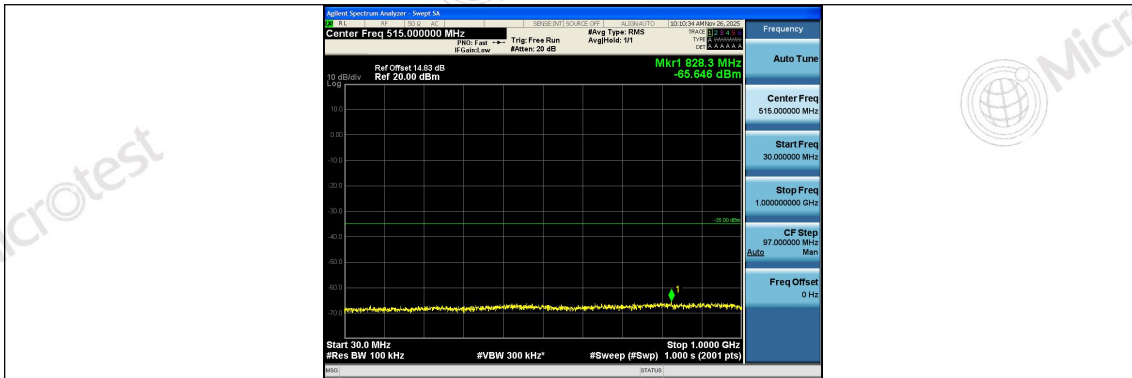
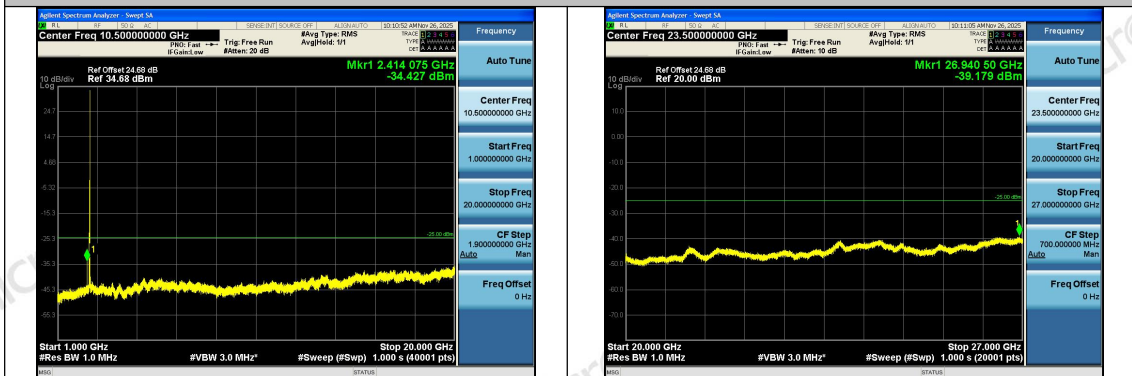




