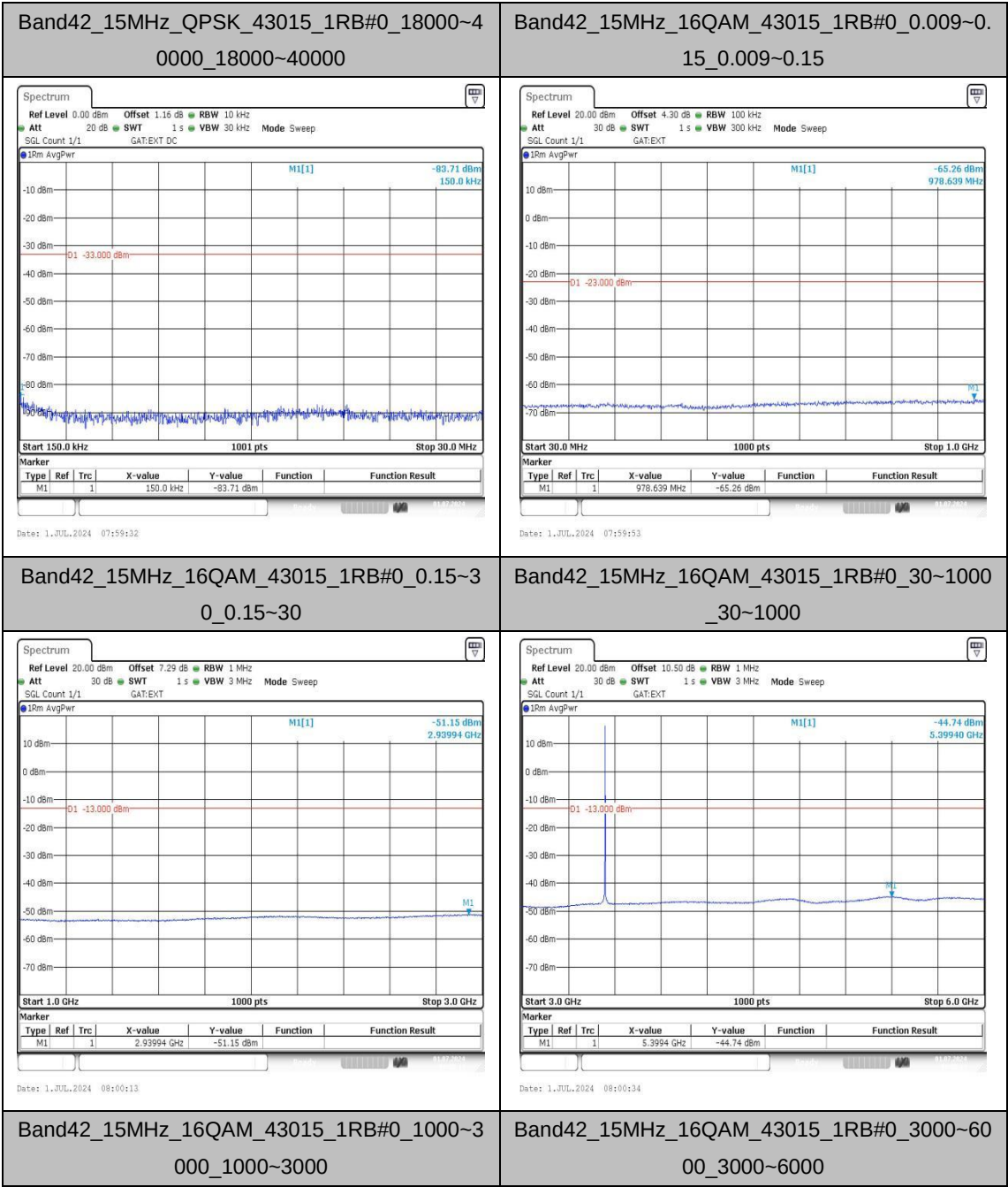
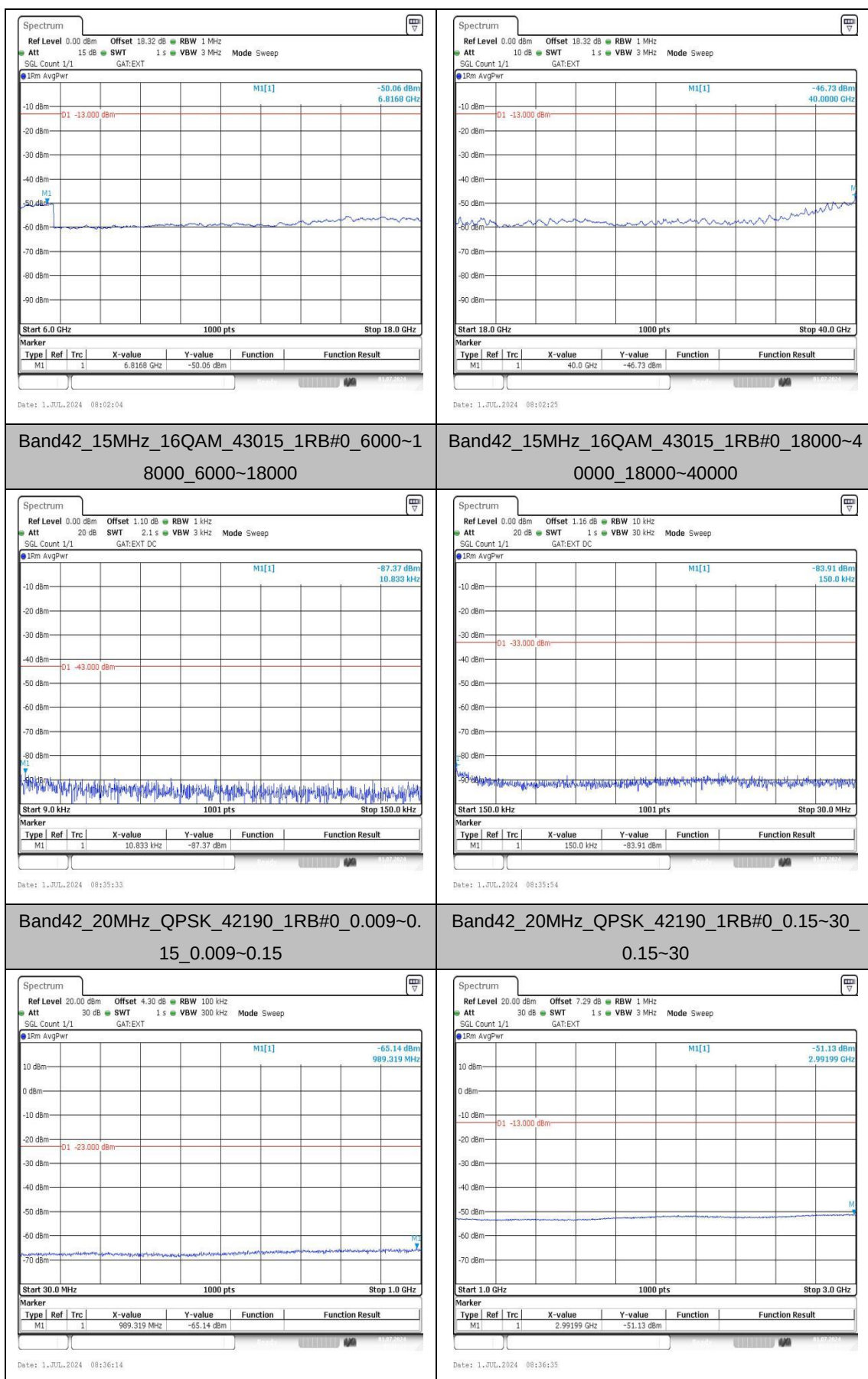
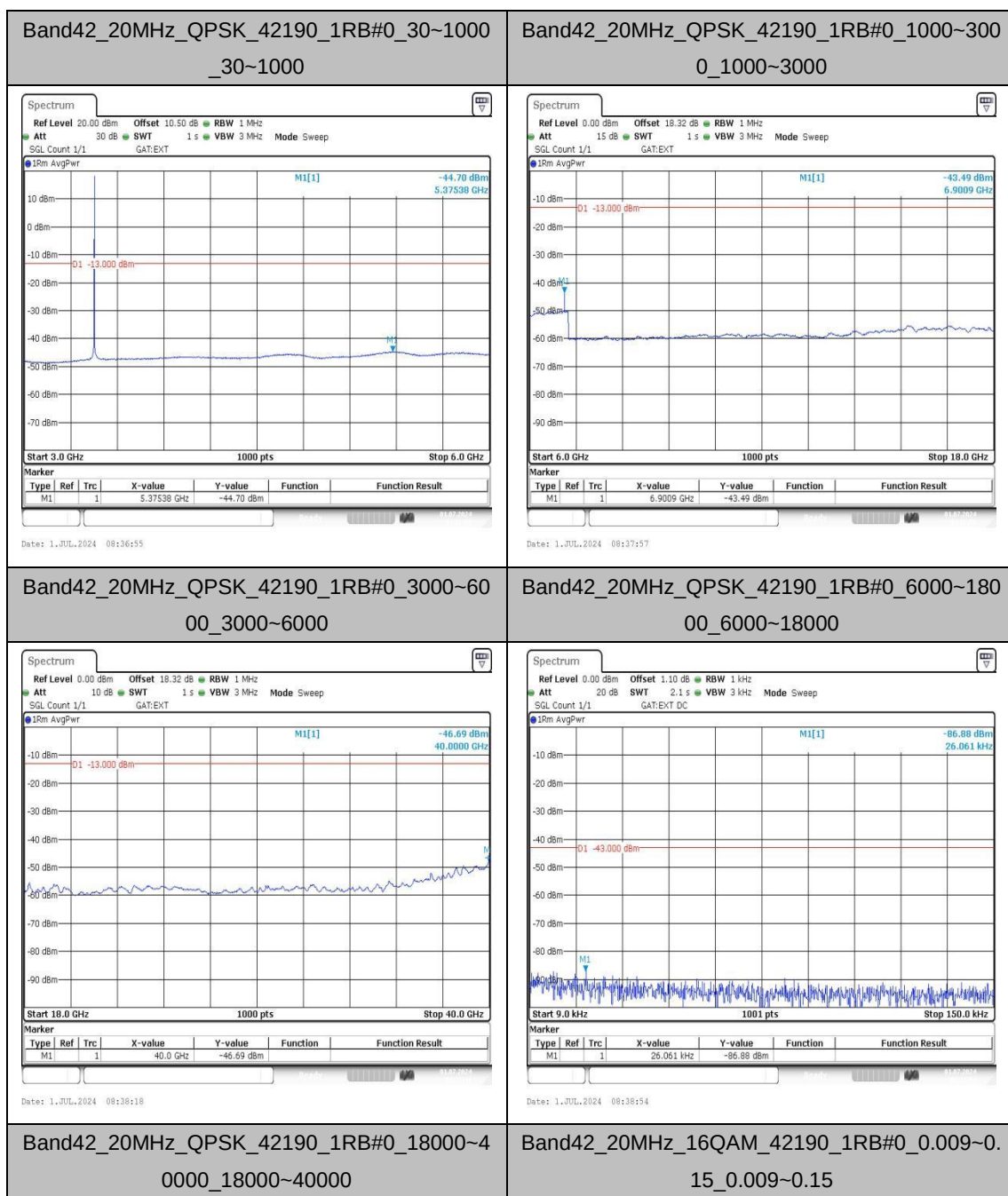
