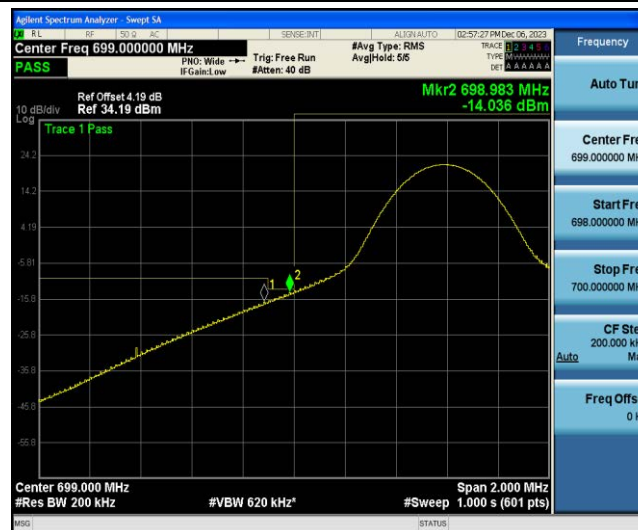




Band12-10MHz-QPSK-23060-1RB#0



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



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



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



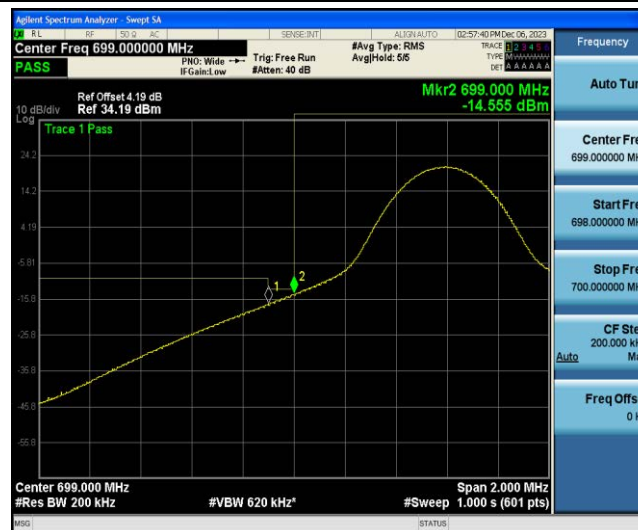
Band12-10MHz-QPSK-23130-1RB#49



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

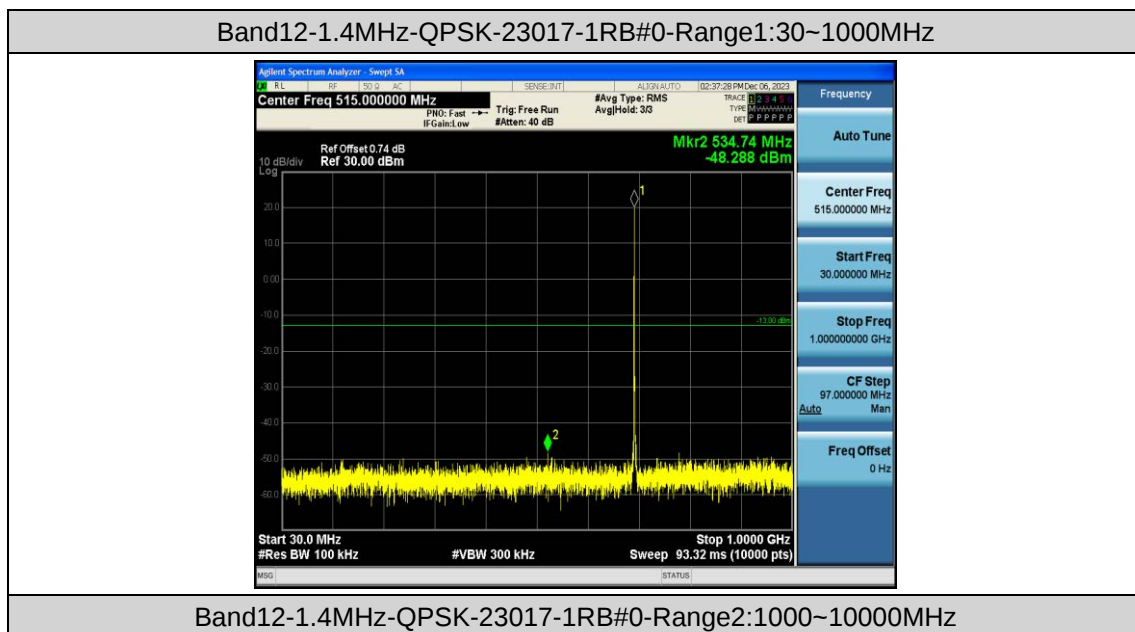
Test Result

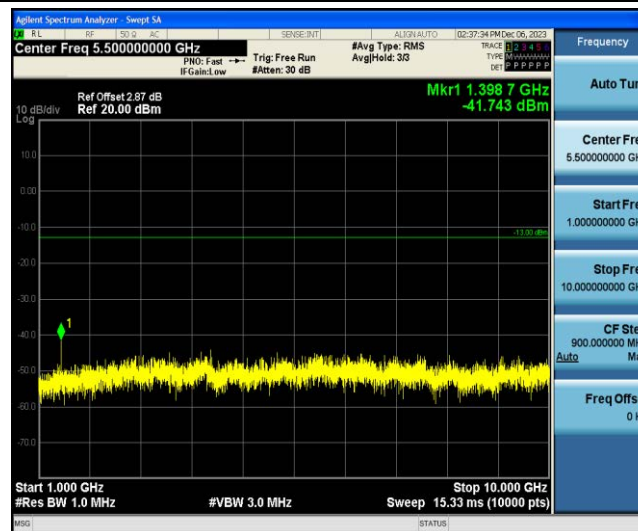
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band1 2	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-48.29	PASS
Band1 2	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-41.74	PASS
Band1 2	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-48.34	PASS
Band1 2	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-44.11	PASS
Band1 2	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-49.56	PASS
Band1 2	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-44.23	PASS
Band1 2	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-48.93	PASS
Band1 2	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-44.31	PASS
Band1 2	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-48.63	PASS
Band1 2	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-43.77	PASS
Band1 2	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-47.48	PASS
Band1 2	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-42.32	PASS
Band1 2	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-49.71	PASS
Band1 2	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-42.6	PASS
Band1 2	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-49.03	PASS
Band1 2	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-43.51	PASS
Band1 2	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-49.37	PASS
Band1 2	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-42.0	PASS

2					Hz	5	S
Band1 2	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-49.7 8	PAS S
Band1 2	3MHz	16QAM	23025	1RB#0	Range2:1000~10000M Hz	-44.2 8	PAS S
Band1 2	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-49.6 9	PAS S
Band1 2	3MHz	16QAM	23095	1RB#0	Range2:1000~10000M Hz	-42.3 8	PAS S
Band1 2	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-49.2 4	PAS S
Band1 2	3MHz	16QAM	23165	1RB#0	Range2:1000~10000M Hz	-42.5 2	PAS S
Band1 2	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-49.8 9	PAS S
Band1 2	5MHz	QPSK	23035	1RB#0	Range2:1000~10000M Hz	-44.1 3	PAS S
Band1 2	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-49.5 3	PAS S
Band1 2	5MHz	QPSK	23095	1RB#0	Range2:1000~10000M Hz	-43.5	PAS S
Band1 2	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-49.0 5	PAS S
Band1 2	5MHz	QPSK	23155	1RB#0	Range2:1000~10000M Hz	-40.8 2	PAS S
Band1 2	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-50.0 4	PAS S
Band1 2	5MHz	16QAM	23035	1RB#0	Range2:1000~10000M Hz	-40.4 7	PAS S
Band1 2	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-49.5	PAS S
Band1 2	5MHz	16QAM	23095	1RB#0	Range2:1000~10000M Hz	-44.5 3	PAS S
Band1 2	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-49.8	PAS S
Band1 2	5MHz	16QAM	23155	1RB#0	Range2:1000~10000M Hz	-43.9 1	PAS S
Band1 2	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-48.9 4	PAS S
Band1 2	10MHz	QPSK	23060	1RB#0	Range2:1000~10000M Hz	-44.5 3	PAS S
Band1 2	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-49.8 8	PAS S

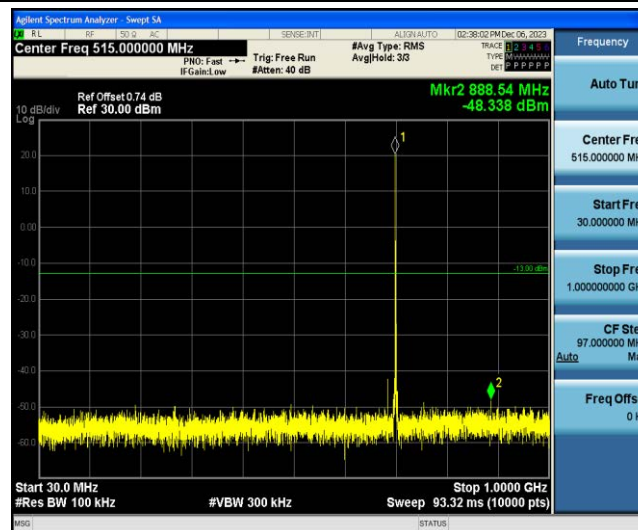
Band1 2	10MHz	QPSK	23095	1RB#0	Range2:1000~10000M Hz	-42.4 1	PAS S
Band1 2	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-50.3 4	PAS S
Band1 2	10MHz	QPSK	23130	1RB#0	Range2:1000~10000M Hz	-42.7 8	PAS S
Band1 2	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-48.9	PAS S
Band1 2	10MHz	16QAM	23060	1RB#0	Range2:1000~10000M Hz	-43.8 2	PAS S
Band1 2	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-49.1 8	PAS S
Band1 2	10MHz	16QAM	23095	1RB#0	Range2:1000~10000M Hz	-43.9 8	PAS S
Band1 2	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-48.9 9	PAS S
Band1 2	10MHz	16QAM	23130	1RB#0	Range2:1000~10000M Hz	-44.0 7	PAS S