Band7-20MHz-QPSK-21100-1RB#99-30~1000-PASS

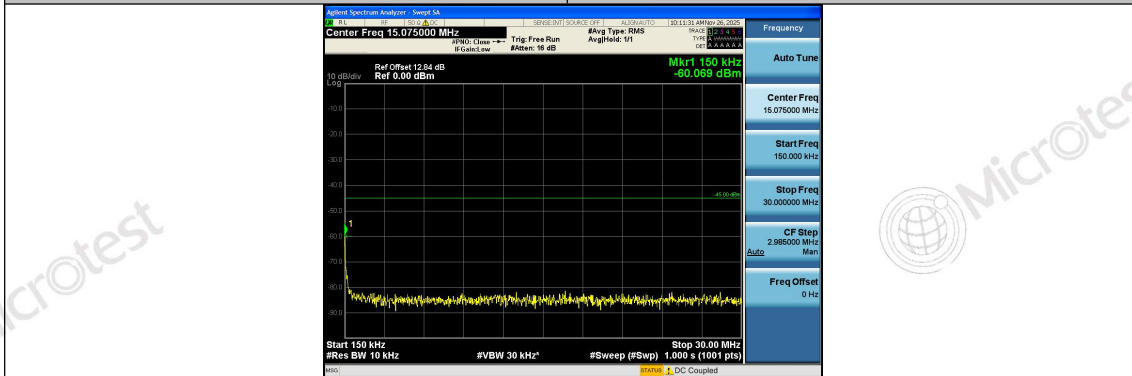


Band7-20MHz-QPSK-21100-1RB#99-1000~2000

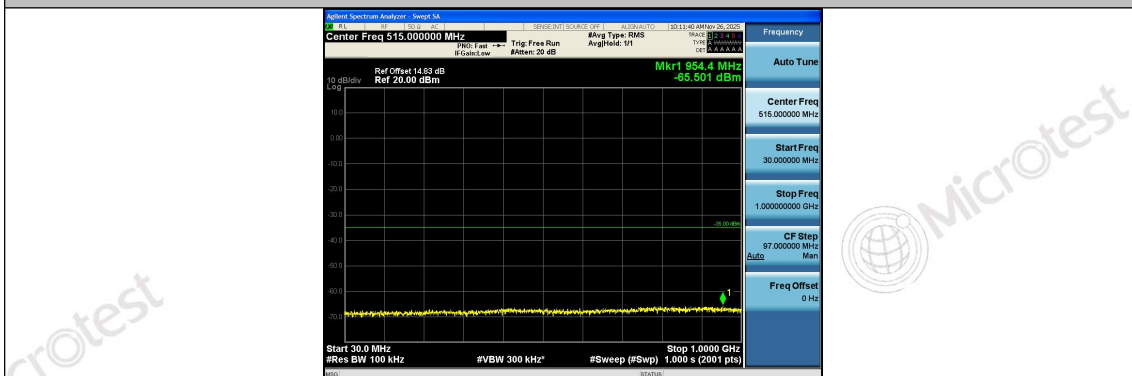
0-PASS

Band7-20MHz-QPSK-21100-1RB#99-20000~2700

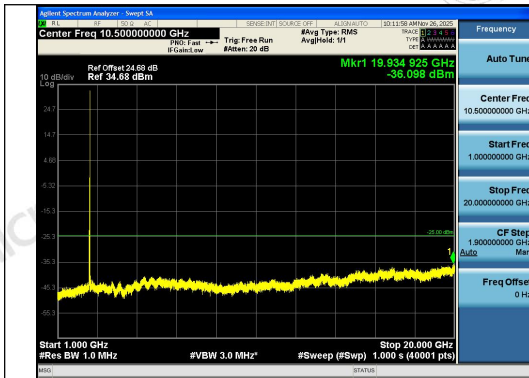
0-PASS



Band7-20MHz-16QAM-21100-1RB#99-0.15~30-PASS



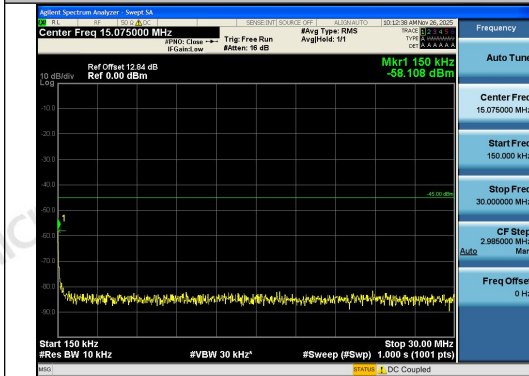
Band7-20MHz-16QAM-21100-1RB#99-30~1000-PASS



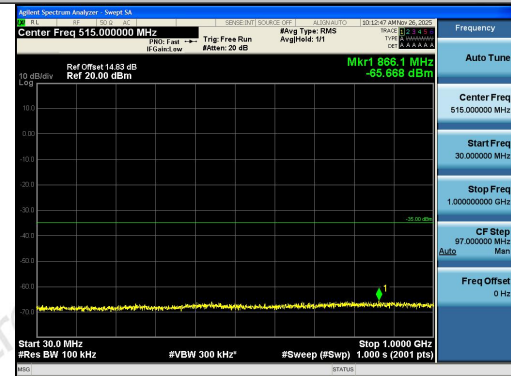
Band7-20MHz-16QAM-21100-1RB#99-1000~200
00-PASS



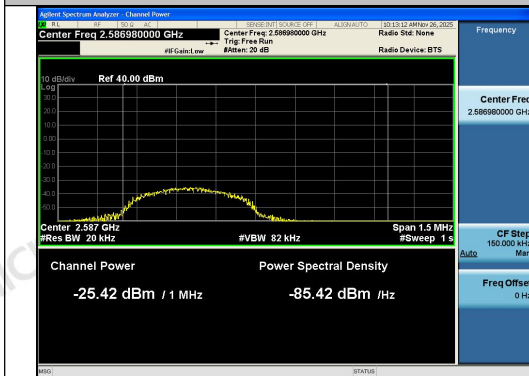
Band7-20MHz-16QAM-21100-1RB#99-20000~270
00-PASS



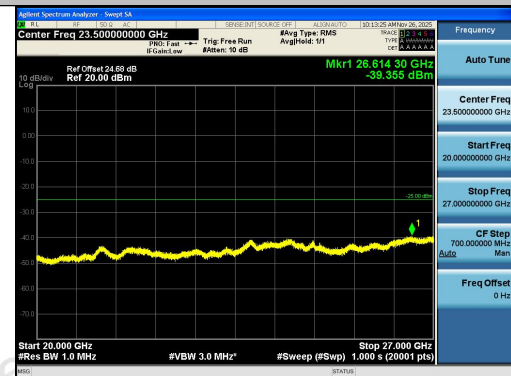
Band7-20MHz-QPSK-21350-1RB#0-0.15~30-PA
SS



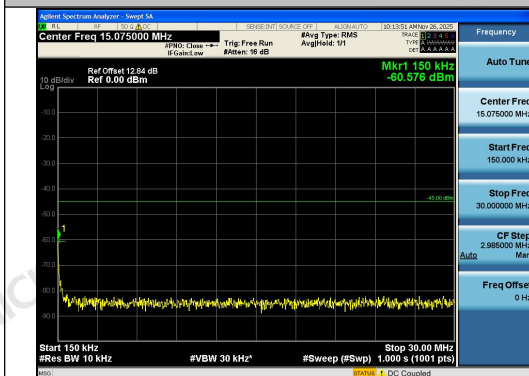
Band7-20MHz-QPSK-21350-1RB#0-30~1000-PAS
S