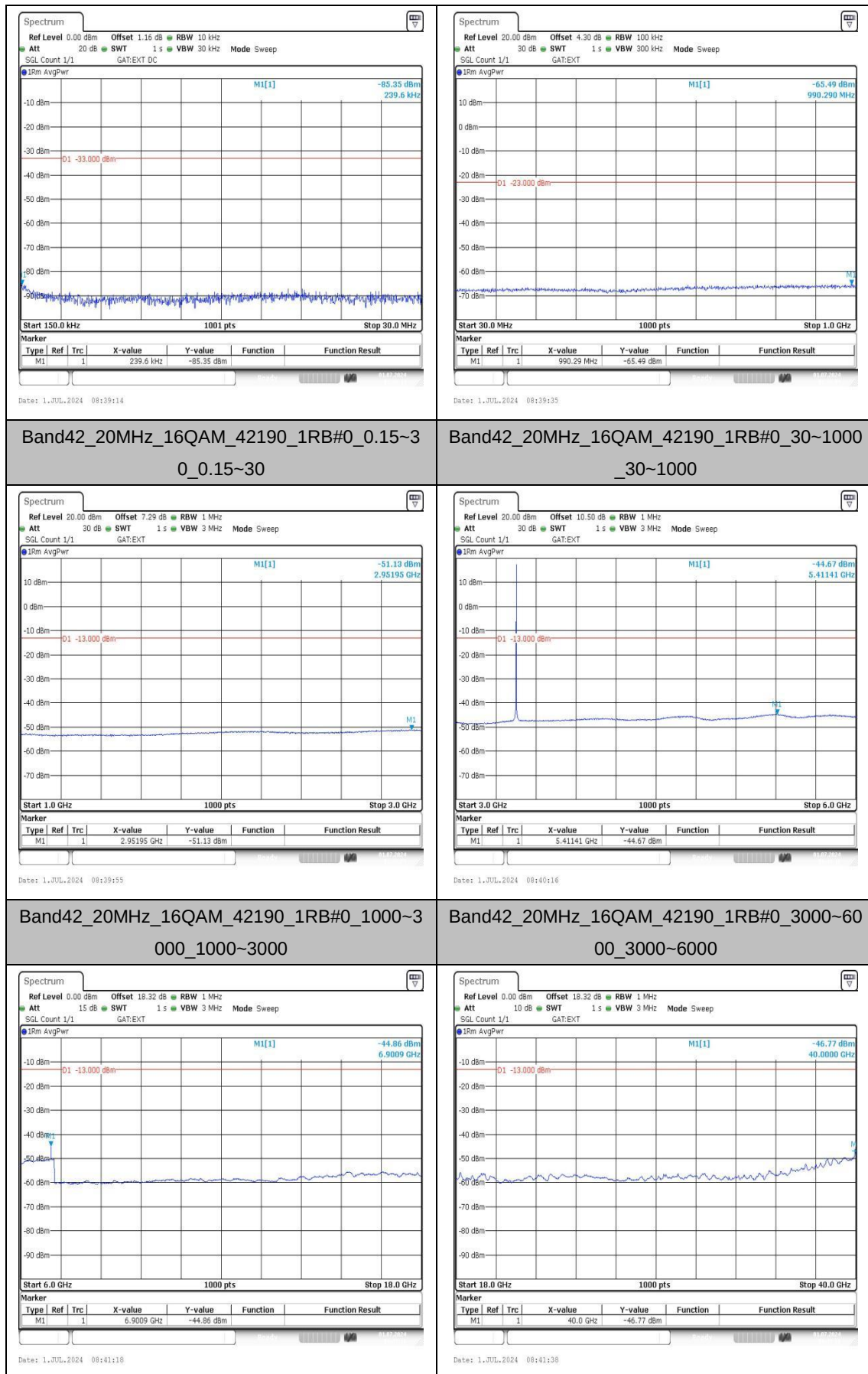
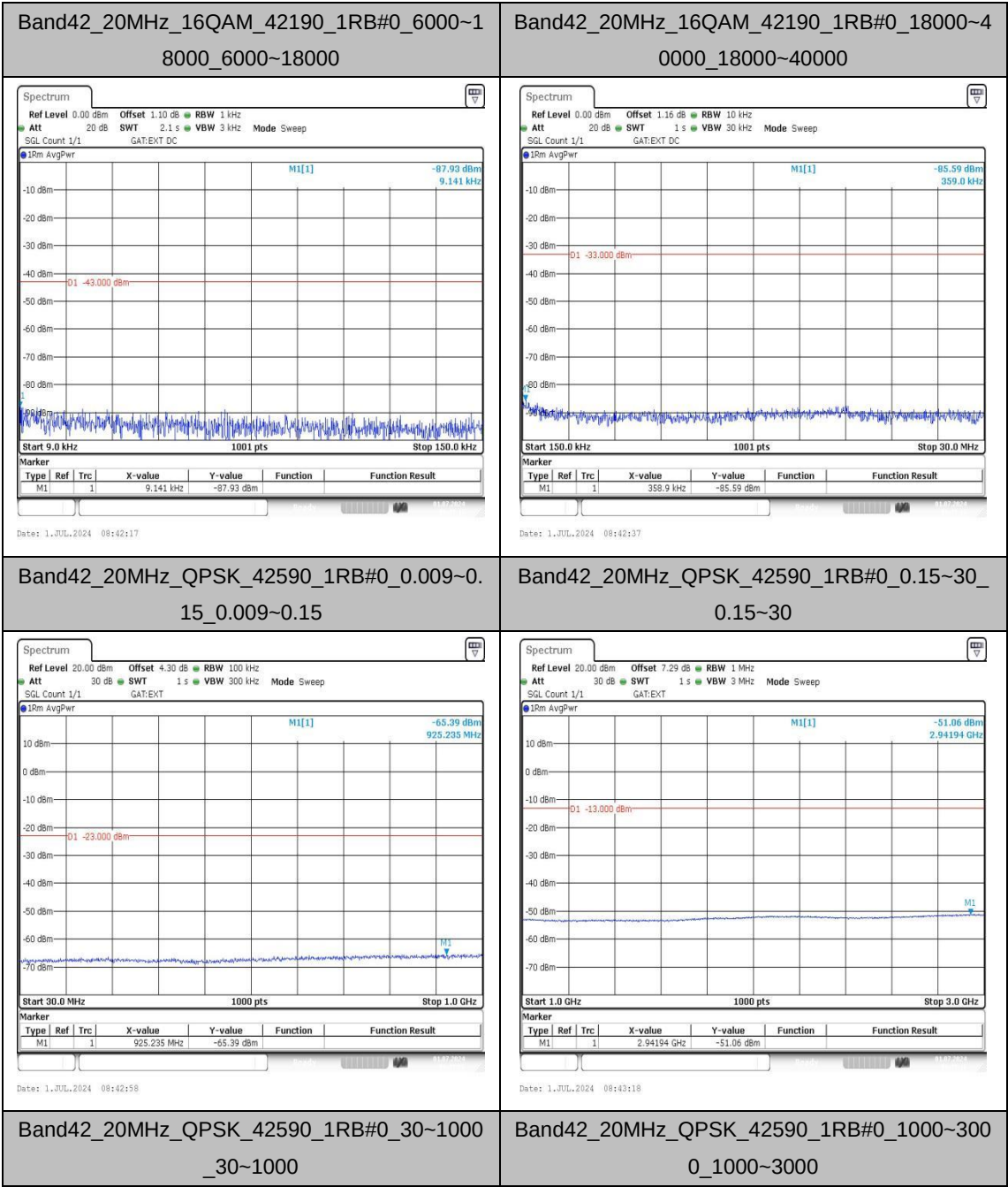


