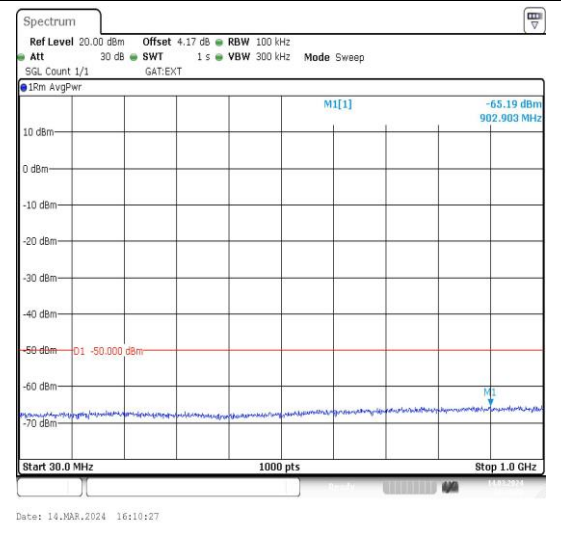
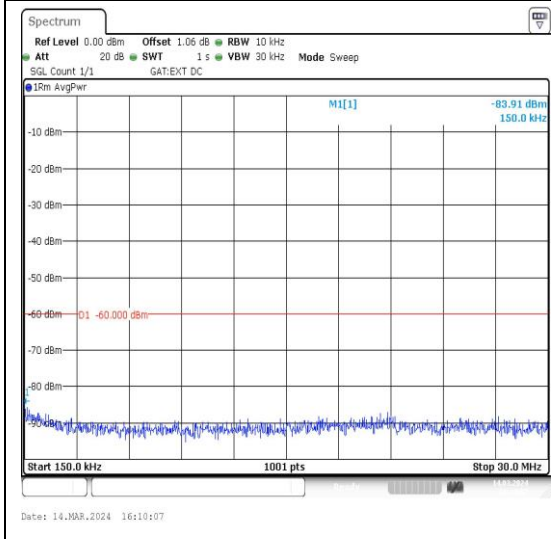


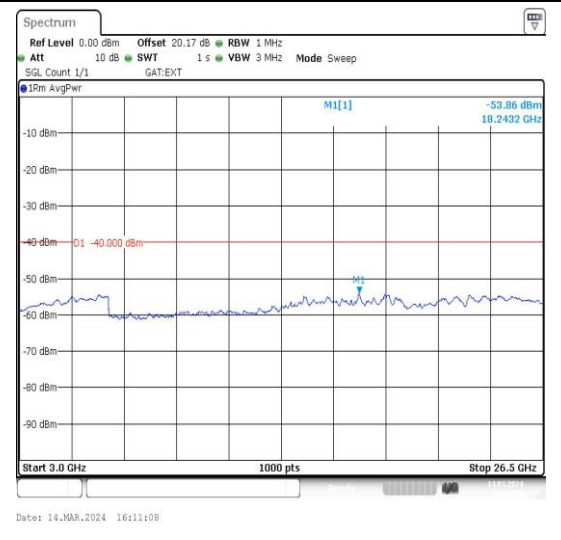
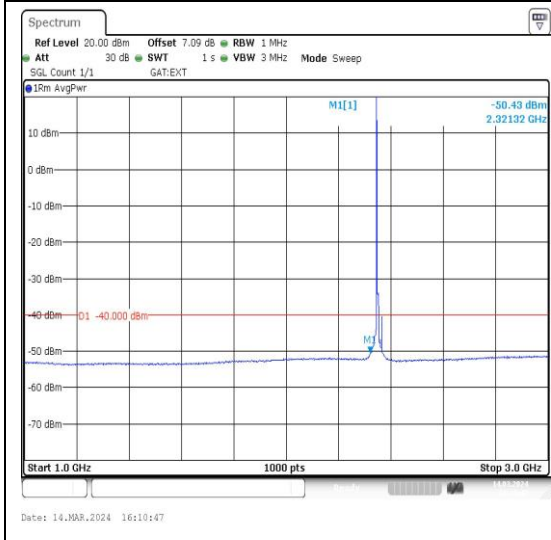
Band40\_10MHz\_QPSK\_39150\_1RB#0\_3000~26500\_500\_3000~26500