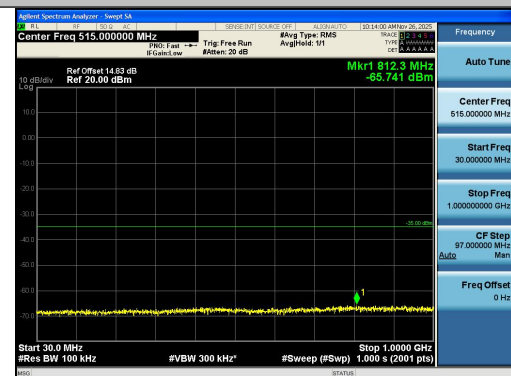
Band7-20MHz-QPSK-21350-1RB#0-1000~20000
-PASS



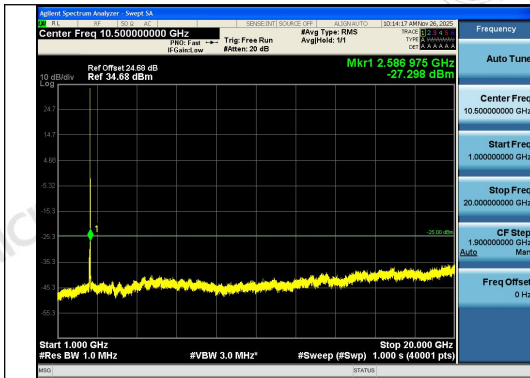
Band7-20MHz-QPSK-21350-1RB#0-20000~27000
-PASS



Band7-20MHz-16QAM-21350-1RB#0-0.15~30-PA
SS



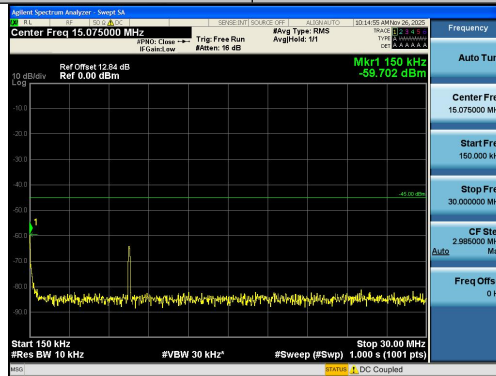
Band7-20MHz-16QAM-21350-1RB#0-30~1000-PA
SS



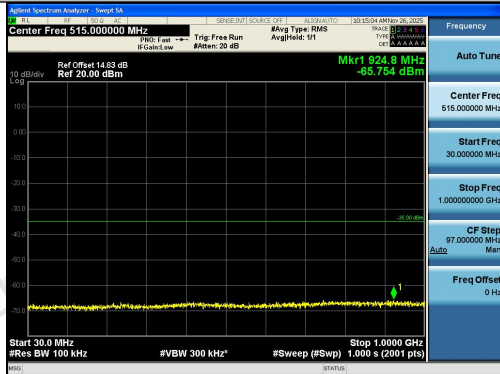
Band7-20MHz-16QAM-21350-1RB#0-1000~2000
0-PASS



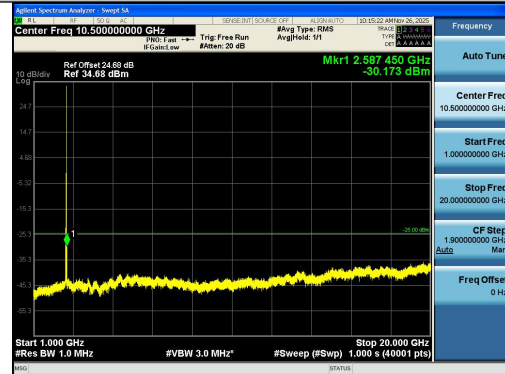
Band7-20MHz-16QAM-21350-1RB#0-20000~2700
0-PASS



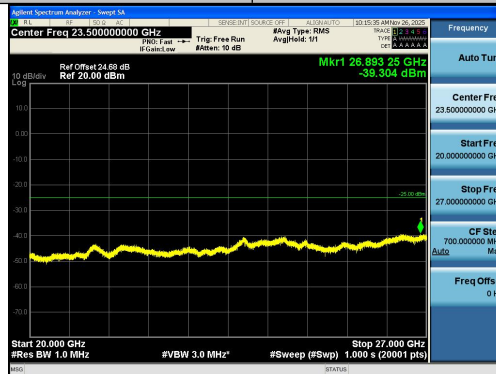
Band7-20MHz-QPSK-21350-1RB#99-0.15~30-PASS



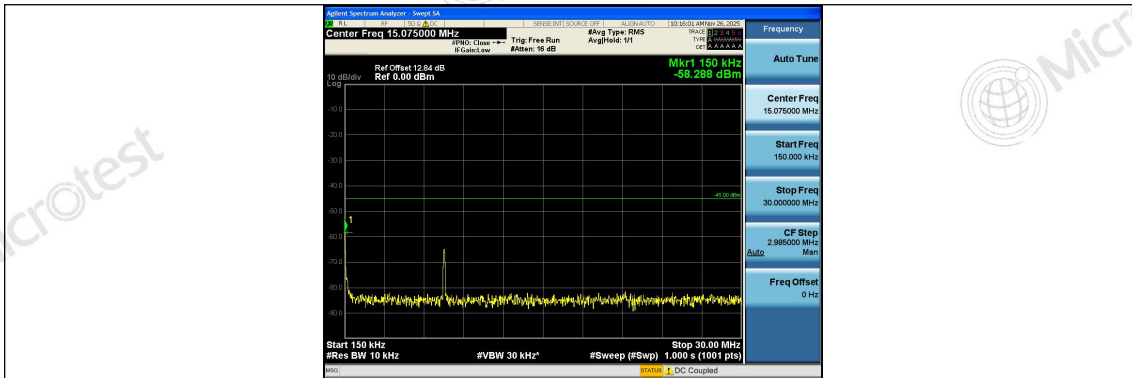
Band7-20MHz-QPSK-21350-1RB#99-30~1000-P
ASS