Test Graphs

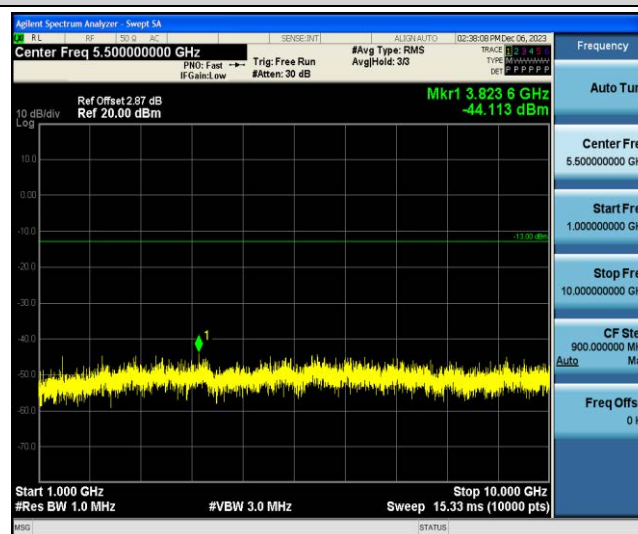




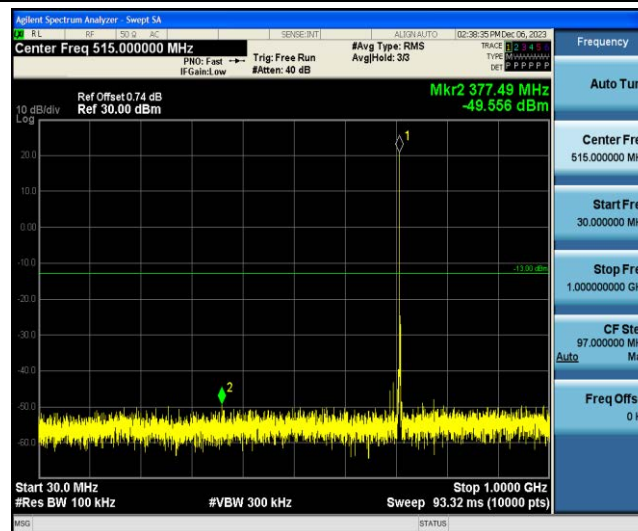
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



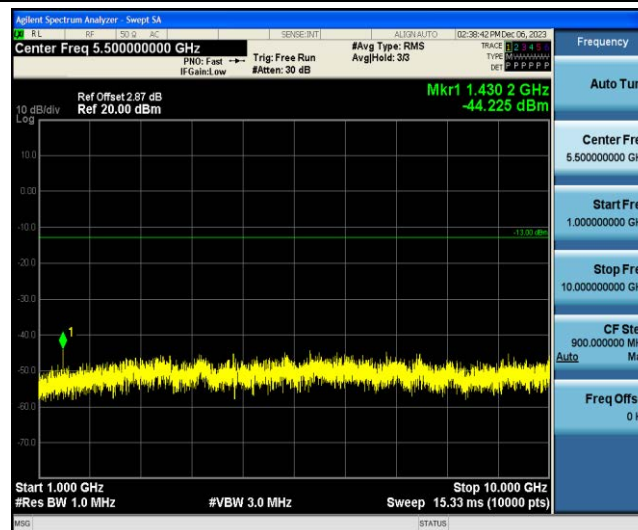
Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



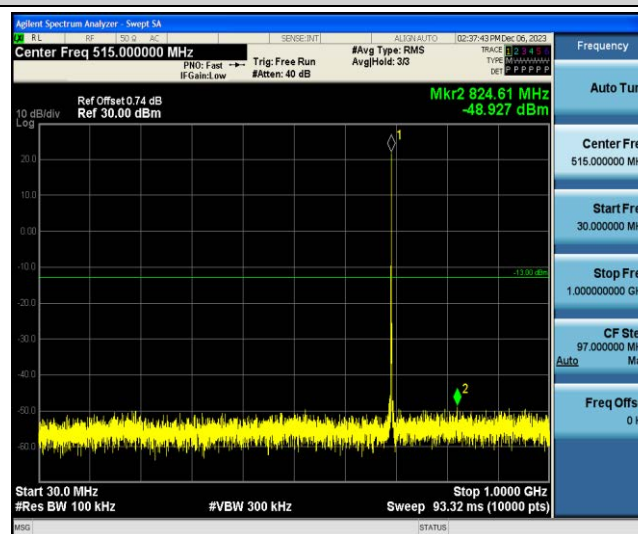
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



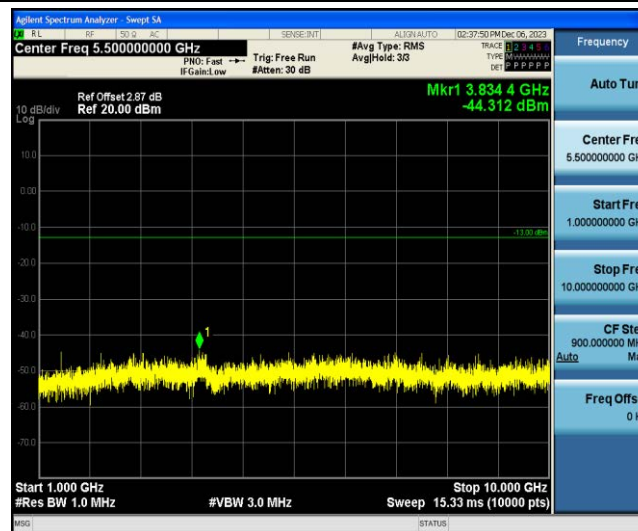
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



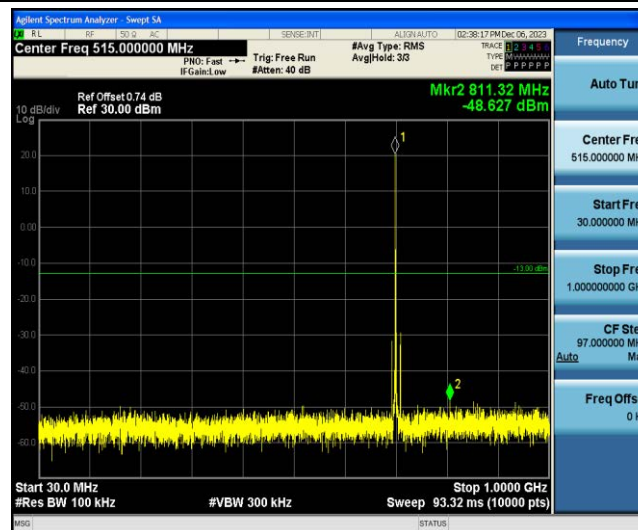
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



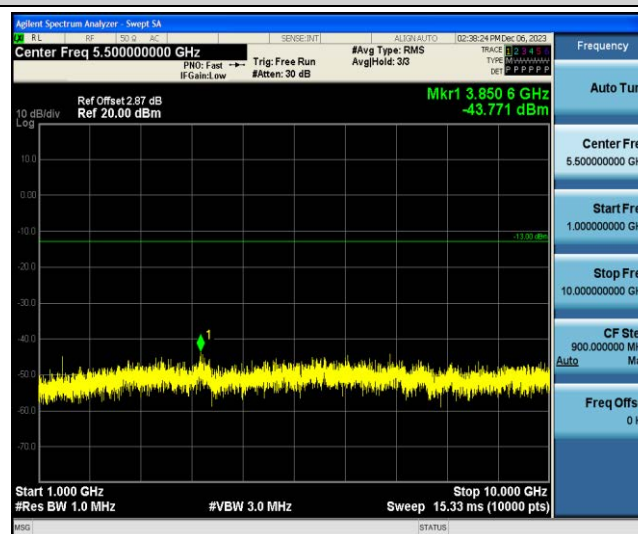
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



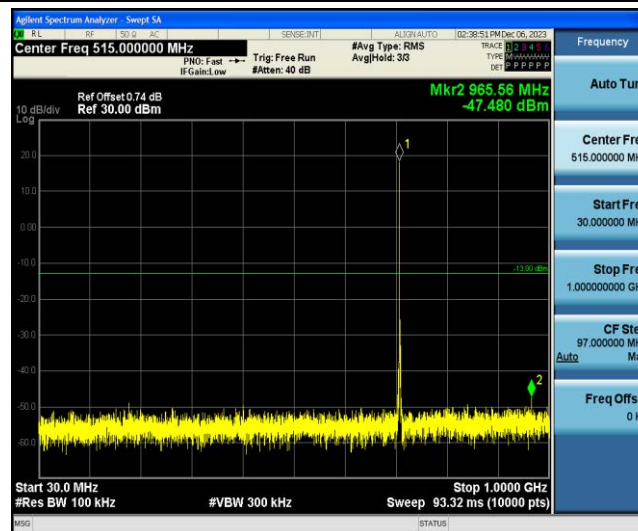
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



