



Band12-10MHz-QPSK-23060-1RB#0



Band12-10MHz-QPSK-23060-1RB#49



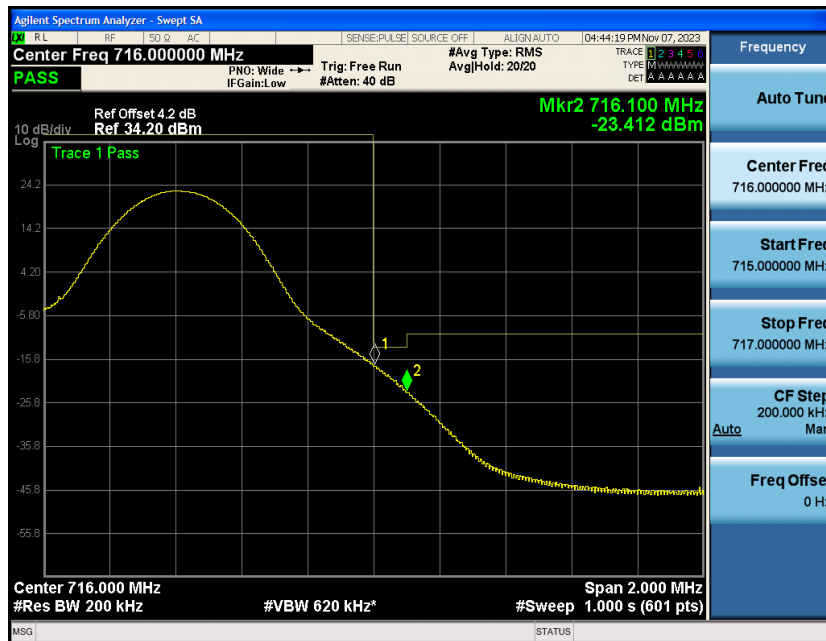
Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23130-1RB#0



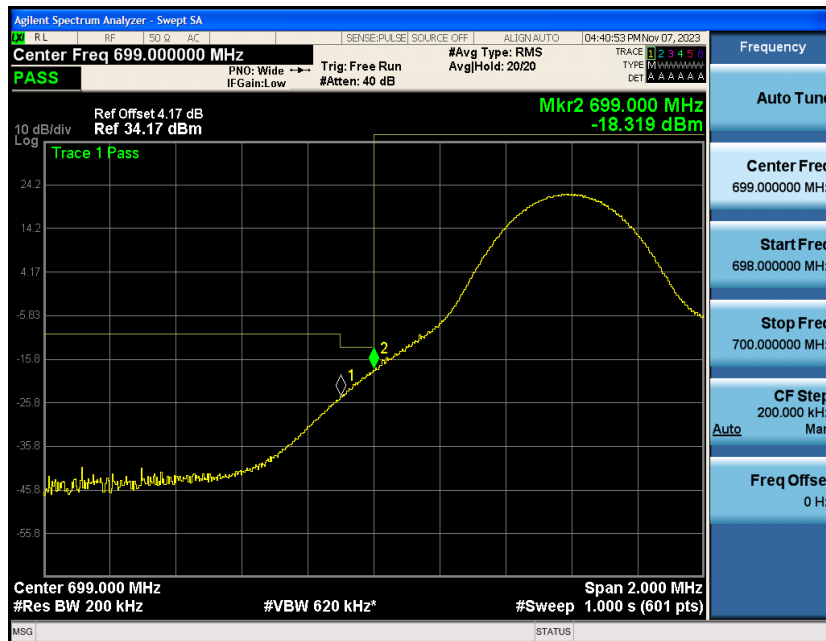
Band12-10MHz-QPSK-23130-1RB#49



Band12-10MHz-QPSK-23130-50RB#0



Band12-10MHz-16QAM-23060-1RB#0



Band12-10MHz-16QAM-23060-1RB#49



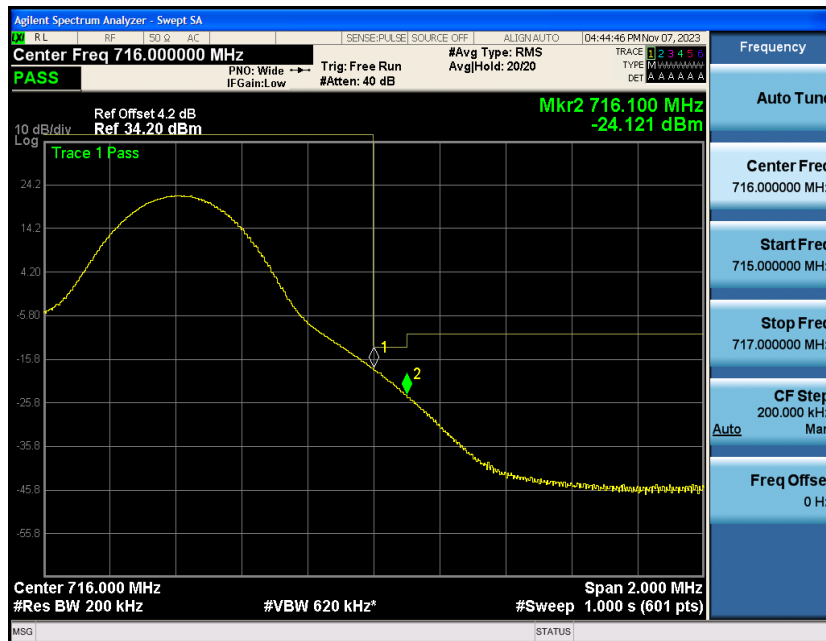
Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-1RB#49



Band12-10MHz-16QAM-23130-50RB#0



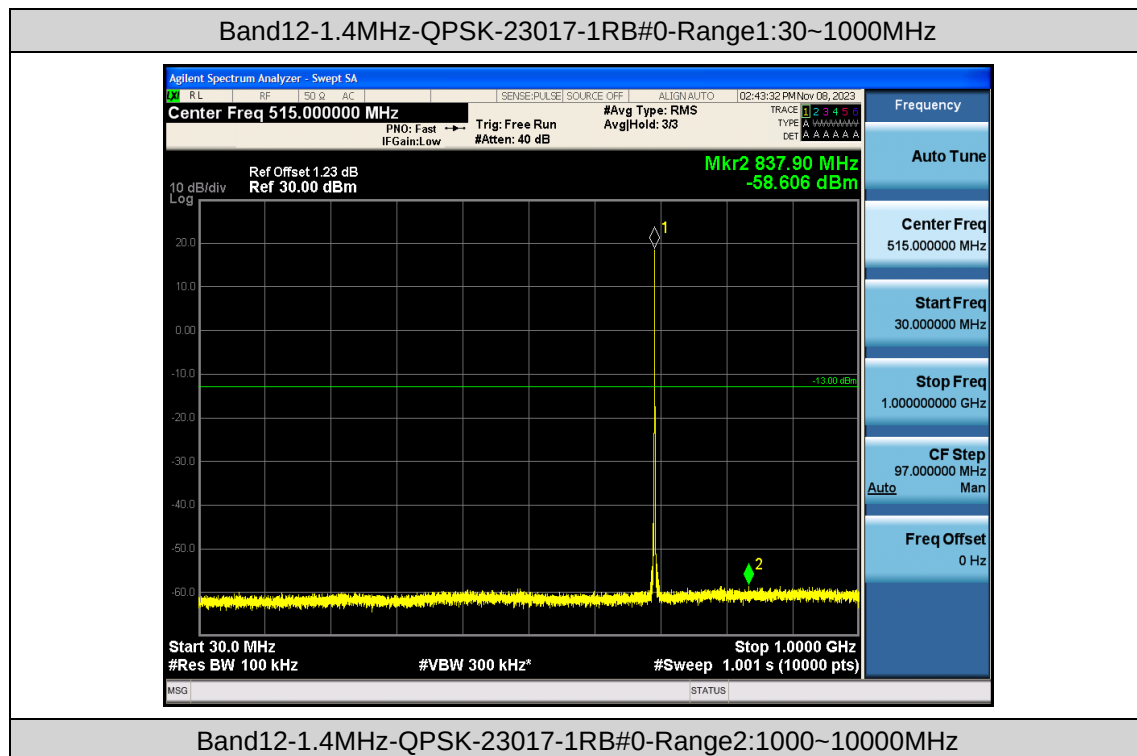
Appendix E: Conducted Spurious Emission

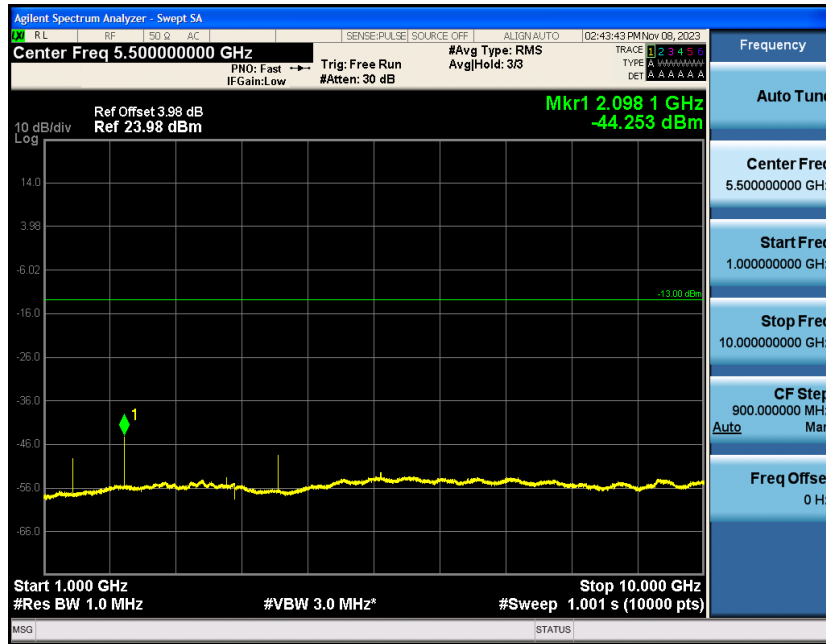
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-58.61	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-44.25	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.5	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-40.75	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-58.22	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-44.64	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-58.48	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-46.81	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.48	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-42.72	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-58.51	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-44.98	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-58.36	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-43.49	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.72	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-41	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-58.11	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-44.08	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-58.46	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-44.91	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.39	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-42.73	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-58.3	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-45.13	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-58.58	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-43.69	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.28	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-41.09	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-58.91	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-43.53	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-58.58	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-45.4	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.74	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-42	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-58.54	PASS

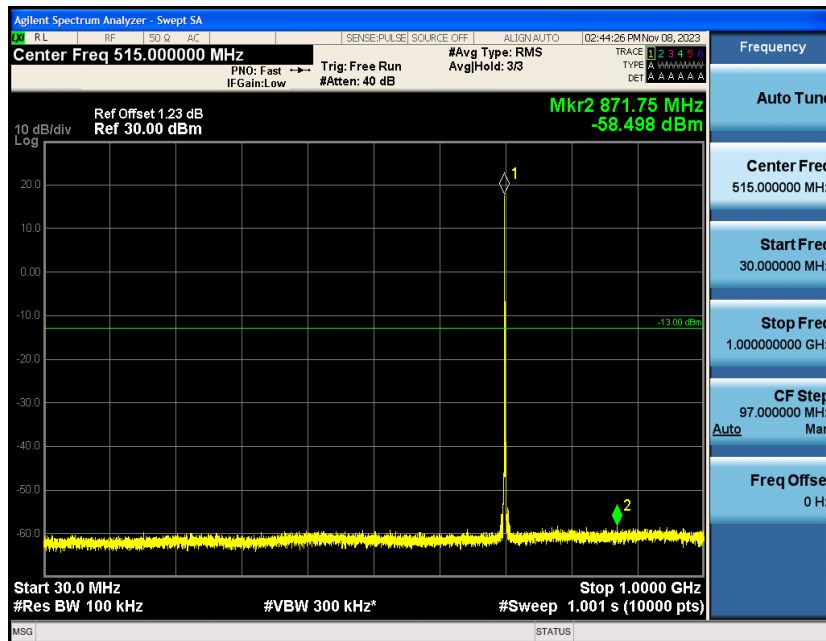
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-47.02	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-58.85	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-43.7	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.66	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-43.66	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-58.74	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-40.5	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-58.96	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-44.22	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.8	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-45.69	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-58.59	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-41.49	PASS

Test Graphs

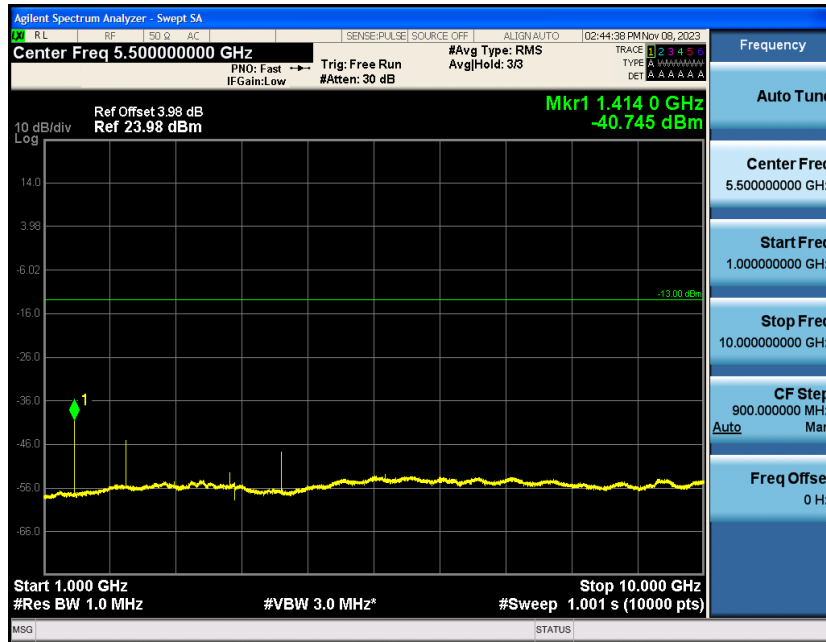




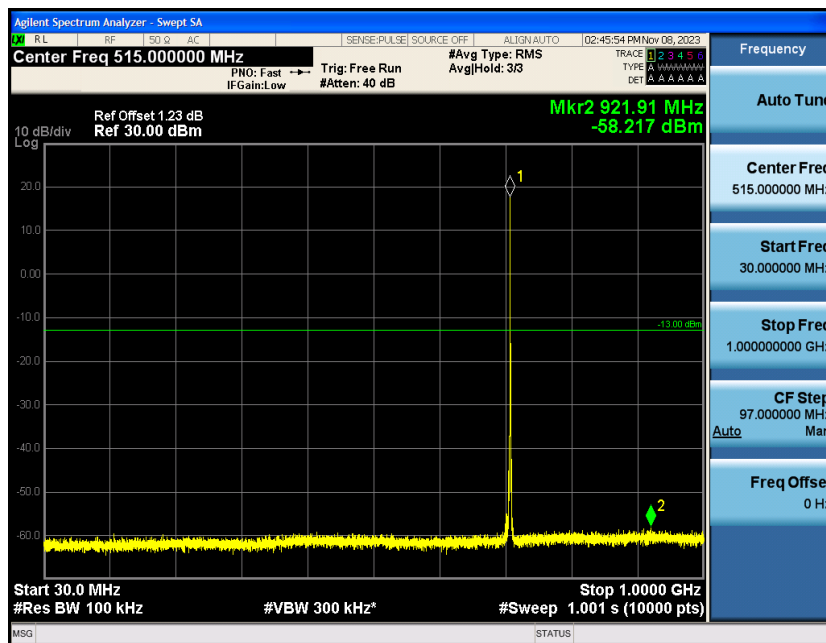
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