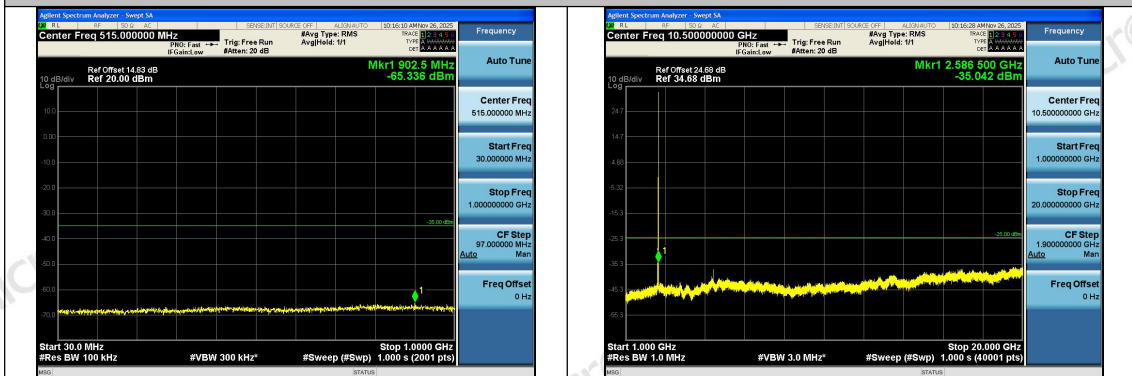
Band7-20MHz-QPSK-21350-1RB#99-1000~20000
-PASS



Band7-20MHz-QPSK-21350-1RB#99-20000~27000-PASS



Band7-20MHz-16QAM-21350-1RB#99-0.15~30-PASS

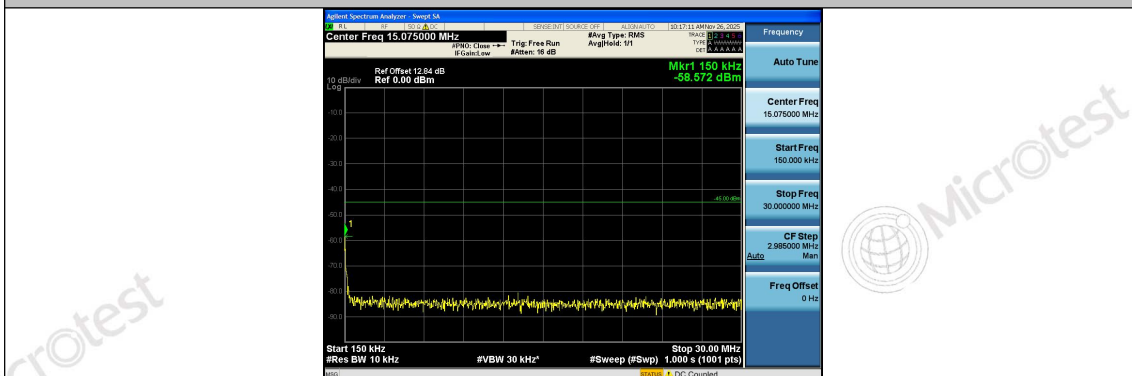


Band7-20MHz-16QAM-21350-1RB#99-30~1000-PASS

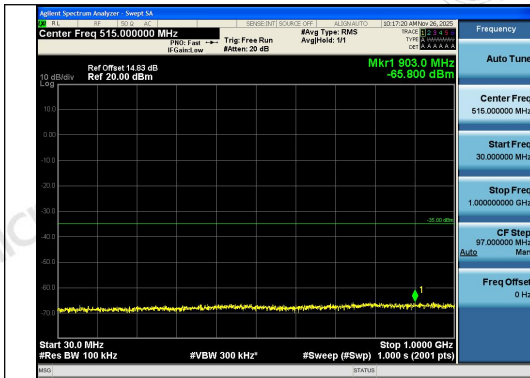
Band7-20MHz-16QAM-21350-1RB#99-1000~2000 0-PASS



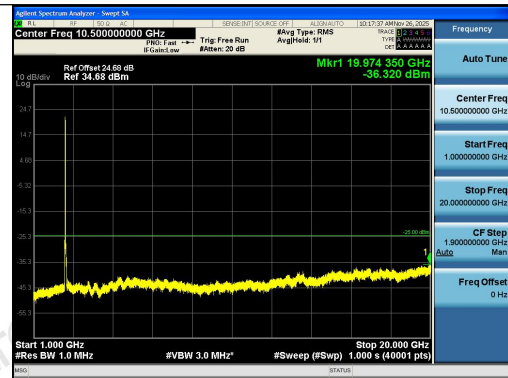
Band7-20MHz-16QAM-21350-1RB#99-20000~27000-PASS