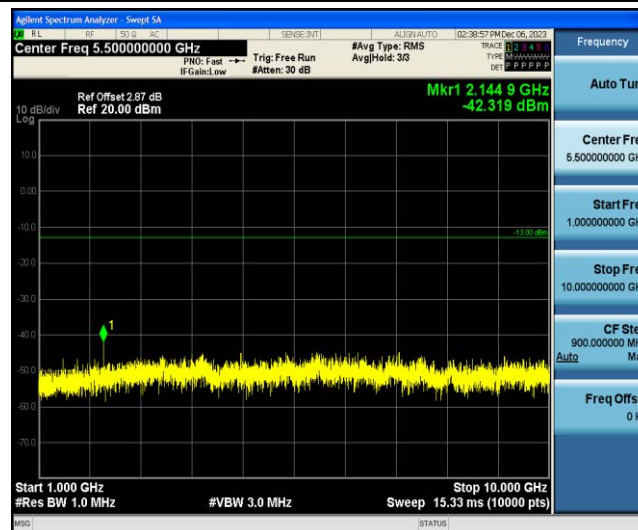
Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



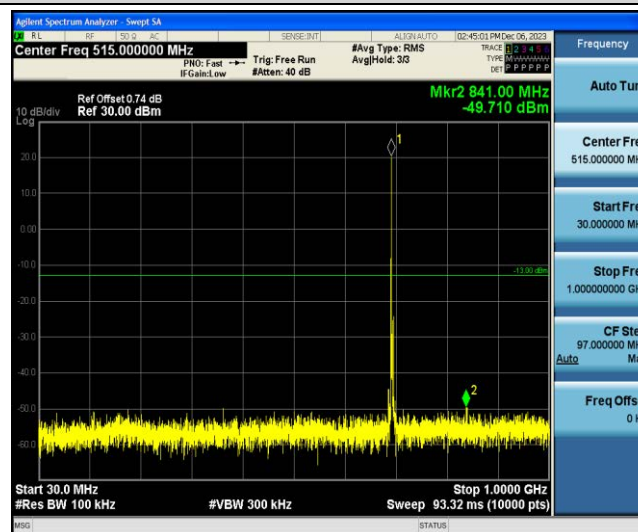
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



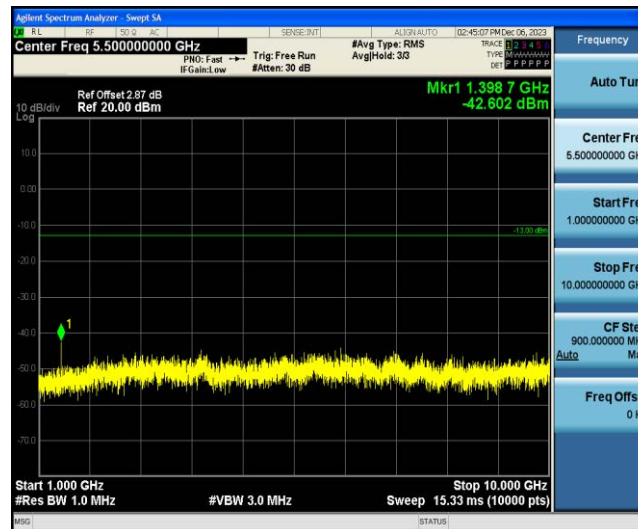
Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



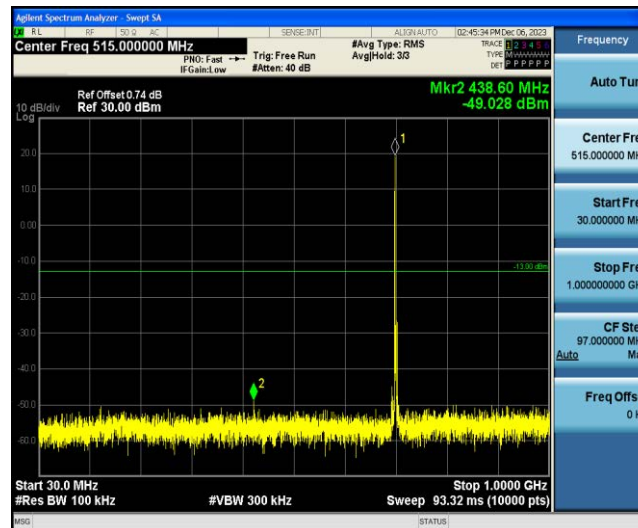
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



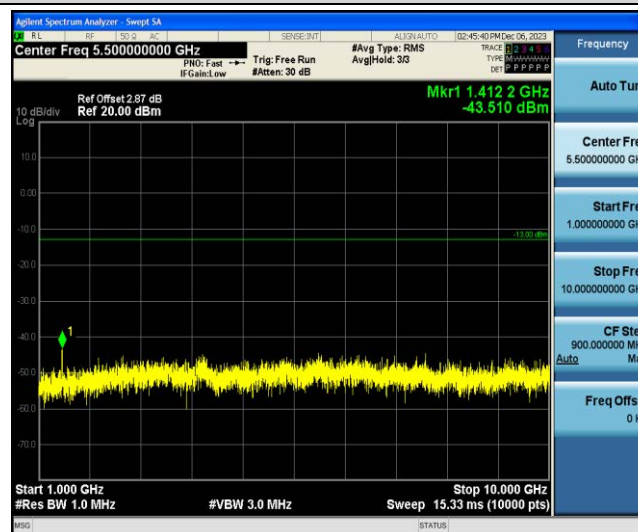
Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



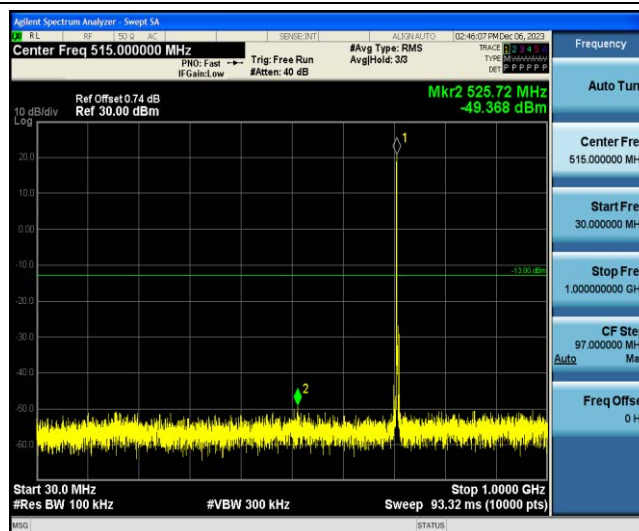
Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



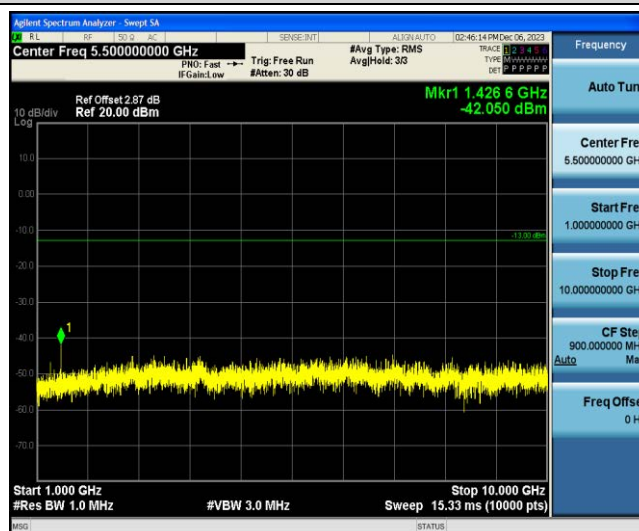
Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



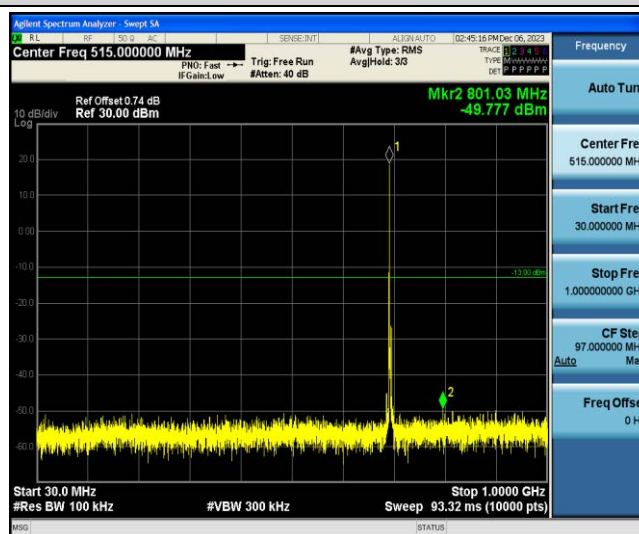
Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