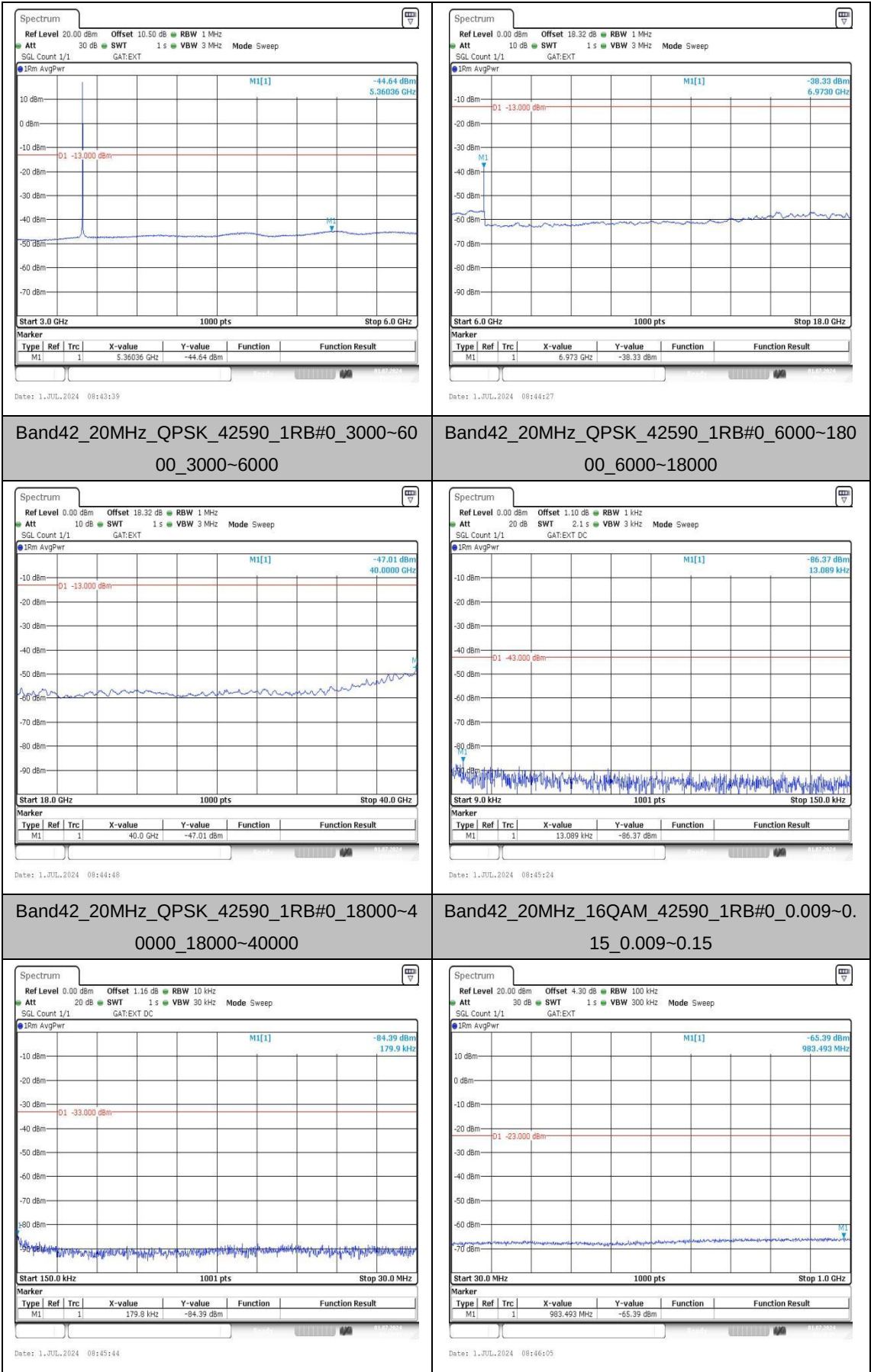


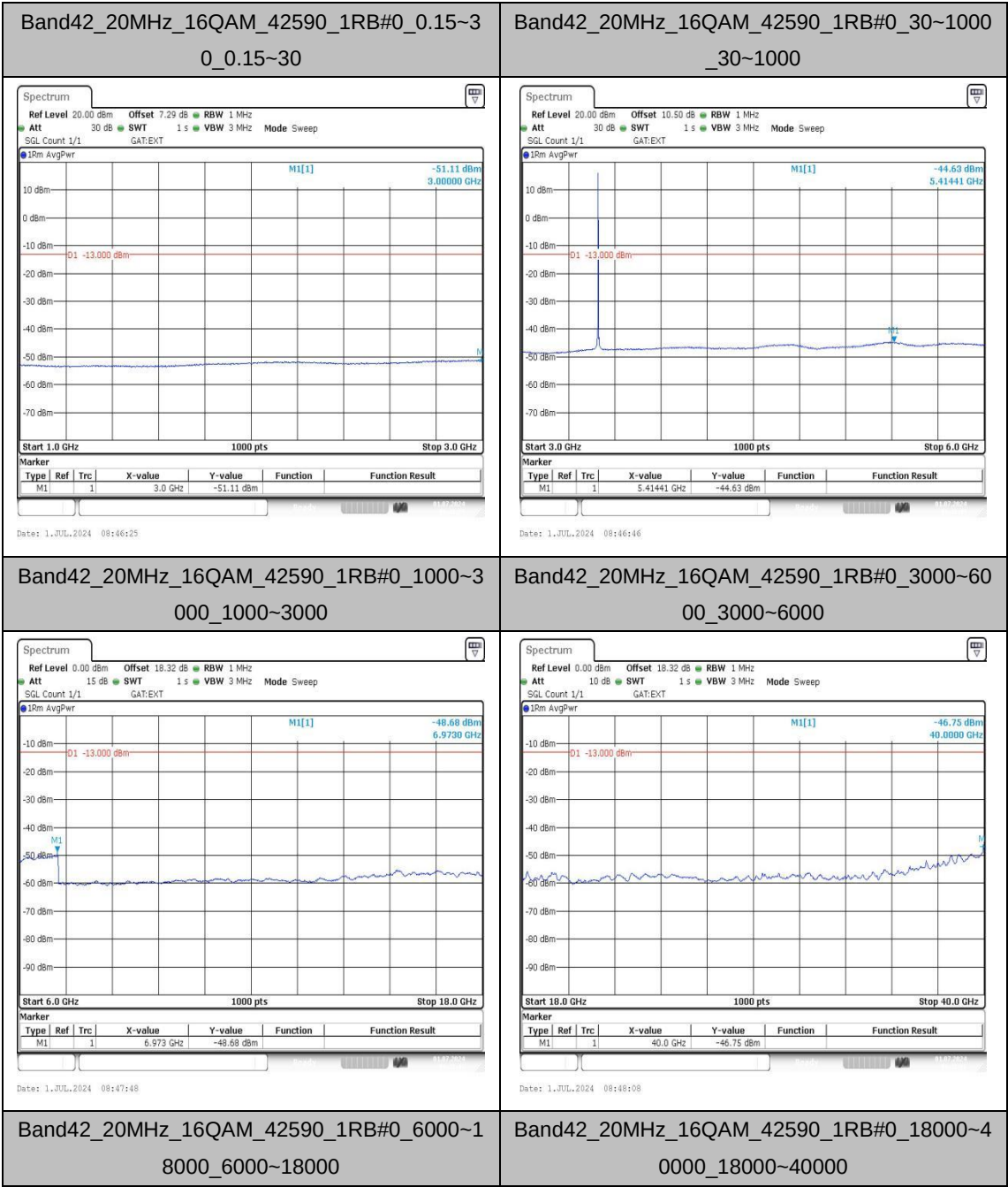


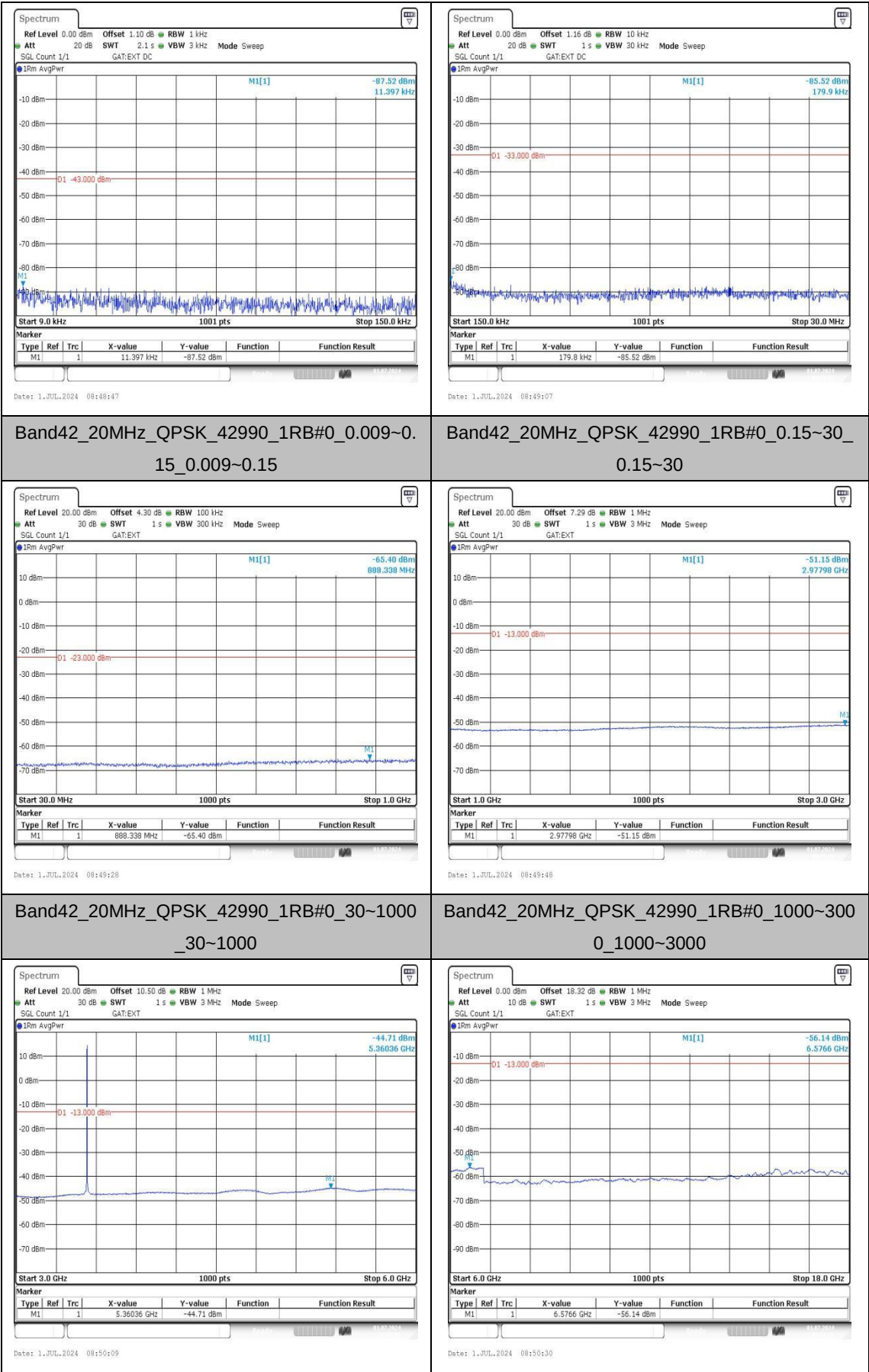


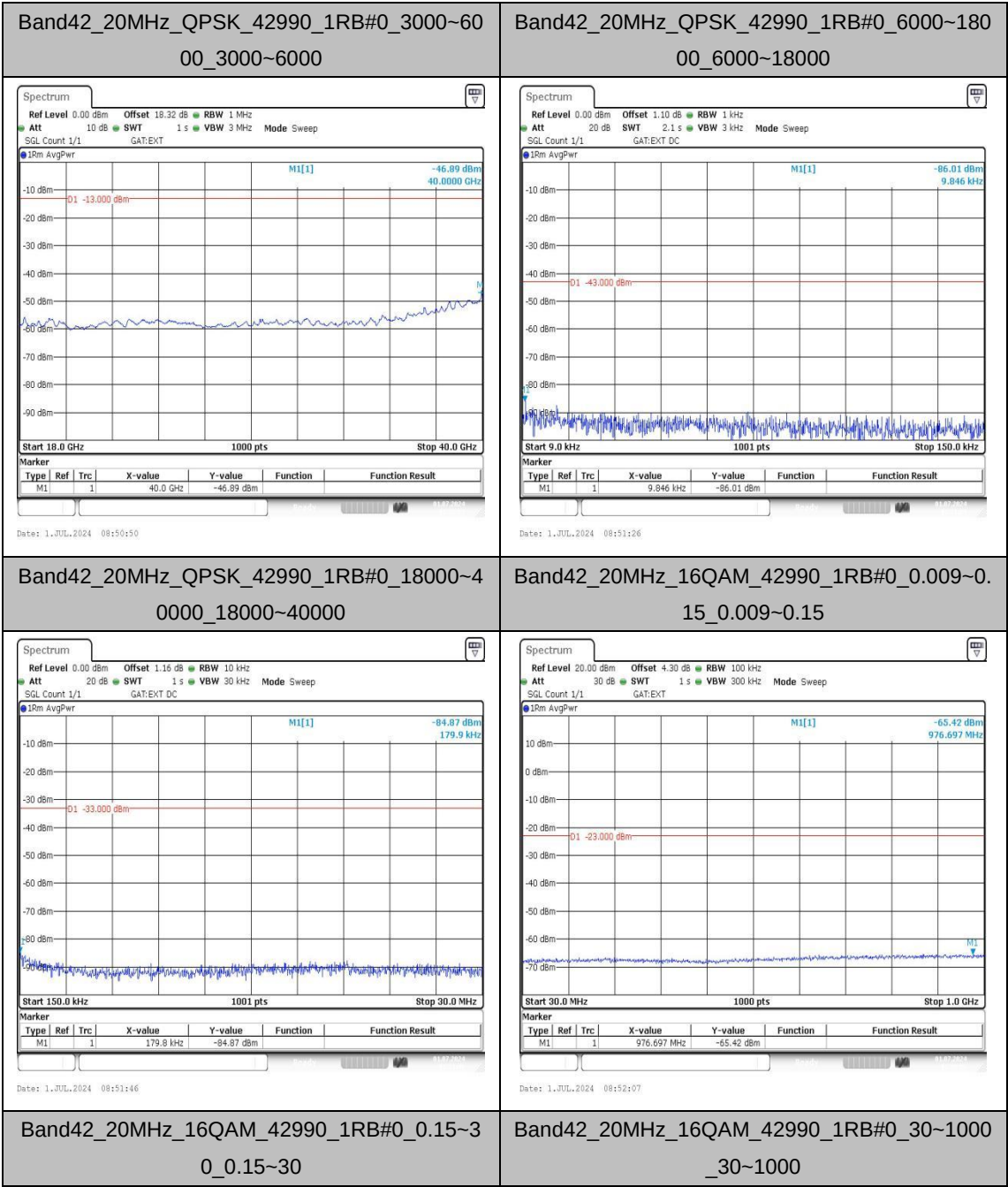


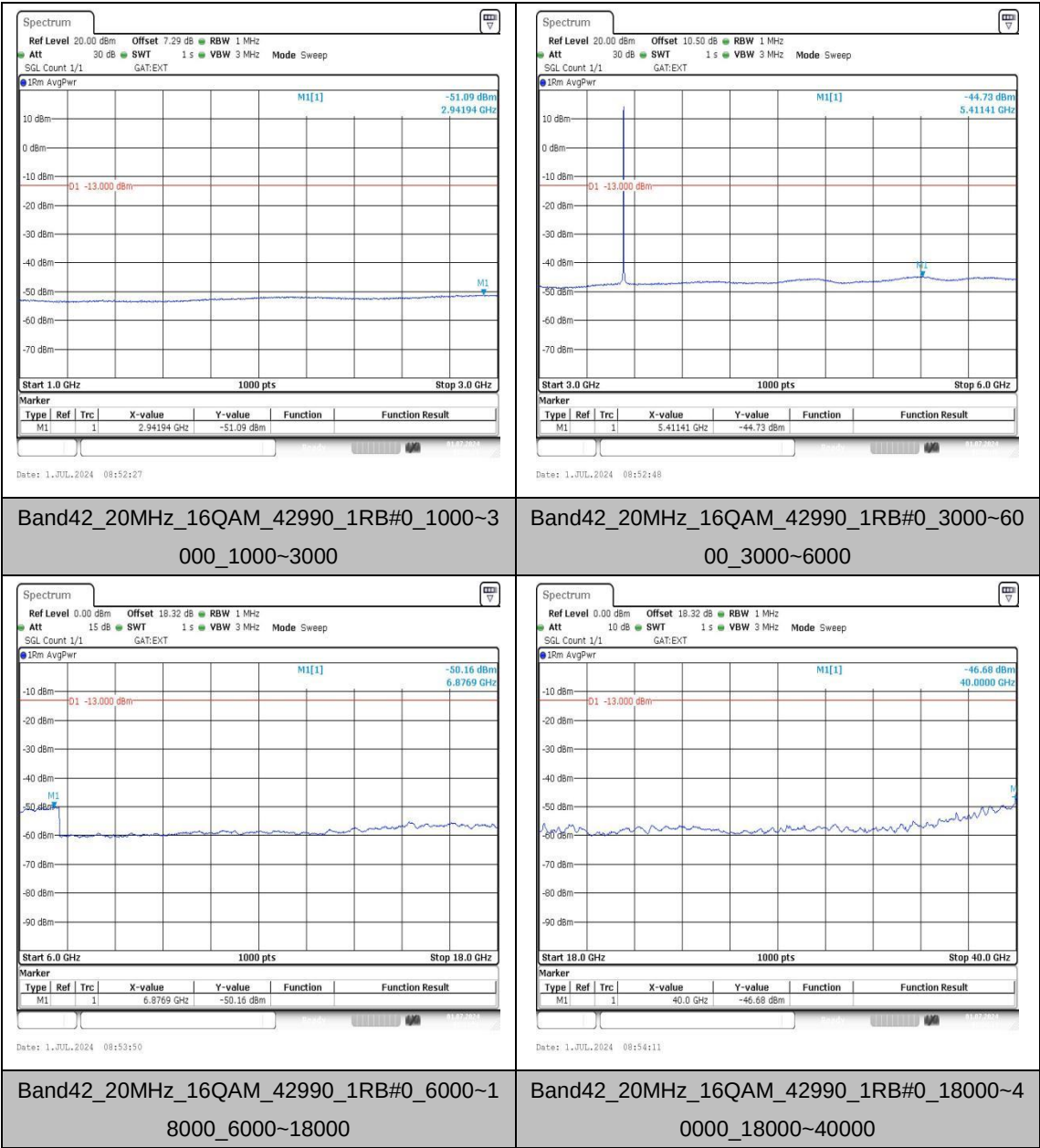












Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
42(3450-3550)	5MHz	QPSK	42115	25RB#0	VN	NT	5.38	0.001558	±2.5	PASS
42(3450-3550)	5MHz	QPSK	42115	25RB#0	VL	NT	4.79	0.001387	±2.5	PASS
42(3450-3550)	5MHz	QPSK	42115	25RB#0	VH	NT	3.38	0.000979	±2.5	PASS
42(3450-3550)	5MHz	16QAM	42115	25RB#0	VN	NT	-3.43	-0.000993	±2.5	PASS
42(3450-3550)	5MHz	16QAM	42115	25RB#0	VL	NT	4.85	0.001405	±2.5	PASS
42(3450-3550)	5MHz	16QAM	42115	25RB#0	VH	NT	-4.08	-0.001182	±2.5	PASS
42(3450-3550)	5MHz	QPSK	42590	25RB#0	VN	NT	3.13	0.000894	±2.5	PASS
42(3450-3550)	5MHz	QPSK	42590	25RB#0	VL	NT	-7.82	-0.002234	±2.5	PASS
42(3450-3550)	5MHz	QPSK	42590	25RB#0	VH	NT	6.55	0.001871	±2.5	PASS
42(3450-3550)	5MHz	16QAM	42590	25RB#0	VN	NT	5.28	0.001509	±2.5	PASS
42(3450-3550)	5MHz	16QAM	42590	25RB#0	VL	NT	-4.84	-0.001383	±2.5	PASS
42(3450-3550)	5MHz	16QAM	42590	25RB#0	VH	NT	2.79	0.000797	±2.5	PASS
42(3450-3550)	5MHz	QPSK	43065	25RB#0	VN	NT	9.44	0.002661	±2.5	PASS
42(3450-3550)	5MHz	QPSK	43065	25RB#0	VL	NT	7.12	0.002007	±2.5	PASS
42(3450-3550)	5MHz	QPSK	43065	25RB#0	VH	NT	7.04	0.001984	±2.5	PASS
42(3450-3550)	5MHz	16QAM	43065	25RB#0	VN	NT	6.74	0.001900	±2.5	PASS
42(3450-3550)	5MHz	16QAM	43065	25RB#0	VL	NT	9.31	0.002624	±2.5	PASS