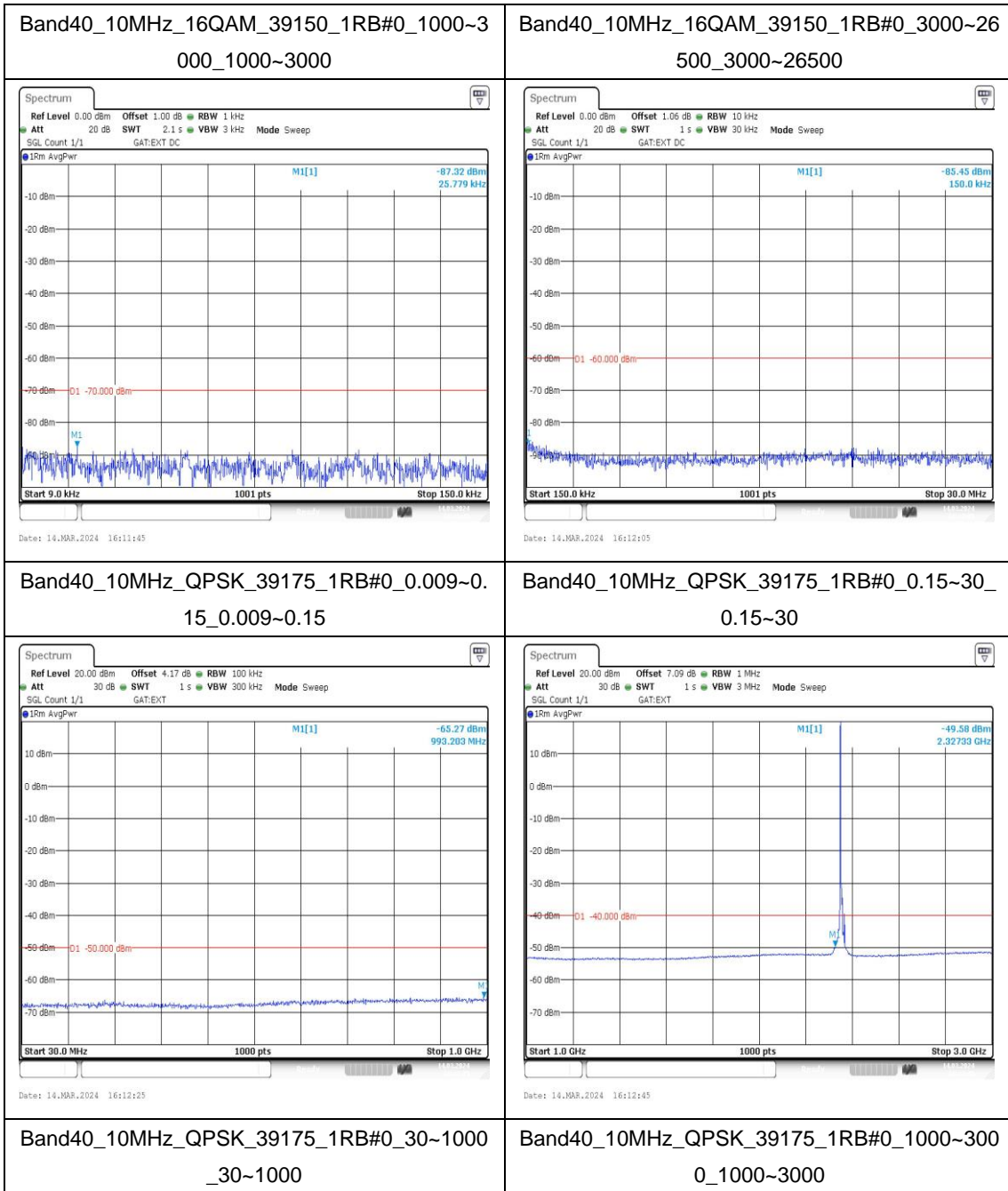
Band40\_10MHz\_16QAM\_39150\_1RB#0\_0.009~0.15\_15\_0.009~0.15