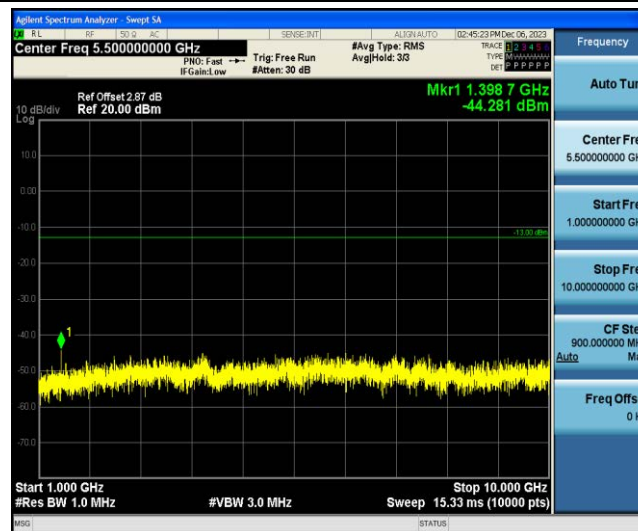
Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



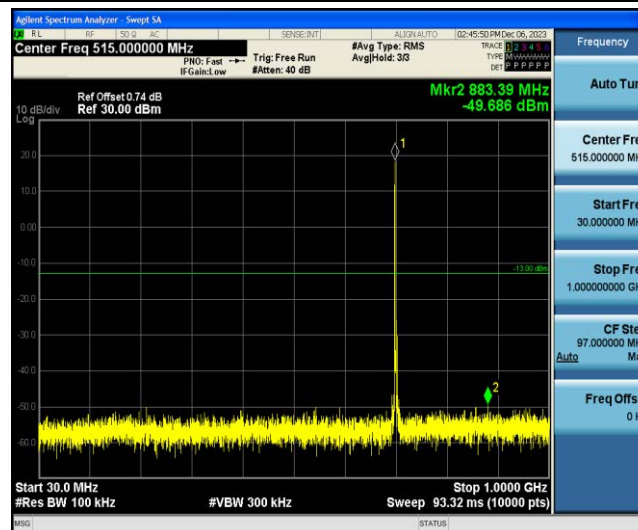
Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



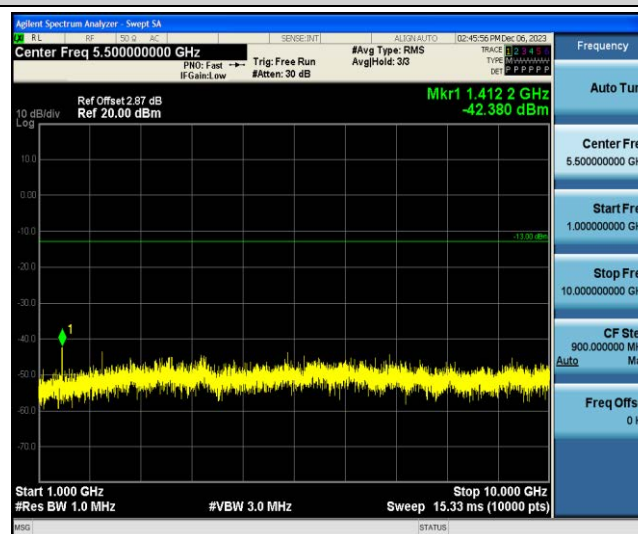
Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



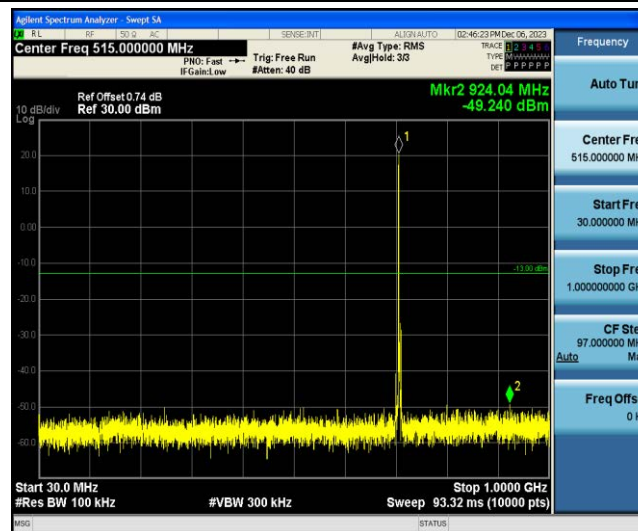
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



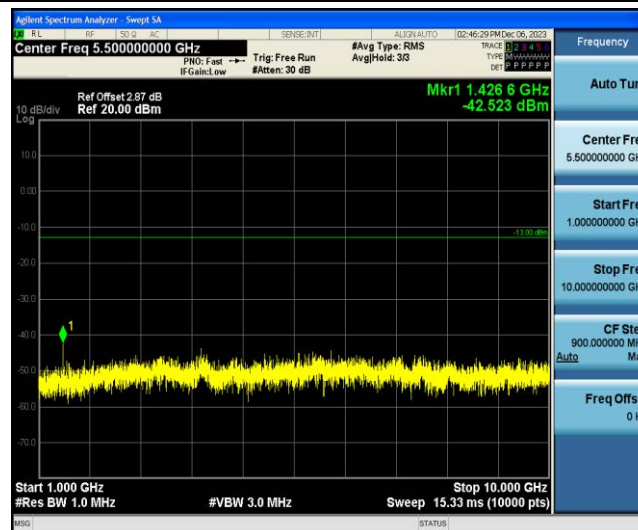
Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



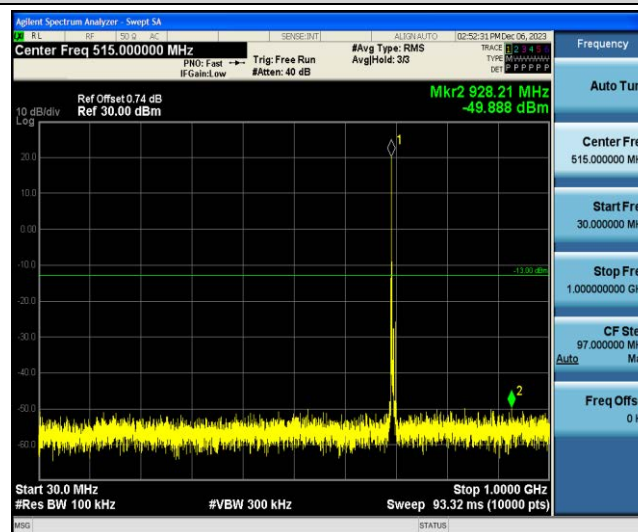
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



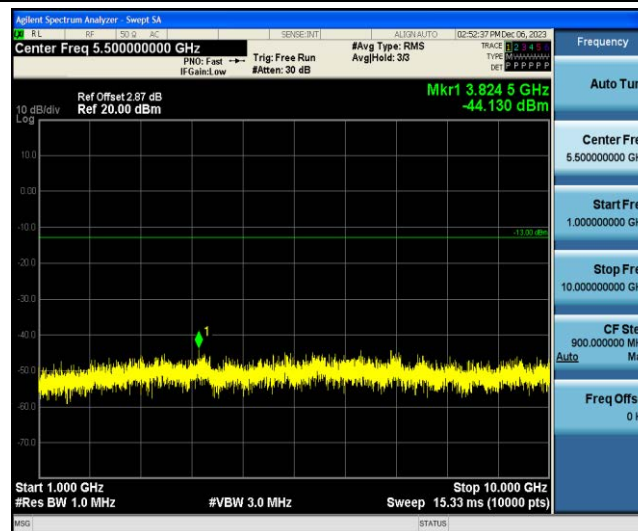
Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



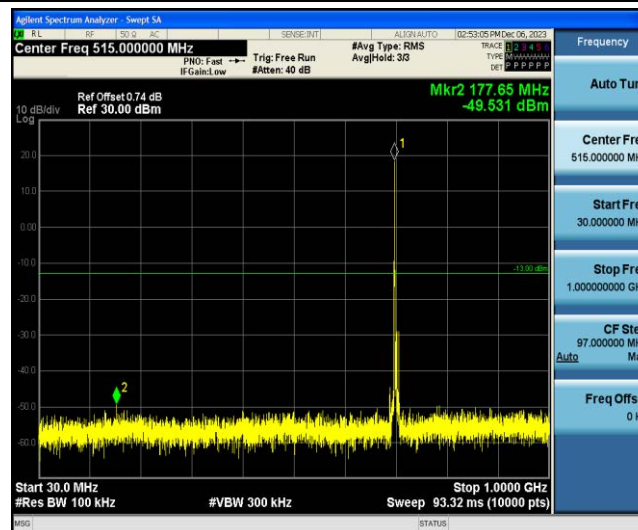
Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



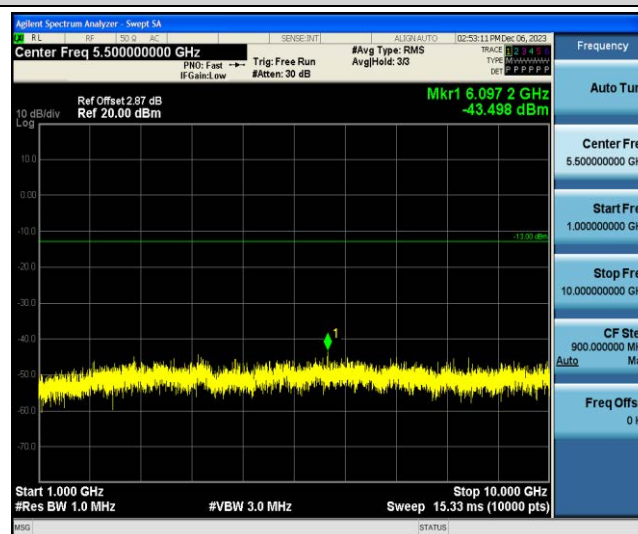
Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



