19.66	21.26	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#7	19.10	20.7	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	19.72	21.32	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	19.18	20.78	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	19.14	20.74	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	19.13	20.73	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	19.03	20.63	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	19.60	21.2	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	19.36	20.96	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	19.22	20.82	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	19.13	20.73	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	19.27	20.87	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#11	19.70	21.3	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	19.74	21.34	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	20.00	21.6	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	19.94	21.54	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	20.19	21.79	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	19.47	21.07	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	19.42	21.02	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#11	19.38	20.98	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	19.28	20.88	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	20.07	21.67	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	19.84	21.44	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	20.25	21.85	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	19.60	21.2	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	19.61	21.21	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#11	19.60	21.2	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	19.79	21.39	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	19.46	21.06	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	19.28	20.88	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	19.17	20.77	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.31	20.91	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	19.40	21	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#11	19.10	20.7	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	19.17	20.77	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	19.73	21.33	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	19.41	21.01	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	19.58	21.18	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	18.87	20.47	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	18.83	20.43	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#11	18.82	20.42	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	18.79	20.39	30.00	PASS

Band4	5MHz	16QAM	20375	1RB#0	19.60	21.2	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	19.36	20.96	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	19.68	21.28	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	19.11	20.71	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	19.12	20.72	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#11	19.08	20.68	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	19.18	20.78	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	19.46	21.06	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	19.22	20.82	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	19.08	20.68	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	19.19	20.79	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	19.12	20.72	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#24	19.54	21.14	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	19.09	20.69	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	19.91	21.51	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	19.40	21	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	20.44	22.04	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	18.98	20.58	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	19.03	20.63	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#24	19.24	20.84	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	19.35	20.95	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	20.79	22.39	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	20.26	21.86	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	20.64	22.24	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	19.82	21.42	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	19.74	21.34	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#24	19.65	21.25	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	19.54	21.14	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	19.32	20.92	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	19.14	20.74	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	19.04	20.64	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	19.14	20.74	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	19.08	20.68	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#24	18.65	20.25	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	18.80	20.4	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	19.49	21.09	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	19.00	20.6	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.14	21.74	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	18.64	20.24	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	18.50	20.1	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#24	18.62	20.22	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	18.85	20.45	30.00	PASS

Band4	10MHz	16QAM	20350	1RB#0	20.03	21.63	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	19.39	20.99	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.04	21.64	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	19.34	20.94	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	19.23	20.83	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#24	19.17	20.77	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	19.03	20.63	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	19.78	21.38	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#37	19.16	20.76	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	19.05	20.65	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	18.83	20.43	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#16	18.79	20.39	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#35	18.76	20.36	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	18.97	20.57	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	19.39	20.99	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#37	19.15	20.75	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	20.20	21.8	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	18.77	20.37	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#16	18.72	20.32	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#35	18.70	20.3	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	18.98	20.58	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	20.23	21.83	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#37	19.32	20.92	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	19.67	21.27	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	19.15	20.75	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#16	19.19	20.79	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#35	19.19	20.79	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	19.31	20.91	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	18.91	20.51	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#37	18.39	19.99	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	18.31	19.91	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	18.36	19.96	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#16	18.32	19.92	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#35	18.30	19.9	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	18.53	20.13	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	18.87	20.47	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#37	18.62	20.22	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	19.50	21.1	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	18.29	19.89	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#16	18.28	19.88	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#35	18.26	19.86	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	18.40	20	30.00	PASS

Band4	15MHz	16QAM	20325	1RB#0	19.46	21.06	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#37	18.65	20.25	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	18.94	20.54	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	18.69	20.29	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#16	18.70	20.3	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#35	18.70	20.3	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	18.70	20.3	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	19.27	20.87	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	19.46	21.06	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	18.99	20.59	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	18.49	20.09	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#24	18.42	20.02	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#49	18.37	19.97	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	19.03	20.63	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	19.68	21.28	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	19.15	20.75	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	19.96	21.56	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	18.29	19.89	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#24	18.25	19.85	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#49	18.23	19.83	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.86	20.46	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	19.84	21.44	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	20.15	21.75	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	19.88	21.48	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	19.23	20.83	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#24	19.19	20.79	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#49	19.13	20.73	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	19.01	20.61	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	18.42	20.02	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	18.83	20.43	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	18.45	20.05	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	18.02	19.62	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#24	17.97	19.57	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#49	20.33	21.93	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.48	20.08	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	18.77	20.37	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	18.76	20.36	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	19.44	21.04	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	17.82	19.42	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#24	17.80	19.4	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#49	17.78	19.38	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.13	19.73	30.00	PASS

Band4	20MHz	16QAM	20300	1RB#0	19.37	20.97	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	19.86	21.46	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	19.35	20.95	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	18.73	20.33	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#24	18.66	20.26	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#49	18.60	20.2	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.50	20.1	30.00	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band 4)

ERP (dBm) = EIRP (dBm) - 2.15 (dB).

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	5.62	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.29	13	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs