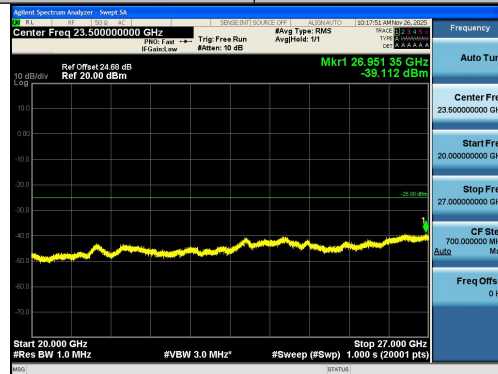
Band7-20MHz-QPSK-20850-100RB#0-0.15~30-PASS



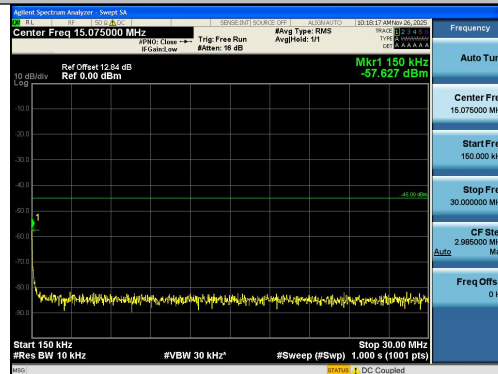
Band7-20MHz-QPSK-20850-100RB#0-30~1000-PASS



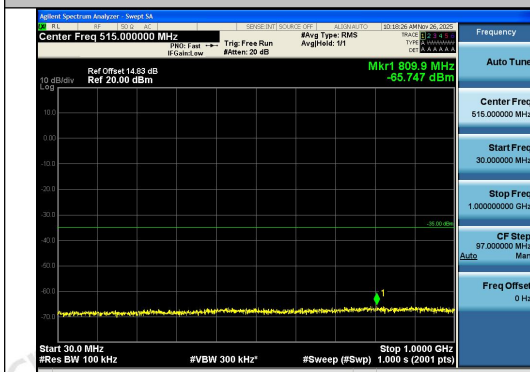
Band7-20MHz-QPSK-20850-100RB#0-1000~2000 0-PASS



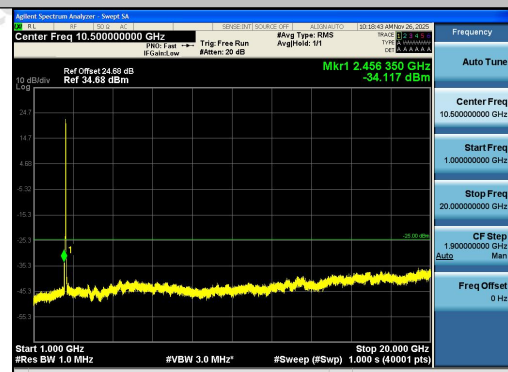
Band7-20MHz-QPSK-20850-100RB#0-20000~27000-PASS



Band7-20MHz-QPSK-21100-100RB#0-0.15~30-PASS



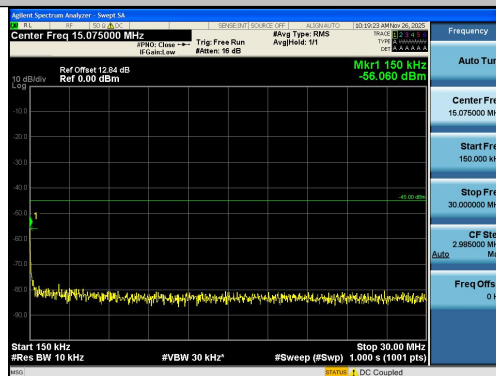
Band7-20MHz-QPSK-21100-100RB#0-30~1000-P ASS



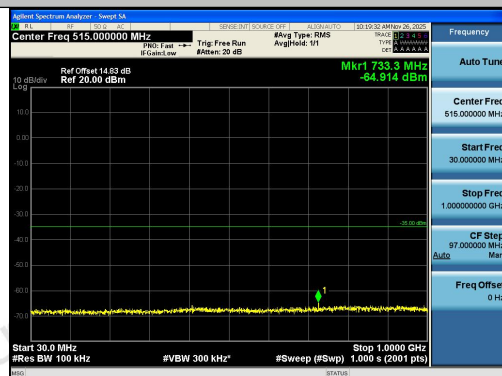
Band7-20MHz-QPSK-21100-100RB#0-1000~2000 0-PASS



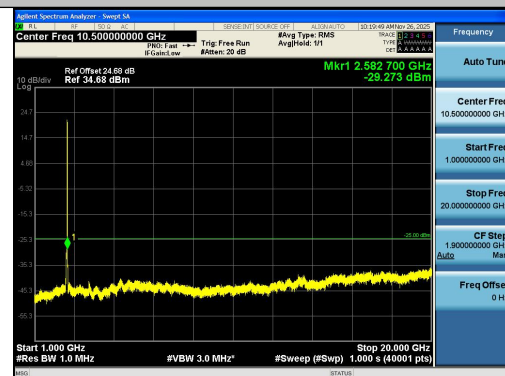
Band7-20MHz-QPSK-21100-100RB#0-20000~27000-PASS



