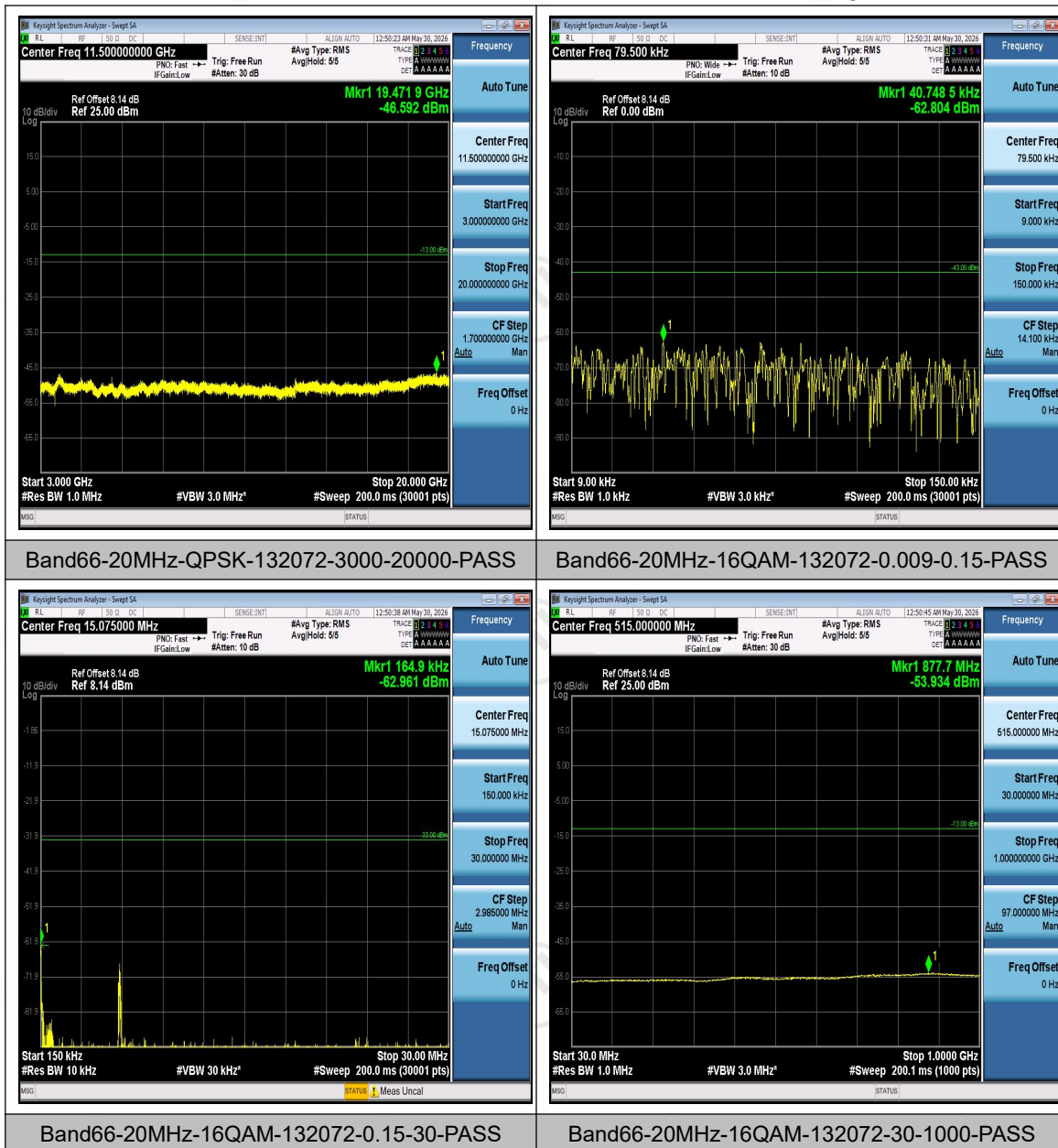
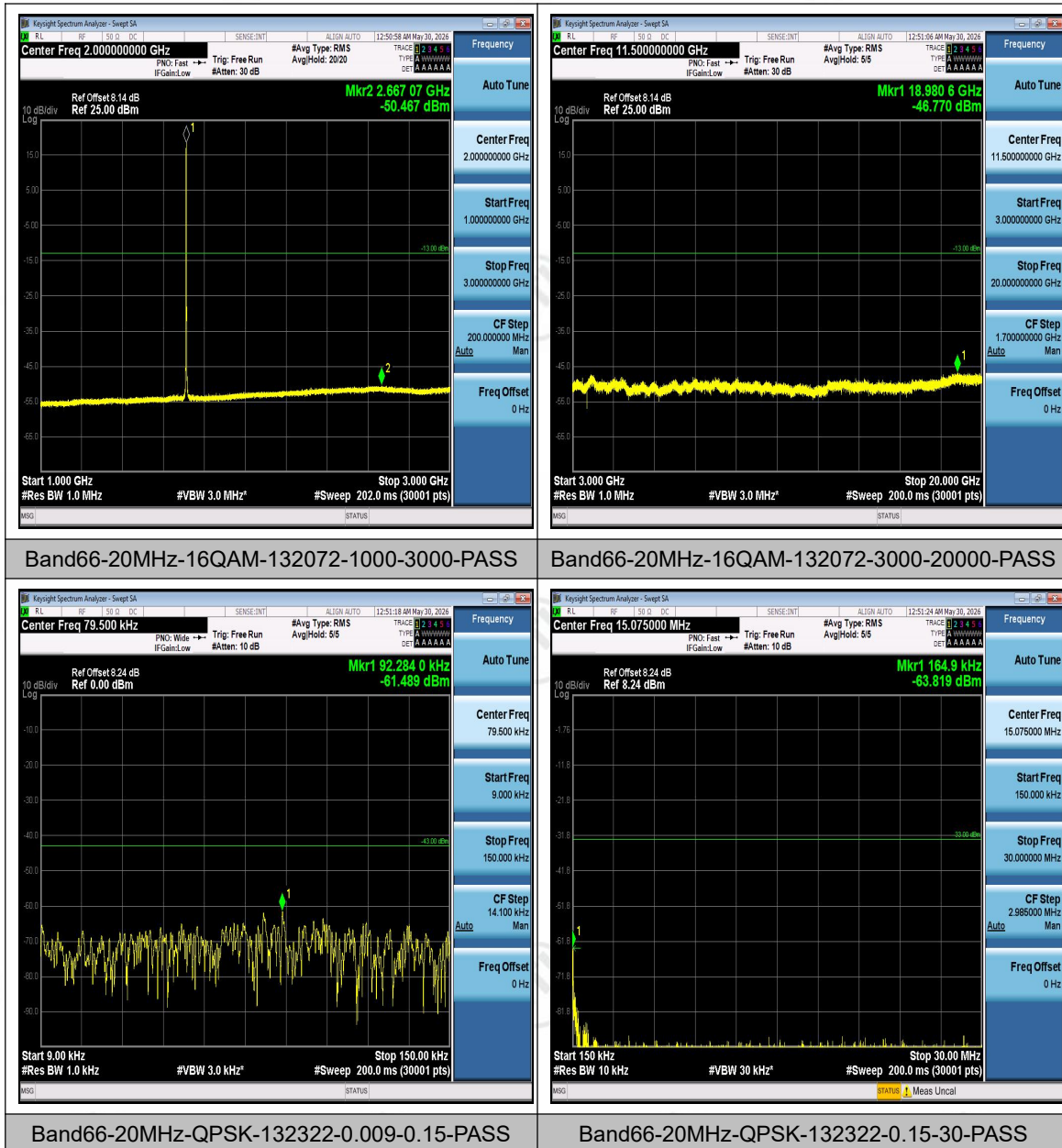
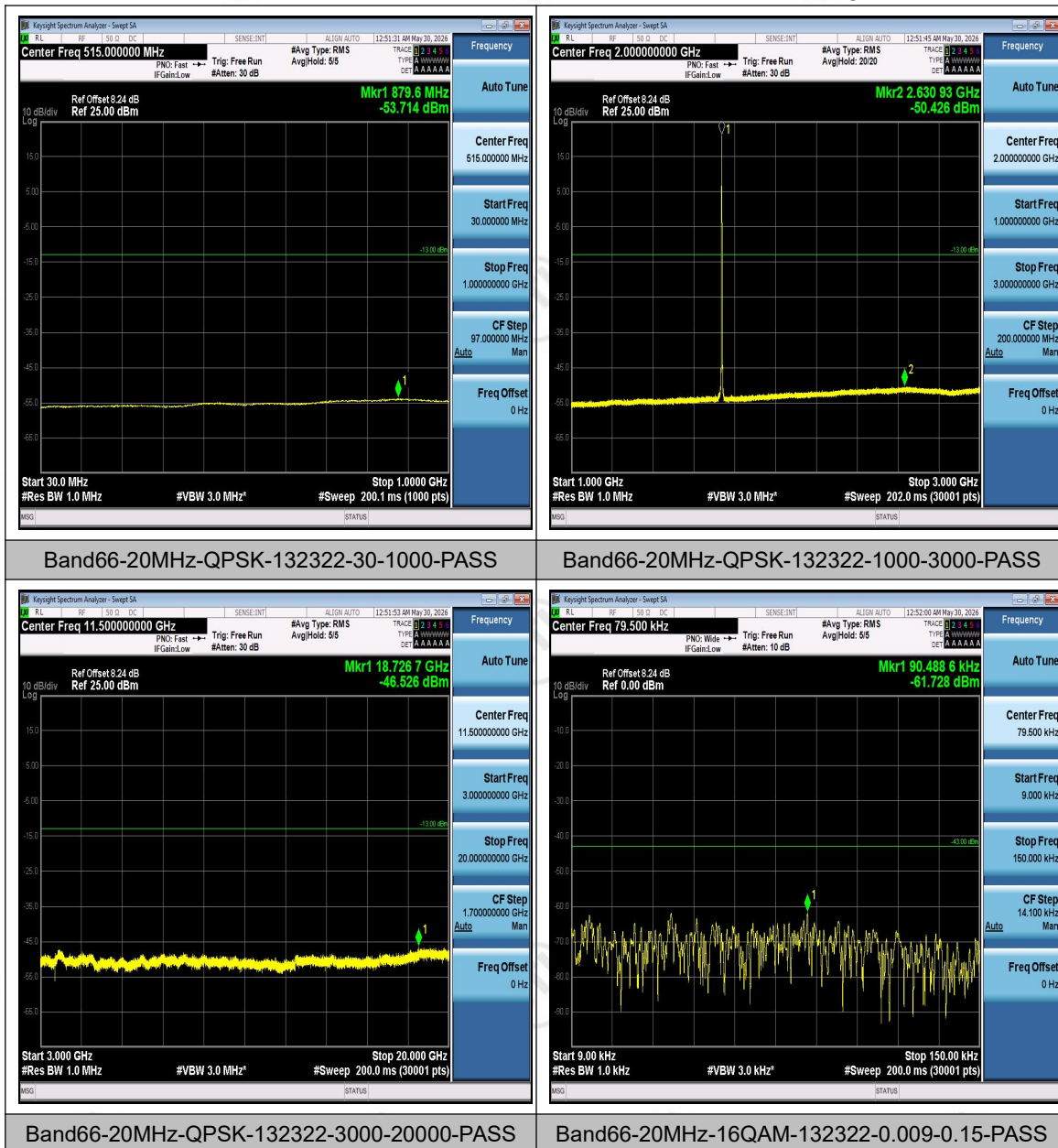
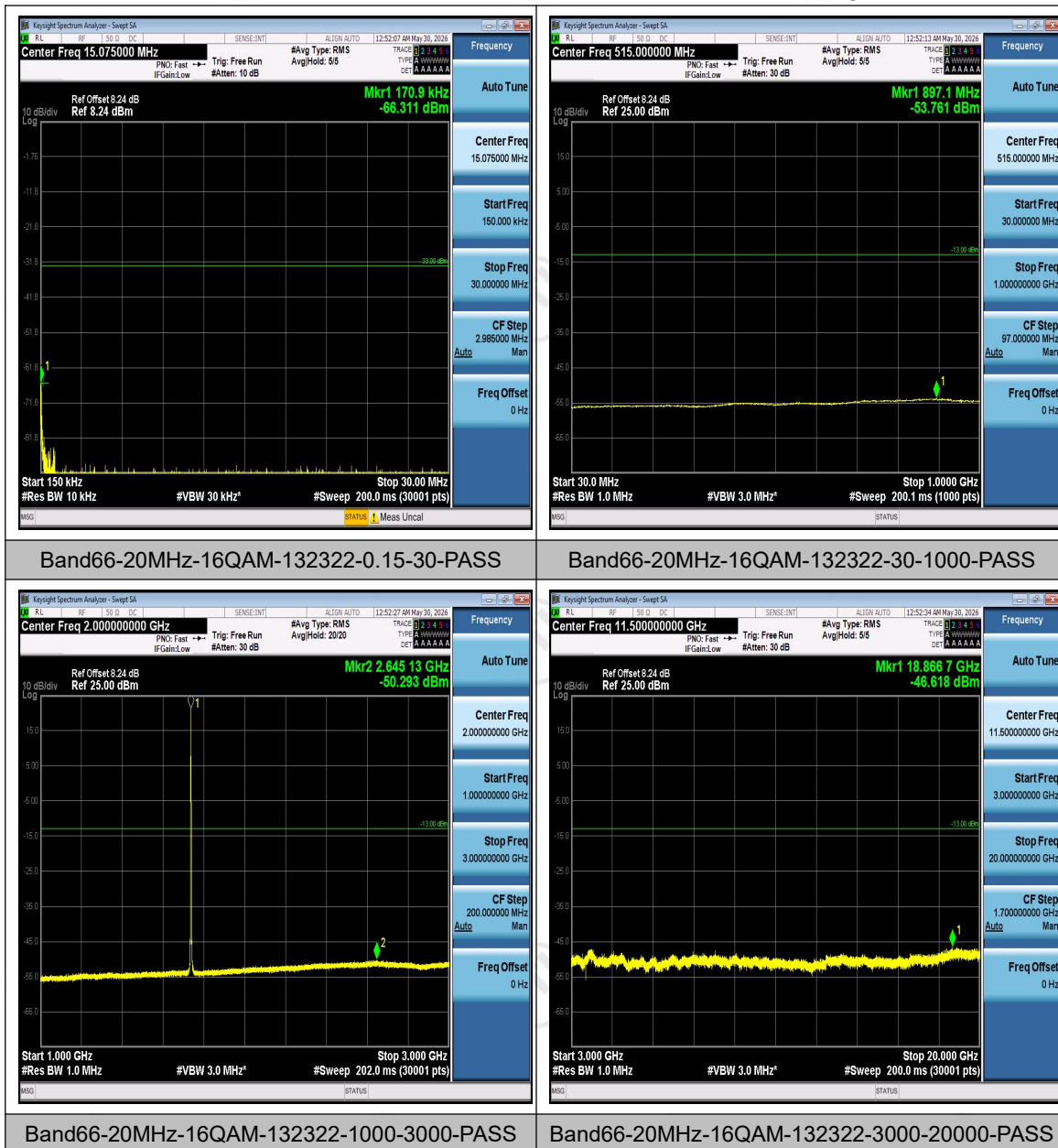
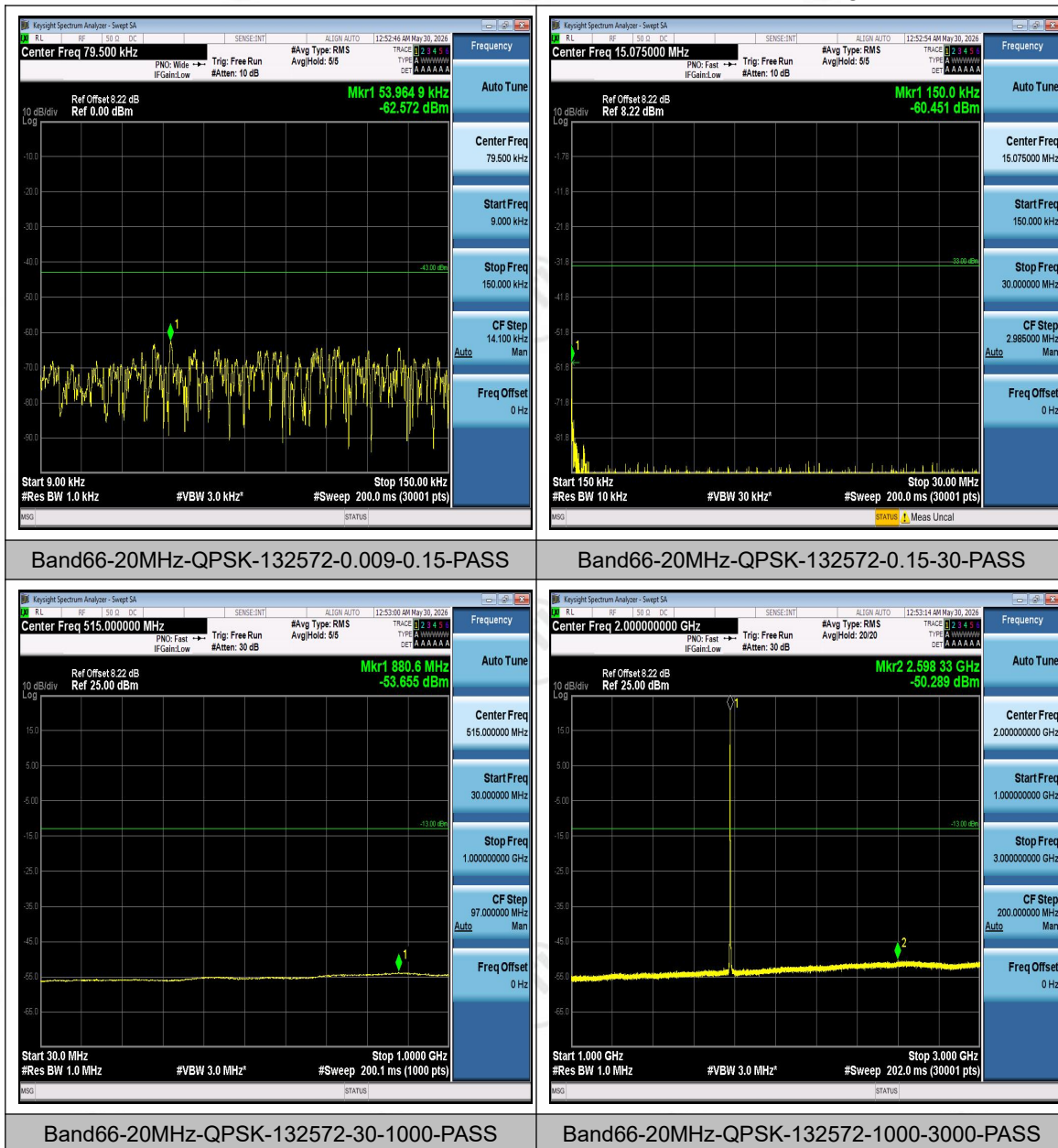


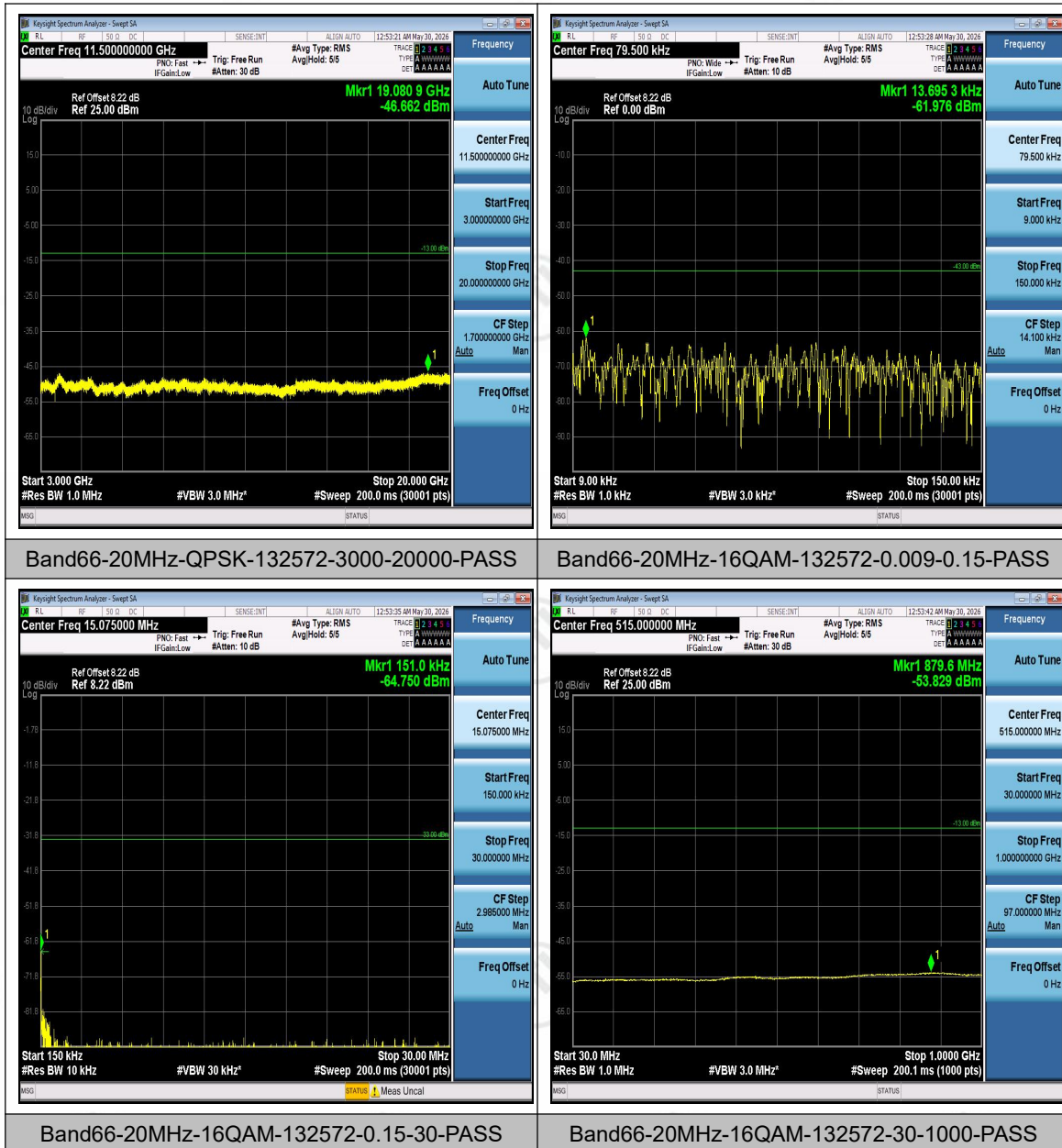


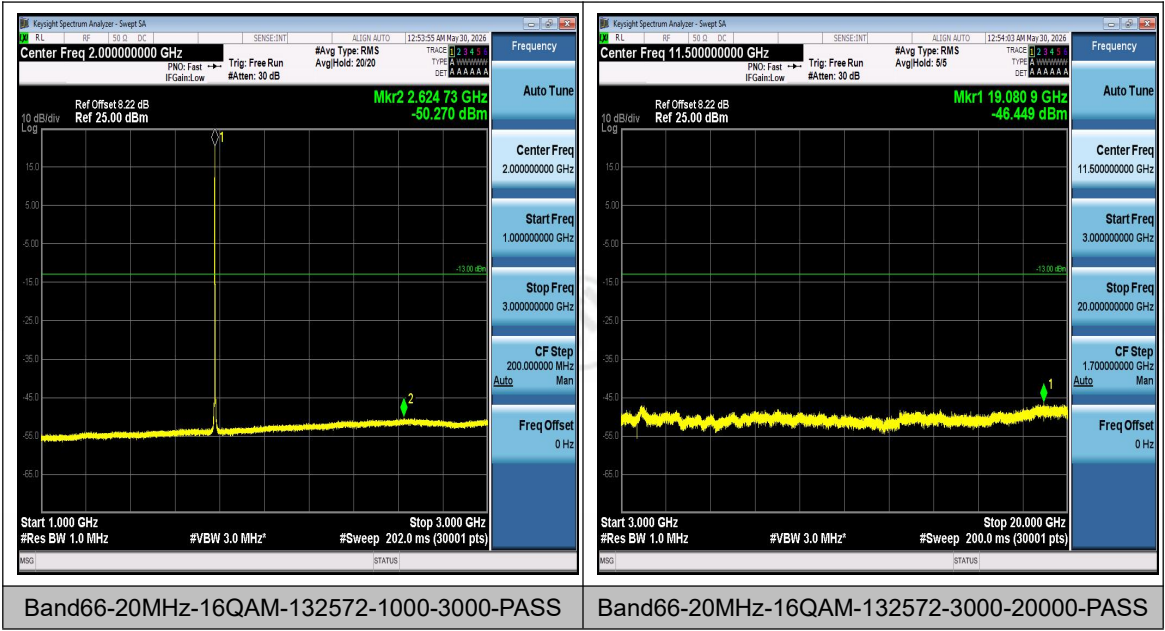












Appendix F: Frequency Stability for M1

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	1.4MHz	131979	QPSK	6	0	Low	VN	NT	10.57	0.006179	±2.5	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	VL	NT	8.58	0.005015	±2.5	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	VH	NT	13.35	0.007804	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	VN	NT	-11.24	-0.006570	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	VL	NT	-9.00	-0.005261	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	VH	NT	-9.90	-0.005787	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	VN	NT	9.76	0.005593	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	VL	NT	10.47	0.006000	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	VH	NT	12.47	0.007146	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	VN	NT	15.13	0.008670	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	VL	NT	13.07	0.007490	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	VH	NT	13.72	0.007862	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	VN	NT	-9.31	-0.005232	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	VL	NT	-6.19	-0.003479	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	VH	NT	6.77	0.003805	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	VN	NT	11.24	0.006317	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	VL	NT	10.00	0.005620	±2.5	PASS