Appendix C: 26dB Bandwidth and Occupied Bandwidth

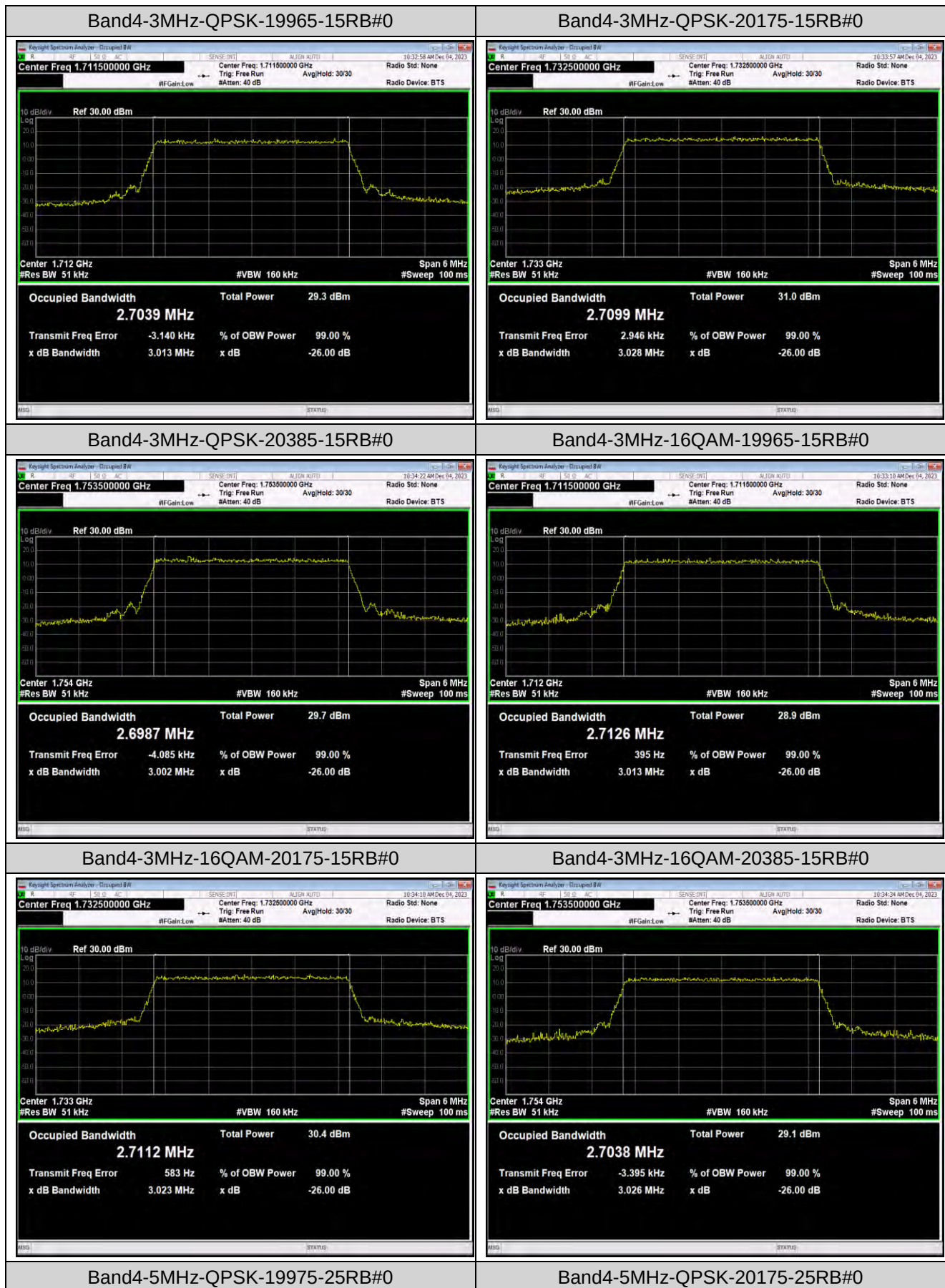
Test Result

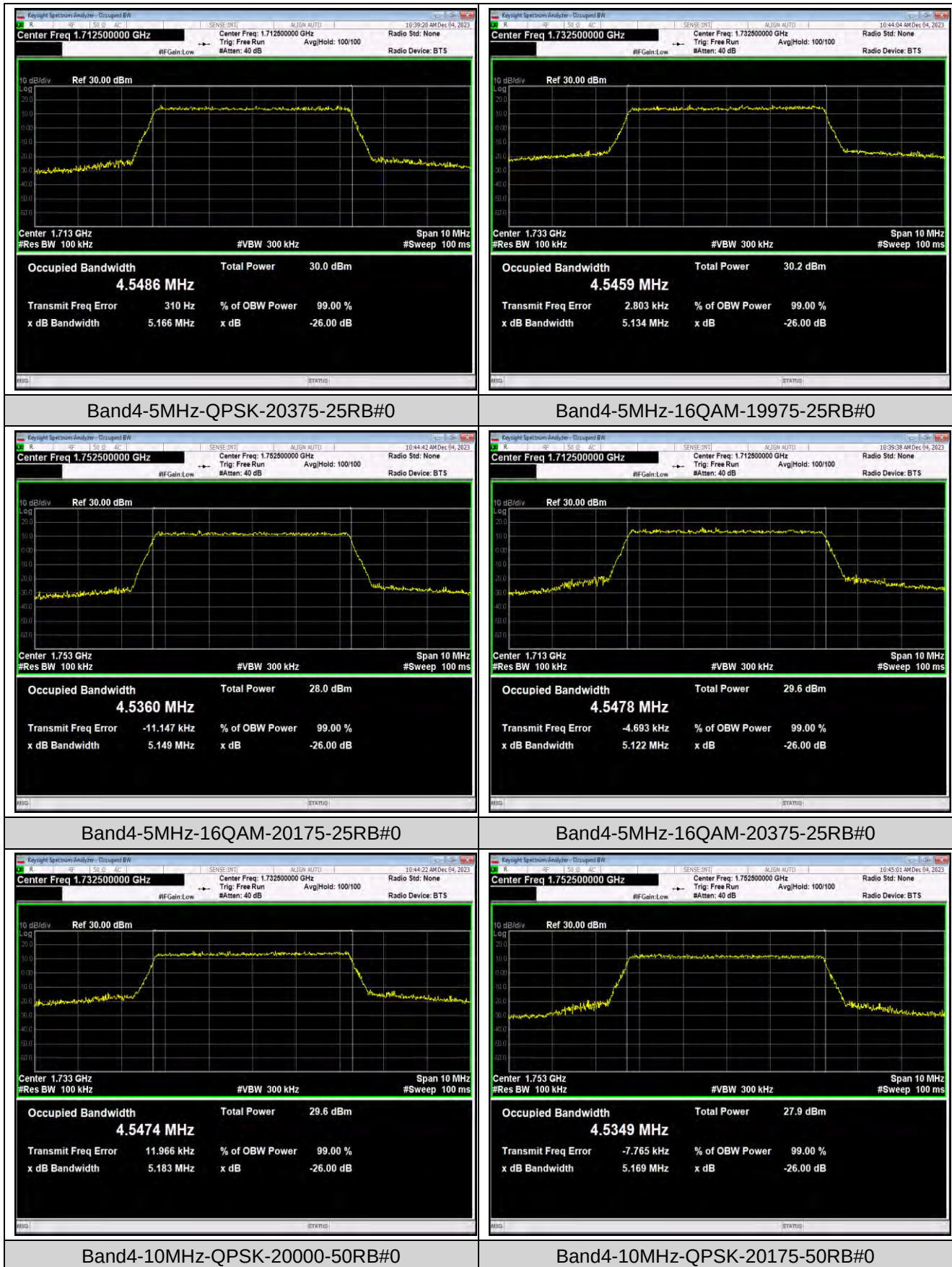
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.1161	1.468	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1167	1.480	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.1135	1.466	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1188	1.495	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1173	1.517	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1167	1.486	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7039	3.013	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7099	3.028	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6987	3.002	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7126	3.013	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7112	3.023	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7038	3.026	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5486	5.166	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5459	5.134	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5360	5.149	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5478	5.122	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5474	5.183	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5349	5.169	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0452	10.32	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0590	10.37	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0436	10.52	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0481	10.41	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0321	10.41	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0664	10.50	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.573	15.76	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.534	15.74	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.554	15.71	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.587	15.97	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.521	15.46	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.573	15.81	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.014	19.70	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.919	19.66	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.966	19.75	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.053	19.85	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.923	19.64	PASS