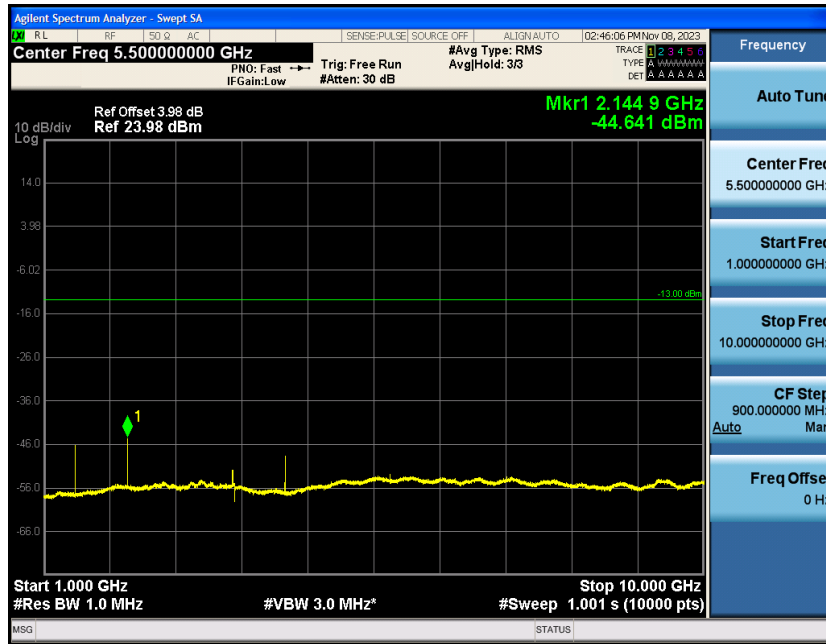
Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



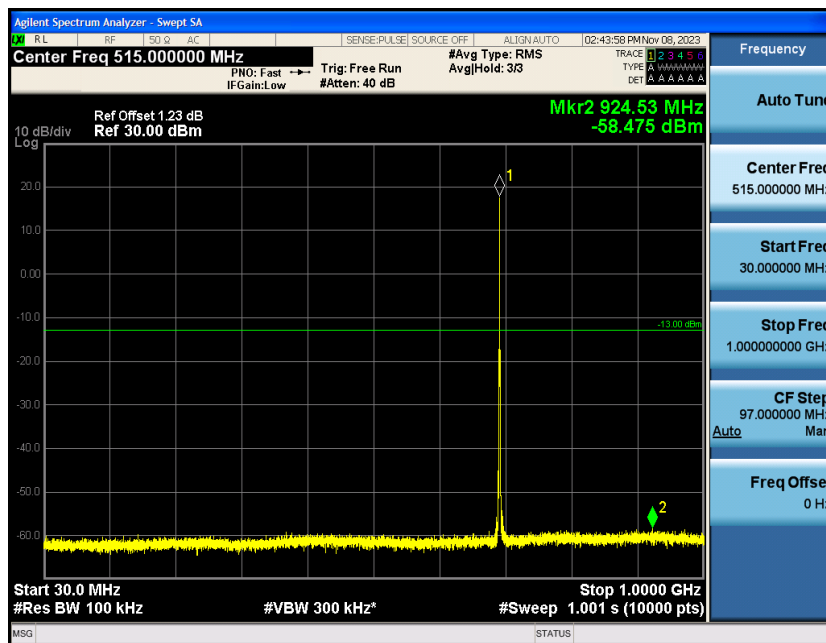
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



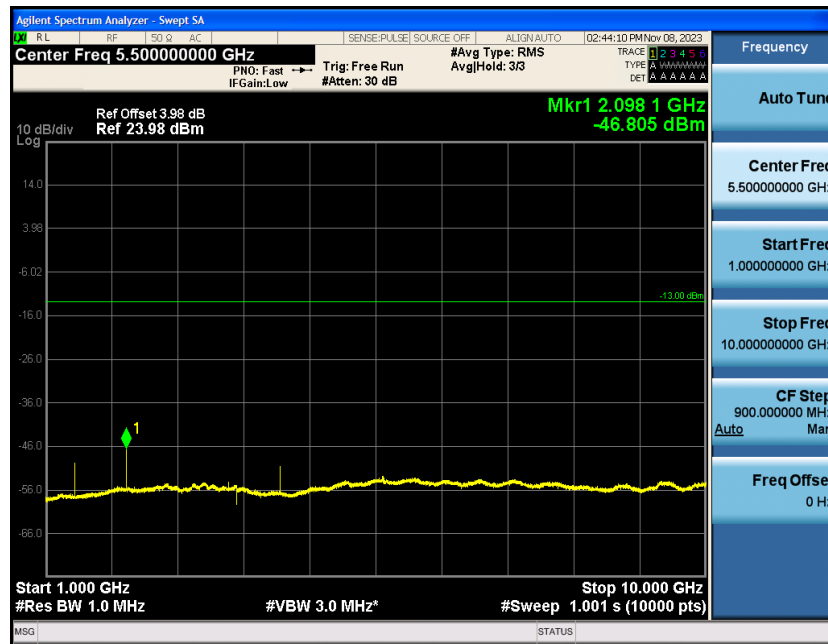
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



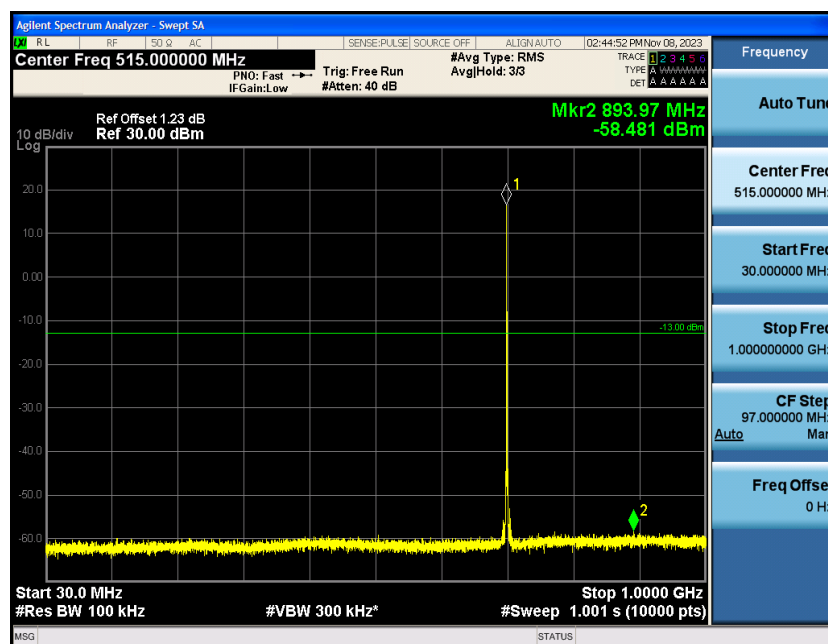
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



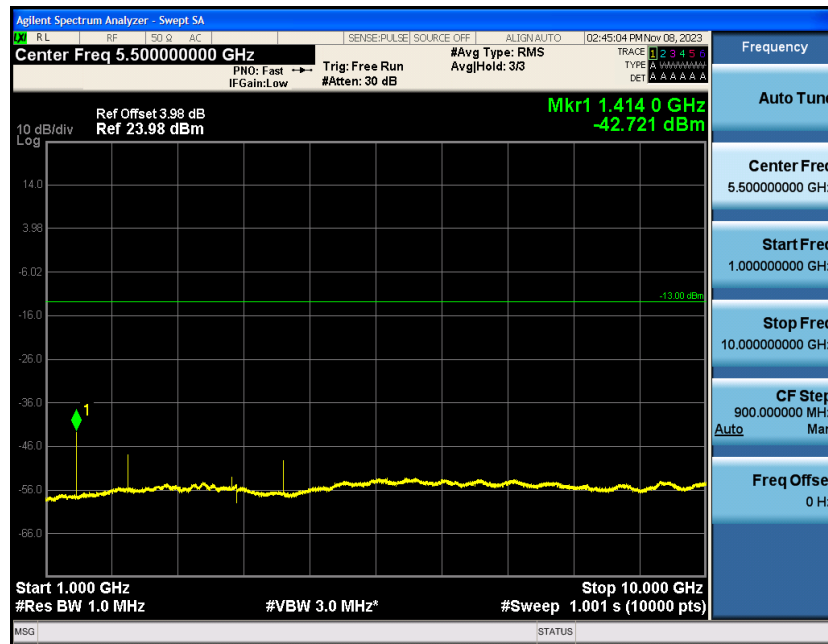
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



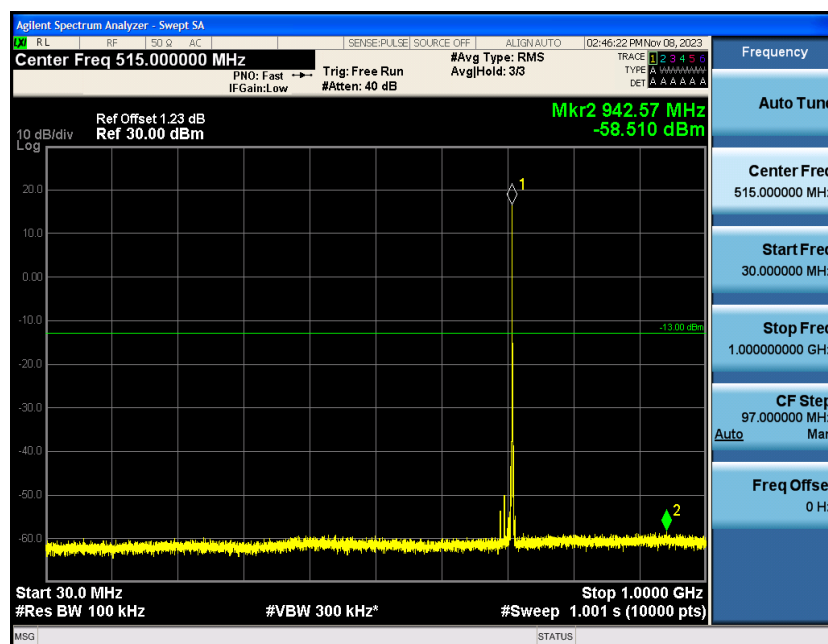
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



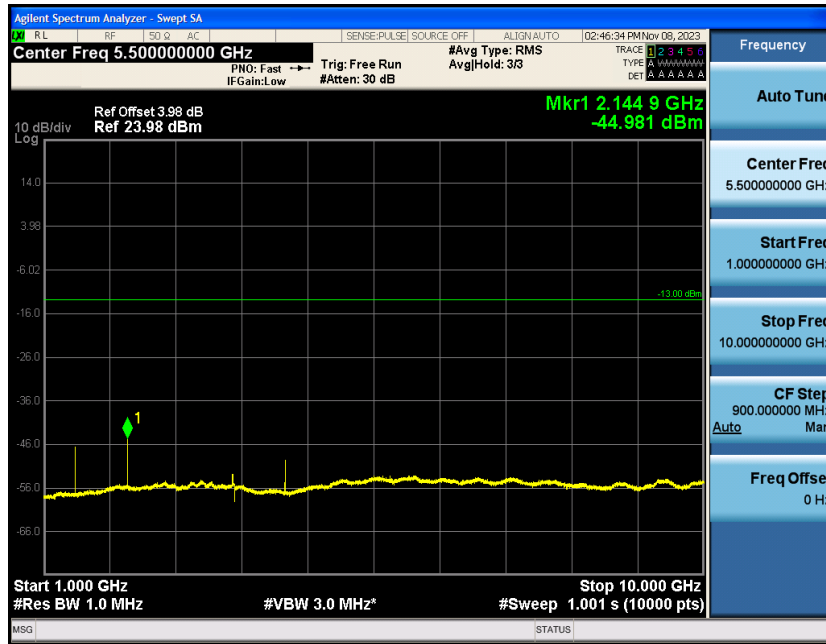
Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