42(3450-3550)	5MHz	16QAM	43065	25RB#0	VH	NT	8.24	0.002323	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB#0	VN	NT	5.18	0.001499	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB#0	VL	NT	5.01	0.001450	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB#0	VH	NT	-3.40	-0.000984	±2.5	PASS
42(3450-3550)	10MHz	16QAM	42140	50RB#0	VN	NT	-4.51	-0.001305	±2.5	PASS
42(3450-3550)	10MHz	16QAM	42140	50RB#0	VL	NT	4.32	0.001250	±2.5	PASS
42(3450-3550)	10MHz	16QAM	42140	50RB#0	VH	NT	6.29	0.001821	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	VN	NT	4.62	0.001320	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	VL	NT	4.09	0.001169	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	VH	NT	2.92	0.000834	±2.5	PASS
42(3450-3550)	10MHz	16QAM	42590	50RB#0	VN	NT	-5.01	-0.001431	±2.5	PASS
42(3450-3550)	10MHz	16QAM	42590	50RB#0	VL	NT	2.55	0.000729	±2.5	PASS
42(3450-3550)	10MHz	16QAM	42590	50RB#0	VH	NT	3.72	0.001063	±2.5	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB#0	VN	NT	-7.20	-0.002031	±2.5	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB#0	VL	NT	4.59	0.001295	±2.5	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB#0	VH	NT	5.16	0.001456	±2.5	PASS
42(3450-3550)	10MHz	16QAM	43040	50RB#0	VN	NT	6.28	0.001772	±2.5	PASS
42(3450-3550)	10MHz	16QAM	43040	50RB#0	VL	NT	-3.96	-0.001117	±2.5	PASS
42(3450-3550)	10MHz	16QAM	43040	50RB#0	VH	NT	3.82	0.001078	±2.5	PASS
42(3450-3550)	15MHz	QPSK	42165	75RB#0	VN	NT	-5.54	-0.001602	±2.5	PASS
42(3450-3550)	15MHz	QPSK	42165	75RB#0	VL	NT	7.47	0.002161	±2.5	PASS