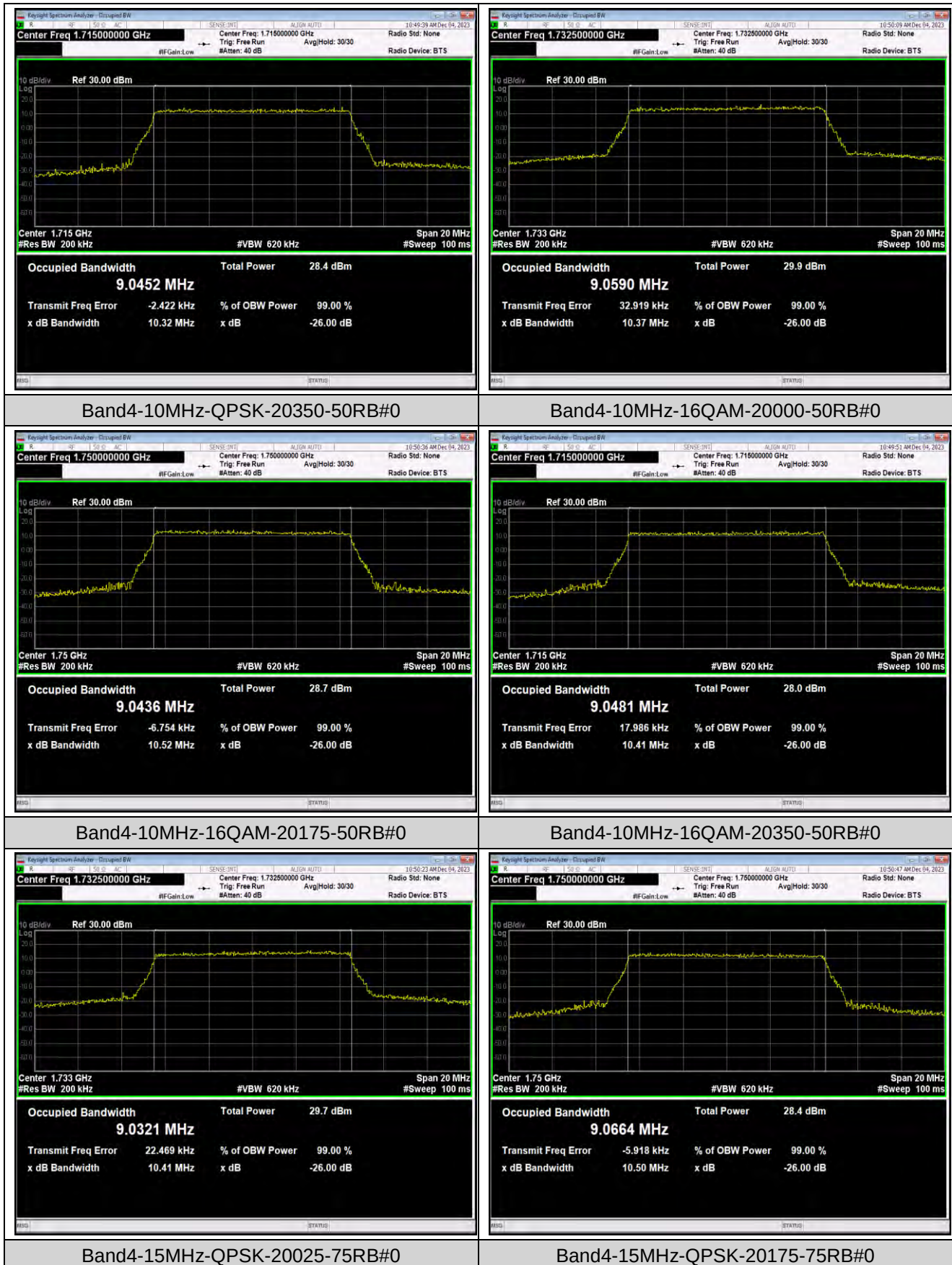
Band4	20MHz	16QAM	20300	100RB#0	17.977	19.72	PASS
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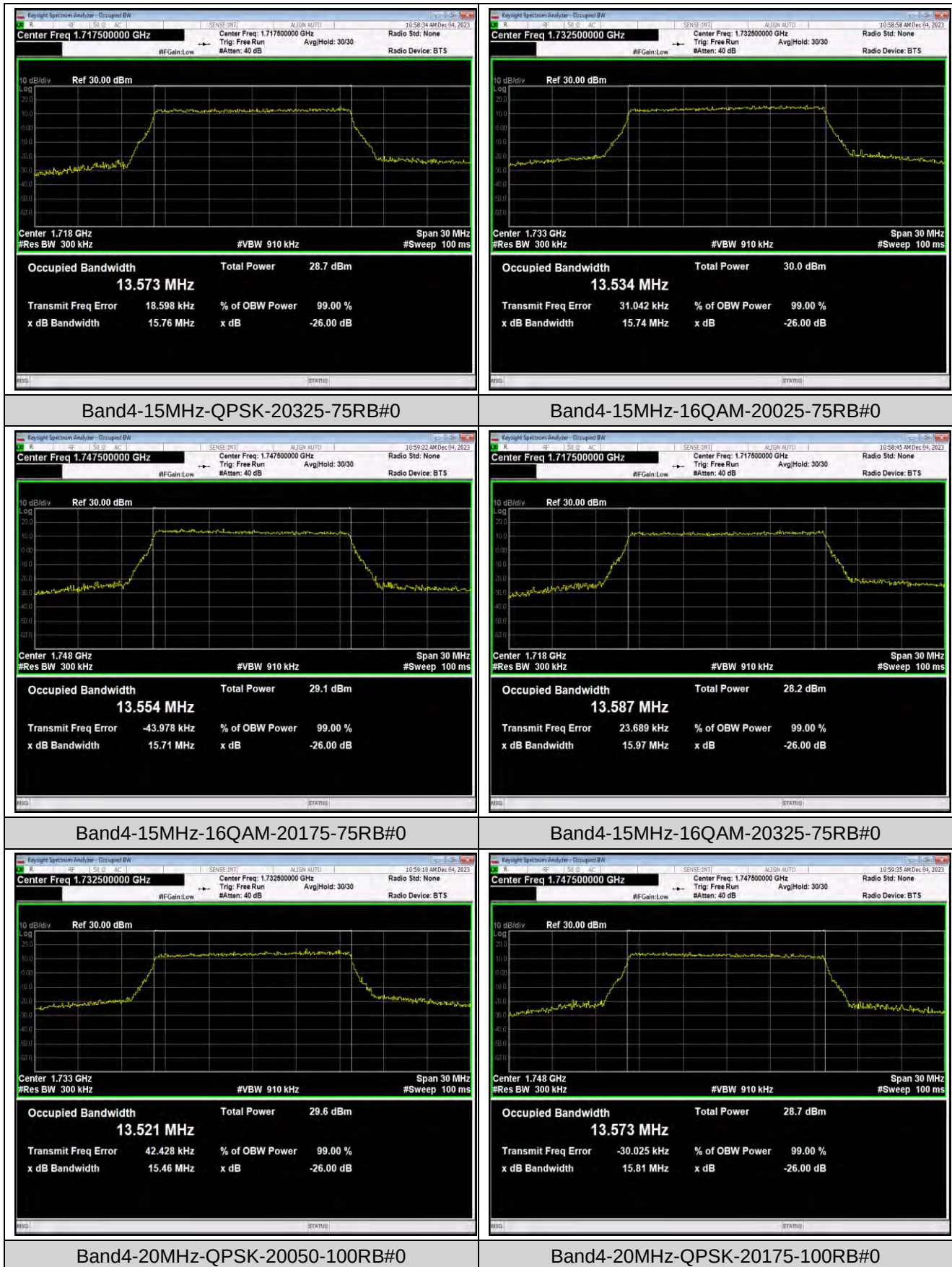
Test Graphs