Band66	1.4MHz	13266 5	16QAM	6	0	High	VH	NT	10.64	0.0059 80	±2.5	PASS
Band66	3MHz	13198 7	QPSK	6	0	Low	VN	NT	-11.80	-0.006 895	±2.5	PASS
Band66	3MHz	13198 7	QPSK	6	0	Low	VL	NT	6.72	0.0039 26	±2.5	PASS
Band66	3MHz	13198 7	QPSK	6	0	Low	VH	NT	5.95	0.0034 76	±2.5	PASS
Band66	3MHz	13198 7	16QAM	6	0	Low	VN	NT	5.62	0.0032 84	±2.5	PASS
Band66	3MHz	13198 7	16QAM	6	0	Low	VL	NT	6.09	0.0035 58	±2.5	PASS
Band66	3MHz	13198 7	16QAM	6	0	Low	VH	NT	-5.44	-0.003 178	±2.5	PASS
Band66	3MHz	13232 2	QPSK	6	0	Low	VN	NT	-12.04	-0.006 900	±2.5	PASS
Band66	3MHz	13232 2	QPSK	6	0	Low	VL	NT	-5.95	-0.003 410	±2.5	PASS
Band66	3MHz	13232 2	QPSK	6	0	Low	VH	NT	5.12	0.0029 34	±2.5	PASS
Band66	3MHz	13232 2	16QAM	6	0	Low	VN	NT	-6.34	-0.003 633	±2.5	PASS
Band66	3MHz	13232 2	16QAM	6	0	Low	VL	NT	-10.17	-0.005 828	±2.5	PASS
Band66	3MHz	13232 2	16QAM	6	0	Low	VH	NT	-6.75	-0.003 868	±2.5	PASS
Band66	3MHz	13265 7	QPSK	6	0	High	VN	NT	-15.44	-0.008 681	±2.5	PASS
Band66	3MHz	13265 7	QPSK	6	0	High	VL	NT	-9.93	-0.005 583	±2.5	PASS
Band66	3MHz	13265 7	QPSK	6	0	High	VH	NT	-7.82	-0.004 397	±2.5	PASS
Band66	3MHz	13265 7	16QAM	6	0	High	VN	NT	-8.41	-0.004 729	±2.5	PASS
Band66	3MHz	13265 7	16QAM	6	0	High	VL	NT	-7.21	-0.004 054	±2.5	PASS
Band66	3MHz	13265 7	16QAM	6	0	High	VH	NT	-7.22	-0.004 060	±2.5	PASS
Band66	5MHz	13199 7	QPSK	6	0	Low	VN	NT	-14.23	-0.008 309	±2.5	PASS