Band7-20MHz-QPSK-21350-100RB#0-0.15~30-PASS



Band7-20MHz-QPSK-21350-100RB#0-30~1000-PASS



Band7-20MHz-QPSK-21350-100RB#0-1000~2000-0-PASS



Band7-20MHz-QPSK-21350-100RB#0-20000~27000-PASS

Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-19.05	-0.007590	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-20.80	-0.008287	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-18.77	-0.007478	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-21.26	-0.008470	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-16.41	-0.006538	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-13.19	-0.005203	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	16.55	0.006529	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-10.09	-0.003980	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	13.93	0.005495	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	9.43	0.003720	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-13.93	-0.005495	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-18.97	-0.007483	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-6.61	-0.002607	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-16.57	-0.006536	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	6.97	0.002723	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-8.41	-0.003285	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-10.17	-0.003973	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-8.81	-0.003441	±2.5	PASS

Band7	20MHz	QPSK	21350	100RB#0	NV	10	-11.73	-0.004582	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-11.57	-0.004520	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	9.16	0.003578	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-11.97	-0.004676	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-5.95	-0.002324	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	6.12	0.002446	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	-5.48	-0.002190	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-10	4.06	0.001622	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	-3.69	-0.001475	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	8.64	0.003453	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	6.97	0.002785	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	30	7.18	0.002869	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	40	6.49	0.002593	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	50	3.50	0.001399	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	4.46	0.001782	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	3.81	0.001522	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-10	4.75	0.001898	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	6.05	0.002418	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	4.81	0.001922	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	6.22	0.002486	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	40	7.60	0.003037	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	50	7.94	0.00317	±2.5	PASS

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Band7	5MHz	QPSK	2110 0	25RB#0	NV	-30	-7.81	-0.00308 1	±2.5	PAS S
Band7	5MHz	QPSK	2110 0	25RB#0	NV	-20	-6.25	-0.00246 5	±2.5	PAS S
Band7	5MHz	QPSK	2110 0	25RB#0	NV	-10	-5.25	-0.00207 1	±2.5	PAS S
Band7	5MHz	QPSK	2110 0	25RB#0	NV	0	-6.51	-0.00256 8	±2.5	PAS S
Band7	5MHz	QPSK	2110 0	25RB#0	NV	10	-7.77	-0.00306 5	±2.5	PAS S
Band7	5MHz	QPSK	2110 0	25RB#0	NV	20	-5.75	-0.00226 8	±2.5	PAS S
Band7	5MHz	QPSK	2110 0	25RB#0	NV	30	-3.50	-0.00138 1	±2.5	PAS S
Band7	5MHz	QPSK	2110 0	25RB#0	NV	40	5.49	0.00216 6	±2.5	PAS S
Band7	5MHz	QPSK	2110 0	25RB#0	NV	50	-8.17	-0.00322 3	±2.5	PAS S
Band7	5MHz	16QA M	2110 0	25RB#0	NV	-30	-7.77	-0.00306 5	±2.5	PAS S
Band7	5MHz	16QA M	2110 0	25RB#0	NV	-20	-6.45	-0.00254 4	±2.5	PAS S
Band7	5MHz	16QA M	2110 0	25RB#0	NV	-10	-9.34	-0.00368 4	±2.5	PAS S
Band7	5MHz	16QA M	2110 0	25RB#0	NV	0	-3.98	-0.00157 0	±2.5	PAS S
Band7	5MHz	16QA M	2110 0	25RB#0	NV	10	-6.25	-0.00246 5	±2.5	PAS S
Band7	5MHz	16QA M	2110 0	25RB#0	NV	20	-4.36	-0.00172 0	±2.5	PAS S
Band7	5MHz	16QA M	2110 0	25RB#0	NV	30	-7.45	-0.00293 9	±2.5	PAS S
Band7	5MHz	16QA M	2110 0	25RB#0	NV	40	-7.55	-0.00297 8	±2.5	PAS S
Band7	5MHz	16QA M	2110 0	25RB#0	NV	50	-6.90	-0.00272 2	±2.5	PAS S
Band7	5MHz	QPSK	2142 5	25RB#0	NV	-30	-5.11	-0.00199 0	±2.5	PAS S
Band7	5MHz	QPSK	2142 5	25RB#0	NV	-20	3.93	0.00153 1	±2.5	PAS S
Band7	5MHz	QPSK	2142 5	25RB#0	NV	-10	3.43	0.00133 6	±2.5	PAS S