Band4-20MHz-QPSK-20300-100RB#0

Band4-20MHz-16QAM-20050-100RB#0

Band4-20MHz-16QAM-20175-100RB#0

Band4-20MHz-16QAM-20300-100RB#0

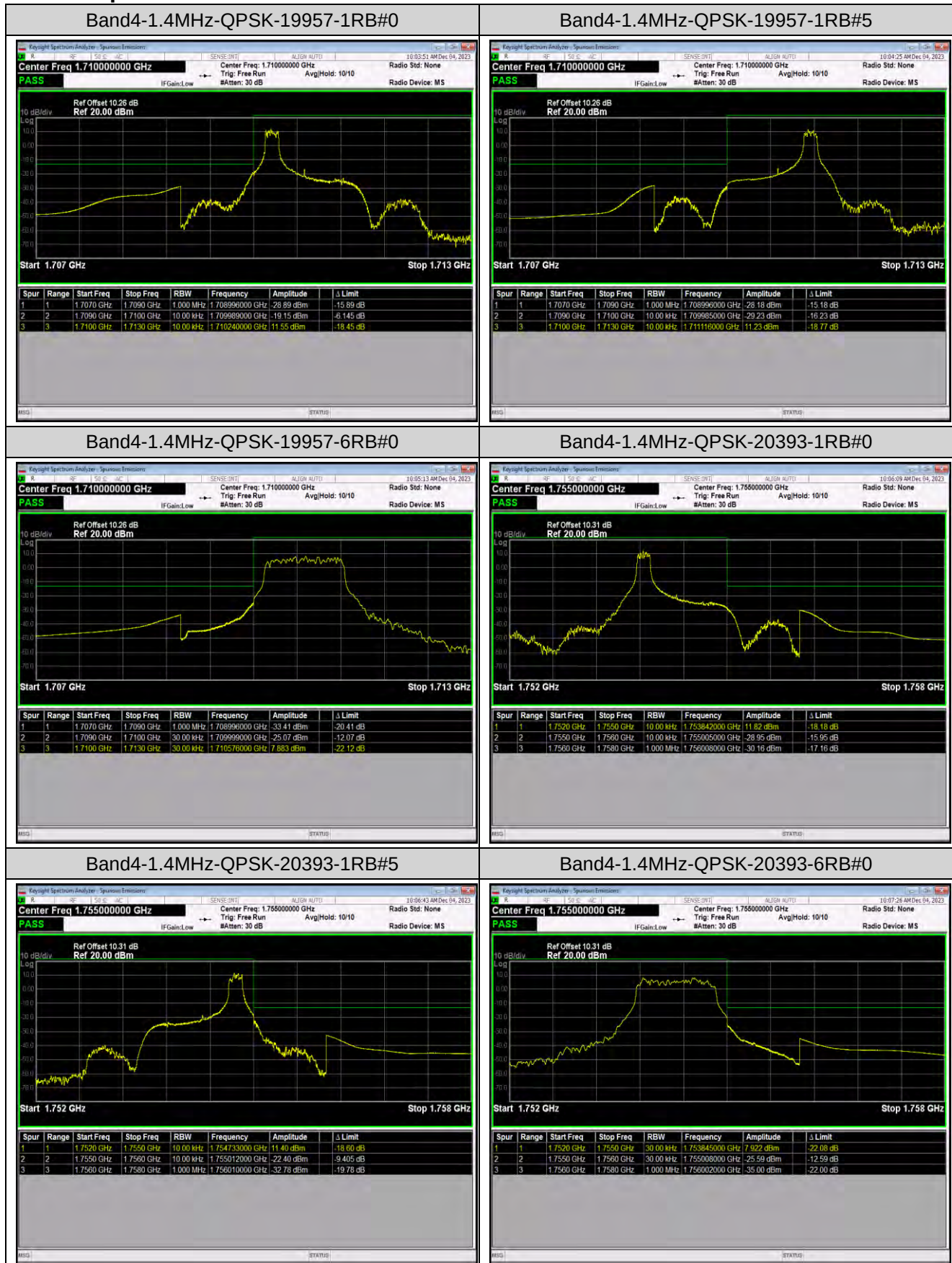
Appendix D: Band Edge

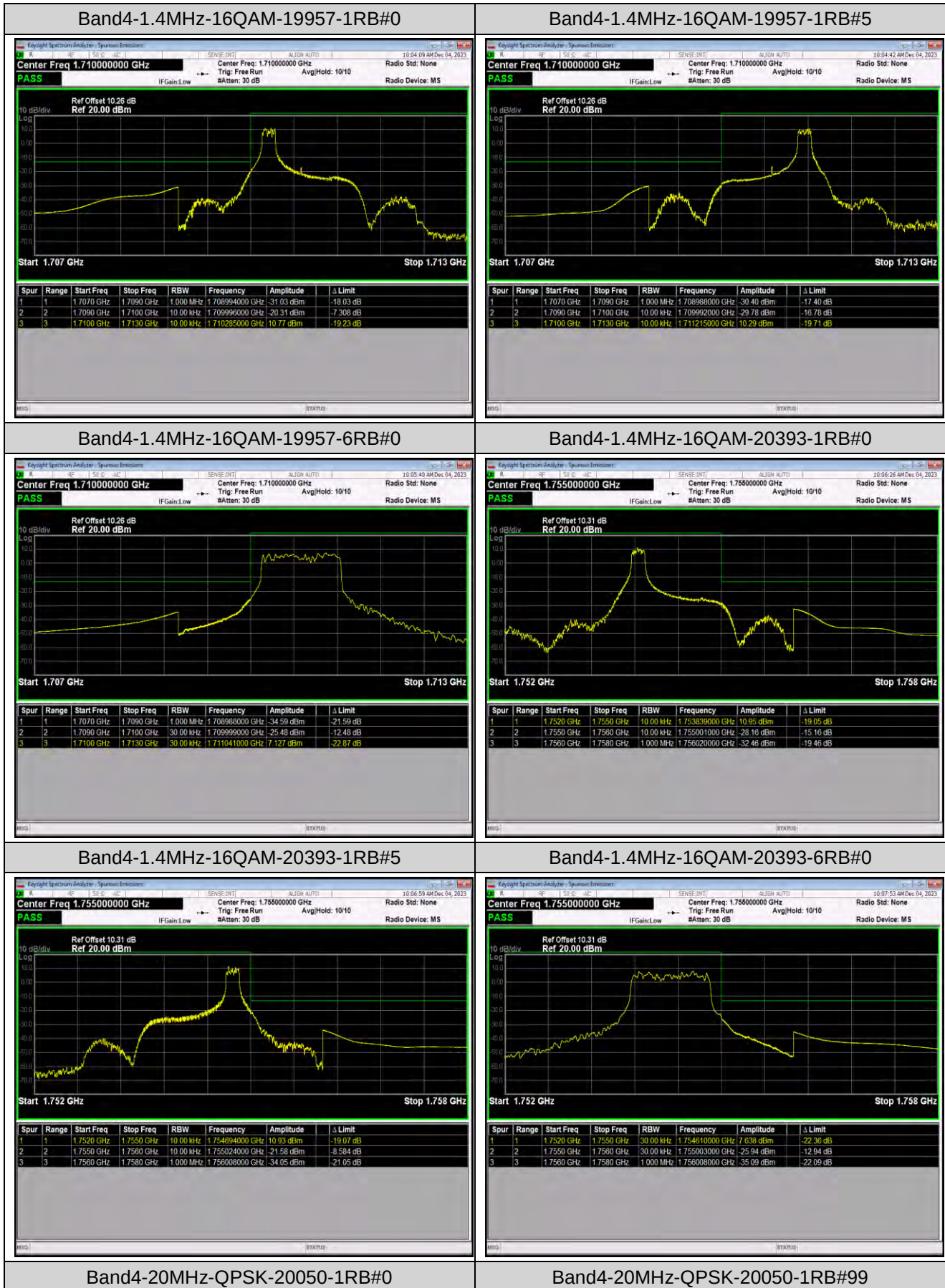
Test Result (worst case)