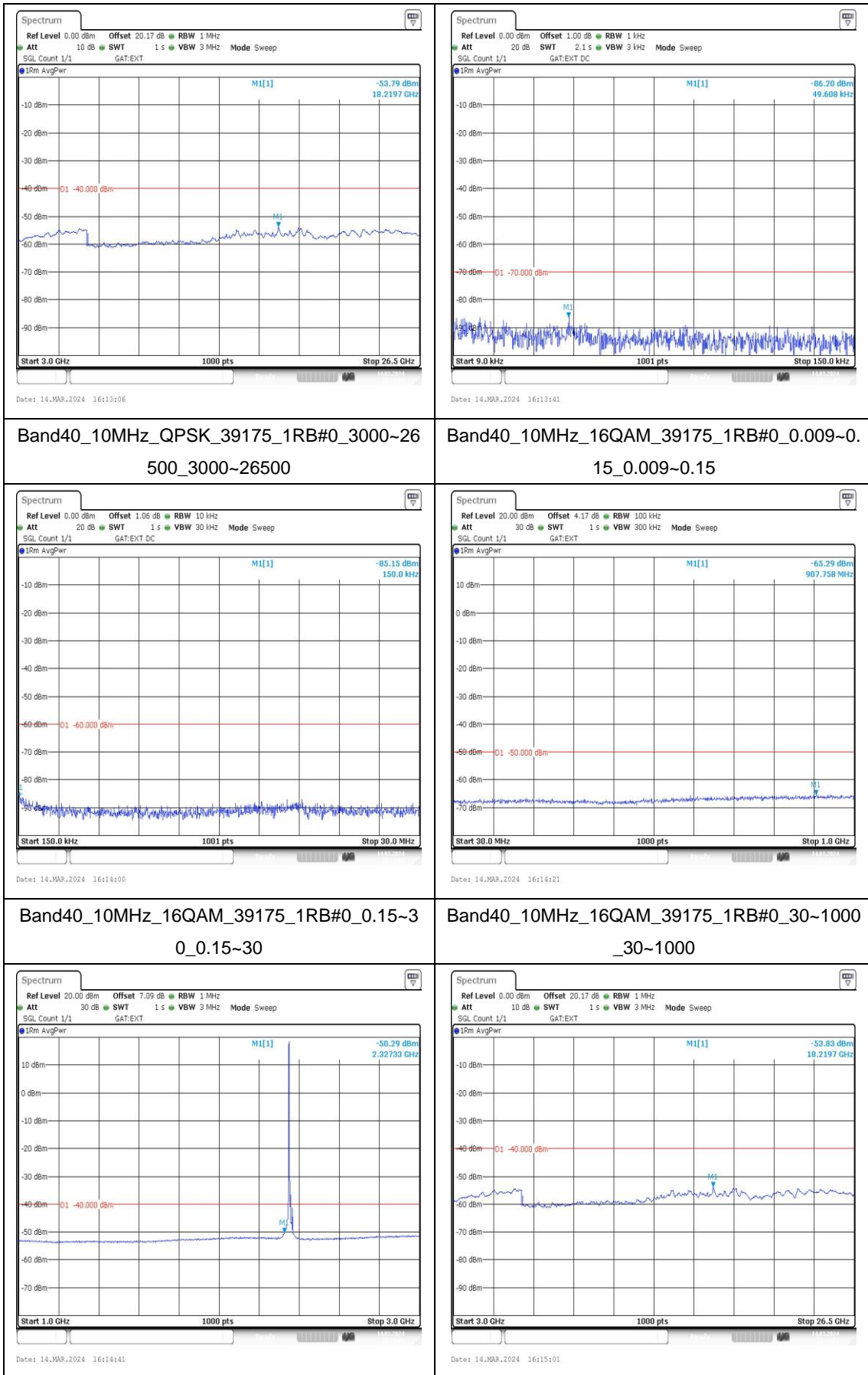


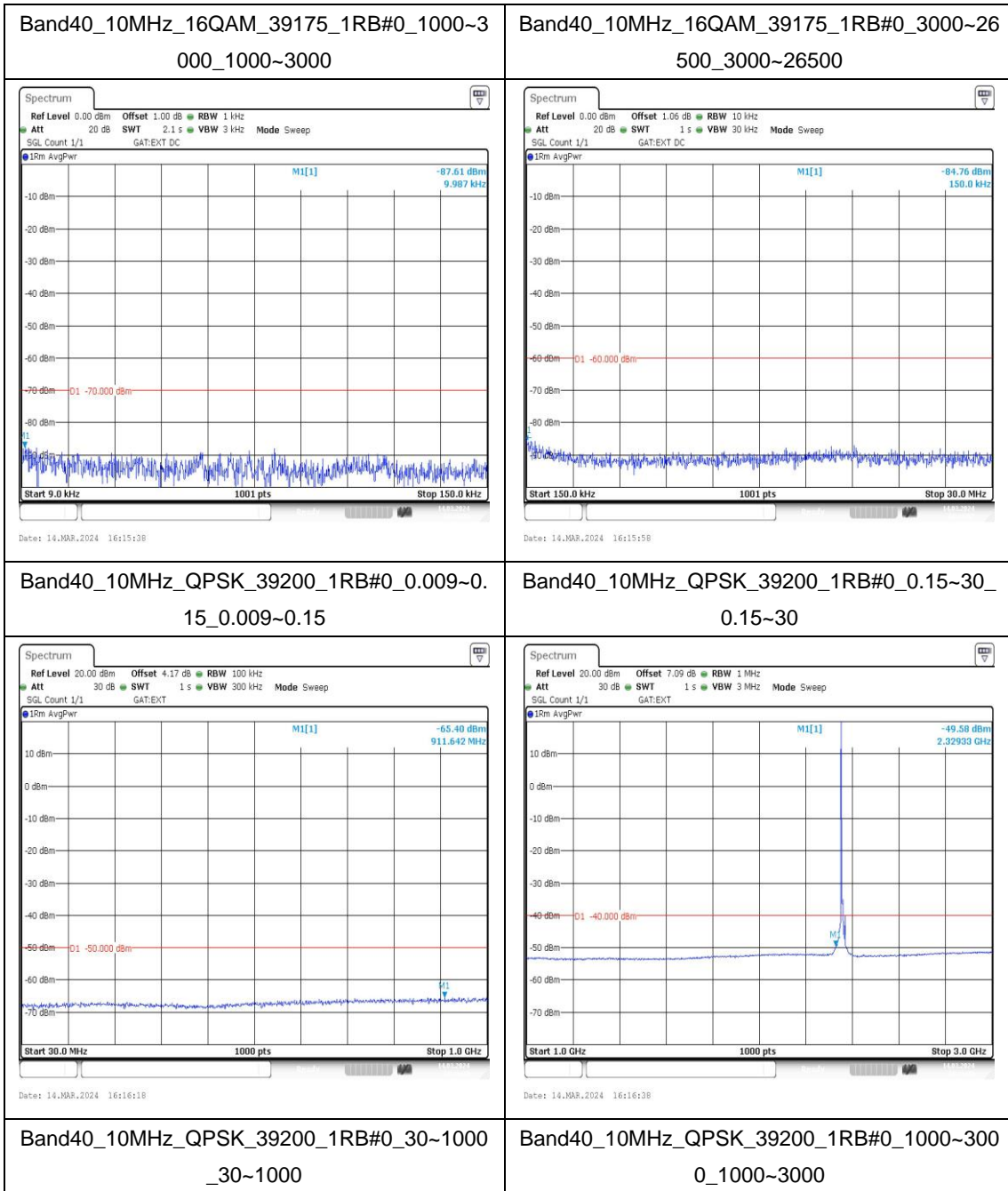
Band40\_10MHz\_16QAM\_39150\_1RB#0\_0.15~30\_0\_0.15~30