Band7	5MHz	QPSK	2142 5	25RB#0	NV	0	6.01	0.00234 1	±2.5	PAS S
Band7	5MHz	QPSK	2142 5	25RB#0	NV	10	-4.19	-0.00163 2	±2.5	PAS S
Band7	5MHz	QPSK	2142 5	25RB#0	NV	20	-5.51	-0.00214 6	±2.5	PAS S
Band7	5MHz	QPSK	2142 5	25RB#0	NV	30	6.90	0.00268 7	±2.5	PAS S
Band7	5MHz	QPSK	2142 5	25RB#0	NV	40	4.25	0.00165 5	±2.5	PAS S
Band7	5MHz	QPSK	2142 5	25RB#0	NV	50	-4.21	-0.00164 0	±2.5	PAS S
Band7	5MHz	16QA M	2142 5	25RB#0	NV	-30	3.06	0.001192	±2.5	PAS S
Band7	5MHz	16QA M	2142 5	25RB#0	NV	-20	-6.47	-0.00252 0	±2.5	PAS S
Band7	5MHz	16QA M	2142 5	25RB#0	NV	-10	-3.89	-0.00151 5	±2.5	PAS S
Band7	5MHz	16QA M	2142 5	25RB#0	NV	0	4.39	0.00171 0	±2.5	PAS S
Band7	5MHz	16QA M	2142 5	25RB#0	NV	10	6.48	0.00252 4	±2.5	PAS S
Band7	5MHz	16QA M	2142 5	25RB#0	NV	20	-3.69	-0.00143 7	±2.5	PAS S
Band7	5MHz	16QA M	2142 5	25RB#0	NV	30	3.39	0.00132 0	±2.5	PAS S
Band7	5MHz	16QA M	2142 5	25RB#0	NV	40	4.58	0.00178 4	±2.5	PAS S
Band7	5MHz	16QA M	2142 5	25RB#0	NV	50	-3.49	-0.00135 9	±2.5	PAS S
Band7	10MH z	QPSK	2080 0	50RB#0	NV	-30	-4.72	-0.00188 4	±2.5	PAS S
Band7	10MH z	QPSK	2080 0	50RB#0	NV	-20	-7.37	-0.00294 2	±2.5	PAS S
Band7	10MH z	QPSK	2080 0	50RB#0	NV	-10	-3.45	-0.00137 7	±2.5	PAS S
Band7	10MH z	QPSK	2080 0	50RB#0	NV	0	-6.42	-0.00256 3	±2.5	PAS S
Band7	10MH z	QPSK	2080 0	50RB#0	NV	10	-6.94	-0.00277 0	±2.5	PAS S
Band7	10MH z	QPSK	2080 0	50RB#0	NV	20	-5.58	-0.00222 8	±2.5	PAS S
Band7	10MH	QPSK	2080	50RB#0	NV	30	-8.25	-0.00329	±2.5	PAS

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Band7	10MH z	QPSK	2080 0	50RB#0	NV	40	-4.78	-0.00190 8	±2.5	PAS S
Band7	10MH z	QPSK	2080 0	50RB#0	NV	50	-5.41	-0.00216 0	±2.5	PAS S
Band7	10MH z	QPSK	2110 0	50RB#0	NV	-30	-4.66	-0.00183 8	±2.5	PAS S
Band7	10MH z	QPSK	2110 0	50RB#0	NV	-20	-7.57	-0.00298 6	±2.5	PAS S
Band7	10MH z	QPSK	2110 0	50RB#0	NV	-10	-5.72	-0.00225 6	±2.5	PAS S
Band7	10MH z	QPSK	2110 0	50RB#0	NV	0	-4.78	-0.00188 6	±2.5	PAS S
Band7	10MH z	QPSK	2110 0	50RB#0	NV	10	-5.44	-0.00214 6	±2.5	PAS S
Band7	10MH z	QPSK	2110 0	50RB#0	NV	20	-7.93	-0.00312 8	±2.5	PAS S
Band7	10MH z	QPSK	2110 0	50RB#0	NV	30	-7.58	-0.00299 0	±2.5	PAS S
Band7	10MH z	QPSK	2110 0	50RB#0	NV	40	-7.55	-0.00297 8	±2.5	PAS S
Band7	10MH z	QPSK	2110 0	50RB#0	NV	50	-5.32	-0.00209 9	±2.5	PAS S
Band7	10MH z	QPSK	2140 0	50RB#0	NV	-30	-9.76	-0.00380 5	±2.5	PAS S
Band7	10MH z	QPSK	2140 0	50RB#0	NV	-20	-8.24	-0.00321 2	±2.5	PAS S
Band7	10MH z	QPSK	2140 0	50RB#0	NV	-10	-5.46	-0.00212 9	±2.5	PAS S
Band7	10MH z	QPSK	2140 0	50RB#0	NV	0	-4.12	-0.00160 6	±2.5	PAS S
Band7	10MH z	QPSK	2140 0	50RB#0	NV	10	-3.23	-0.00125 9	±2.5	PAS S
Band7	10MH z	QPSK	2140 0	50RB#0	NV	20	-6.98	-0.00272 1	±2.5	PAS S
Band7	10MH z	QPSK	2140 0	50RB#0	NV	30	-11.72	-0.00456 9	±2.5	PAS S
Band7	10MH z	QPSK	2140 0	50RB#0	NV	50	-5.08	-0.00198 1	±2.5	PAS S
Band7	15MH z	QPSK	2082 5	75RB#0	NV	-30	3.68	0.00146 8	±2.5	PAS S
Band7	15MH z	QPSK	2082 5	75RB#0	NV	-20	4.11	0.00163 9	±2.5	PAS S