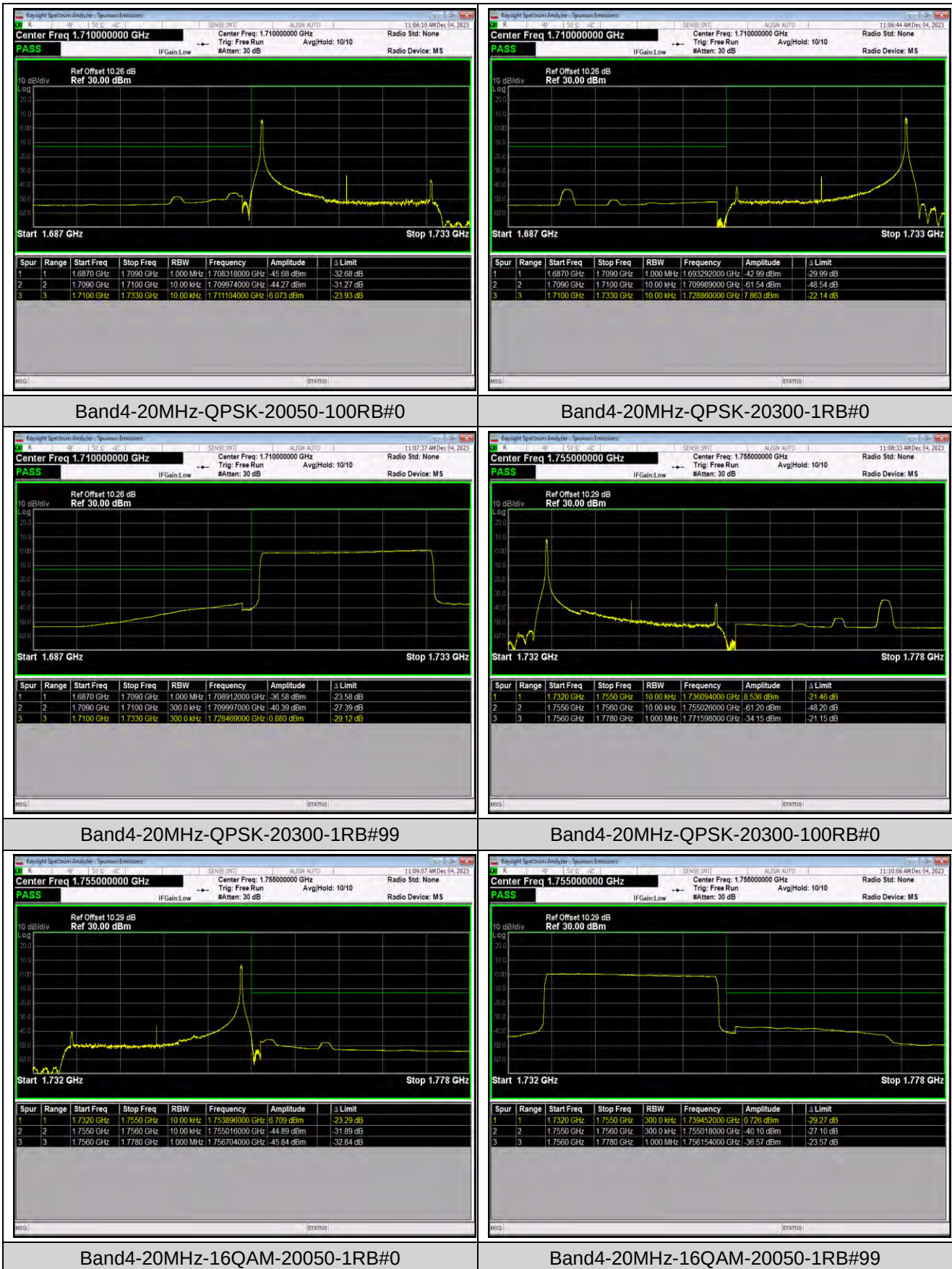
Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-28.89,-19.15	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-28.18,-29.23	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-33.41,-25.07	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-28.95,-30.16	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-22.40,-32.78	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-25.59,-35.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-31.03,-20.31	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-30.40,-29.78	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-34.59,-25.48	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-28.16,-32.46	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-21.58,-34.05	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-25.94,-35.09	PASS
Band4	20MHz	QPSK	20050	1RB#0	-45.68,-44.27	PASS
Band4	20MHz	QPSK	20050	1RB#99	-42.99,-61.54	PASS
Band4	20MHz	QPSK	20050	100RB#0	-36.58,-40.39	PASS
Band4	20MHz	QPSK	20300	1RB#0	-61.20,-34.15	PASS
Band4	20MHz	QPSK	20300	1RB#99	-44.89,-45.84	PASS
Band4	20MHz	QPSK	20300	100RB#0	-40.10,-36.57	PASS
Band4	20MHz	16QAM	20050	1RB#0	-46.40,-43.81	PASS
Band4	20MHz	16QAM	20050	1RB#99	-44.05,-61.43	PASS
Band4	20MHz	16QAM	20050	100RB#0	-37.48,-41.05	PASS
Band4	20MHz	16QAM	20300	1RB#0	-60.59,-36.14	PASS
Band4	20MHz	16QAM	20300	1RB#99	-45.40,-46.26	PASS
Band4	20MHz	16QAM	20300	100RB#0	-39.16,-36.24	PASS

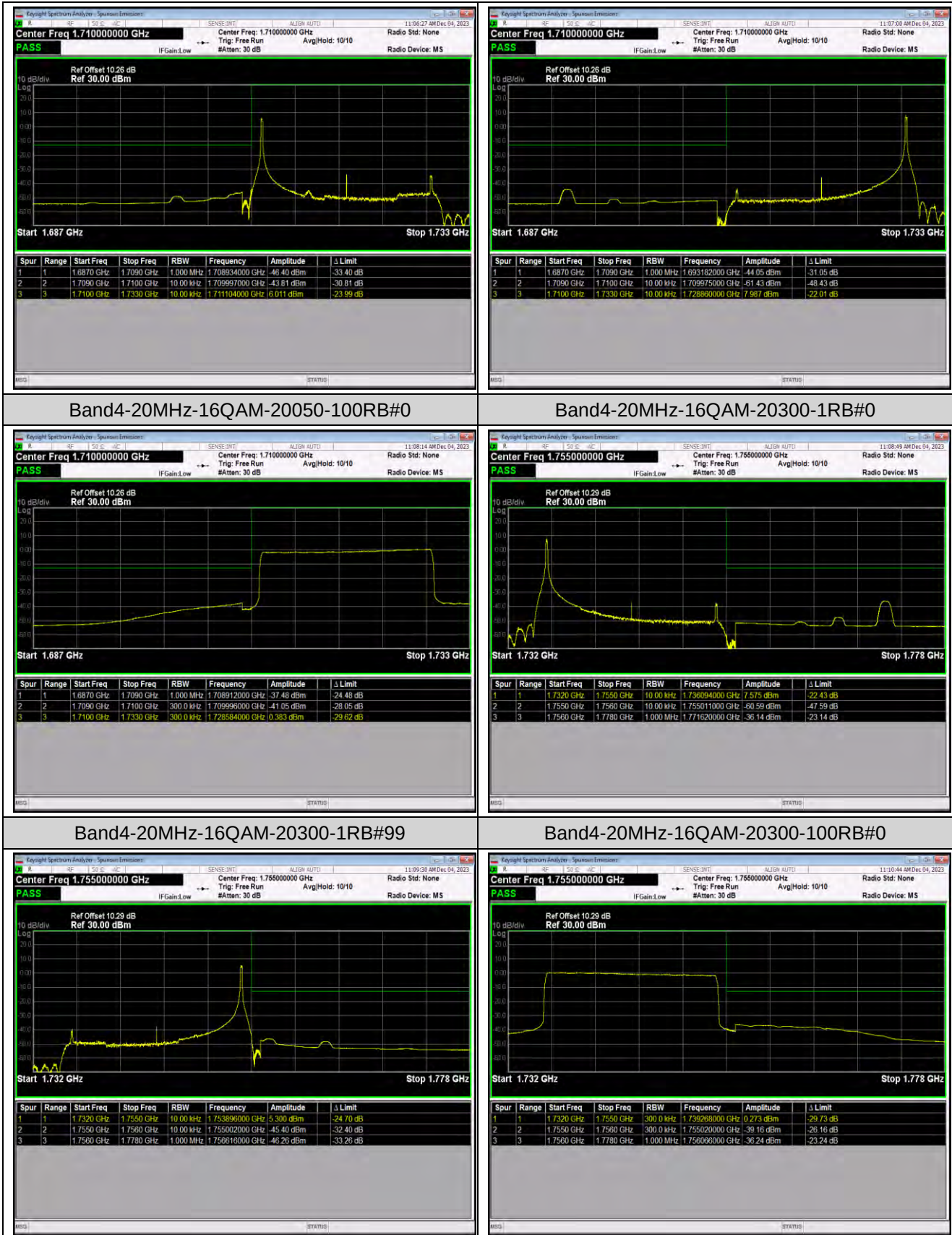
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs