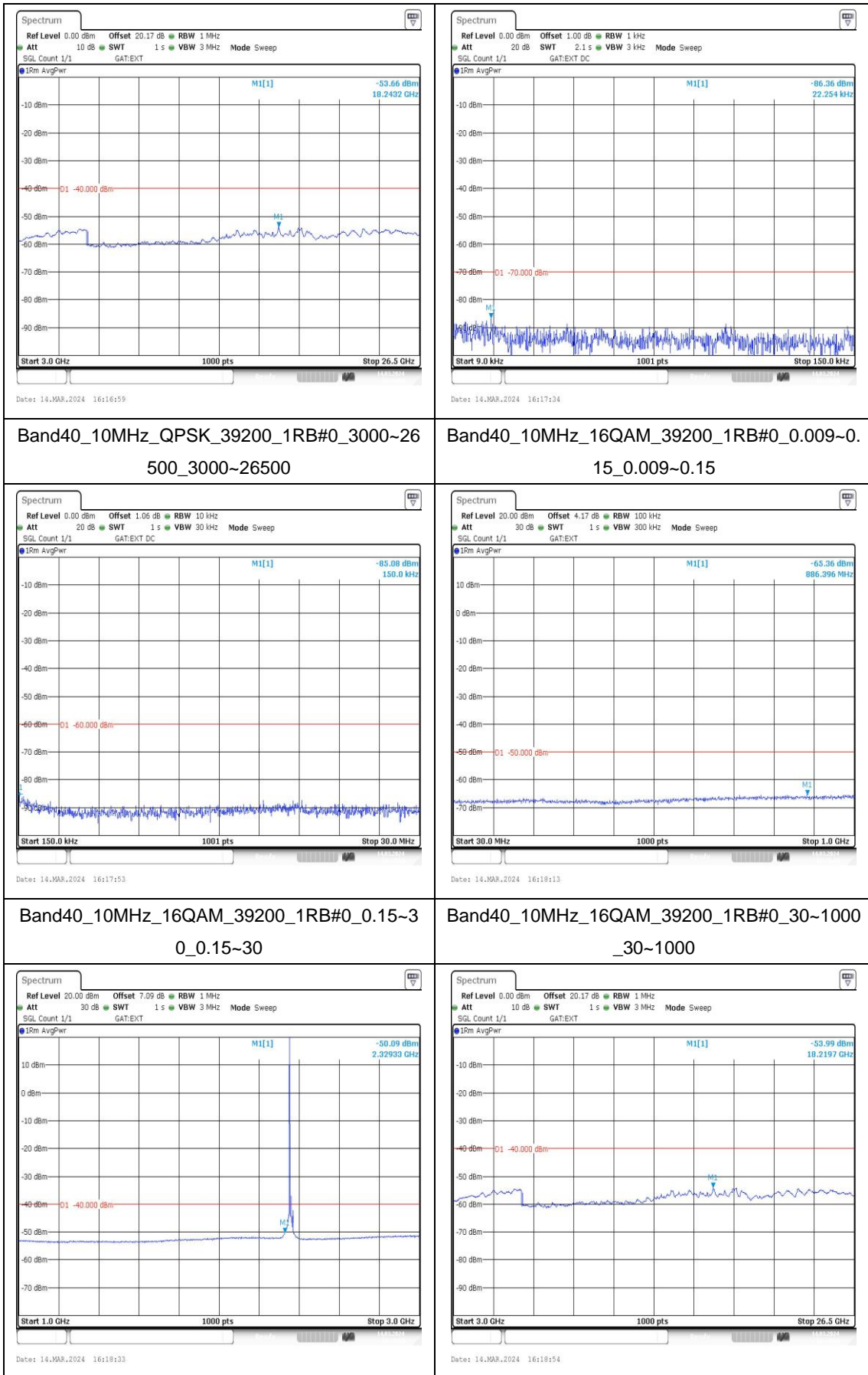
Band40\_10MHz\_16QAM\_39150\_1RB#0\_30~1000\_30~1000