42(3450-3550)	15MHz	QPSK	42165	75RB#0	VH	NT	6.39	0.001848	±2.5	PASS
42(3450-3550)	15MHz	16QAM	42165	75RB#0	VN	NT	-5.55	-0.001605	±2.5	PASS
42(3450-3550)	15MHz	16QAM	42165	75RB#0	VL	NT	5.98	0.001730	±2.5	PASS
42(3450-3550)	15MHz	16QAM	42165	75RB#0	VH	NT	5.42	0.001568	±2.5	PASS
42(3450-3550)	15MHz	QPSK	42590	75RB#0	VN	NT	4.22	0.001206	±2.5	PASS
42(3450-3550)	15MHz	QPSK	42590	75RB#0	VL	NT	-5.68	-0.001623	±2.5	PASS
42(3450-3550)	15MHz	QPSK	42590	75RB#0	VH	NT	3.96	0.001131	±2.5	PASS
42(3450-3550)	15MHz	16QAM	42590	75RB#0	VN	NT	4.75	0.001357	±2.5	PASS
42(3450-3550)	15MHz	16QAM	42590	75RB#0	VL	NT	6.24	0.001783	±2.5	PASS
42(3450-3550)	15MHz	16QAM	42590	75RB#0	VH	NT	-4.46	-0.001274	±2.5	PASS
42(3450-3550)	15MHz	QPSK	43015	75RB#0	VN	NT	-6.27	-0.001770	±2.5	PASS
42(3450-3550)	15MHz	QPSK	43015	75RB#0	VL	NT	-7.17	-0.002024	±2.5	PASS
42(3450-3550)	15MHz	QPSK	43015	75RB#0	VH	NT	-9.44	-0.002665	±2.5	PASS
42(3450-3550)	15MHz	16QAM	43015	75RB#0	VN	NT	-5.76	-0.001626	±2.5	PASS
42(3450-3550)	15MHz	16QAM	43015	75RB#0	VL	NT	-4.95	-0.001397	±2.5	PASS
42(3450-3550)	15MHz	16QAM	43015	75RB#0	VH	NT	6.02	0.001699	±2.5	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	VN	NT	2.23	0.000645	±2.5	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	VL	NT	6.42	0.001855	±2.5	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	VH	NT	4.38	0.001266	±2.5	PASS
42(3450-3550)	20MHz	16QAM	42190	100RB#0	VN	NT	-3.71	-0.001072	±2.5	PASS