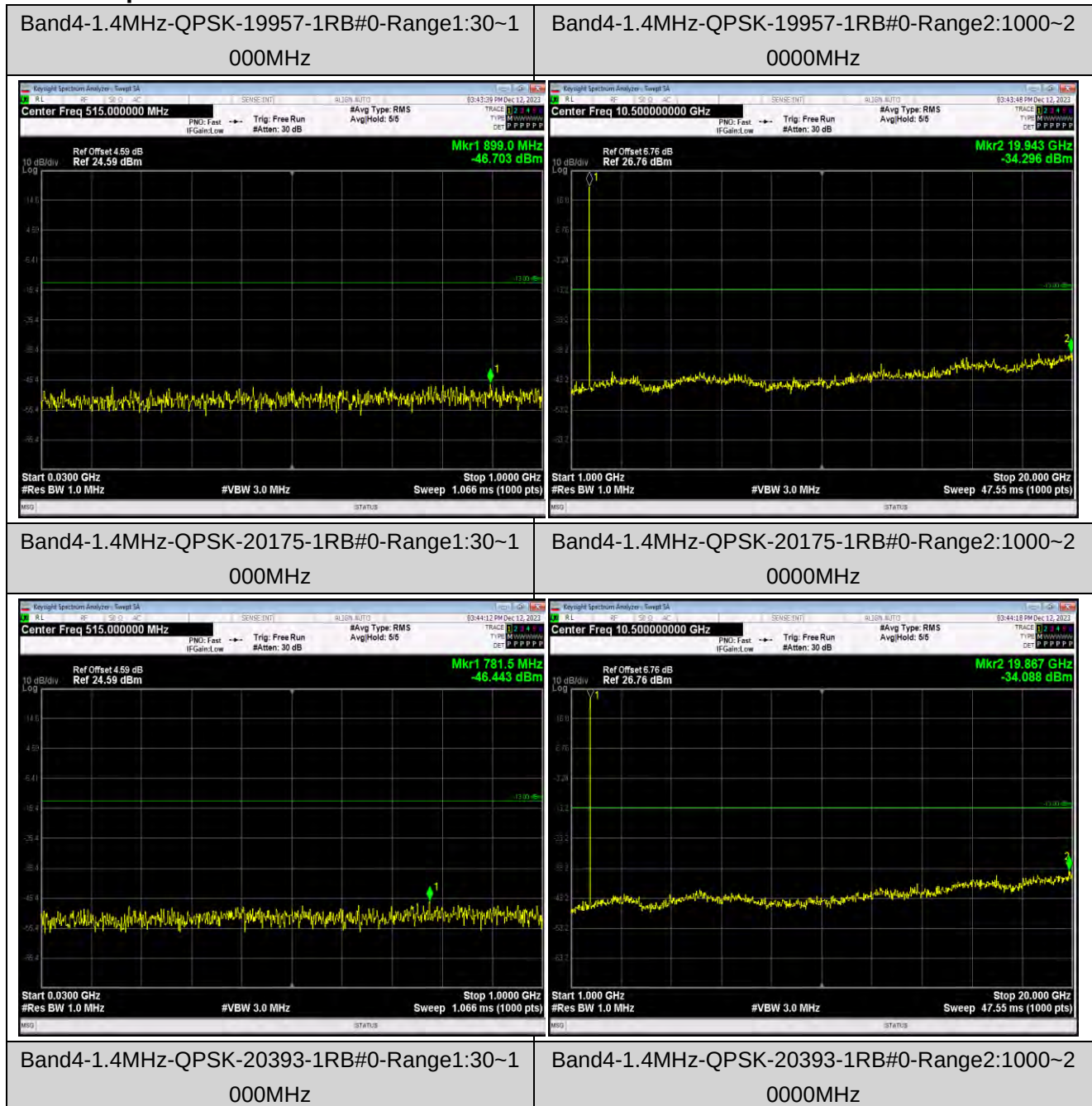
Appendix E: Conducted Spurious Emission

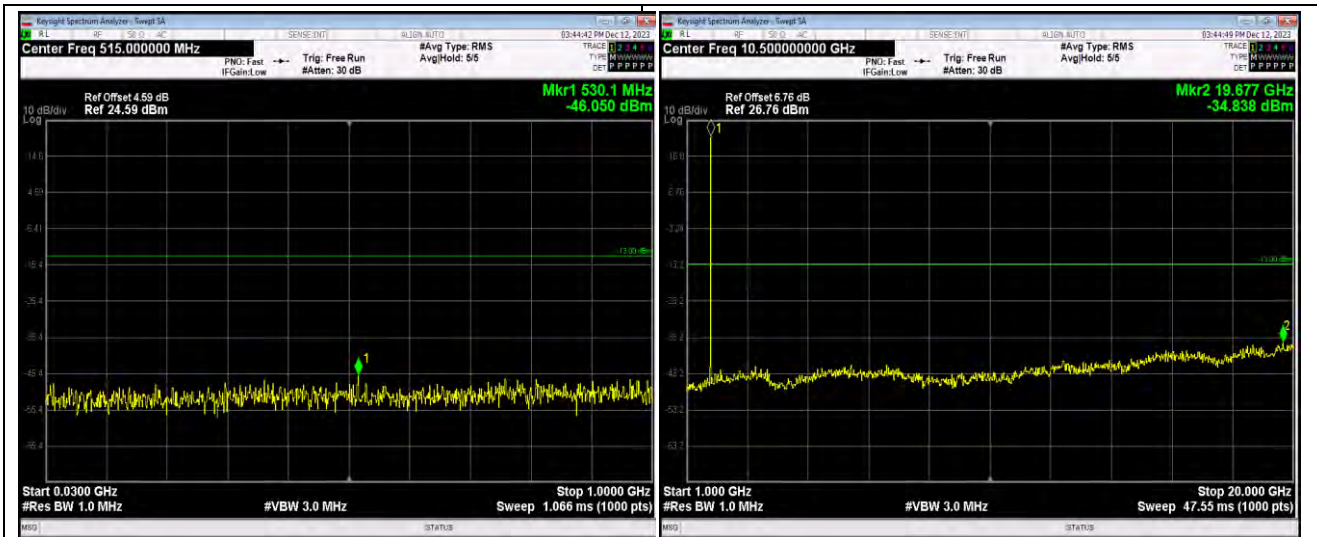
Test Result (worst case)

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-47.2	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000MHz	-34.82	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-46.74	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-34.49	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-47.13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000MHz	-35.22	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-46.37	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000MHz	-34.41	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-47.02	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-34.72	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-47.12	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000MHz	-34.71	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-46.71	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~20000MHz	-34.82	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-46.17	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-33.78	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-47.59	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~20000MHz	-34.82	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-46.46	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~20000MHz	-33.66	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-46.38	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-34.28	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-46.33	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~20000MHz	-33.17	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