Band66	5MHz	13199 7	QPSK	6	0	Low	VL	NT	-11.24	-0.006 564	±2.5	PASS

Band66	5MHz	13199 7	QPSK	6	0	Low	VH	NT	-8.31	-0.004 853	±2.5	PASS
Band66	5MHz	13199 7	16QAM	6	0	Low	VN	NT	-7.64	-0.004 461	±2.5	PASS
Band66	5MHz	13199 7	16QAM	6	0	Low	VL	NT	-7.42	-0.004 333	±2.5	PASS
Band66	5MHz	13199 7	16QAM	6	0	Low	VH	NT	-8.53	-0.004 981	±2.5	PASS
Band66	5MHz	13232 2	QPSK	6	0	Low	VN	NT	-15.79	-0.009 049	±2.5	PASS
Band66	5MHz	13232 2	QPSK	6	0	Low	VL	NT	-9.50	-0.005 444	±2.5	PASS
Band66	5MHz	13232 2	QPSK	6	0	Low	VH	NT	-9.13	-0.005 232	±2.5	PASS
Band66	5MHz	13232 2	16QAM	6	0	Low	VN	NT	-9.51	-0.005 450	±2.5	PASS
Band66	5MHz	13232 2	16QAM	6	0	Low	VL	NT	-7.60	-0.004 355	±2.5	PASS
Band66	5MHz	13232 2	16QAM	6	0	Low	VH	NT	-7.52	-0.004 309	±2.5	PASS
Band66	5MHz	13264 7	QPSK	6	0	High	VN	NT	-12.20	-0.006 864	±2.5	PASS
Band66	5MHz	13264 7	QPSK	6	0	High	VL	NT	-6.65	-0.003 741	±2.5	PASS
Band66	5MHz	13264 7	QPSK	6	0	High	VH	NT	-4.86	-0.002 734	±2.5	PASS
Band66	5MHz	13264 7	16QAM	6	0	High	VN	NT	-5.72	-0.003 218	±2.5	PASS
Band66	5MHz	13264 7	16QAM	6	0	High	VL	NT	-6.18	-0.003 477	±2.5	PASS
Band66	5MHz	13264 7	16QAM	6	0	High	VH	NT	-7.47	-0.004 203	±2.5	PASS
Band66	10MHz	13202 2	QPSK	6	0	Low	VN	NT	-6.87	-0.004 006	±2.5	PASS
Band66	10MHz	13202 2	QPSK	6	0	Low	VL	NT	-13.52	-0.007 883	±2.5	PASS
Band66	10MHz	13202 2	QPSK	6	0	Low	VH	NT	-17.95	-0.010 466	±2.5	PASS
Band66	10MHz	13202 2	16QAM	6	0	Low	VN	NT	-14.79	-0.008 624	±2.5	PASS
Band66	10MHz	13202 2	16QAM	6	0	Low	VL	NT	-16.22	-0.009 458	±2.5	PASS

Band66	10MHz	13202 2	16QAM	6	0	Low	VH	NT	-16.39	-0.009 557	±2.5	PASS