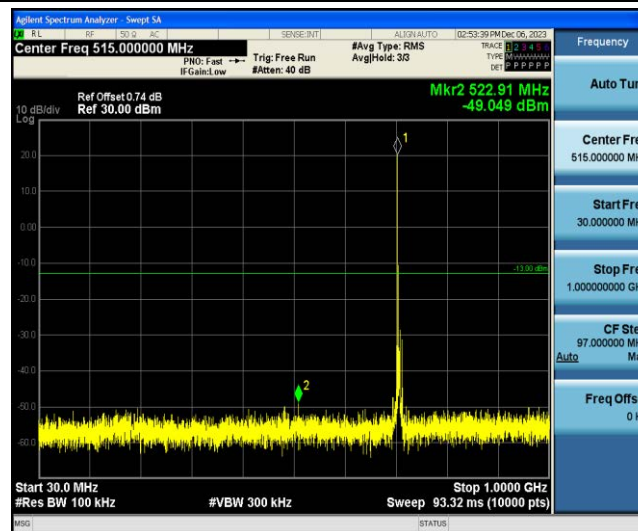
Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



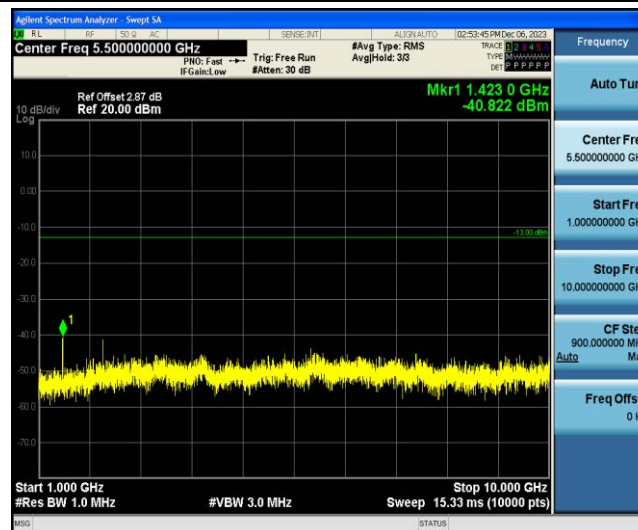
Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



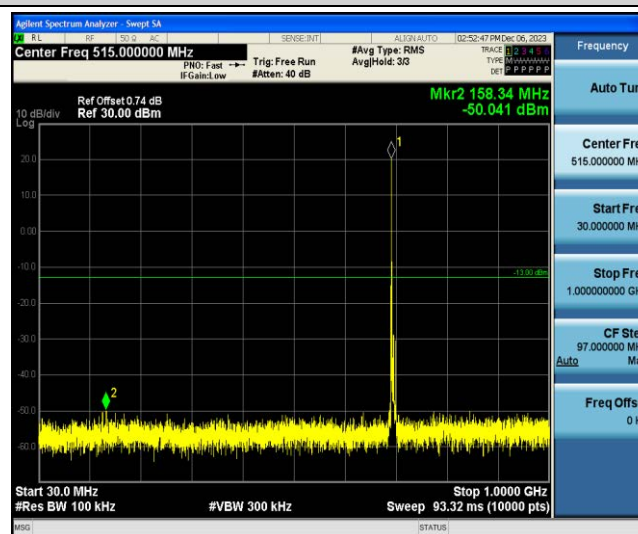
Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



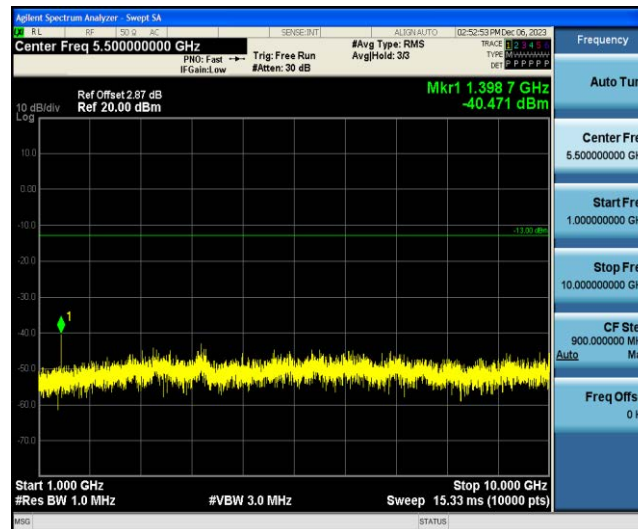
Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



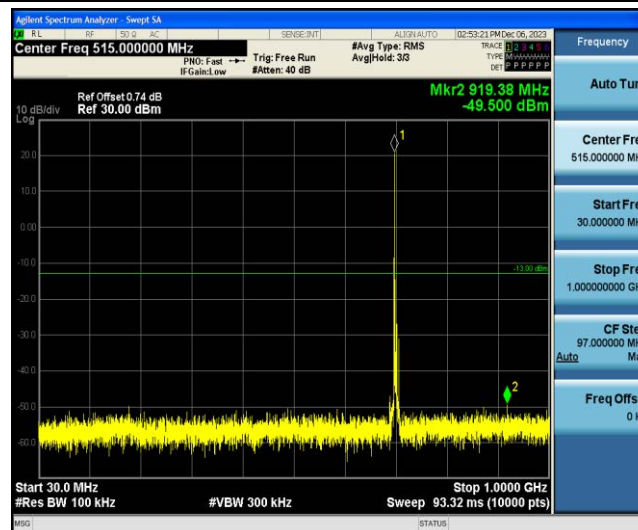
Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



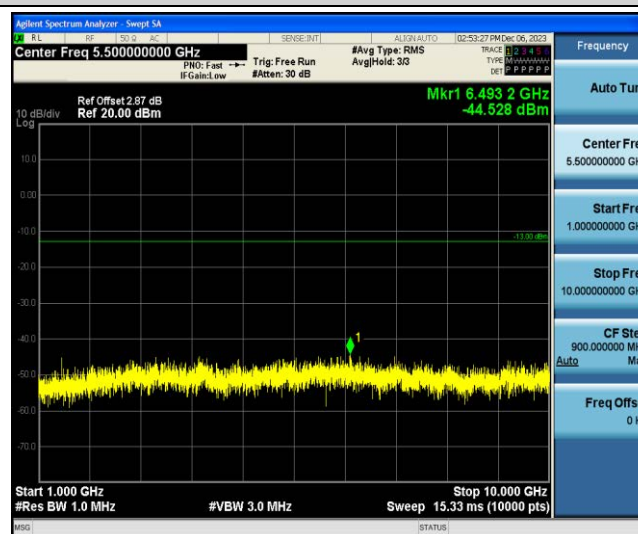
Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



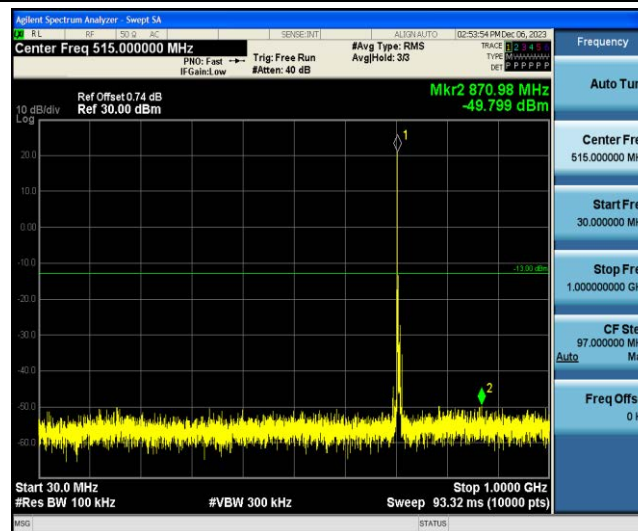
Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



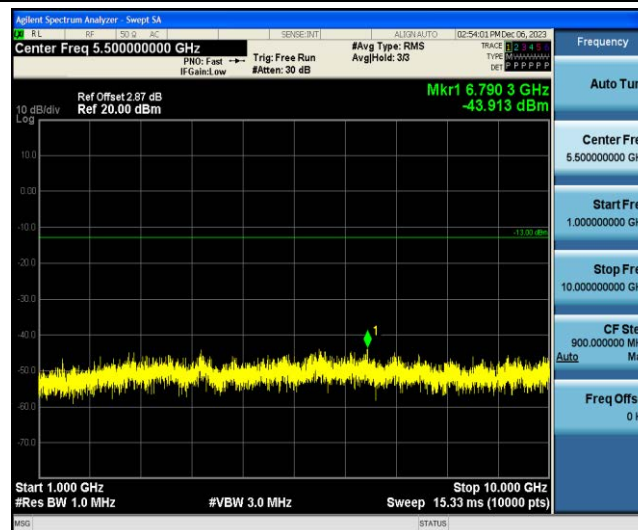
Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