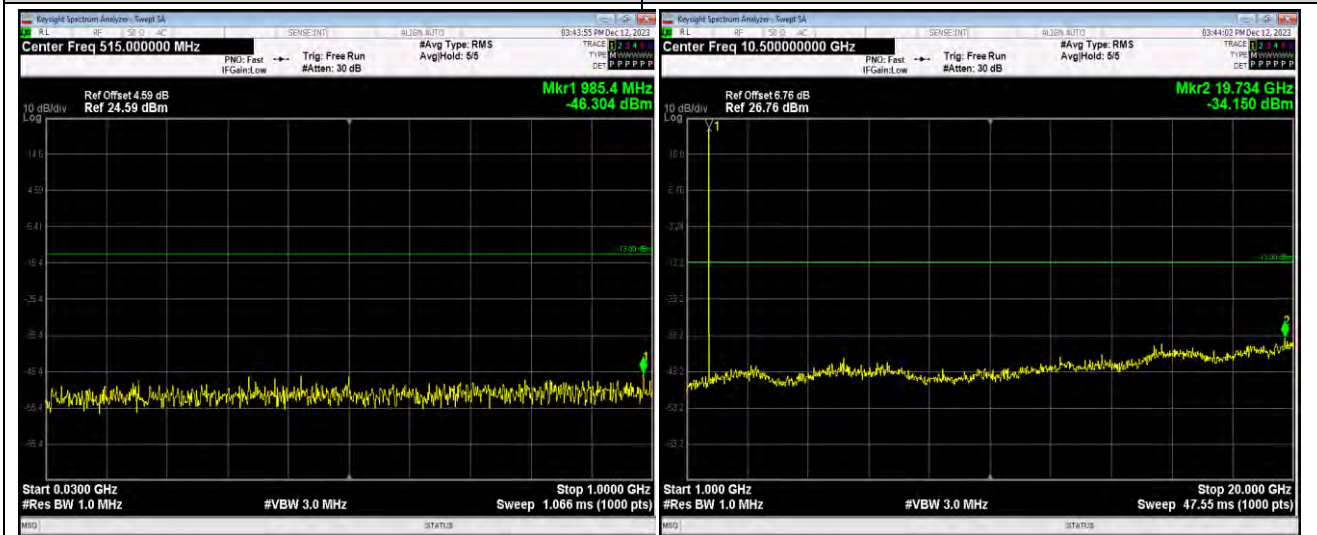
Test Graphs





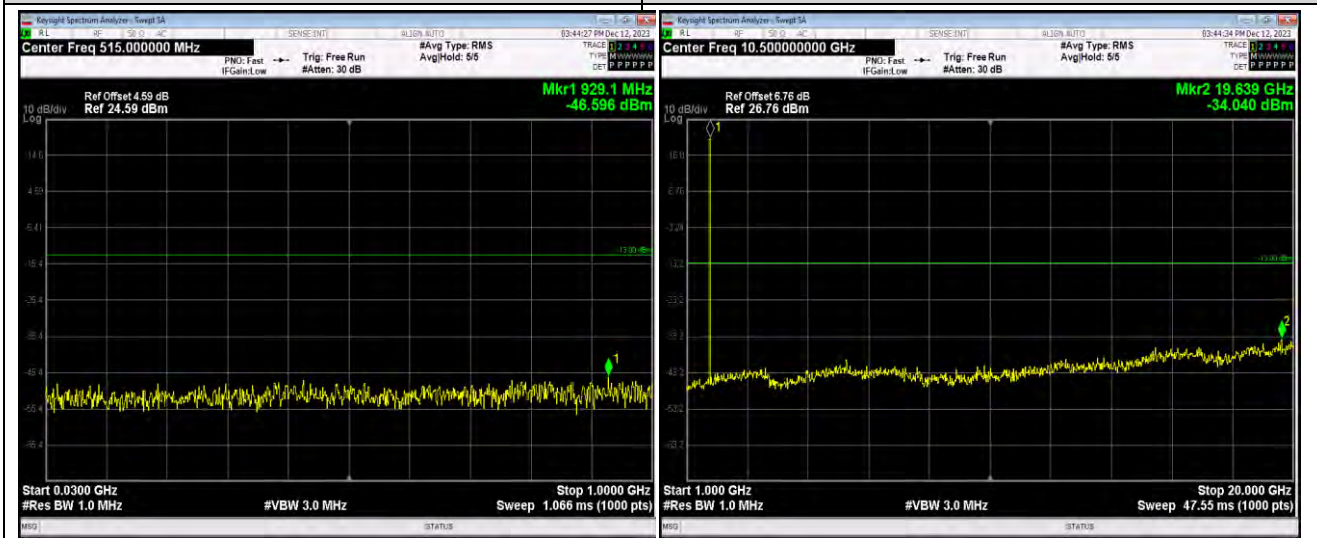
Band4-1.4MHz-16QAM-19957-1RB#0-Range1:30~
1000MHz

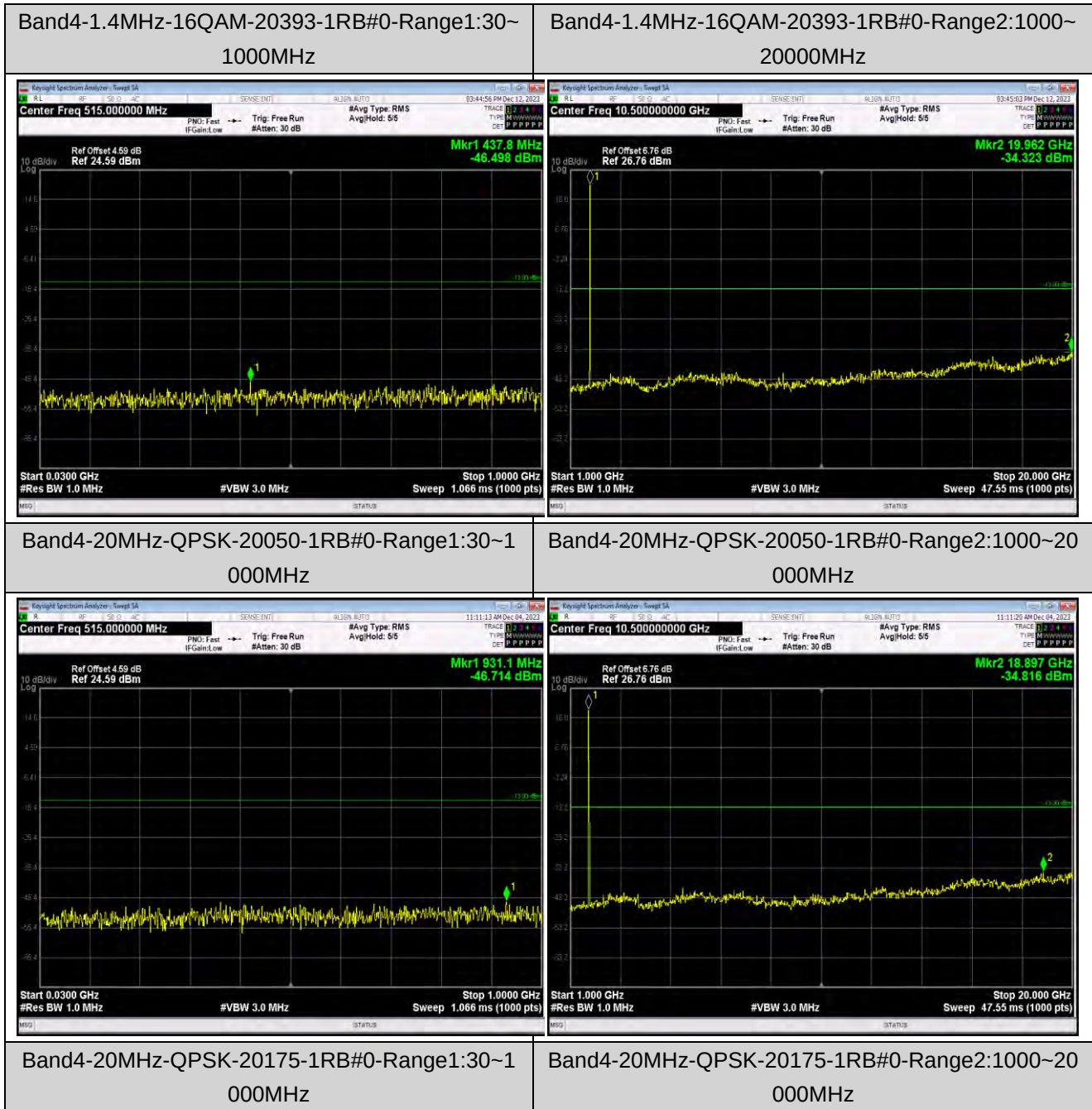
Band4-1.4MHz-16QAM-19957-1RB#0-Range2:1000~
20000MHz