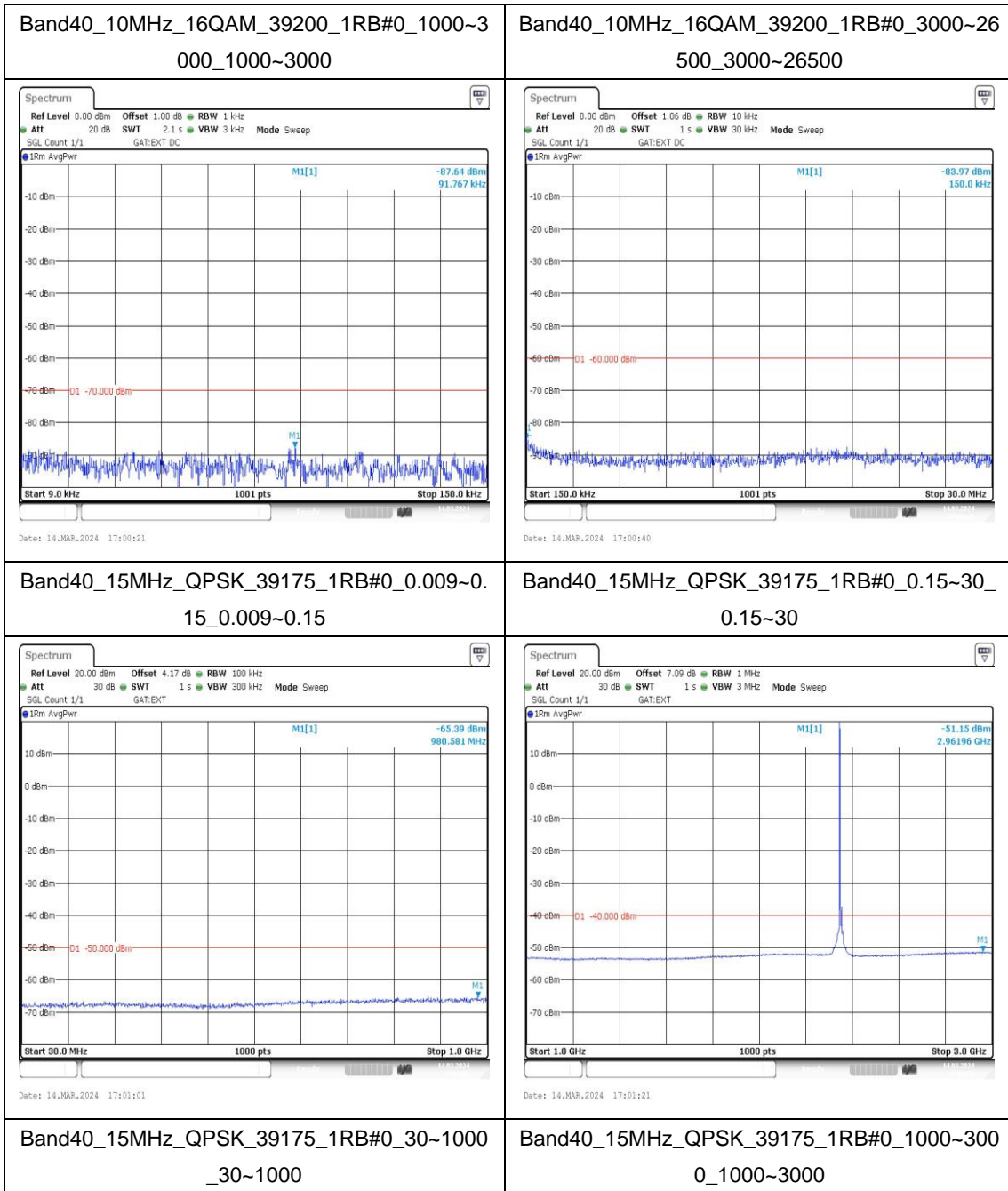


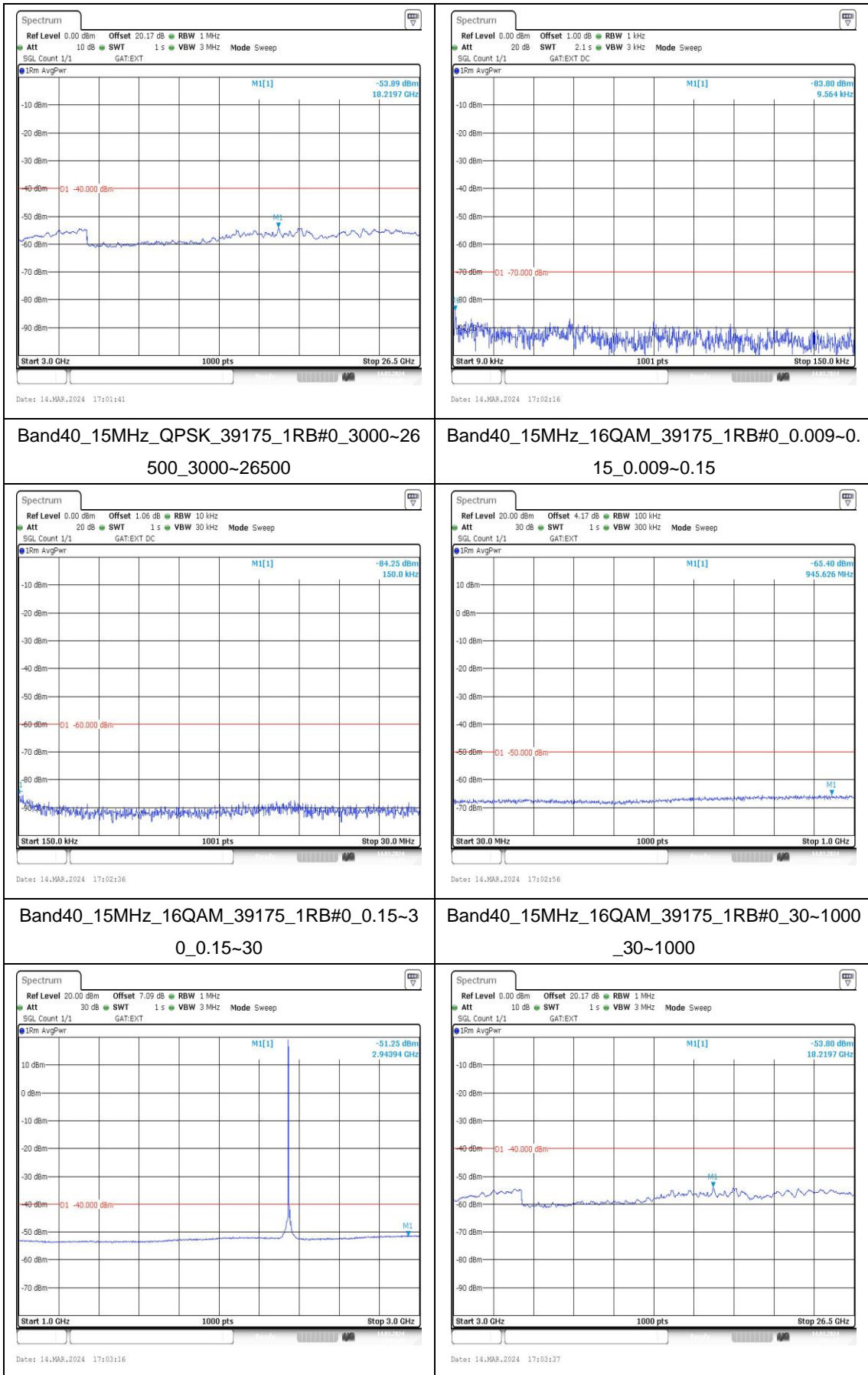












Band40_15MHz_16QAM_39175_1RB#0_1000~3000_1000~3000	Band40_15MHz_16QAM_39175_1RB#0_3000~26500_500_3000~26500
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## Appendix F: Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
40(2345-2360)	5MHz	QPSK	39125	25RB#0	VN	NT	-5.61	-0.002390	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39125	25RB#0	VL	NT	4.63	0.001972	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39125	25RB#0	VH	NT	6.95	0.002961	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39125	25RB#0	VN	NT	-8.51	-0.003625	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39125	25RB#0	VL	NT	-8.51	-0.003625	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39125	25RB#0	VH	NT	-8.03	-0.003421	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	VN	NT	-11.49	-0.004884	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	VL	NT	-10.51	-0.004468	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	VH	NT	-8.68	-0.003690	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	VN	NT	-11.12	-0.004727	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	VL	NT	-10.53	-0.004476	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	VH	NT	8.88	0.003775	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	VN	NT	-9.36	-0.003970	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	VL	NT	-6.95	-0.002948	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	VH	NT	-6.39	-0.002710	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	VN	NT	-10.07	-0.004271	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	VL	NT	-13.19	-0.005595	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	VH	NT	-12.82	-0.005438	±2.5	PASS