Band66	10MHz	13232 2	QPSK	6	0	Low	VN	NT	-11.42	-0.006 544	±2.5	PASS
Band66	10MHz	13232 2	QPSK	6	0	Low	VL	NT	9.33	0.0053 47	±2.5	PASS
Band66	10MHz	13232 2	QPSK	6	0	Low	VH	NT	8.28	0.0047 45	±2.5	PASS
Band66	10MHz	13232 2	16QAM	6	0	Low	VN	NT	7.70	0.0044 13	±2.5	PASS
Band66	10MHz	13232 2	16QAM	6	0	Low	VL	NT	6.01	0.0034 44	±2.5	PASS
Band66	10MHz	13232 2	16QAM	6	0	Low	VH	NT	-8.30	-0.004 756	±2.5	PASS
Band66	10MHz	13262 2	QPSK	6	0	High	VN	NT	-14.45	-0.008 141	±2.5	PASS
Band66	10MHz	13262 2	QPSK	6	0	High	VL	NT	-8.45	-0.004 761	±2.5	PASS
Band66	10MHz	13262 2	QPSK	6	0	High	VH	NT	-7.60	-0.004 282	±2.5	PASS
Band66	10MHz	13262 2	16QAM	6	0	High	VN	NT	-8.37	-0.004 715	±2.5	PASS
Band66	10MHz	13262 2	16QAM	6	0	High	VL	NT	-7.93	-0.004 468	±2.5	PASS
Band66	10MHz	13262 2	16QAM	6	0	High	VH	NT	-8.17	-0.004 603	±2.5	PASS
Band66	15MHz	13204 7	QPSK	6	0	Low	VN	NT	-13.18	-0.007 674	±2.5	PASS
Band66	15MHz	13204 7	QPSK	6	0	Low	VL	NT	-8.43	-0.004 908	±2.5	PASS
Band66	15MHz	13204 7	QPSK	6	0	Low	VH	NT	-5.85	-0.003 406	±2.5	PASS
Band66	15MHz	13204 7	16QAM	6	0	Low	VN	NT	9.61	0.0055 95	±2.5	PASS
Band66	15MHz	13204 7	16QAM	6	0	Low	VL	NT	7.75	0.0045 12	±2.5	PASS
Band66	15MHz	13204 7	16QAM	6	0	Low	VH	NT	9.26	0.0053 92	±2.5	PASS
Band66	15MHz	13232 2	QPSK	6	0	Low	VN	NT	-13.25	-0.007 593	±2.5	PASS
Band66	15MHz	13232 2	QPSK	6	0	Low	VL	NT	-11.67	-0.006 688	±2.5	PASS

Band66	15MHz	13232 2	QPSK	6	0	Low	VH	NT	-9.31	-0.005 335	±2.5	PASS
Band66	15MHz	13232 2	16QAM	6	0	Low	VN	NT	-7.67	-0.004 395	±2.5	PASS