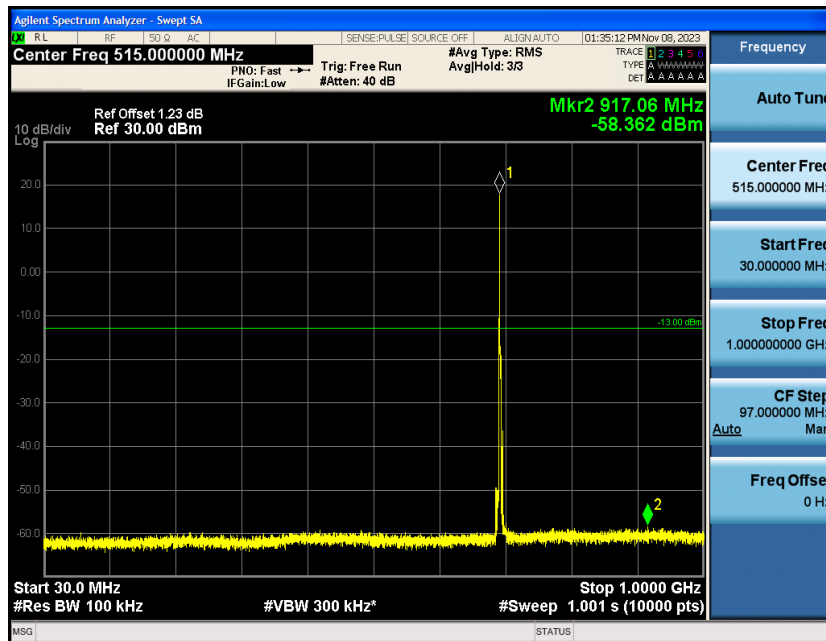
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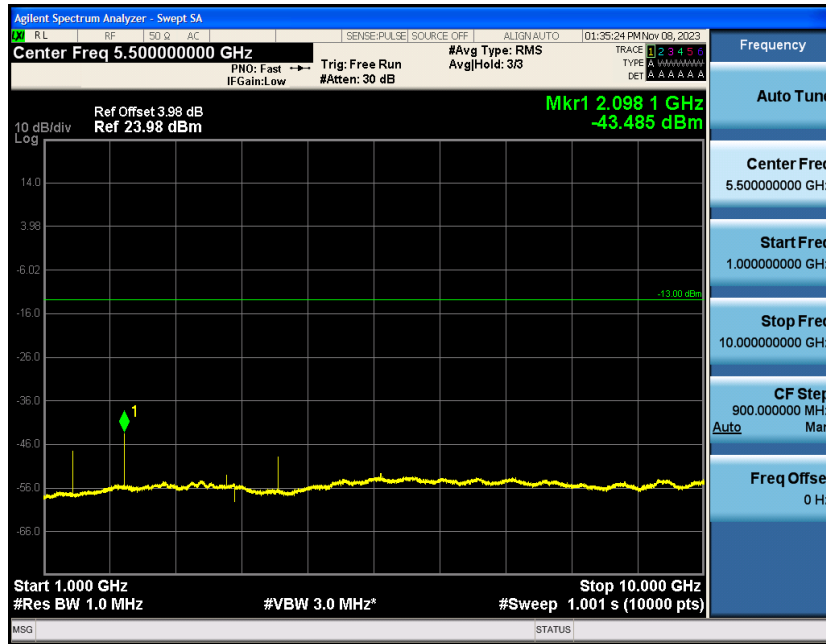
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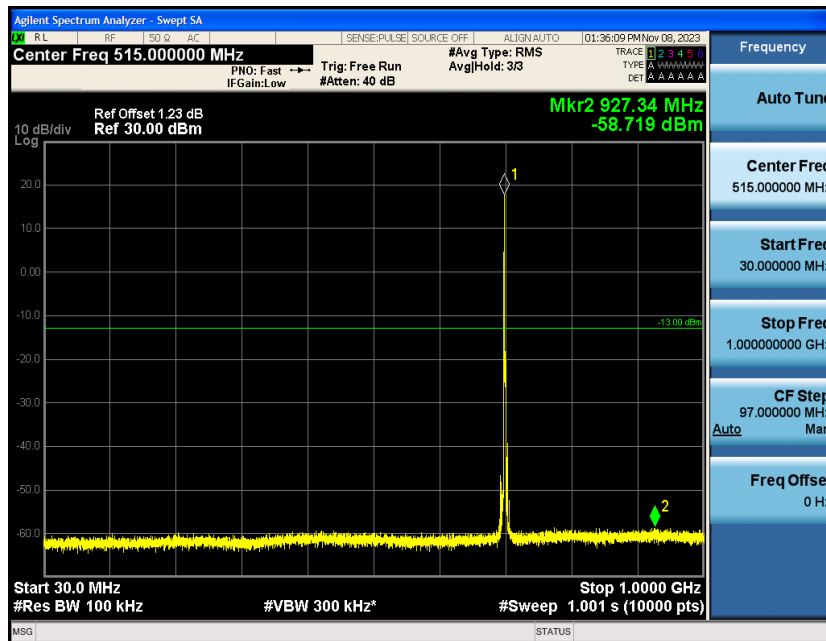
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



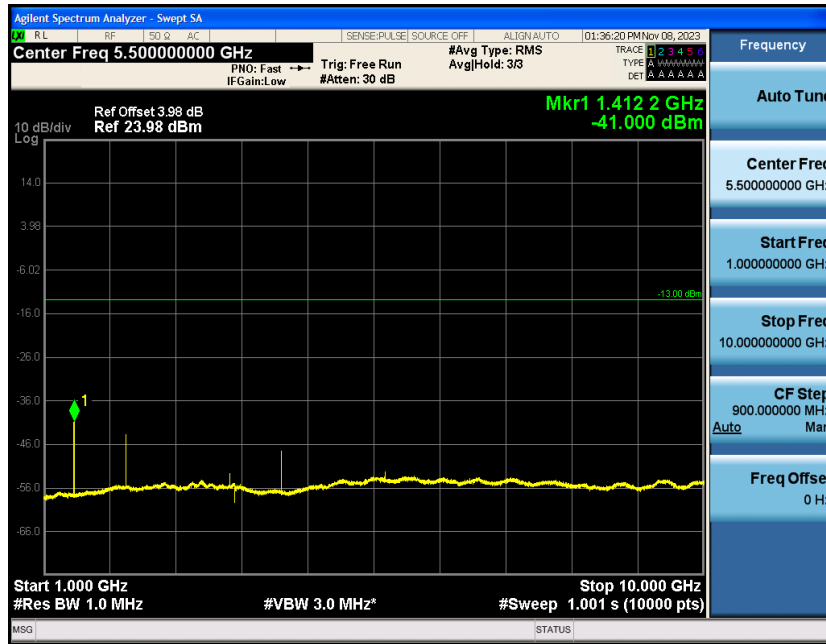
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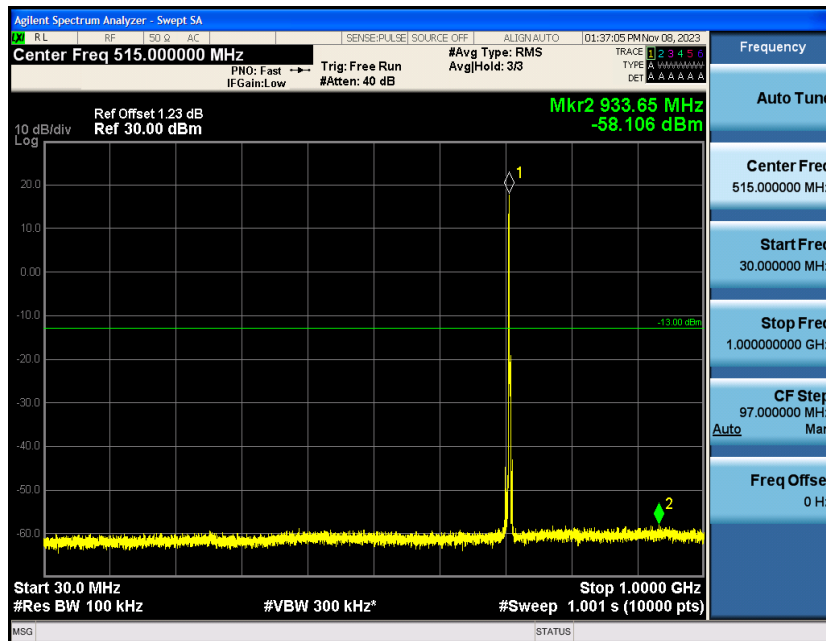
Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



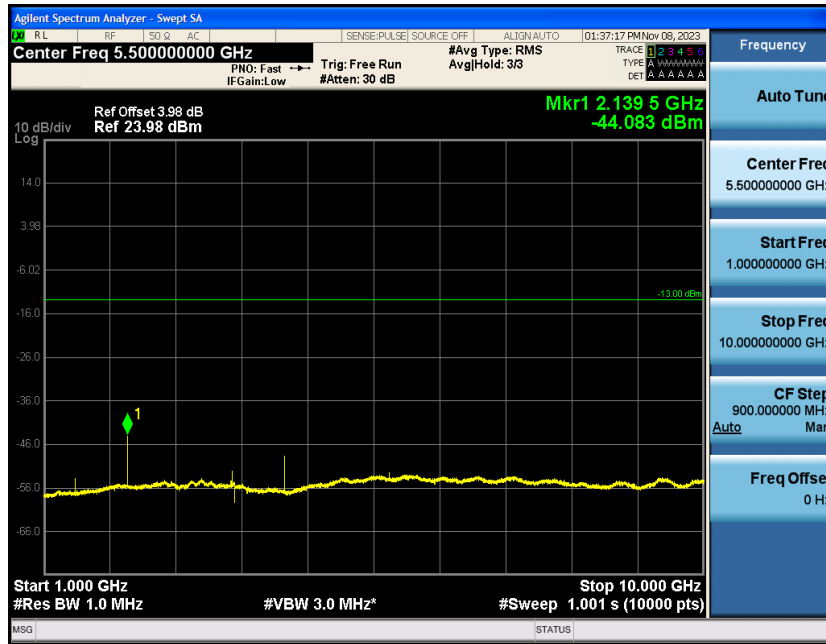
Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



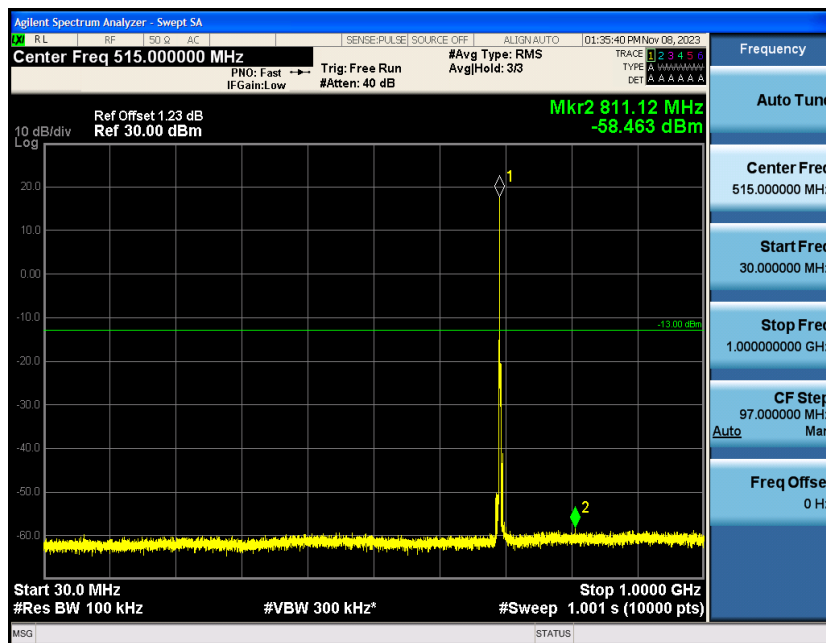
Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



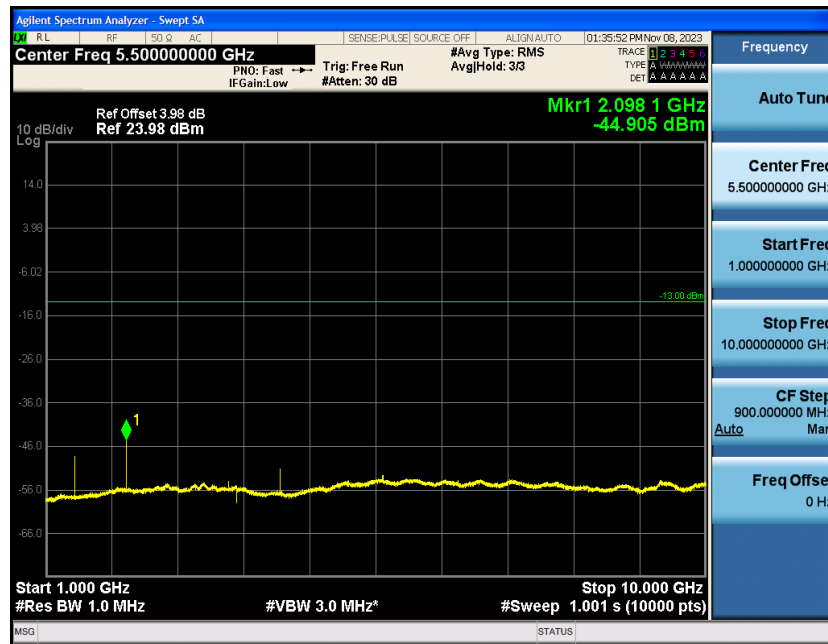
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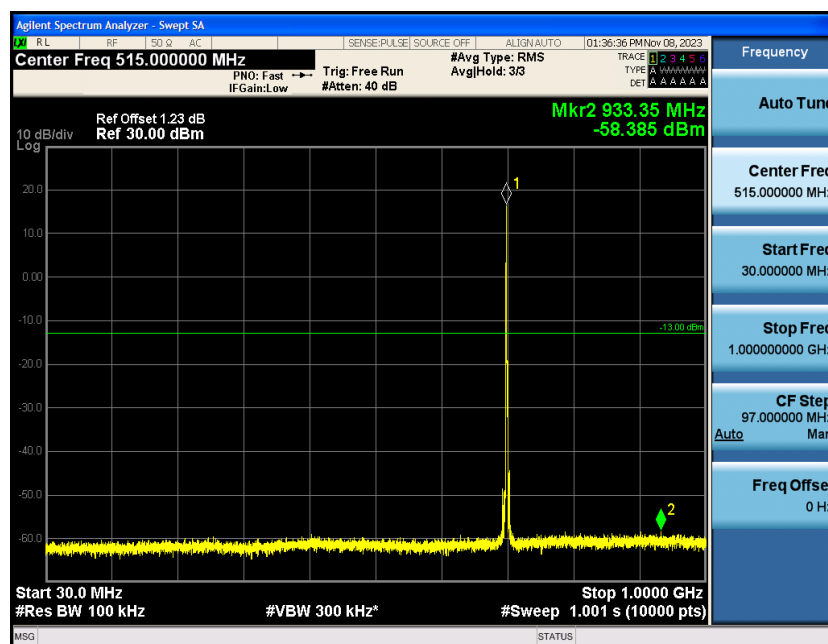
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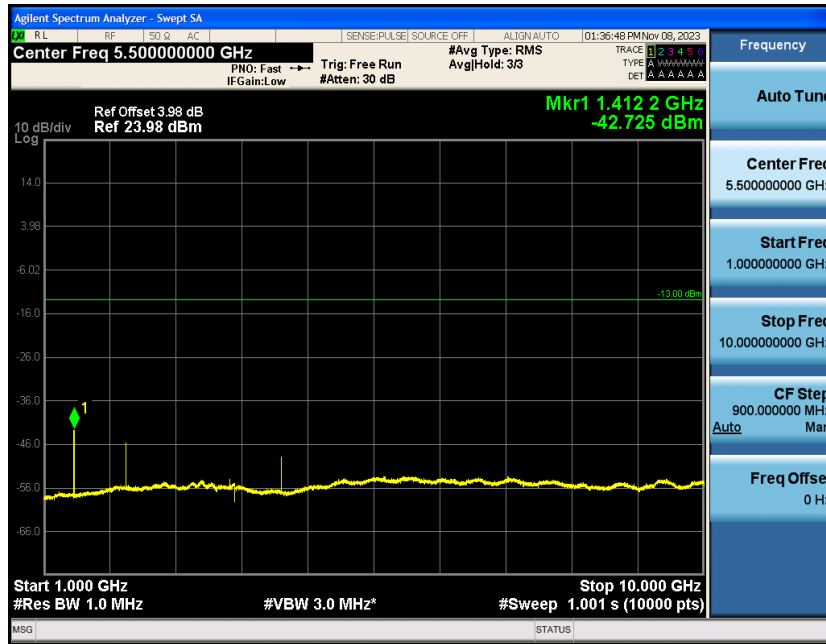
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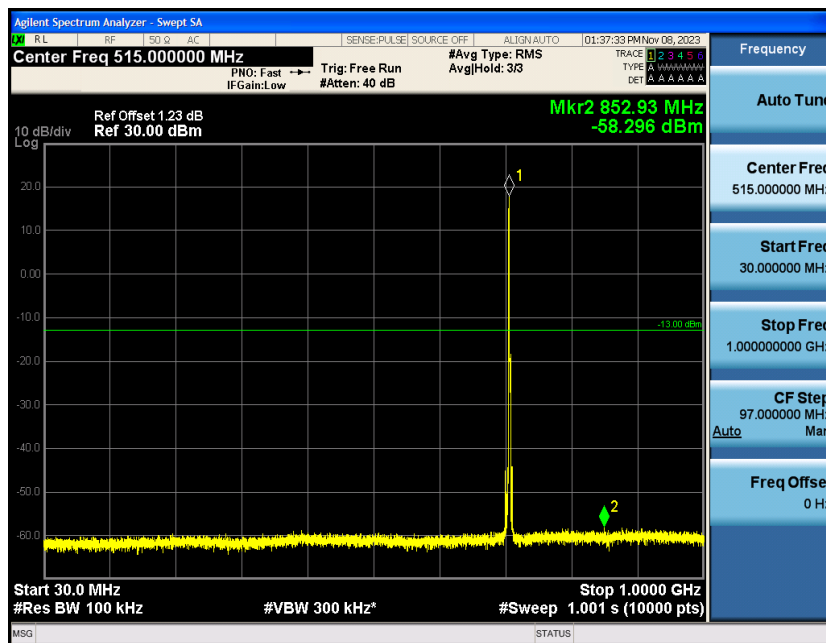
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