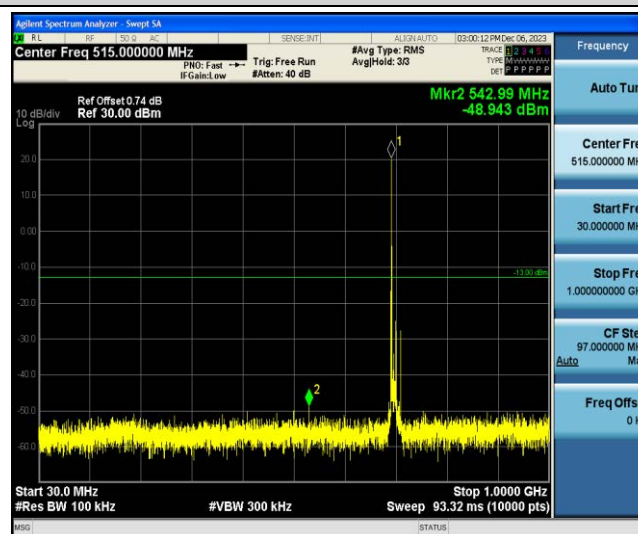
Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



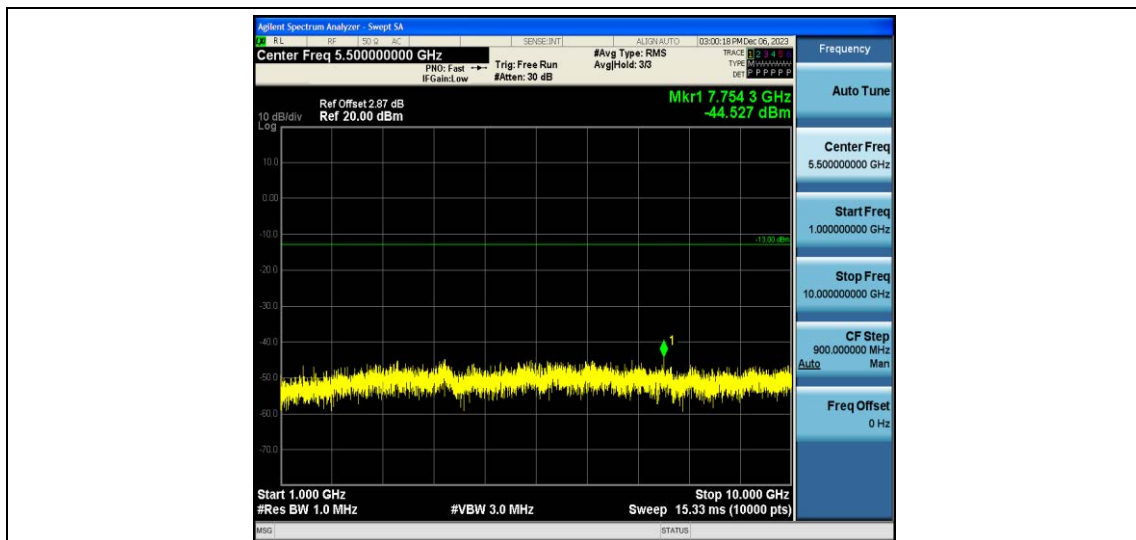
Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz



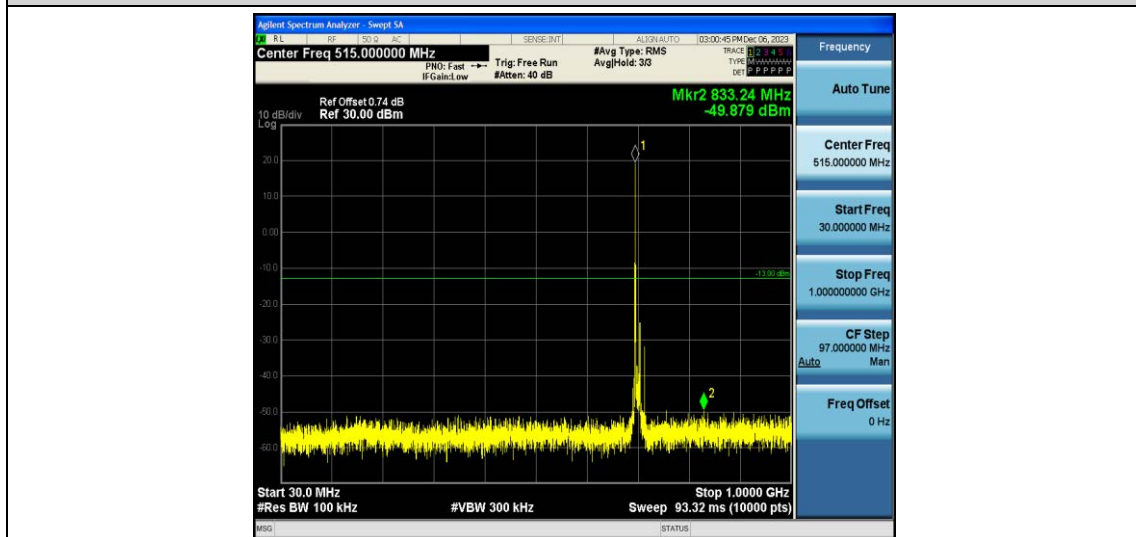
Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



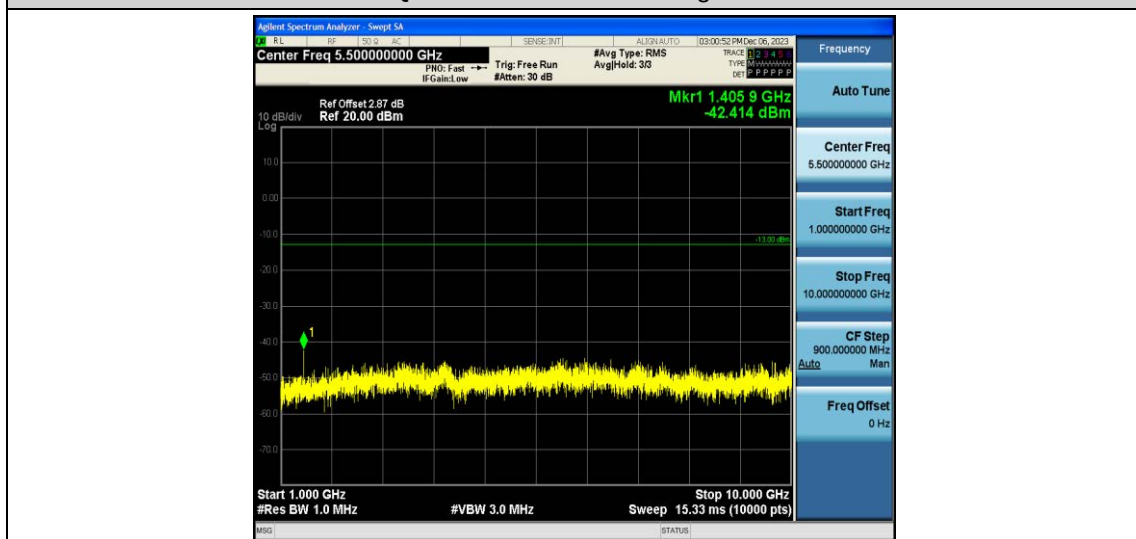
Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



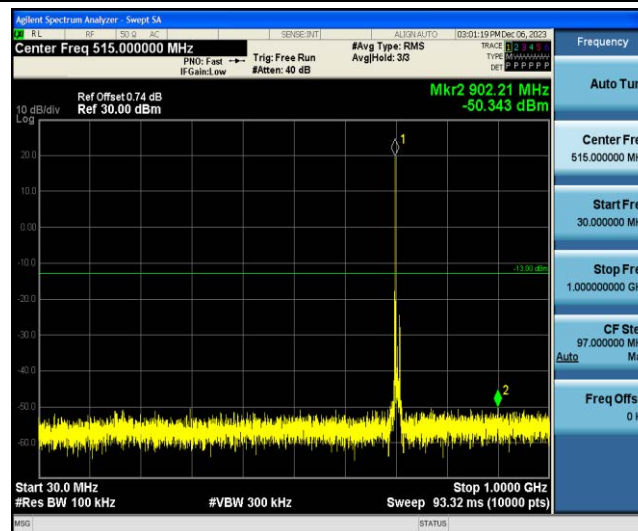
Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



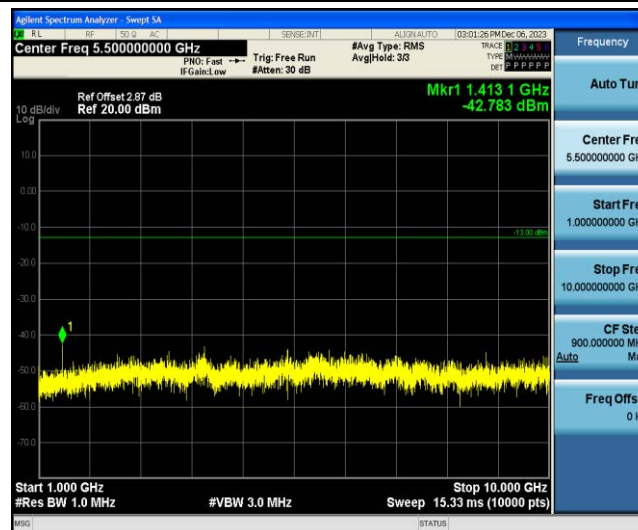
Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