Band66	15MHz	13232 2	16QAM	6	0	Low	VL	NT	-8.53	-0.004 888	±2.5	PASS
Band66	15MHz	13232 2	16QAM	6	0	Low	VH	NT	-12.25	-0.007 020	±2.5	PASS
Band66	15MHz	13259 7	QPSK	6	0	High	VN	NT	-12.42	-0.007 007	±2.5	PASS
Band66	15MHz	13259 7	QPSK	6	0	High	VL	NT	-8.87	-0.005 004	±2.5	PASS
Band66	15MHz	13259 7	QPSK	6	0	High	VH	NT	-8.43	-0.004 756	±2.5	PASS
Band66	15MHz	13259 7	16QAM	6	0	High	VN	NT	-6.42	-0.003 622	±2.5	PASS
Band66	15MHz	13259 7	16QAM	6	0	High	VL	NT	-5.71	-0.003 221	±2.5	PASS
Band66	15MHz	13259 7	16QAM	6	0	High	VH	NT	-5.71	-0.003 221	±2.5	PASS
Band66	20MHz	13207 2	QPSK	6	0	Low	VN	NT	9.47	0.0055 06	±2.5	PASS
Band66	20MHz	13207 2	QPSK	6	0	Low	VL	NT	-15.18	-0.008 826	±2.5	PASS
Band66	20MHz	13207 2	QPSK	6	0	Low	VH	NT	-12.37	-0.007 192	±2.5	PASS
Band66	20MHz	13207 2	16QAM	6	0	Low	VN	NT	-6.04	-0.003 512	±2.5	PASS
Band66	20MHz	13207 2	16QAM	6	0	Low	VL	NT	-5.44	-0.003 163	±2.5	PASS
Band66	20MHz	13207 2	16QAM	6	0	Low	VH	NT	-5.58	-0.003 244	±2.5	PASS
Band66	20MHz	13232 2	QPSK	6	0	Low	VN	NT	13.59	0.0077 88	±2.5	PASS
Band66	20MHz	13232 2	QPSK	6	0	Low	VL	NT	-10.41	-0.005 966	±2.5	PASS
Band66	20MHz	13232 2	QPSK	6	0	Low	VH	NT	-9.77	-0.005 599	±2.5	PASS
Band66	20MHz	13232 2	16QAM	6	0	Low	VN	NT	-9.87	-0.005 656	±2.5	PASS
Band66	20MHz	13232 2	16QAM	6	0	Low	VL	NT	-9.16	-0.005 249	±2.5	PASS

Band66	20MHz	13232 2	16QAM	6	0	Low	VH	NT	-10.83	-0.006 206	±2.5	PASS
Band66	20MHz	13257 2	QPSK	6	0	High	VN	NT	-14.88	-0.008 407	±2.5	PASS
Band66	20MHz	13257 2	QPSK	6	0	High	VL	NT	-13.07	-0.007 384	±2.5	PASS