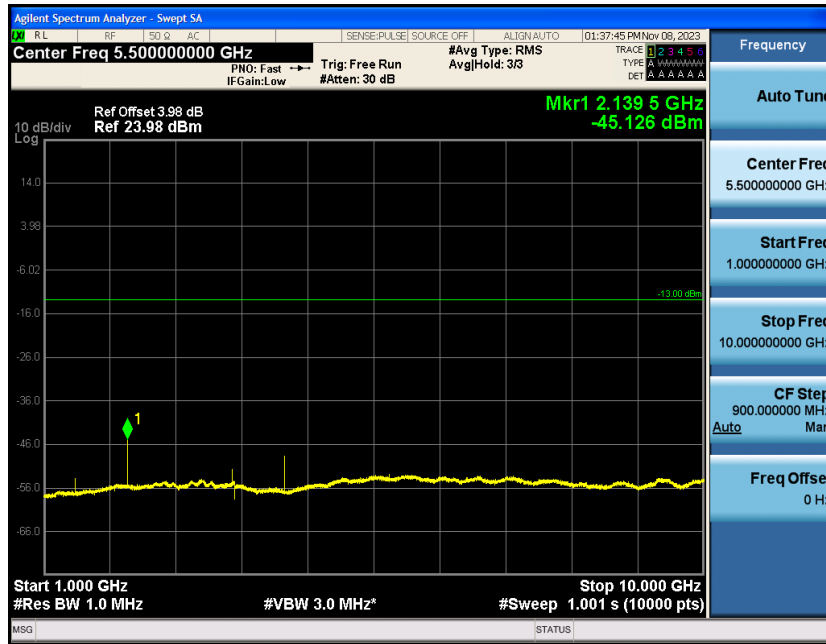
Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



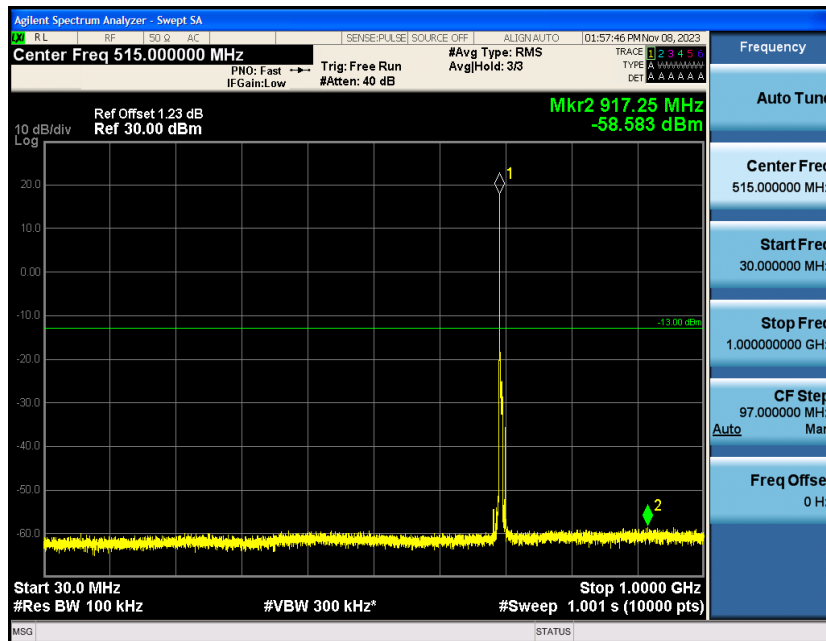
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



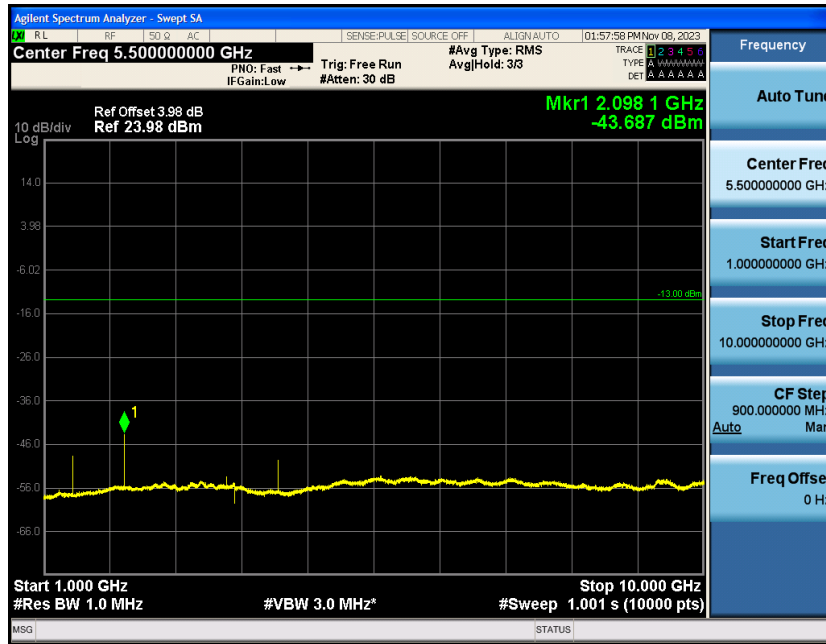
Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



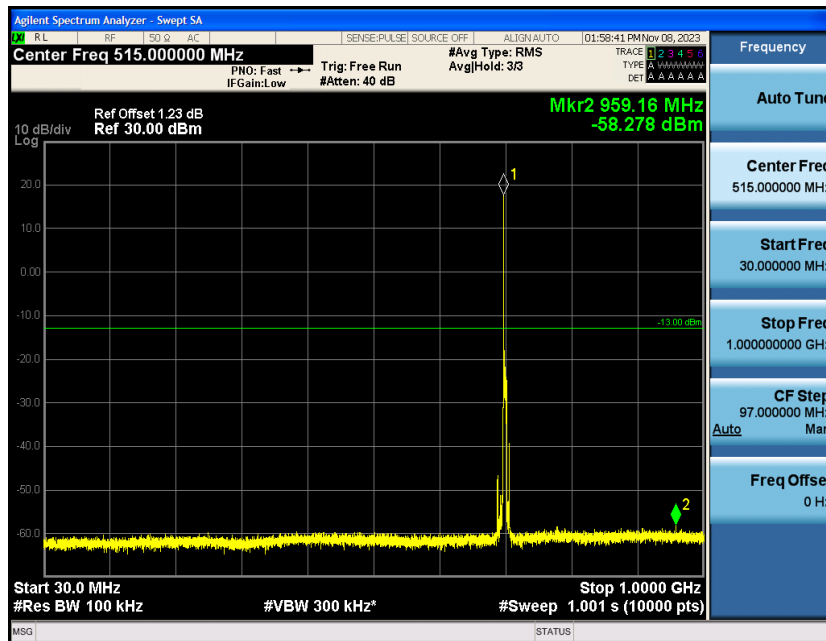
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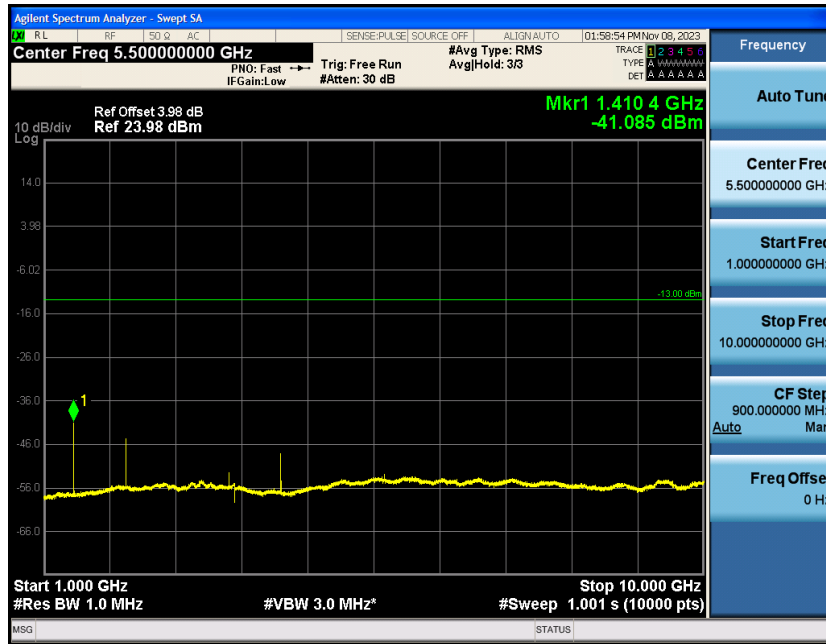
Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



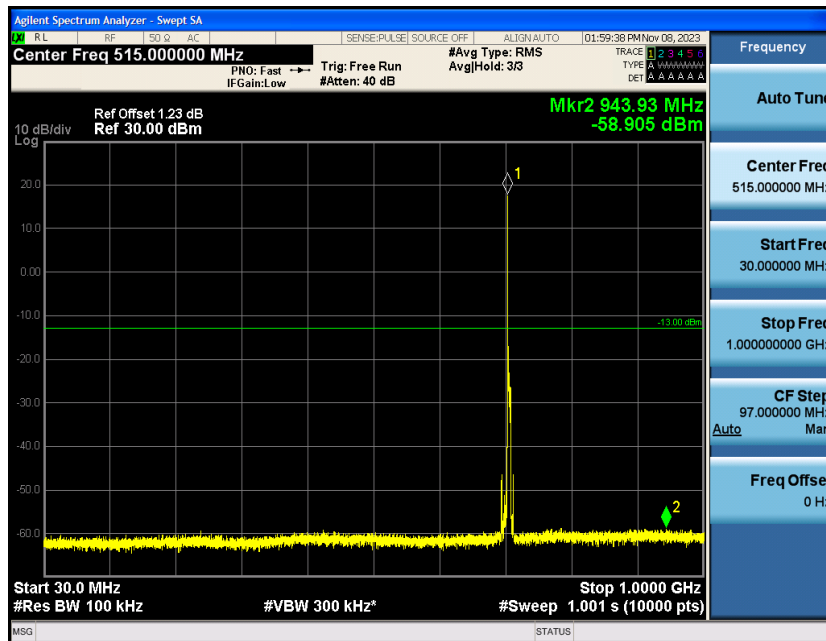
Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