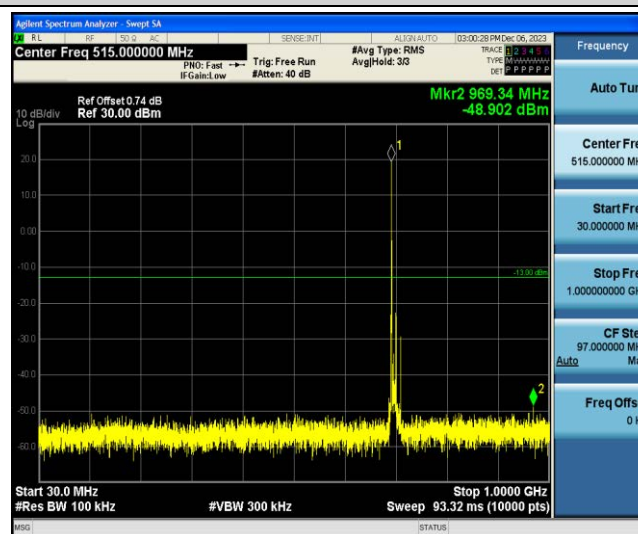
Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



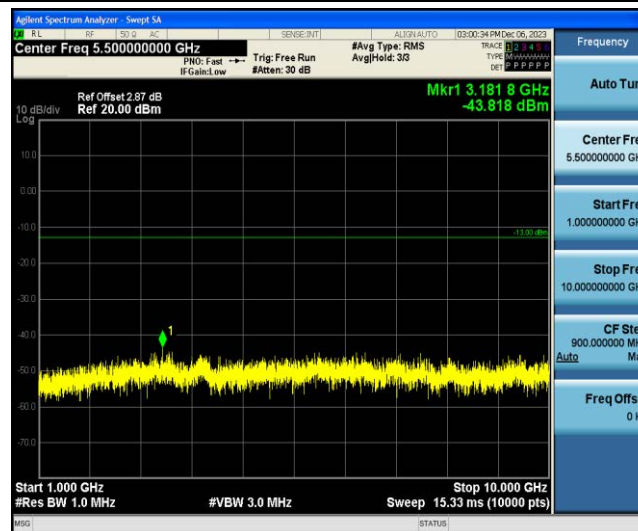
Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



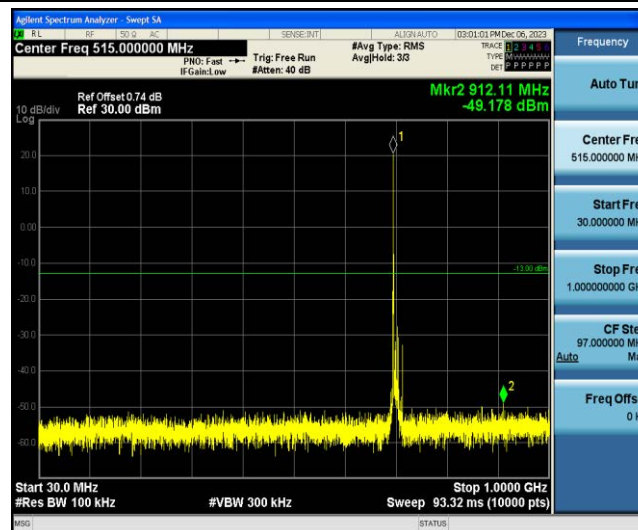
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



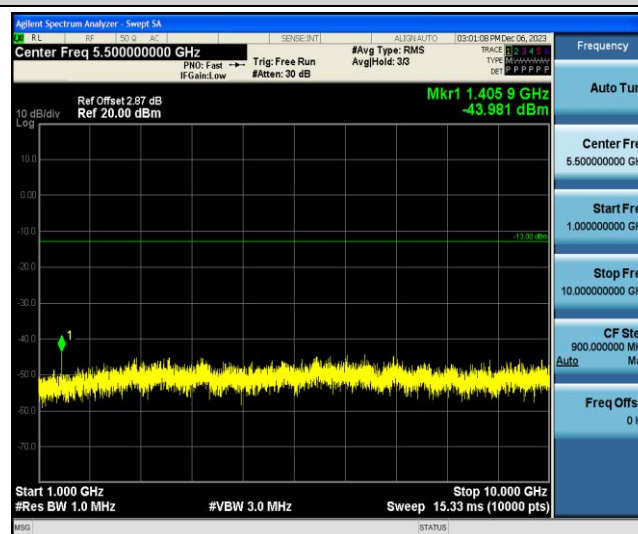
Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



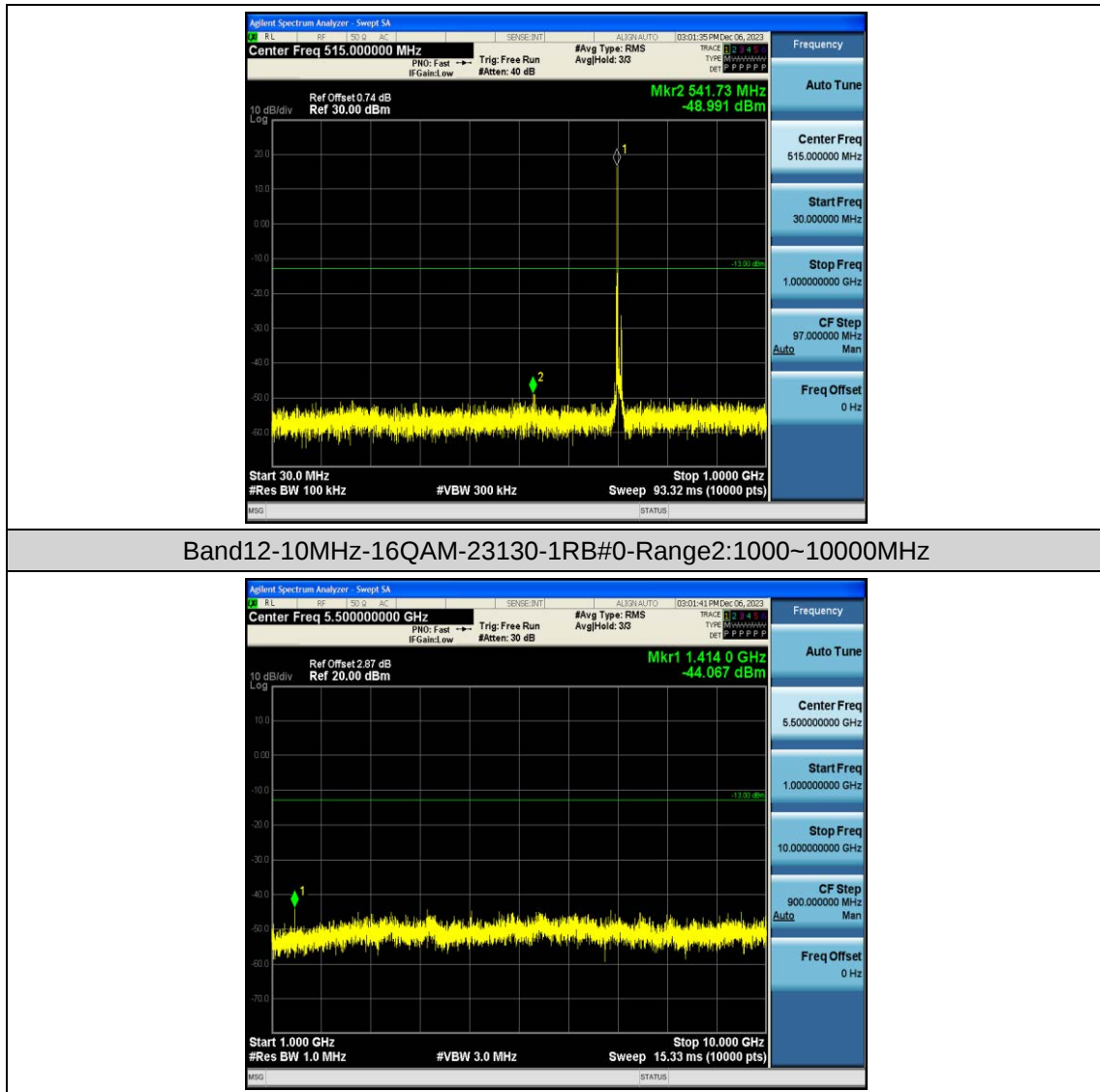
Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



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



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



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band1 2	1.4MHz	QPSK	23017	6RB#0	VL	NT	-13.50	-0.019294	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	VN	NT	-12.03	-0.017193	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	VH	NT	-12.26	-0.017522	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	VL	NT	-9.68	-0.013682	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	VN	NT	7.98	0.011279	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	VH	NT	-8.30	-0.011731	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	VL	NT	-22.90	-0.032015	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	VN	NT	5.08	0.007102	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	VH	NT	-10.37	-0.014497	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	VL	NT	-6.67	-0.009533	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	VN	NT	-9.41	-0.013449	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	VH	NT	-6.17	-0.008818	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	VL	NT	-6.92	-0.009781	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	VN	NT	-8.55	-0.012085	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	VH	NT	-2.93	-0.004141	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	VL	NT	-6.21	-0.008682	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	VN	NT	-6.37	-0.008905	±2.5	PASS
Band1	1.4MHz	16QAM	23173	6RB#0	VH	NT	-9.90	-0.013840	±2.5	PASS