Band66	20MHz	13257 2	QPSK	6	0	High	VH	NT	-13.70	-0.007 740	±2.5	PASS
Band66	20MHz	13257 2	16QAM	6	0	High	VN	NT	-13.85	-0.007 825	±2.5	PASS
Band66	20MHz	13257 2	16QAM	6	0	High	VL	NT	-13.79	-0.007 791	±2.5	PASS
Band66	20MHz	13257 2	16QAM	6	0	High	VH	NT	-14.13	-0.007 983	±2.5	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	1.4MHz	131979	QPSK	6	0	Low	NV	-30	13.19	0.0077 10	±2.5	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	NV	-20	12.69	0.0074 18	±2.5	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	NV	-10	14.31	0.0083 65	±2.5	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	NV	0	-10.79	-0.006 307	±2.5	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	NV	10	-10.99	-0.006 424	±2.5	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	NV	20	-9.77	-0.005 711	±2.5	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	NV	30	-9.96	-0.005 822	±2.5	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	NV	40	-10.93	-0.006 389	±2.5	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	NV	50	-10.39	-0.006 074	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	NV	-30	-7.98	-0.004 665	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	NV	-20	-10.21	-0.005 968	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	NV	-10	-8.23	-0.004 811	±2.5	PASS

Band66	1.4MHz	131979	16QAM	6	0	Low	NV	0	-9.23	-0.005 395	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	NV	10	-9.04	-0.005 284	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	NV	20	-8.64	-0.005 051	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	NV	30	-7.08	-0.004 139	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	NV	40	-8.37	-0.004 893	±2.5	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	NV	50	-7.84	-0.004 583	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	NV	-30	14.00	0.0080 23	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	NV	-20	13.76	0.0078 85	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	NV	-10	12.47	0.0071 46	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	NV	0	13.05	0.0074 79	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	NV	10	13.99	0.0080 17	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	NV	20	12.47	0.0071 46	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	NV	30	13.22	0.0075 76	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	NV	40	14.41	0.0082 58	±2.5	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	NV	50	15.65	0.0089 68	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	NV	-30	-11.50	-0.006 590	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	NV	-20	15.51	0.0088 88	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	NV	-10	-13.68	-0.007 840	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	NV	0	-11.99	-0.006 871	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	NV	10	-11.32	-0.006 487	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	NV	20	-11.07	-0.006 344	±2.5	PASS

Band66	1.4MHz	132322	16QAM	6	0	Low	NV	30	-11.30	-0.006 476	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	NV	40	-10.46	-0.005 994	±2.5	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	NV	50	-15.88	-0.009 100	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	NV	-30	6.91	0.0038 84	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	NV	-20	7.48	0.0042 04	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	NV	-10	8.00	0.0044 96	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	NV	0	9.60	0.0053 95	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	NV	10	8.25	0.0046 37	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	NV	20	9.77	0.0054 91	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	NV	30	9.63	0.0054 12	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	NV	40	9.17	0.0051 54	±2.5	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	NV	50	9.86	0.0055 42	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	NV	-30	-15.41	-0.008 661	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	NV	-20	-14.42	-0.008 104	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	NV	-10	-13.88	-0.007 801	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	NV	0	-13.02	-0.007 317	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	NV	10	-12.39	-0.006 963	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	NV	20	-13.43	-0.007 548	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	NV	30	-13.53	-0.007 604	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	NV	40	-13.80	-0.007 756	±2.5	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	NV	50	-14.15	-0.007 953	±2.5	PASS