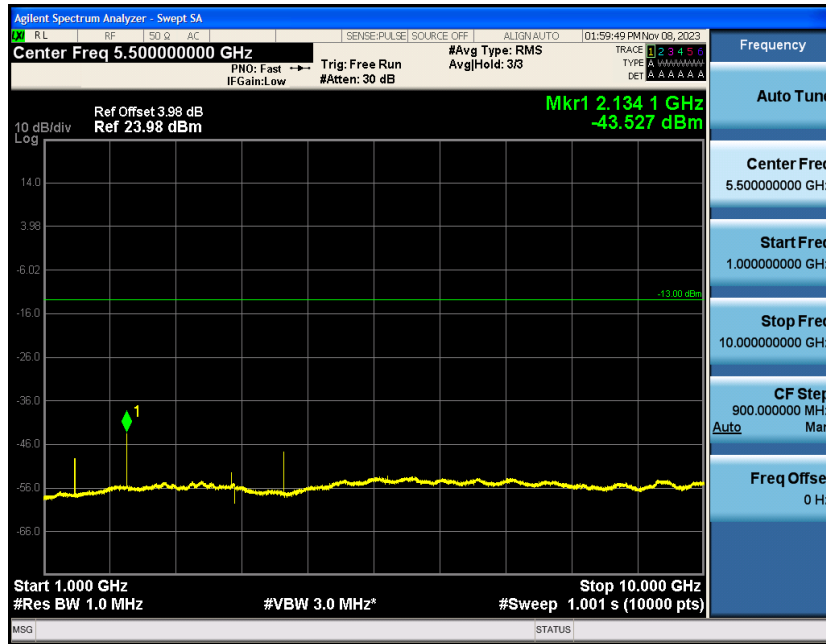
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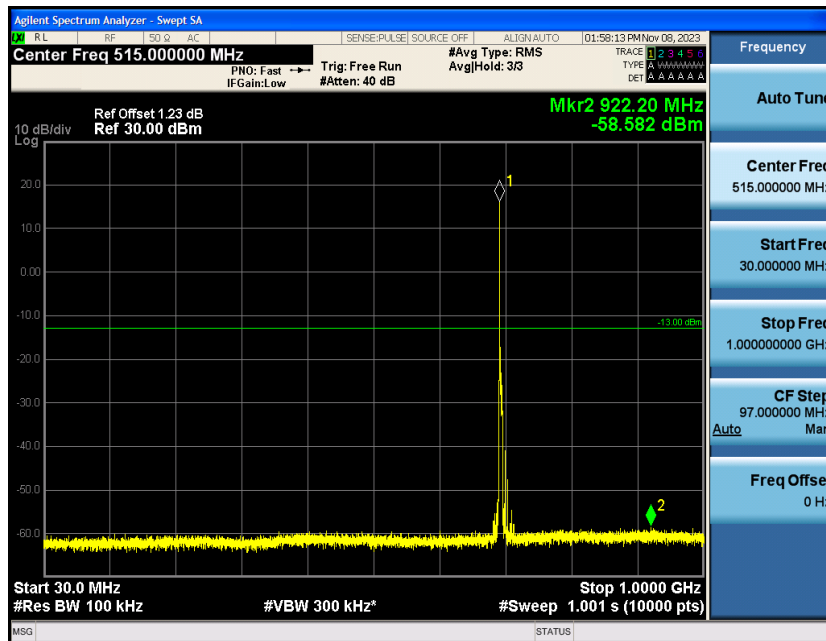
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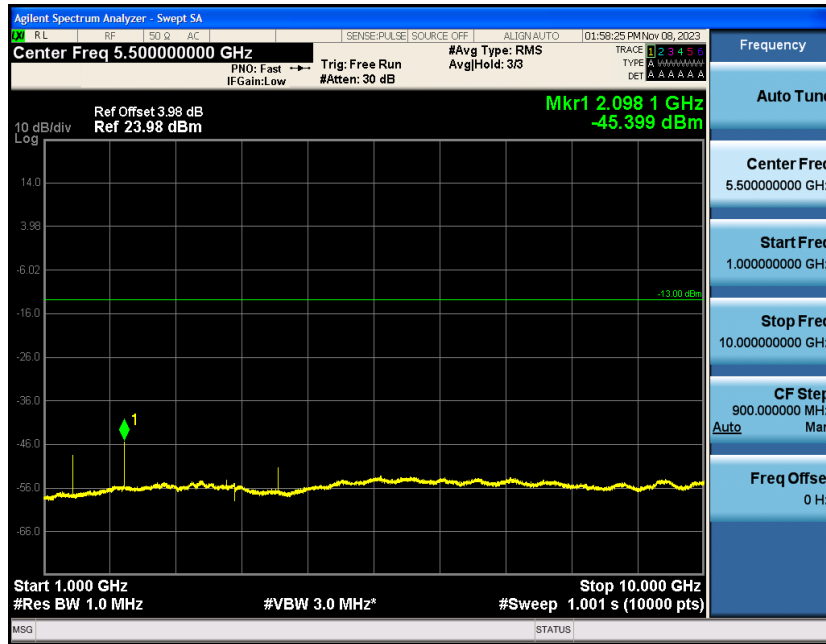
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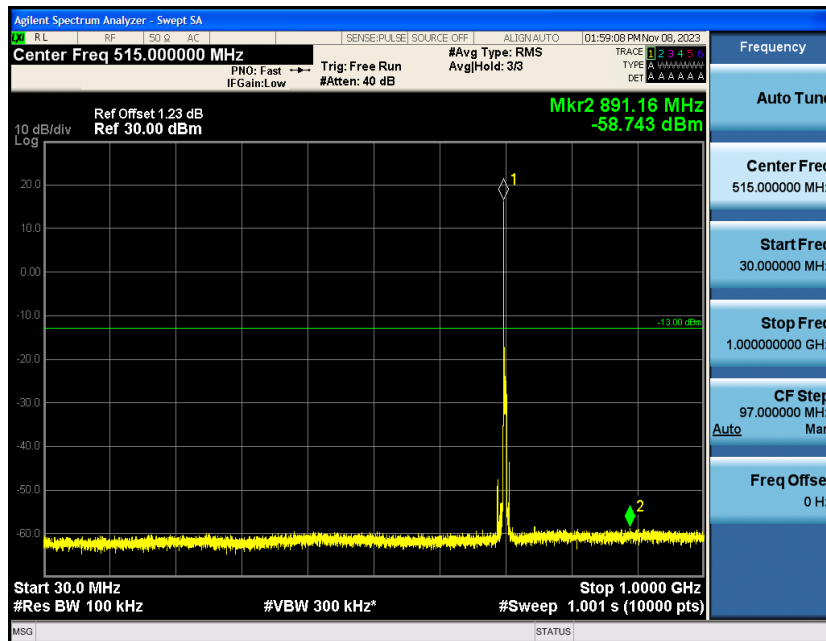
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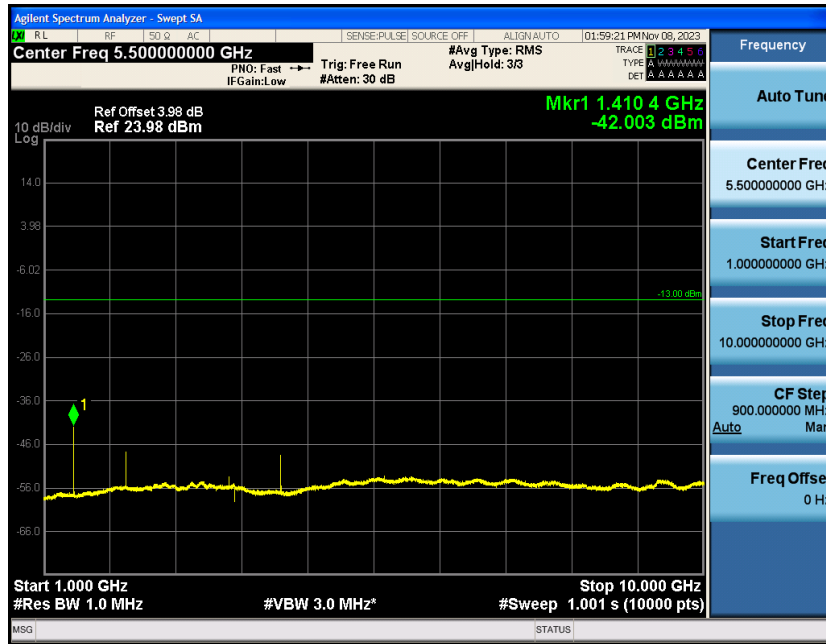
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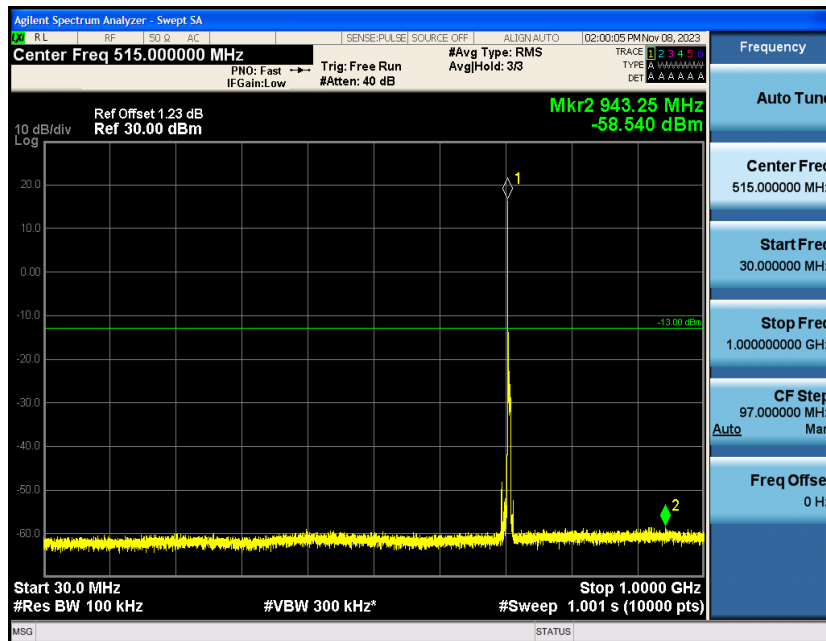
Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



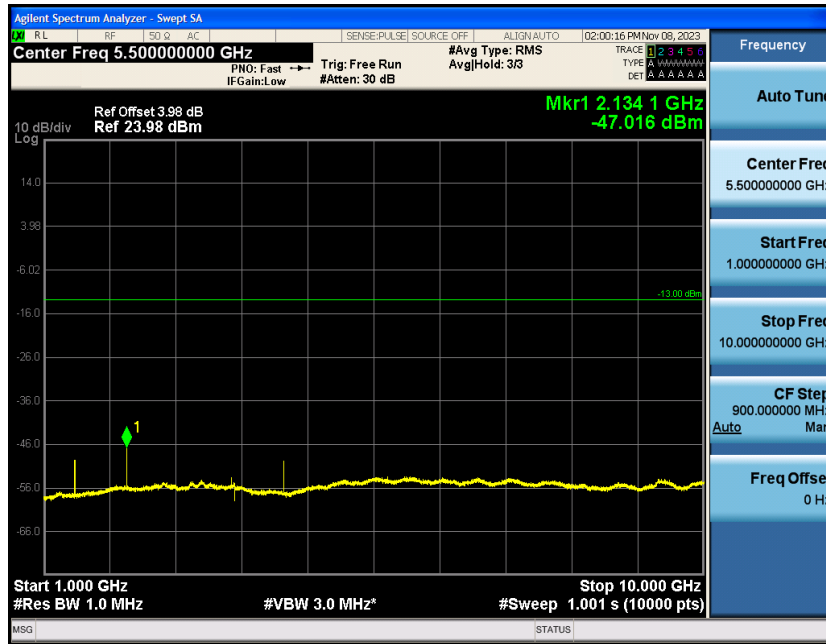
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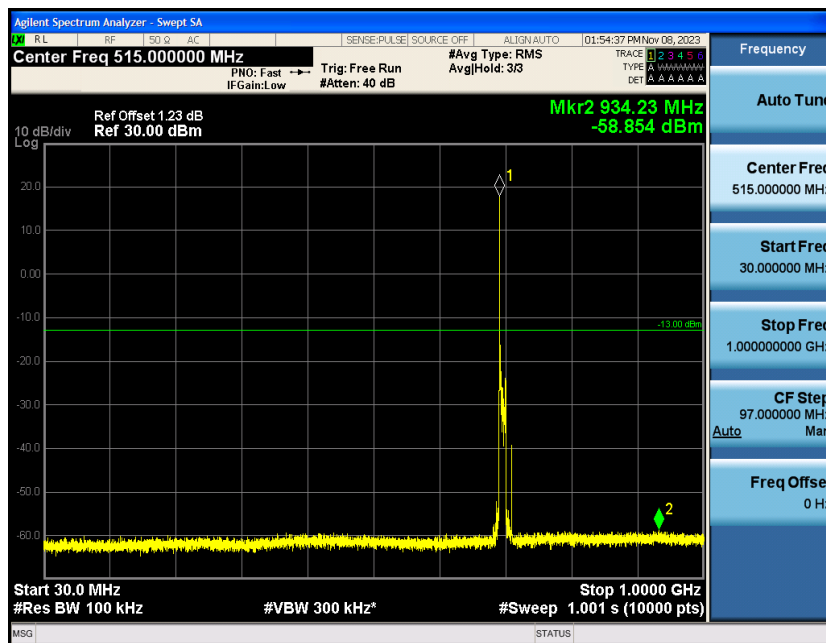
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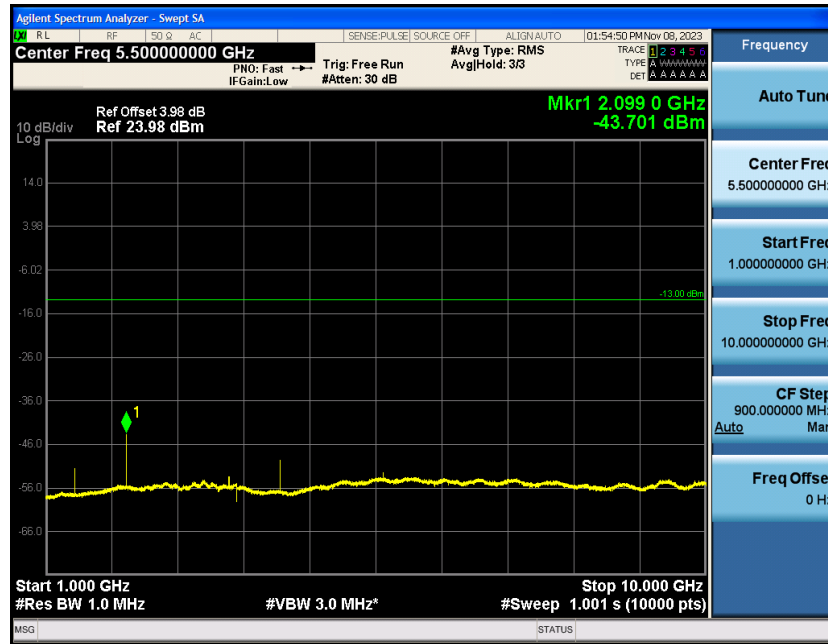
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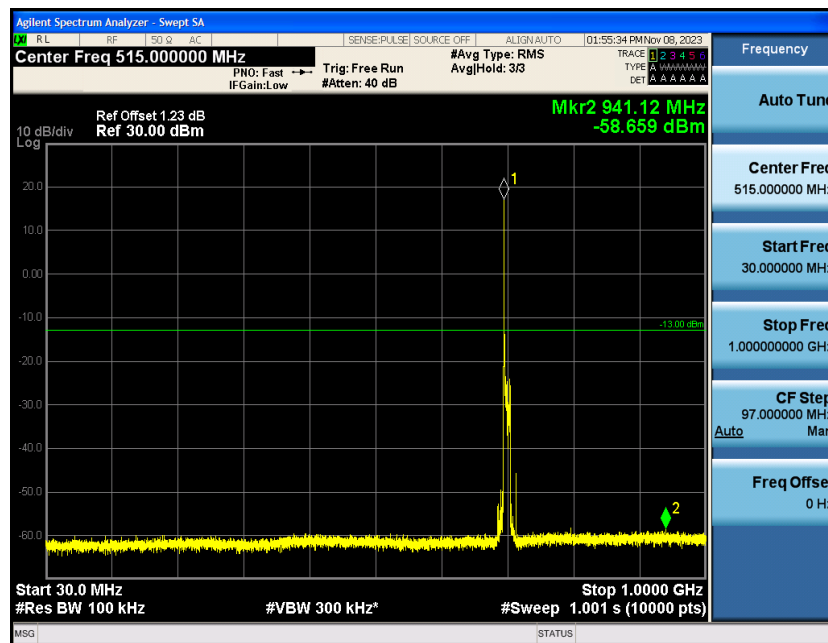
Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