-2360)										
40(2345 -2360)	10MHz	QPSK	39150	50RB#0	VN	NT	-11.57	-0.004923	±2.5	PASS
40(2345 -2360)	10MHz	QPSK	39150	50RB#0	VL	NT	-14.22	-0.006051	±2.5	PASS
40(2345 -2360)	10MHz	QPSK	39150	50RB#0	VH	NT	-8.96	-0.003813	±2.5	PASS
40(2345 -2360)	10MHz	16QAM	39150	50RB#0	VN	NT	-2.85	-0.001213	±2.5	PASS
40(2345 -2360)	10MHz	16QAM	39150	50RB#0	VL	NT	3.35	0.001426	±2.5	PASS
40(2345 -2360)	10MHz	16QAM	39150	50RB#0	VH	NT	5.15	0.002191	±2.5	PASS
40(2345 -2360)	10MHz	QPSK	39175	50RB#0	VN	NT	-4.05	-0.001722	±2.5	PASS
40(2345 -2360)	10MHz	QPSK	39175	50RB#0	VL	NT	4.61	0.001960	±2.5	PASS
40(2345 -2360)	10MHz	QPSK	39175	50RB#0	VH	NT	9.14	0.003885	±2.5	PASS
40(2345 -2360)	10MHz	16QAM	39175	50RB#0	VN	NT	8.87	0.003770	±2.5	PASS
40(2345 -2360)	10MHz	16QAM	39175	50RB#0	VL	NT	10.34	0.004395	±2.5	PASS
40(2345 -2360)	10MHz	16QAM	39175	50RB#0	VH	NT	-12.46	-0.005296	±2.5	PASS
40(2345 -2360)	10MHz	QPSK	39200	50RB#0	VN	NT	-3.72	-0.001580	±2.5	PASS
40(2345 -2360)	10MHz	QPSK	39200	50RB#0	VL	NT	6.02	0.002556	±2.5	PASS
40(2345 -2360)	10MHz	QPSK	39200	50RB#0	VH	NT	-13.58	-0.005766	±2.5	PASS
40(2345 -2360)	10MHz	16QAM	39200	50RB#0	VN	NT	-13.07	-0.005550	±2.5	PASS
40(2345 -2360)	10MHz	16QAM	39200	50RB#0	VL	NT	7.77	0.003299	±2.5	PASS
40(2345 -2360)	10MHz	16QAM	39200	50RB#0	VH	NT	-15.69	-0.006662	±2.5	PASS
40(2345 -2360)	15MHz	QPSK	39175	75RB#0	VN	NT	-10.84	-0.004608	±2.5	PASS
40(2345 -2360)	15MHz	QPSK	39175	75RB#0	VL	NT	-12.53	-0.005326	±2.5	PASS
40(2345	15MHz	QPSK	39175	75RB#0	VH	NT	-12.99	-0.005522	±2.5	PASS

-2360)										
40(2345 -2360)	15MHz	16QAM	39175	75RB#0	VN	NT	-11.52	-0.004897	±2.5	PASS
40(2345 -2360)	15MHz	16QAM	39175	75RB#0	VL	NT	-11.86	-0.005041	±2.5	PASS
40(2345 -2360)	15MHz	16QAM	39175	75RB#0	VH	NT	-9.41	-0.004000	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
40(2345 -2360)	5MHz	QPSK	39125	25RB#0	NV	-30	7.38	0.003144	±2.5	PASS
40(2345 -2360)	5MHz	QPSK	39125	25RB#0	NV	-20	7.22	0.003076	±2.5	PASS
40(2345 -2360)	5MHz	QPSK	39125	25RB#0	NV	-10	7.70	0.003280	±2.5	PASS
40(2345 -2360)	5MHz	QPSK	39125	25RB#0	NV	0	6.74	0.002871	±2.5	PASS
40(2345 -2360)	5MHz	QPSK	39125	25RB#0	NV	10	4.84	0.002062	±2.5	PASS
40(2345 -2360)	5MHz	QPSK	39125	25RB#0	NV	20	3.19	0.001359	±2.5	PASS
40(2345 -2360)	5MHz	QPSK	39125	25RB#0	NV	30	-3.45	-0.001470	±2.5	PASS
40(2345 -2360)	5MHz	QPSK	39125	25RB#0	NV	40	-4.03	-0.001717	±2.5	PASS
40(2345 -2360)	5MHz	QPSK	39125	25RB#0	NV	50	-5.19	-0.002211	±2.5	PASS
40(2345 -2360)	5MHz	16QAM	39125	25RB#0	NV	-30	-7.91	-0.003370	±2.5	PASS
40(2345 -2360)	5MHz	16QAM	39125	25RB#0	NV	-20	-6.90	-0.002939	±2.5	PASS
40(2345 -2360)	5MHz	16QAM	39125	25RB#0	NV	-10	-5.22	-0.002224	±2.5	PASS
40(2345 -2360)	5MHz	16QAM	39125	25RB#0	NV	0	-3.82	-0.001627	±2.5	PASS
40(2345 -2360)	5MHz	16QAM	39125	25RB#0	NV	10	-2.90	-0.001235	±2.5	PASS
40(2345 -2360)	5MHz	16QAM	39125	25RB#0	NV	20	2.83	0.001206	±2.5	PASS

40(2345-2360)	5MHz	16QAM	39125	25RB#0	NV	30	5.16	0.002198	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39125	25RB#0	NV	40	-13.33	-0.005678	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39125	25RB#0	NV	50	-9.61	-0.004094	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	NV	-30	-8.73	-0.003711	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	NV	-20	-9.94	-0.004225	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	NV	-10	-11.36	-0.004829	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	NV	0	-12.35	-0.005250	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	NV	10	8.98	0.003817	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	NV	20	3.42	0.001454	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	NV	30	-2.86	-0.001216	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	NV	40	-5.36	-0.002278	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	NV	50	-10.06	-0.004276	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	NV	-30	6.72	0.002857	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	NV	-20	-13.52	-0.005747	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	NV	-10	-13.30	-0.005654	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	NV	0	8.54	0.003630	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	NV	10	-11.80	-0.005016	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	NV	20	-11.40	-0.004846	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	NV	30	-10.73	-0.004561	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	NV	40	-8.28	-0.003520	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	NV	50	-6.72	-0.002857	±2.5	PASS