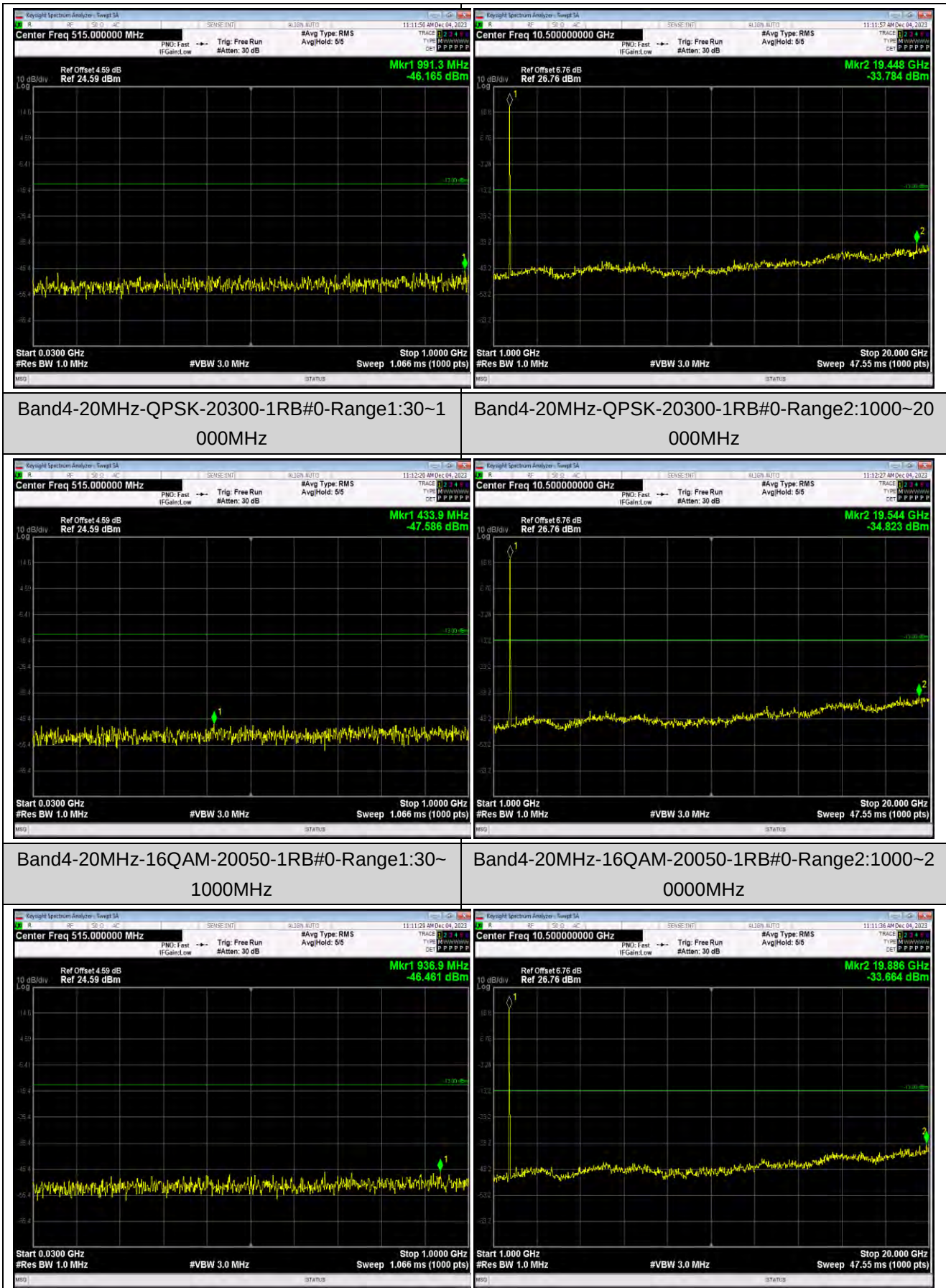


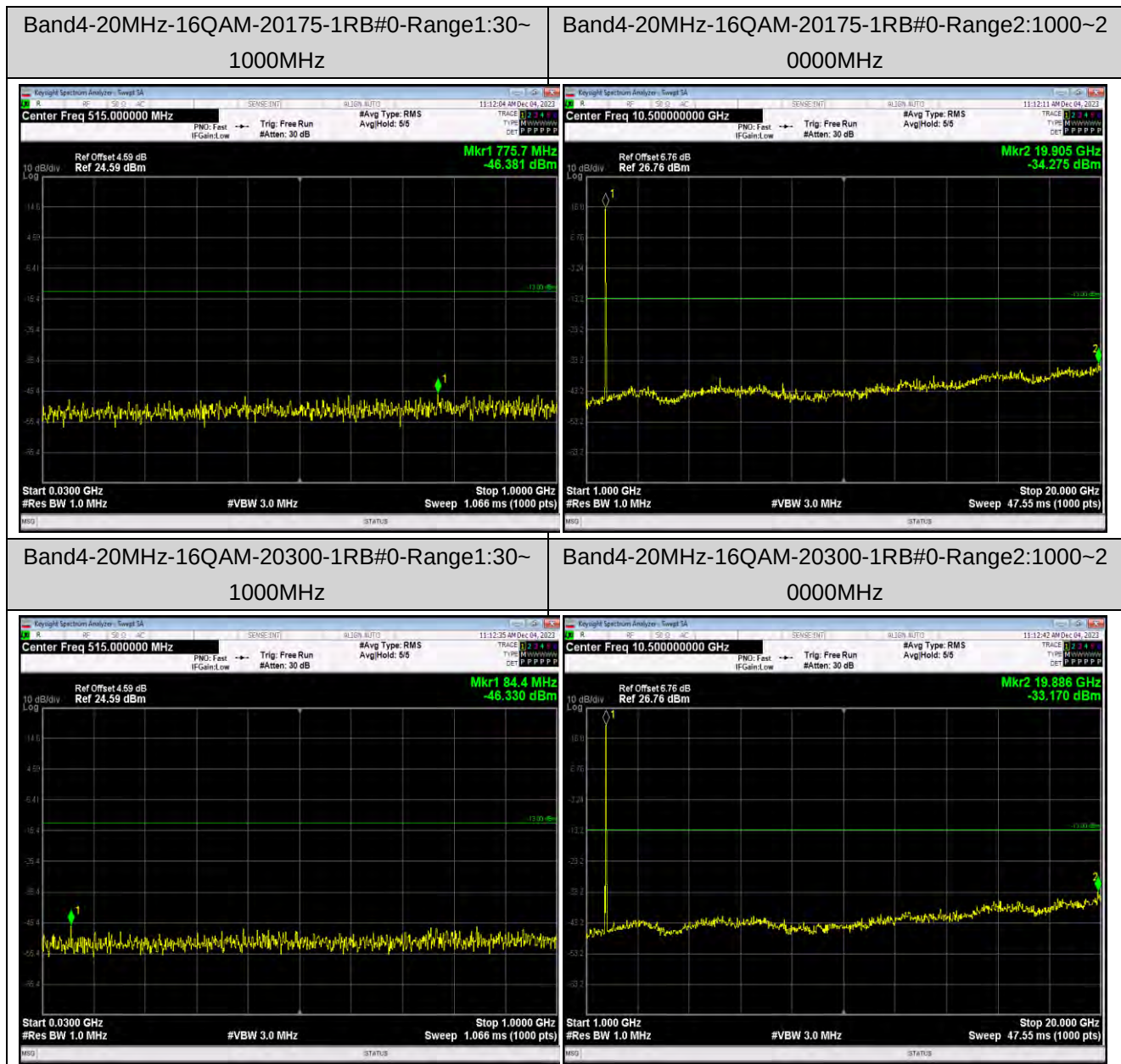
Band4-1.4MHz-16QAM-20175-1RB#0-Range1:30~
1000MHz

Band4-1.4MHz-16QAM-20175-1RB#0-Range2:1000~
20000MHz









Appendix F: Frequency Stability

Test Result

LTE Band 4 part:

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 Frequency=1732.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.80	-30	-10.23	-0.005905	Within authorized band for Band 4	Pass
	-20	-26.41	-0.015244		
	-10	-22.09	-0.012750		
	0	-11.10	-0.006407		
	10	-29.77	-0.017183		
	20	-10.46	-0.006038		
	30	-23.50	-0.013564		
	40	-22.77	-0.013143		
	50	-18.91	-0.010915		
16QAM					
3.80	-30	-26.09	-0.015059	Within authorized band for Band 4	Pass
	-20	-29.87	-0.017241		
	-10	-12.36	-0.007134		
	0	-28.20	-0.016277		
	10	-11.30	-0.006522		
	20	-26.76	-0.015446		
	30	-10.10	-0.005830		
	40	-17.18	-0.009916		
	50	-8.96	-0.005172		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.50	-27.38	-0.015804	Within authorized band for Band 4	Pass
	3.80	-26.56	-0.015330		
	4.35	-37.12	-0.021426		
16QAM					
25	3.50	-10.01	-0.005778	Within authorized band for Band 4	Pass
	3.80	-35.05	-0.020231		
	4.35	-25.95	-0.014978		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band4	20MHz	QPSK	20175	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20175	100RB#0	PASS	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