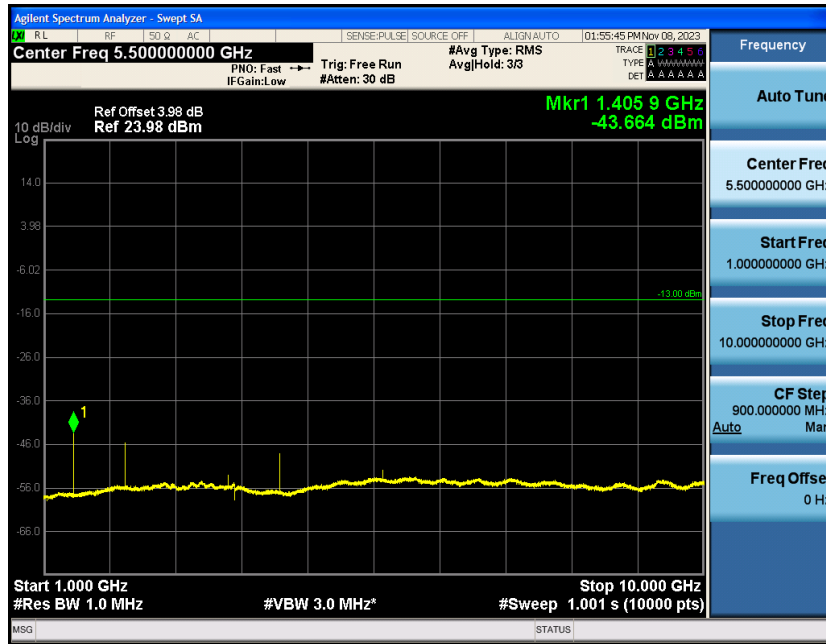
Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



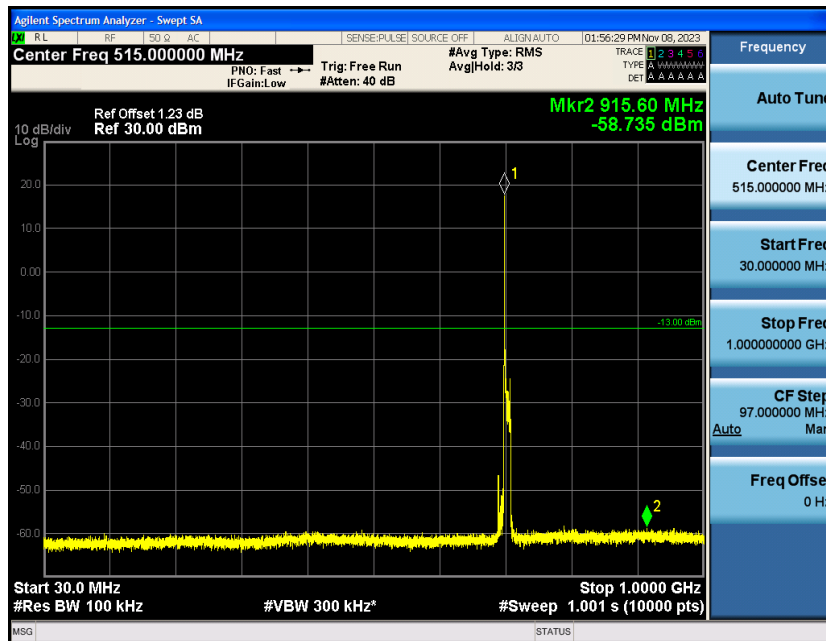
Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



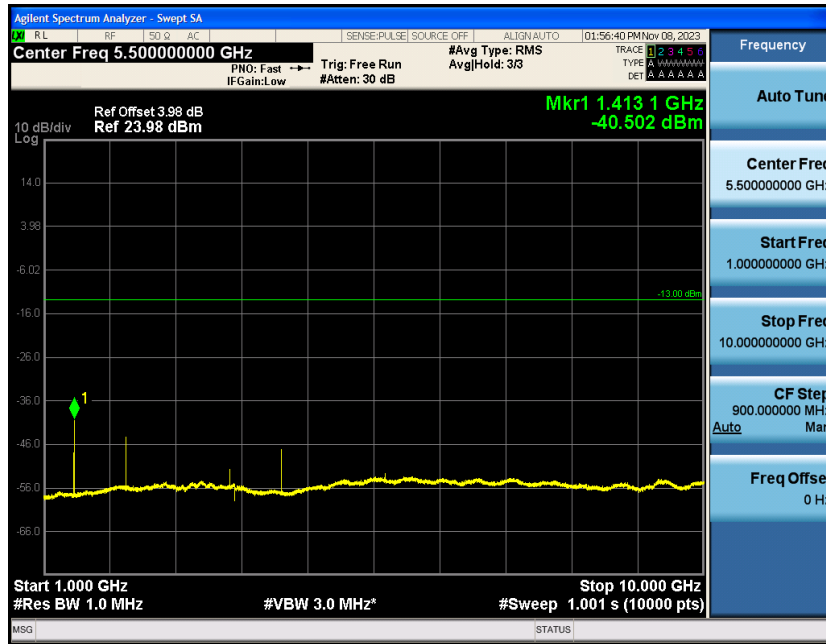
Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



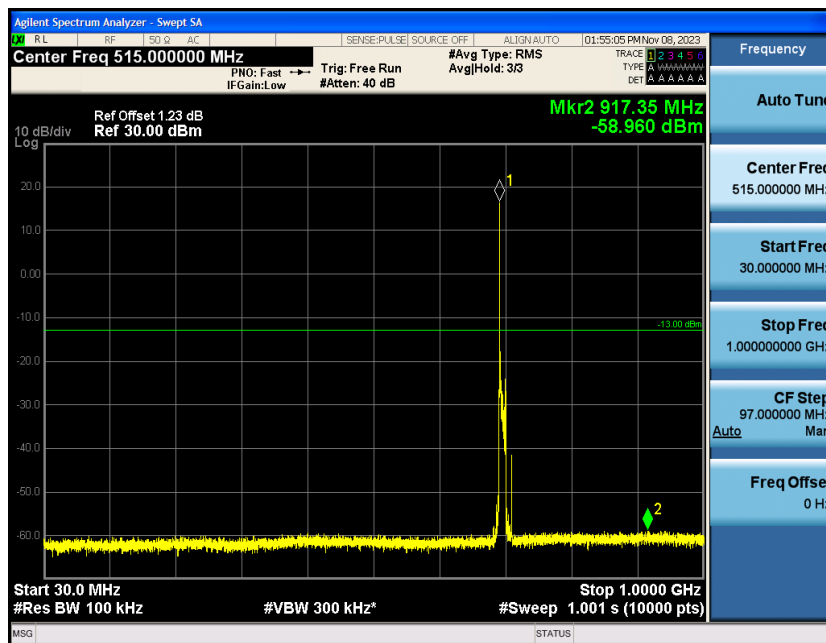
Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



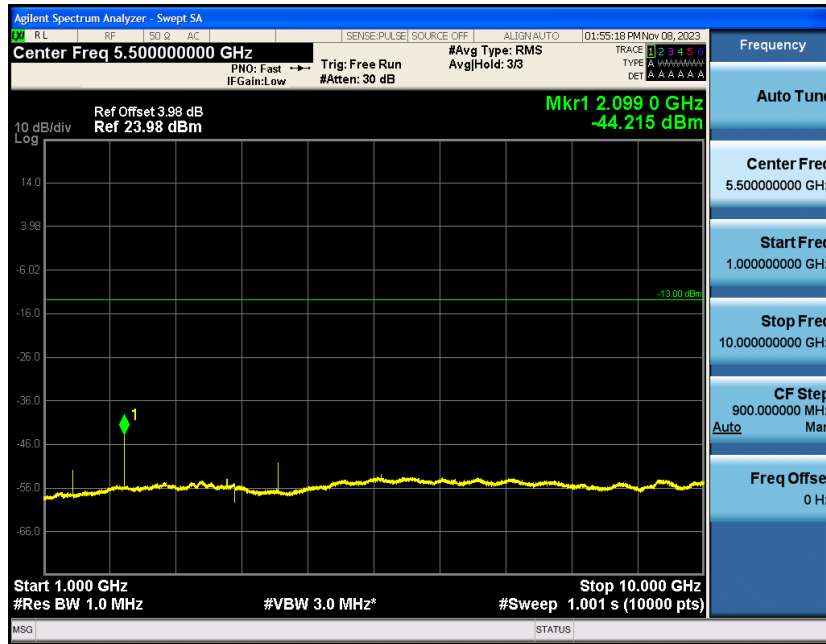
Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



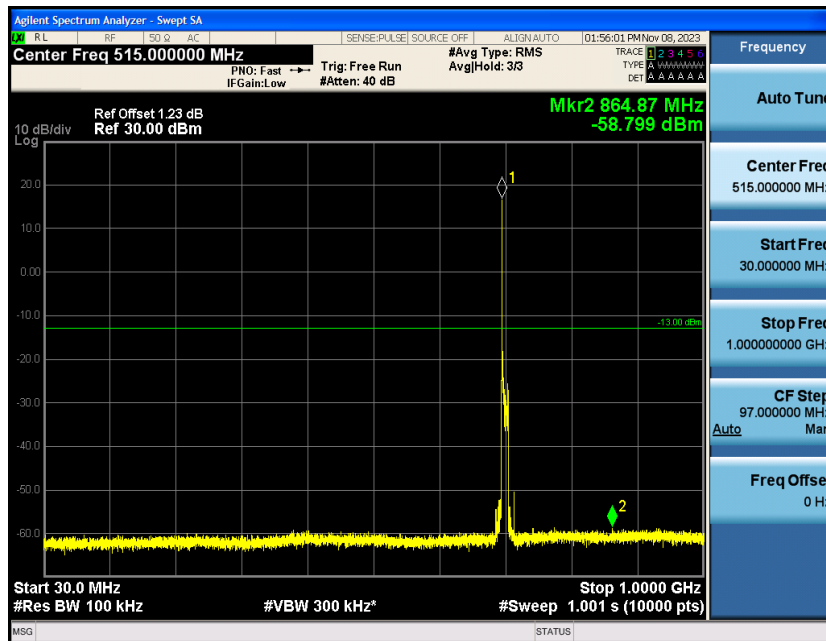
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



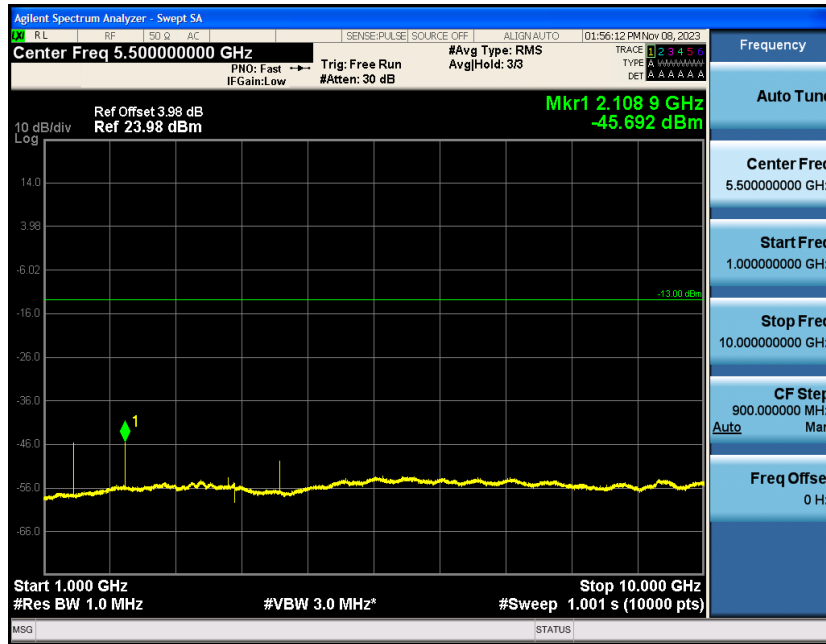
Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



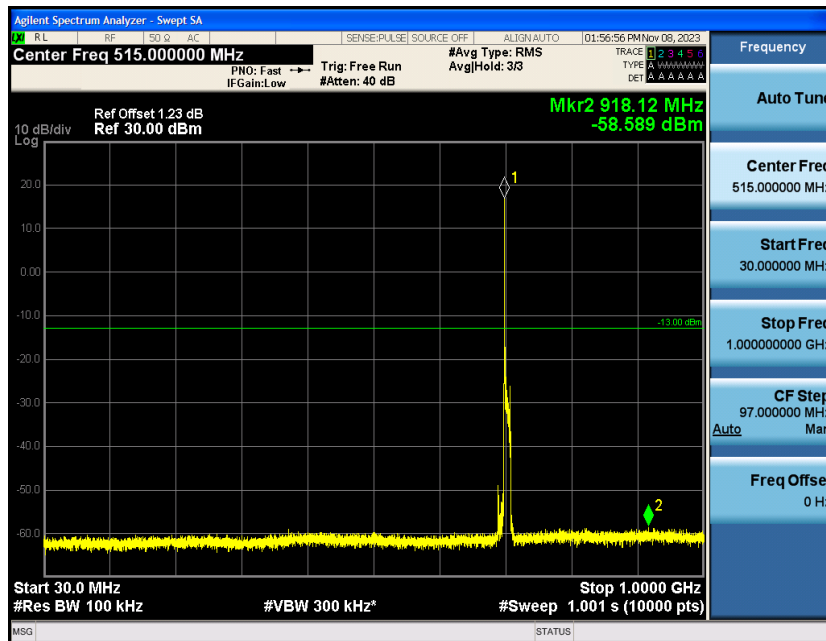
Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