42(3450-3550)	20MHz	16QAM	42190	100RB#0	VL	NT	5.84	0.001688	±2.5	PASS

42(3450-3550)	20MHz	16QAM	42190	100RB#0	VH	NT	4.99	0.001442	±2.5	PASS
42(3450-3550)	20MHz	QPSK	42590	100RB#0	VN	NT	-3.43	-0.000980	±2.5	PASS
42(3450-3550)	20MHz	QPSK	42590	100RB#0	VL	NT	3.63	0.001037	±2.5	PASS
42(3450-3550)	20MHz	QPSK	42590	100RB#0	VH	NT	4.68	0.001337	±2.5	PASS
42(3450-3550)	20MHz	16QAM	42590	100RB#0	VN	NT	4.18	0.001194	±2.5	PASS
42(3450-3550)	20MHz	16QAM	42590	100RB#0	VL	NT	-4.05	-0.001157	±2.5	PASS
42(3450-3550)	20MHz	16QAM	42590	100RB#0	VH	NT	2.99	0.000854	±2.5	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	VN	NT	-6.18	-0.001746	±2.5	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	VL	NT	4.25	0.001201	±2.5	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	VH	NT	2.36	0.000667	±2.5	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	VN	NT	-6.32	-0.001785	±2.5	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	VL	NT	-6.91	-0.001952	±2.5	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	VH	NT	7.05	0.001992	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
42(3450-3550)	5MHz	QPSK	42115	25RB#0	NV	-30	3.85	0.001115	±2.5	PASS
42(3450-3550)	5MHz	QPSK	42115	25RB#0	NV	-20	-4.16	-0.001205	±2.5	PASS
42(3450-3550)	5MHz	QPSK	42115	25RB#0	NV	-10	4.23	0.001225	±2.5	PASS
42(3450-3550)	5MHz	QPSK	42115	25RB#0	NV	0	-4.52	-0.001309	±2.5	PASS
42(3450-3550)	5MHz	QPSK	42115	25RB#0	NV	10	-5.87	-0.001700	±2.5	PASS
42(3450-3550)	5MHz	QPSK	42115	25RB#0	NV	20	3.48	0.001008	±2.5	PASS