Band7	15MH z	QPSK	2082 5	75RB#0	NV	-10	7.84	0.00312 7	±2.5	PAS S
Band7	15MH z	QPSK	2082 5	75RB#0	NV	0	5.54	0.00220 9	±2.5	PAS S
Band7	15MH z	QPSK	2082 5	75RB#0	NV	10	-5.49	-0.00218 9	±2.5	PAS S
Band7	15MH z	QPSK	2082 5	75RB#0	NV	20	-4.16	-0.00165 9	±2.5	PAS S
Band7	15MH z	QPSK	2082 5	75RB#0	NV	30	-3.98	-0.00158 7	±2.5	PAS S
Band7	15MH z	QPSK	2082 5	75RB#0	NV	40	3.75	0.00149 6	±2.5	PAS S
Band7	15MH z	QPSK	2082 5	75RB#0	NV	50	7.41	0.00295 5	±2.5	PAS S
Band7	15MH z	QPSK	2110 0	75RB#0	NV	-30	-8.84	-0.00348 7	±2.5	PAS S
Band7	15MH z	QPSK	2110 0	75RB#0	NV	-20	-9.16	-0.00361 3	±2.5	PAS S
Band7	15MH z	QPSK	2110 0	75RB#0	NV	-10	-8.96	-0.00353 5	±2.5	PAS S
Band7	15MH z	QPSK	2110 0	75RB#0	NV	0	-10.24	-0.00403 9	±2.5	PAS S
Band7	15MH z	QPSK	2110 0	75RB#0	NV	10	-4.02	-0.00158 6	±2.5	PAS S
Band7	15MH z	QPSK	2110 0	75RB#0	NV	20	-5.35	-0.00211 0	±2.5	PAS S
Band7	15MH z	QPSK	2110 0	75RB#0	NV	30	-4.73	-0.00186 6	±2.5	PAS S
Band7	15MH z	QPSK	2110 0	75RB#0	NV	40	-5.58	-0.00220 1	±2.5	PAS S
Band7	15MH z	QPSK	2110 0	75RB#0	NV	50	-5.12	-0.00202 0	±2.5	PAS S
Band7	15MH z	QPSK	2137 5	75RB#0	NV	-30	3.85	0.00150 2	±2.5	PAS S
Band7	15MH z	QPSK	2137 5	75RB#0	NV	-20	6.72	0.00262 2	±2.5	PAS S
Band7	15MH z	QPSK	2137 5	75RB#0	NV	-10	8.10	0.00316 1	±2.5	PAS S
Band7	15MH z	QPSK	2137 5	75RB#0	NV	0	6.85	0.00267 3	±2.5	PAS S
Band7	15MH z	QPSK	2137 5	75RB#0	NV	10	6.01	0.00234 5	±2.5	PAS S
Band7	15MH	QPSK	2137	75RB#0	NV	20	5.06	0.00197	±2.5	PAS

	z		5					5		S
Band7	15MH z	QPSK	2137 5	75RB#0	NV	30	3.50	0.00136 6	±2.5	PAS S
Band7	15MH z	QPSK	2137 5	75RB#0	NV	40	6.11	0.00238 4	±2.5	PAS S
Band7	15MH z	QPSK	2137 5	75RB#0	NV	50	4.49	0.00175 2	±2.5	PAS S
Band7	20MH z	QPSK	2085 0	100RB# 0	NV	-30	-14.99	-0.00597 2	±2.5	PAS S
Band7	20MH z	QPSK	2085 0	100RB# 0	NV	-20	-16.11	-0.00641 8	±2.5	PAS S
Band7	20MH z	QPSK	2085 0	100RB# 0	NV	-10	-16.19	-0.00645 0	±2.5	PAS S
Band7	5MHz	16QA M	2077 5	25RB#0	NV	30	7.18	0.00286 9	±2.5	PAS S
Band7	10MH z	QPSK	2140 0	50RB#0	NV	40	-7.88	-0.00307 2	±2.5	PAS S
Band7	20MH z	QPSK	2085 0	100RB# 0	NV	0	-19.27	-0.00767 7	±2.5	PAS S

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band7	5MHz	QPSK	20775	25RB#0	PASS
Band7	5MHz	16QAM	20775	25RB#0	PASS
Band7	5MHz	QPSK	21100	25RB#0	PASS
Band7	5MHz	16QAM	21100	25RB#0	PASS
Band7	5MHz	QPSK	21425	25RB#0	PASS
Band7	5MHz	16QAM	21425	25RB#0	PASS
Band7	10MHz	QPSK	20800	50RB#0	PASS
Band7	10MHz	QPSK	21100	50RB#0	PASS
Band7	10MHz	QPSK	21400	50RB#0	PASS
Band7	10MHz	16QAM	20800	1RB#0	PASS
Band7	10MHz	16QAM	21100	1RB#0	PASS
Band7	10MHz	16QAM	21400	1RB#0	PASS
Band7	15MHz	QPSK	20825	75RB#0	PASS
Band7	15MHz	QPSK	21100	75RB#0	PASS
Band7	15MHz	QPSK	21375	75RB#0	PASS
Band7	15MHz	16QAM	20825	1RB#0	PASS
Band7	15MHz	16QAM	21100	1RB#0	PASS
Band7	15MHz	16QAM	21375	1RB#0	PASS
Band7	20MHz	QPSK	20850	100RB#0	PASS
Band7	20MHz	QPSK	21100	100RB#0	PASS
Band7	20MHz	QPSK	21350	100RB#0	PASS
Band7	20MHz	16QAM	20850	1RB#0	PASS
Band7	20MHz	16QAM	21100	1RB#0	PASS
Band7	20MHz	16QAM	21350	1RB#0	PASS