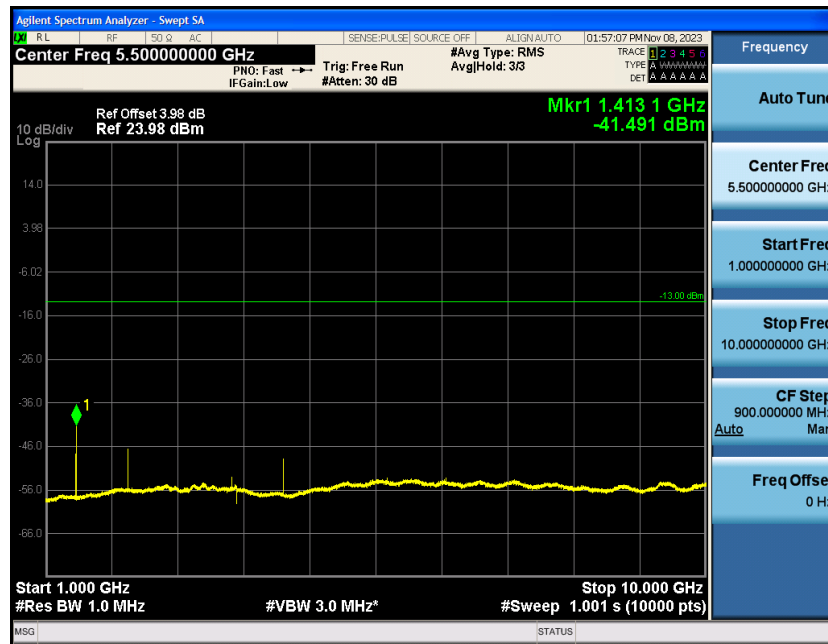
Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	-5.80	-0.008288	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-6.78	-0.009692	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	-8.88	-0.012696	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-14.38	-0.020319	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	-9.56	-0.013517	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	-12.00	-0.016967	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	-7.58	-0.010604	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	-12.55	-0.017540	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	-13.41	-0.018741	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	-34.88	-0.049857	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	-33.75	-0.048228	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	-41.50	-0.059310	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	1.93	0.002724	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	2.86	0.004044	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	3.16	0.004463	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	-23.89	-0.033393	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	-24.54	-0.034302	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	-27.05	-0.037822	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	-19.62	-0.028009	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	-9.13	-0.013039	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	-22.71	-0.032425	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	-3.30	-0.004660	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	-7.03	-0.009943	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	-15.69	-0.022173	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	-4.70	-0.006582	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	-8.57	-0.011998	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	-13.57	-0.018988	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VL	NT	-38.32	-0.054700	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VN	NT	-29.79	-0.042532	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VH	NT	-32.68	-0.046653	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	-36.60	-0.051726	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	-32.51	-0.045954	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VH	NT	-28.41	-0.040155	±2.5	PASS

Band12	3MHz	16QAM	23165	15RB#0	VL	NT	-15.91	-0.022270	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VN	NT	-11.20	-0.015682	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VH	NT	-16.32	-0.022838	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VL	NT	-33.63	-0.047936	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VN	NT	-16.95	-0.024159	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VH	NT	-48.54	-0.069199	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	-9.98	-0.014107	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-7.24	-0.010230	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	-11.35	-0.016042	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VL	NT	3.19	0.004465	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VN	NT	-1.75	-0.002450	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VH	NT	3.09	0.004324	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VL	NT	-7.22	-0.010294	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VN	NT	-60.61	-0.086406	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VH	NT	-10.46	-0.014912	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VL	NT	13.39	0.018930	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VN	NT	11.73	0.016584	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VH	NT	16.26	0.022976	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VL	NT	33.76	0.047314	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VN	NT	32.51	0.045562	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VH	NT	37.02	0.051887	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-5.46	-0.007752	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-15.96	-0.022666	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-6.96	-0.009889	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-14.30	-0.020219	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-9.00	-0.012716	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-9.94	-0.014056	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	5.49	0.007717	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-3.08	-0.004336	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	3.61	0.005077	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-24.11	-0.034244	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-15.29	-0.021717	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-31.99	-0.045436	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	4.02	0.005684	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-13.47	-0.019043	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-11.43	-0.016156	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	12.14	0.017079	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	12.70	0.017859	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	2.58	0.003635	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-15.16	-0.021666	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-23.25	-0.033224	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-25.98	-0.037135	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-28.40	-0.040593	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-27.86	-0.039822	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	-4.77	-0.006749	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-9.99	-0.014117	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-5.88	-0.008312	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-5.73	-0.008099	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-4.69	-0.006632	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-11.23	-0.015703	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-6.49	-0.009077	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-9.12	-0.012753	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	-25.26	-0.035307	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-23.73	-0.033178	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-44.66	-0.063822	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-41.26	-0.058974	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-3.15	-0.004503	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-11.61	-0.016593	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-10.31	-0.014728	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	3.32	0.004697	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	1.05	0.001486	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-4.10	-0.005792	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-11.48	-0.016231	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-7.34	-0.010381	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	-19.24	-0.026895	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	-25.55	-0.035724	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-42.84	-0.059887	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	-50.84	-0.071071	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-39.68	-0.055470	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	-34.02	-0.048562	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	-35.53	-0.050722	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	-51.18	-0.073059	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-3.12	-0.004455	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	-29.05	-0.041473	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	-6.59	-0.009308	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	-7.17	-0.010141	±2.5	PASS

Band12	3MHz	QPSK	23095	15RB#0	NV	0	-29.20	-0.041275	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	-34.56	-0.048847	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	-36.11	-0.051034	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-30	-7.03	-0.009838	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	-7.02	-0.009819	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	-8.01	-0.011207	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	-4.46	-0.006248	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	-11.25	-0.015746	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	-37.43	-0.053436	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	-39.85	-0.056887	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	-44.04	-0.062868	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-45.58	-0.065062	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	-49.50	-0.070668	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-30	-32.88	-0.046478	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	-28.60	-0.040428	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	-26.99	-0.038146	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-29.64	-0.041900	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-20.90	-0.029538	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	-14.56	-0.020379	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	-14.21	-0.019894	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	-9.22	-0.012910	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	-14.12	-0.019764	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	-8.67	-0.012141	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	-16.49	-0.023501	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	-22.86	-0.032583	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	-35.63	-0.050791	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	-43.90	-0.062577	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	-53.89	-0.076817	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	-1.38	-0.001955	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	-5.82	-0.008222	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	-1.82	-0.002578	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	2.54	0.003596	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	-1.14	-0.001606	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	14.92	0.020908	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	12.66	0.017747	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	12.00	0.016822	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	11.98	0.016787	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	23.27	0.032619	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-30	-15.37	-0.021907	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	-14.42	-0.020550	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	-19.66	-0.028026	±2.5	PASS

Band12	5MHz	16QAM	23035	25RB#0	NV	10	-12.59	-0.017947	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	-18.54	-0.026433	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	19.95	0.028194	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	23.66	0.033447	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	35.41	0.050049	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	44.55	0.062974	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	0.06	0.000090	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	-4.83	-0.006775	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	2.93	0.004110	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	15.49	0.021704	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	16.84	0.023603	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	21.91	0.030707	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-11.10	-0.015765	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-16.09	-0.022850	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-14.01	-0.019901	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-17.55	-0.024930	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-19.74	-0.028038	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-0.03	-0.000042	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-8.41	-0.011893	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-3.37	-0.004760	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-0.18	-0.000251	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-3.08	-0.004359	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	9.08	0.012771	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	11.99	0.016858	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	10.59	0.014900	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	12.12	0.017050	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	7.65	0.010753	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-31.26	-0.044410	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-28.08	-0.039887	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-25.64	-0.036422	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-22.80	-0.032393	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-24.97	-0.035467	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-7.36	-0.010403	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-0.94	-0.001326	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	5.74	0.008107	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	5.68	0.008035	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	6.30	0.008911	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	10.84	0.015250	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	13.24	0.018621	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	9.88	0.013893	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	14.22	0.019997	±2.5	PASS



Band12	10MHz	16QAM	23130	50RB#0	NV	20	21.34	0.030021	±2.5	PASS
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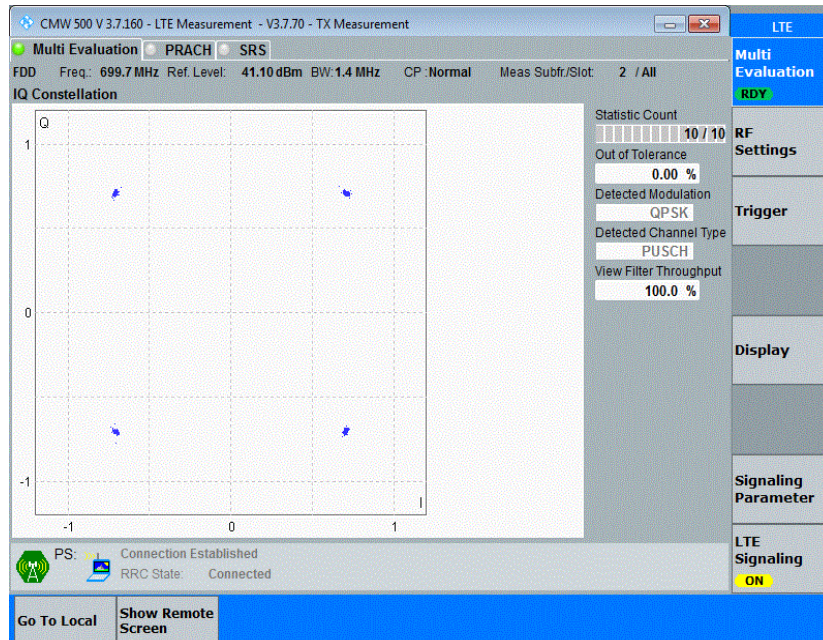
Appendix G: Modulation Characteristics

Test Result

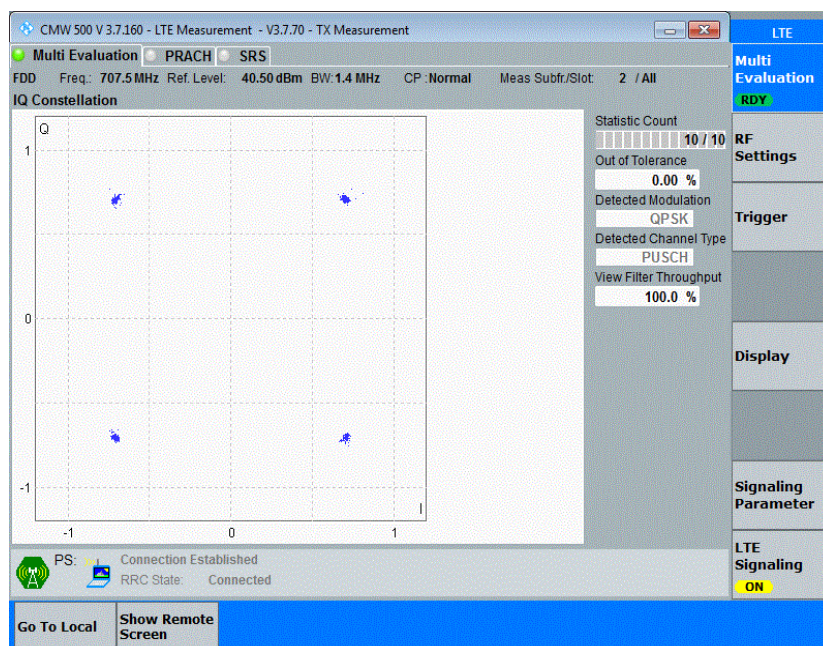
Band	Channel	Result	Verdict
Band12	23017	PASS	PASS
Band12	23095	PASS	PASS
Band12	23173	PASS	PASS
Band12	23017	PASS	PASS
Band12	23095	PASS	PASS
Band12	23173	PASS	PASS
Band12	23025	PASS	PASS
Band12	23095	PASS	PASS
Band12	23165	PASS	PASS
Band12	23025	PASS	PASS
Band12	23095	PASS	PASS
Band12	23165	PASS	PASS
Band12	23035	PASS	PASS
Band12	23095	PASS	PASS
Band12	23155	PASS	PASS
Band12	23035	PASS	PASS
Band12	23095	PASS	PASS
Band12	23155	PASS	PASS
Band12	23060	PASS	PASS
Band12	23095	PASS	PASS
Band12	23130	PASS	PASS
Band12	23060	PASS	PASS
Band12	23095	PASS	PASS
Band12	23130	PASS	PASS