-3550)										
42(3450 -3550)	5MHz	QPSK	42115	25RB#0	NV	30	3.66	0.001060	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42115	25RB#0	NV	40	-4.28	-0.001240	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42115	25RB#0	NV	50	-2.19	-0.000634	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42115	25RB#0	NV	-30	5.68	0.001645	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42115	25RB#0	NV	-20	-4.42	-0.001280	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42115	25RB#0	NV	-10	2.96	0.000857	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42115	25RB#0	NV	0	4.41	0.001277	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42115	25RB#0	NV	10	3.85	0.001115	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42115	25RB#0	NV	20	2.86	0.000828	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42115	25RB#0	NV	30	-2.46	-0.000713	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42115	25RB#0	NV	40	3.69	0.001069	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42115	25RB#0	NV	50	5.64	0.001634	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42590	25RB#0	NV	-30	5.22	0.001491	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42590	25RB#0	NV	-20	4.51	0.001289	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42590	25RB#0	NV	-10	4.71	0.001346	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42590	25RB#0	NV	0	3.96	0.001131	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42590	25RB#0	NV	10	-3.89	-0.001111	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42590	25RB#0	NV	20	2.50	0.000714	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42590	25RB#0	NV	30	-5.87	-0.001677	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42590	25RB#0	NV	40	4.32	0.001234	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	42590	25RB#0	NV	50	-4.91	-0.001403	±2.5	PASS

-3550)										
42(3450 -3550)	5MHz	16QAM	42590	25RB#0	NV	-30	3.68	0.001051	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42590	25RB#0	NV	-20	-5.78	-0.001651	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42590	25RB#0	NV	-10	-4.78	-0.001366	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42590	25RB#0	NV	0	2.73	0.000780	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42590	25RB#0	NV	10	-6.68	-0.001909	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42590	25RB#0	NV	20	2.90	0.000829	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42590	25RB#0	NV	30	6.61	0.001889	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42590	25RB#0	NV	40	-3.79	-0.001083	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	42590	25RB#0	NV	50	2.47	0.000706	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	43065	25RB#0	NV	-30	7.48	0.002109	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	43065	25RB#0	NV	-20	7.55	0.002128	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	43065	25RB#0	NV	-10	8.01	0.002258	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	43065	25RB#0	NV	0	7.90	0.002227	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	43065	25RB#0	NV	10	8.01	0.002258	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	43065	25RB#0	NV	20	7.10	0.002001	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	43065	25RB#0	NV	30	7.78	0.002193	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	43065	25RB#0	NV	40	5.81	0.001638	±2.5	PASS
42(3450 -3550)	5MHz	QPSK	43065	25RB#0	NV	50	5.45	0.001536	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	43065	25RB#0	NV	-30	5.31	0.001497	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	43065	25RB#0	NV	-20	6.75	0.001903	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	43065	25RB#0	NV	-10	10.00	0.002819	±2.5	PASS

-3550)										
42(3450 -3550)	5MHz	16QAM	43065	25RB#0	NV	0	5.36	0.001511	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	43065	25RB#0	NV	10	9.46	0.002667	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	43065	25RB#0	NV	20	10.87	0.003064	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	43065	25RB#0	NV	30	7.10	0.002001	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	43065	25RB#0	NV	40	9.06	0.002554	±2.5	PASS
42(3450 -3550)	5MHz	16QAM	43065	25RB#0	NV	50	6.18	0.001742	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42140	50RB#0	NV	-30	6.77	0.001959	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42140	50RB#0	NV	-20	7.45	0.002156	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42140	50RB#0	NV	-10	5.22	0.001511	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42140	50RB#0	NV	0	4.03	0.001166	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42140	50RB#0	NV	10	8.10	0.002344	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42140	50RB#0	NV	20	6.17	0.001786	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42140	50RB#0	NV	30	-3.85	-0.001114	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42140	50RB#0	NV	40	-4.51	-0.001305	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42140	50RB#0	NV	50	6.18	0.001789	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42140	50RB#0	NV	-30	4.41	0.001276	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42140	50RB#0	NV	-20	4.02	0.001164	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42140	50RB#0	NV	-10	-3.23	-0.000935	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42140	50RB#0	NV	0	-2.26	-0.000654	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42140	50RB#0	NV	10	6.72	0.001945	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42140	50RB#0	NV	20	6.08	0.001760	±2.5	PASS

-3550)										
42(3450 -3550)	10MHz	16QAM	42140	50RB#0	NV	30	7.38	0.002136	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42140	50RB#0	NV	40	6.17	0.001786	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42140	50RB#0	NV	50	-2.13	-0.000616	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	-30	5.78	0.001651	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	-20	7.74	0.002211	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	-10	6.27	0.001791	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	0	-3.63	-0.001037	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	10	3.46	0.000989	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	20	6.97	0.001991	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	30	-5.64	-0.001611	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	40	-5.31	-0.001517	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	50	5.29	0.001511	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42590	50RB#0	NV	-30	-2.32	-0.000663	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42590	50RB#0	NV	-20	-3.85	-0.001100	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42590	50RB#0	NV	-10	-4.08	-0.001166	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42590	50RB#0	NV	0	6.02	0.001720	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42590	50RB#0	NV	10	5.89	0.001683	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42590	50RB#0	NV	20	5.24	0.001497	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42590	50RB#0	NV	30	4.79	0.001369	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42590	50RB#0	NV	40	5.48	0.001566	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	42590	50RB#0	NV	50	4.88	0.001394	±2.5	PASS

-3550)										
42(3450 -3550)	10MHz	QPSK	43040	50RB#0	NV	-30	3.02	0.000852	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	43040	50RB#0	NV	-20	-5.11	-0.001441	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	43040	50RB#0	NV	-10	-4.78	-0.001348	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	43040	50RB#0	NV	0	-4.23	-0.001193	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	43040	50RB#0	NV	10	8.37	0.002361	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	43040	50RB#0	NV	20	4.55	0.001283	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	43040	50RB#0	NV	30	5.35	0.001509	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	43040	50RB#0	NV	40	5.48	0.001546	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	43040	50RB#0	NV	50	6.27	0.001769	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	43040	50RB#0	NV	-30	-3.81	-0.001075	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	43040	50RB#0	NV	-20	-6.18	-0.001743	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	43040	50RB#0	NV	-10	4.03	0.001137	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	43040	50RB#0	NV	0	5.51	0.001554	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	43040	50RB#0	NV	10	-2.95	-0.000832	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	43040	50RB#0	NV	20	5.59	0.001577	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	43040	50RB#0	NV	30	5.55	0.001566	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	43040	50RB#0	NV	40	5.99	0.001690	±2.5	PASS
42(3450 -3550)	10MHz	16QAM	43040	50RB#0	NV	50	5.62	0.001585	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42165	75RB#0	NV	-30	4.12	0.001192	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42165	75RB#0	NV	-20	7.81	0.002259	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42165	75RB#0	NV	-10	6.24	0.001805	±2.5	PASS

-3550)										
42(3450 -3550)	15MHz	QPSK	42165	75RB#0	NV	0	7.54	0.002181	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42165	75RB#0	NV	10	3.68	0.001064	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42165	75RB#0	NV	20	5.56	0.001608	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42165	75RB#0	NV	30	5.38	0.001556	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42165	75RB#0	NV	40	3.89	0.001125	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42165	75RB#0	NV	50	2.30	0.000665	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42165	75RB#0	NV	-30	5.14	0.001487	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42165	75RB#0	NV	-20	-3.78	-0.001093	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42165	75RB#0	NV	-10	5.46	0.001579	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42165	75RB#0	NV	0	5.42	0.001568	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42165	75RB#0	NV	10	4.06	0.001174	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42165	75RB#0	NV	20	-3.78	-0.001093	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42165	75RB#0	NV	30	5.34	0.001544	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42165	75RB#0	NV	40	-5.56	-0.001608	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42165	75RB#0	NV	50	6.57	0.001900	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42590	75RB#0	NV	-30	6.84	0.001954	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42590	75RB#0	NV	-20	7.97	0.002277	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42590	75RB#0	NV	-10	3.36	0.000960	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42590	75RB#0	NV	0	5.28	0.001509	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42590	75RB#0	NV	10	6.78	0.001937	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42590	75RB#0	NV	20	4.35	0.001243	±2.5	PASS