40(2345-2360)	5MHz	QPSK	39225	25RB#0	NV	-30	-7.40	-0.003139	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	NV	-20	-8.68	-0.003682	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	NV	-10	-10.86	-0.004607	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	NV	0	-11.04	-0.004683	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	NV	10	-14.35	-0.006087	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	NV	20	5.62	0.002384	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	NV	30	3.05	0.001294	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	NV	40	-3.62	-0.001536	±2.5	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	NV	50	-8.23	-0.003491	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	NV	-30	-12.13	-0.005145	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	NV	-20	-12.25	-0.005196	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	NV	-10	-11.49	-0.004874	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	NV	0	-9.30	-0.003945	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	NV	10	-7.87	-0.003338	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	NV	20	-5.82	-0.002469	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	NV	30	-3.20	-0.001357	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	NV	40	-3.03	-0.001285	±2.5	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	NV	50	2.55	0.001082	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	NV	-30	-6.64	-0.002826	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	NV	-20	-7.10	-0.003021	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	NV	-10	-5.82	-0.002477	±2.5	PASS

40(2345-2360)	10MHz	QPSK	39150	50RB#0	NV	0	-3.40	-0.001447	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	NV	10	-5.46	-0.002323	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	NV	20	-5.08	-0.002162	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	NV	30	-4.38	-0.001864	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	NV	40	-4.43	-0.001885	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	NV	50	-4.35	-0.001851	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	NV	-30	7.01	0.002983	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	NV	-20	-11.74	-0.004996	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	NV	-10	-6.38	-0.002715	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	NV	0	2.47	0.001051	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	NV	10	6.08	0.002587	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	NV	20	-10.76	-0.004579	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	NV	30	-5.18	-0.002204	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	NV	40	2.79	0.001187	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	NV	50	6.65	0.002830	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	NV	-30	9.67	0.004111	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	NV	-20	-11.82	-0.005024	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	NV	-10	-10.87	-0.004621	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	NV	0	-12.40	-0.005271	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	NV	10	-10.47	-0.004451	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	NV	20	-10.53	-0.004476	±2.5	PASS

40(2345-2360)	10MHz	QPSK	39175	50RB#0	NV	30	-11.20	-0.004761	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	NV	40	8.37	0.003558	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	NV	50	-11.00	-0.004676	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	NV	-30	-9.90	-0.004208	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	NV	-20	-8.40	-0.003571	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	NV	-10	-4.85	-0.002062	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	NV	0	3.12	0.001326	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	NV	10	6.62	0.002814	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	NV	20	-11.92	-0.005067	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	NV	30	-6.51	-0.002767	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	NV	40	-2.86	-0.001216	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	NV	50	4.84	0.002057	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	NV	-30	-8.78	-0.003728	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	NV	-20	-9.46	-0.004017	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	NV	-10	-11.53	-0.004896	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	NV	0	-9.04	-0.003839	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	NV	10	-12.13	-0.005151	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	NV	20	-11.74	-0.004985	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	NV	30	-11.04	-0.004688	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	NV	40	-12.26	-0.005206	±2.5	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	NV	50	-12.65	-0.005372	±2.5	PASS

40(2345-2360)	10MHz	16QAM	39200	50RB#0	NV	-30	-11.69	-0.004964	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	NV	-20	-10.50	-0.004459	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	NV	-10	-3.99	-0.001694	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	NV	0	2.55	0.001083	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	NV	10	6.79	0.002883	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	NV	20	-11.12	-0.004722	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	NV	30	-8.94	-0.003796	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	NV	40	-2.52	-0.001070	±2.5	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	NV	50	4.62	0.001962	±2.5	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	NV	-30	6.31	0.002682	±2.5	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	NV	-20	-11.70	-0.004973	±2.5	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	NV	-10	8.97	0.003813	±2.5	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	NV	0	8.33	0.003541	±2.5	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	NV	10	-12.66	-0.005382	±2.5	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	NV	20	-11.97	-0.005088	±2.5	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	NV	30	-12.39	-0.005267	±2.5	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	NV	40	-10.90	-0.004633	±2.5	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	NV	50	-13.56	-0.005764	±2.5	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	NV	-30	-7.97	-0.003388	±2.5	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	NV	-20	-3.06	-0.001301	±2.5	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	NV	-10	3.33	0.001416	±2.5	PASS



40(2345-2360)	15MHz	16QAM	39175	75RB#0	NV	0	7.85	0.003337	±2.5	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	NV	10	-11.22	-0.004769	±2.5	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	NV	20	-5.98	-0.002542	±2.5	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	NV	30	3.66	0.001556	±2.5	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	NV	40	4.12	0.001751	±2.5	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	NV	50	5.84	0.002482	±2.5	PASS