Test Graphs

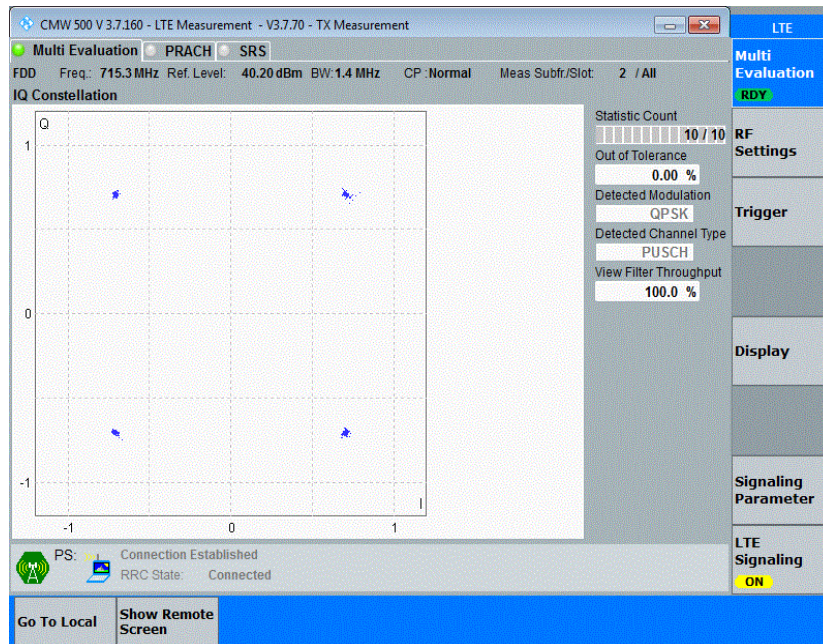
Band12-1.4MHz-QPSK-23017-6RB#0



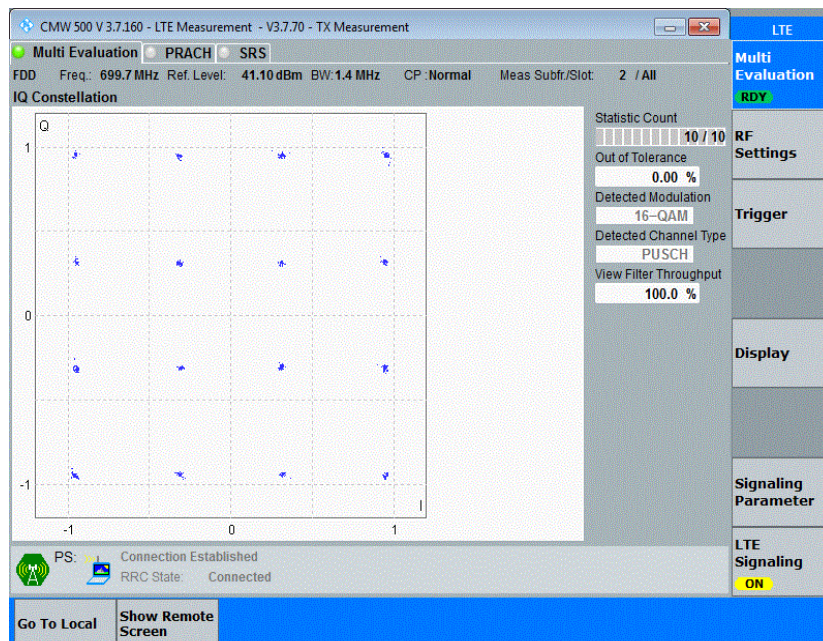
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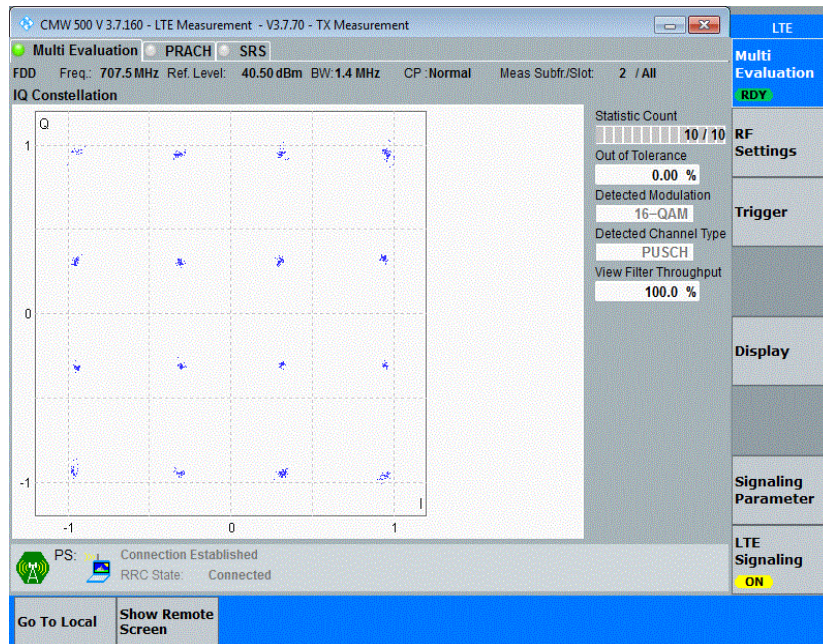
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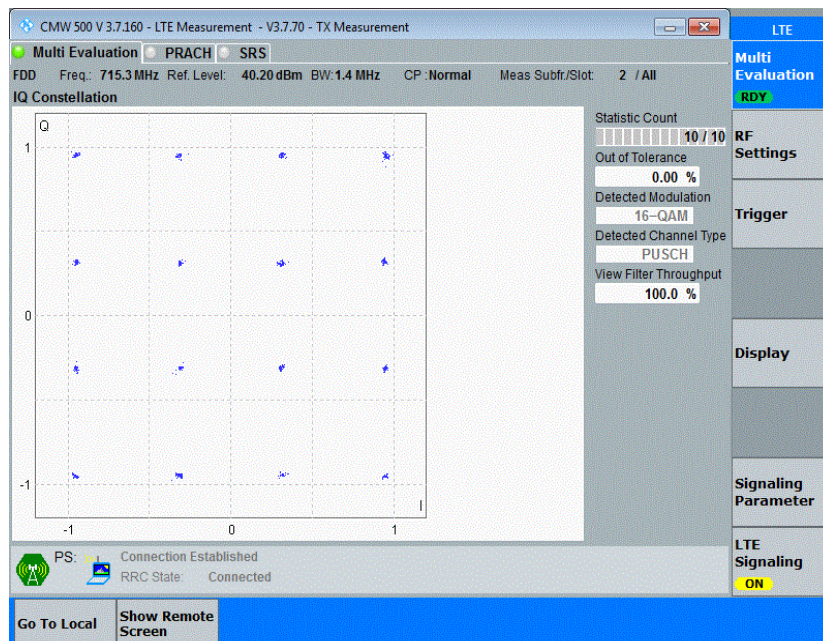
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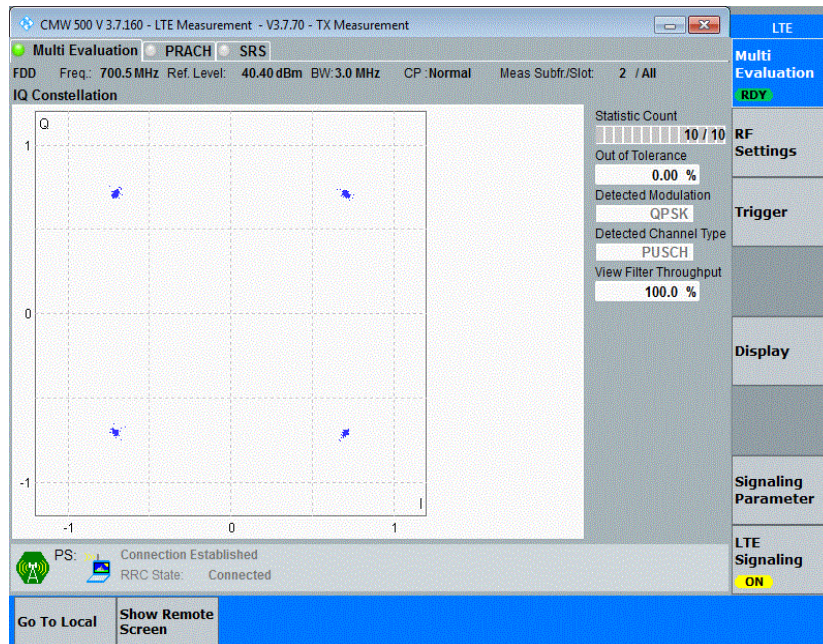
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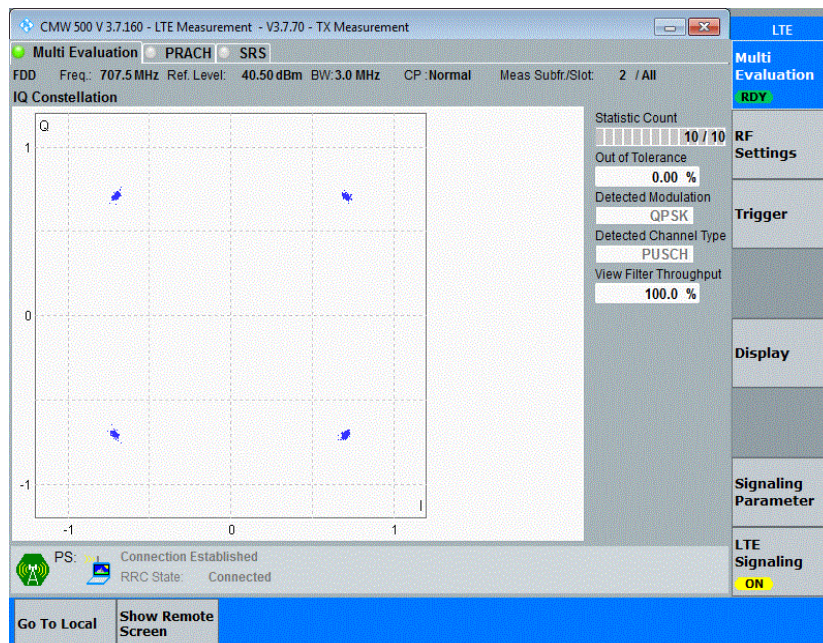
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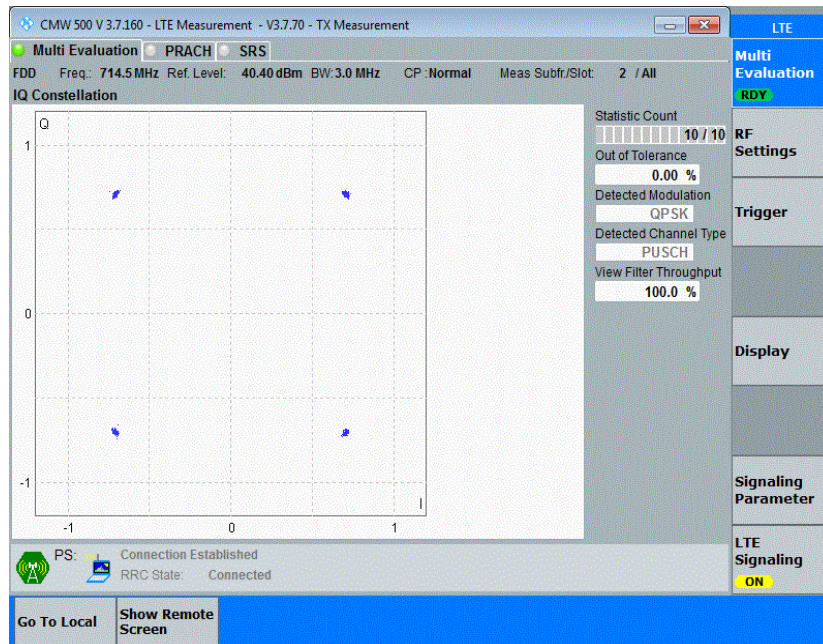
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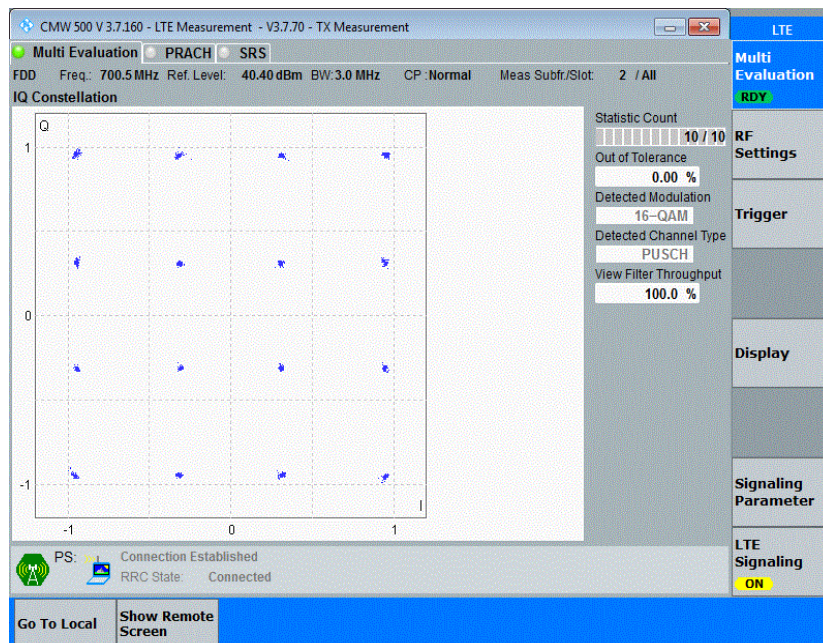
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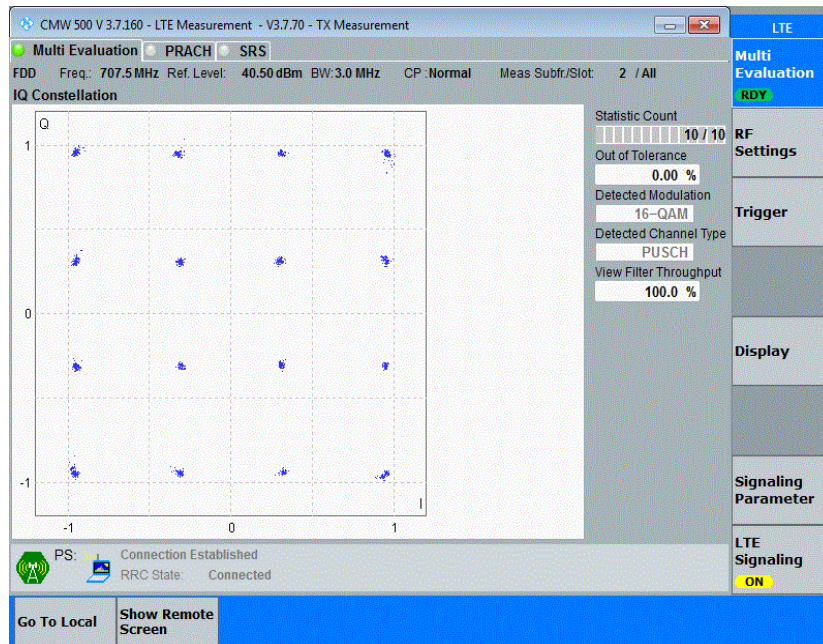
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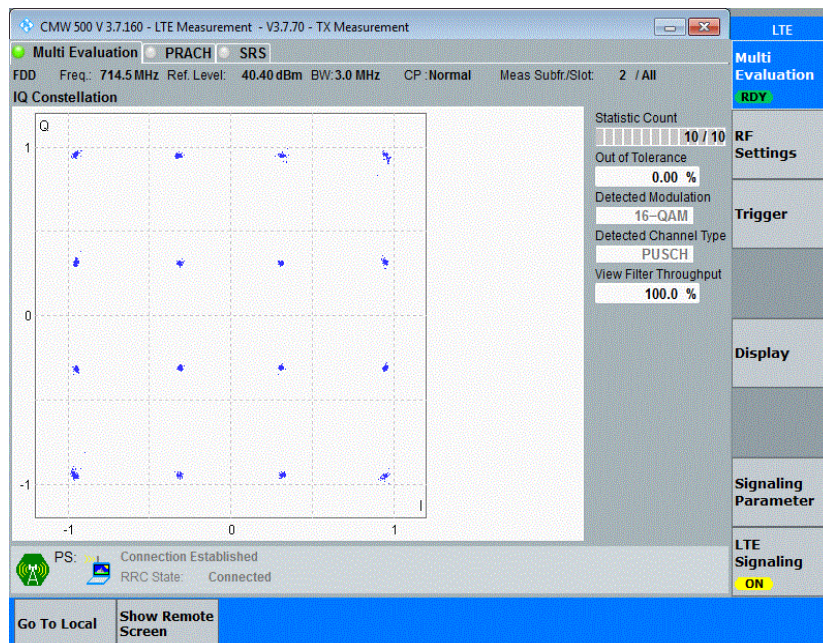
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Band12-3MHz-16QAM-23095-15RB#0



Band12-3MHz-16QAM-23165-15RB#0



Band12-5MHz-QPSK-23035-25RB#0