-3550)										
42(3450 -3550)	15MHz	QPSK	42590	75RB#0	NV	30	5.15	0.001471	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42590	75RB#0	NV	40	7.20	0.002057	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	42590	75RB#0	NV	50	-3.73	-0.001066	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42590	75RB#0	NV	-30	-2.52	-0.000720	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42590	75RB#0	NV	-20	4.51	0.001289	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42590	75RB#0	NV	-10	5.39	0.001540	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42590	75RB#0	NV	0	4.61	0.001317	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42590	75RB#0	NV	10	2.86	0.000817	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42590	75RB#0	NV	20	4.85	0.001386	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42590	75RB#0	NV	30	6.49	0.001854	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42590	75RB#0	NV	40	-3.53	-0.001009	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	42590	75RB#0	NV	50	3.20	0.000914	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	43015	75RB#0	NV	-30	6.42	0.001812	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	43015	75RB#0	NV	-20	5.06	0.001428	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	43015	75RB#0	NV	-10	4.92	0.001389	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	43015	75RB#0	NV	0	-4.88	-0.001378	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	43015	75RB#0	NV	10	5.76	0.001626	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	43015	75RB#0	NV	20	5.55	0.001567	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	43015	75RB#0	NV	30	5.18	0.001462	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	43015	75RB#0	NV	40	-6.05	-0.001708	±2.5	PASS
42(3450 -3550)	15MHz	QPSK	43015	75RB#0	NV	50	-4.48	-0.001265	±2.5	PASS

-3550)										
42(3450 -3550)	15MHz	16QAM	43015	75RB#0	NV	-30	3.08	0.000869	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	43015	75RB#0	NV	-20	-7.37	-0.002080	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	43015	75RB#0	NV	-10	3.89	0.001098	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	43015	75RB#0	NV	0	-3.12	-0.000881	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	43015	75RB#0	NV	10	-6.01	-0.001697	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	43015	75RB#0	NV	20	-5.92	-0.001671	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	43015	75RB#0	NV	30	3.75	0.001059	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	43015	75RB#0	NV	40	5.06	0.001428	±2.5	PASS
42(3450 -3550)	15MHz	16QAM	43015	75RB#0	NV	50	-3.23	-0.000912	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42190	100RB#0	NV	-30	-6.35	-0.001835	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42190	100RB#0	NV	-20	-3.72	-0.001075	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42190	100RB#0	NV	-10	5.04	0.001457	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42190	100RB#0	NV	0	3.85	0.001113	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42190	100RB#0	NV	10	-3.65	-0.001055	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42190	100RB#0	NV	20	5.81	0.001679	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42190	100RB#0	NV	30	-6.17	-0.001783	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42190	100RB#0	NV	40	4.89	0.001413	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42190	100RB#0	NV	50	-7.38	-0.002133	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42190	100RB#0	NV	-30	-6.64	-0.001919	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42190	100RB#0	NV	-20	4.28	0.001237	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42190	100RB#0	NV	-10	-7.38	-0.002133	±2.5	PASS

-3550)										
42(3450 -3550)	20MHz	16QAM	42190	100RB#0	NV	0	-7.22	-0.002087	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42190	100RB#0	NV	10	6.19	0.001789	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42190	100RB#0	NV	20	-5.42	-0.001566	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42190	100RB#0	NV	30	3.96	0.001145	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42190	100RB#0	NV	40	4.91	0.001419	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42190	100RB#0	NV	50	-3.98	-0.001150	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42590	100RB#0	NV	-30	-8.68	-0.002480	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42590	100RB#0	NV	-20	3.71	0.001060	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42590	100RB#0	NV	-10	3.92	0.001120	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42590	100RB#0	NV	0	5.79	0.001654	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42590	100RB#0	NV	10	6.59	0.001883	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42590	100RB#0	NV	20	3.08	0.000880	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42590	100RB#0	NV	30	-3.08	-0.000880	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42590	100RB#0	NV	40	4.91	0.001403	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42590	100RB#0	NV	50	5.59	0.001597	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42590	100RB#0	NV	-30	5.75	0.001643	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42590	100RB#0	NV	-20	-7.15	-0.002043	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42590	100RB#0	NV	-10	7.04	0.002011	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42590	100RB#0	NV	0	5.21	0.001489	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42590	100RB#0	NV	10	3.72	0.001063	±2.5	PASS
42(3450	20MHz	16QAM	42590	100RB#0	NV	20	5.92	0.001691	±2.5	PASS

-3550)										
42(3450 -3550)	20MHz	16QAM	42590	100RB#0	NV	30	7.47	0.002134	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42590	100RB#0	NV	40	4.59	0.001311	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42590	100RB#0	NV	50	5.48	0.001566	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42990	100RB#0	NV	-30	-5.46	-0.001542	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42990	100RB#0	NV	-20	4.15	0.001172	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42990	100RB#0	NV	-10	-3.38	-0.000955	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42990	100RB#0	NV	0	4.01	0.001133	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42990	100RB#0	NV	10	-6.39	-0.001805	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42990	100RB#0	NV	20	4.08	0.001153	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42990	100RB#0	NV	30	5.04	0.001424	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42990	100RB#0	NV	40	4.01	0.001133	±2.5	PASS
42(3450 -3550)	20MHz	QPSK	42990	100RB#0	NV	50	9.28	0.002621	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42990	100RB#0	NV	-30	-5.12	-0.001446	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42990	100RB#0	NV	-20	-3.62	-0.001023	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42990	100RB#0	NV	-10	7.02	0.001983	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42990	100RB#0	NV	0	-5.92	-0.001672	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42990	100RB#0	NV	10	5.24	0.001480	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42990	100RB#0	NV	20	5.54	0.001565	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42990	100RB#0	NV	30	-6.09	-0.001720	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42990	100RB#0	NV	40	5.06	0.001429	±2.5	PASS
42(3450 -3550)	20MHz	16QAM	42990	100RB#0	NV	50	-5.28	-0.001492	±2.5	PASS

-3550)										
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Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
42(3450-3550)	5MHz	QPSK	42115	25RB#0	PASS
42(3450-3550)	5MHz	16QAM	42115	25RB#0	PASS
42(3450-3550)	5MHz	QPSK	42590	25RB#0	PASS
42(3450-3550)	5MHz	16QAM	42590	25RB#0	PASS
42(3450-3550)	5MHz	QPSK	43065	25RB#0	PASS
42(3450-3550)	5MHz	16QAM	43065	25RB#0	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB#0	PASS
42(3450-3550)	10MHz	16QAM	42140	50RB#0	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	PASS
42(3450-3550)	10MHz	16QAM	42590	50RB#0	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB#0	PASS
42(3450-3550)	10MHz	16QAM	43040	50RB#0	PASS
42(3450-3550)	15MHz	QPSK	42165	75RB#0	PASS
42(3450-3550)	15MHz	16QAM	42165	75RB#0	PASS
42(3450-3550)	15MHz	QPSK	42590	75RB#0	PASS
42(3450-3550)	15MHz	16QAM	42590	75RB#0	PASS
42(3450-3550)	15MHz	QPSK	43015	75RB#0	PASS
42(3450-3550)	15MHz	16QAM	43015	75RB#0	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	PASS
42(3450-3550)	20MHz	16QAM	42190	100RB#0	PASS
42(3450-3550)	20MHz	QPSK	42590	100RB#0	PASS
42(3450-3550)	20MHz	16QAM	42590	100RB#0	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	PASS

Test Graphs