2										
Band1 2	3MHz	QPSK	23025	15RB#0	VL	NT	-15.69	-0.022398	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	VN	NT	-10.10	-0.014418	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	VH	NT	-14.98	-0.021385	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	VL	NT	-11.24	-0.015887	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	VN	NT	7.55	0.010671	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	VH	NT	-14.29	-0.020198	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	VL	NT	-17.67	-0.024731	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	VN	NT	8.77	0.012274	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	VH	NT	-11.29	-0.015801	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	VL	NT	-8.33	-0.011892	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	VN	NT	-11.07	-0.015803	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	VH	NT	-8.44	-0.012049	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	VL	NT	-5.24	-0.007406	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	VN	NT	-7.90	-0.011166	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	VH	NT	-4.13	-0.005837	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	VL	NT	-6.90	-0.009657	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	VN	NT	-11.00	-0.015395	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	VH	NT	-8.18	-0.011449	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	VL	NT	-8.15	-0.011618	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	VN	NT	-12.92	-0.018418	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	VH	NT	-12.77	-0.018204	±2.5	PASS

Band1 2	5MHz	QPSK	23095	25RB#0	VL	NT	-11.56	-0.016339	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	VN	NT	4.99	0.007053	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	VH	NT	-8.75	-0.012367	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	VL	NT	-13.43	-0.018823	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	VN	NT	6.18	0.008662	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	VH	NT	-8.55	-0.011983	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	VL	NT	-7.02	-0.010007	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	VN	NT	-9.87	-0.014070	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	VH	NT	-8.24	-0.011746	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	VL	NT	-8.37	-0.011830	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	VN	NT	-11.94	-0.016876	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	VH	NT	-5.14	-0.007265	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	VL	NT	-5.11	-0.007162	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	VN	NT	-11.99	-0.016804	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	VH	NT	-8.71	-0.012207	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	VL	NT	-5.01	-0.007116	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	VN	NT	-10.30	-0.014631	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	VH	NT	-10.87	-0.015440	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	VL	NT	-12.04	-0.017018	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	VN	NT	7.24	0.010233	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	VH	NT	-9.07	-0.012820	±2.5	PASS
Band1	10MHz	QPSK	23130	50RB#0	VL	NT	-13.76	-0.019353	±2.5	PASS

2										
Band1 2	10MHz	QPSK	23130	50RB#0	VN	NT	4.35	0.006118	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	VH	NT	-10.99	-0.015457	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	VL	NT	-7.07	-0.010043	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	VN	NT	-4.33	-0.006151	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	VH	NT	-10.56	-0.015000	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	VL	NT	-6.49	-0.009173	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	VN	NT	-42.99	-0.060763	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	VH	NT	-5.71	-0.008071	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	VL	NT	-7.78	-0.010942	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	VN	NT	-10.06	-0.014149	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	VH	NT	-5.58	-0.007848	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band1 2	1.4MHz	QPSK	23017	6RB#0	NV	-30	-9.44	-0.013491	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	NV	-20	-10.47	-0.014964	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	NV	0	-9.80	-0.014006	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	NV	10	-9.97	-0.014249	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	NV	20	-7.24	-0.010347	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	NV	-30	-8.18	-0.011562	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	NV	-20	-12.90	-0.018233	±2.5	PASS
Band1	1.4MHz	QPSK	23095	6RB#0	NV	0	-8.11	-0.011463	±2.5	PASS

2										
Band1 2	1.4MHz	QPSK	23095	6RB#0	NV	10	-9.23	-0.013046	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	NV	20	-5.92	-0.008367	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	NV	-30	-10.04	-0.014036	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	NV	-20	-8.17	-0.011422	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	NV	0	-9.63	-0.013463	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	NV	10	-14.81	-0.020705	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	NV	20	-9.23	-0.012904	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	NV	-30	-3.26	-0.004659	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	NV	-20	-5.78	-0.008261	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	NV	0	-10.21	-0.014592	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	NV	10	-9.13	-0.013048	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	NV	20	-5.97	-0.008532	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	NV	-30	-7.27	-0.010276	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	NV	-20	-9.00	-0.012721	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	NV	0	-6.97	-0.009852	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	NV	10	-6.54	-0.009244	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	NV	20	-9.30	-0.013145	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	NV	-30	-6.19	-0.008654	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	NV	-20	-7.01	-0.009800	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	NV	0	-7.41	-0.010359	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	NV	10	-4.68	-0.006543	±2.5	PASS

Band1 2	1.4MHz	16QAM	23173	6RB#0	NV	20	-4.88	-0.006822	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	NV	-30	-9.77	-0.013947	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	NV	-20	-5.91	-0.008437	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	NV	0	-8.51	-0.012148	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	NV	10	-8.98	-0.012819	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	NV	20	-8.05	-0.011492	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	NV	-30	-10.83	-0.015307	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	NV	-20	-8.53	-0.012057	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	NV	0	-9.04	-0.012777	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	NV	10	-7.68	-0.010855	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	NV	20	-6.79	-0.009597	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	NV	-30	-13.83	-0.019356	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	NV	-20	-17.45	-0.024423	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	NV	0	-7.44	-0.010413	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	NV	10	-13.88	-0.019426	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	NV	20	-13.50	-0.018894	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	NV	-30	-8.53	-0.012177	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	NV	-20	-9.07	-0.012948	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	NV	0	-13.18	-0.018815	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	NV	10	-10.66	-0.015218	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	NV	20	-9.41	-0.013433	±2.5	PASS
Band1	3MHz	16QAM	23095	15RB#0	NV	-30	-9.00	-0.012721	±2.5	PASS

2										
Band1 2	3MHz	16QAM	23095	15RB#0	NV	-20	-7.31	-0.010332	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	NV	0	-7.65	-0.010813	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	NV	10	-8.48	-0.011986	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	NV	20	-8.98	-0.012693	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	-30	-9.90	-0.013856	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	-20	-7.67	-0.010735	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	0	-10.84	-0.015171	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	10	-10.03	-0.014038	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	20	-12.86	-0.017999	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	-30	-7.12	-0.010150	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	-20	-13.10	-0.018674	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	0	-8.23	-0.011732	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	10	-12.73	-0.018147	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	20	-12.43	-0.017719	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	-30	-9.21	-0.013018	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	-20	-9.98	-0.014106	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	0	-3.83	-0.005413	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	10	-6.11	-0.008636	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	20	-7.72	-0.010912	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	NV	-30	-12.07	-0.016917	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	NV	-20	-12.76	-0.017884	±2.5	PASS

Band1 2	5MHz	QPSK	23155	25RB#0	NV	0	-12.42	-0.017407	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	NV	10	-10.74	-0.015053	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	NV	20	-12.17	-0.017057	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	NV	-30	-7.81	-0.011133	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	NV	-20	-6.65	-0.009480	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	NV	0	-10.61	-0.015125	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	NV	10	-6.11	-0.008710	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	NV	20	-10.07	-0.014355	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	NV	-30	-7.08	-0.010007	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	NV	-20	-7.02	-0.009922	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	NV	0	-9.94	-0.014049	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	NV	10	-6.54	-0.009244	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	NV	20	-8.47	-0.011972	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	NV	-30	-8.04	-0.011268	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	NV	-20	-5.24	-0.007344	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	NV	0	-4.89	-0.006854	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	NV	10	-6.87	-0.009629	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	NV	20	-9.81	-0.013749	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	-30	-9.78	-0.013892	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	-20	-8.85	-0.012571	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	0	-8.96	-0.012727	±2.5	PASS
Band1	10MHz	QPSK	23060	50RB#0	NV	10	-10.91	-0.015497	±2.5	PASS

2										
Band1 2	10MHz	QPSK	23060	50RB#0	NV	20	-5.55	-0.007884	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	-30	-9.57	-0.013527	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	-20	-9.41	-0.013300	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	0	-9.74	-0.013767	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	10	-10.40	-0.014700	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	20	-12.73	-0.017993	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	-30	-10.50	-0.014768	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	-20	-13.48	-0.018959	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	0	-8.96	-0.012602	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	10	-9.53	-0.013404	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	20	-11.76	-0.016540	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	NV	-30	-2.68	-0.003807	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	NV	-20	-8.31	-0.011804	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	NV	0	-8.75	-0.012429	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	NV	10	-11.52	-0.016364	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	NV	20	36.32	0.051591	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	NV	-30	-5.89	-0.008325	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	NV	-20	-6.97	-0.009852	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	NV	0	-8.60	-0.012155	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	NV	10	31.29	0.044226	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	NV	20	-7.97	-0.011265	±2.5	PASS

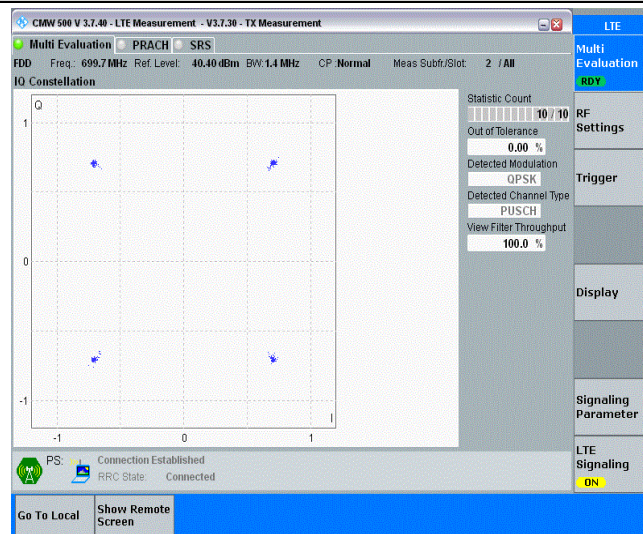
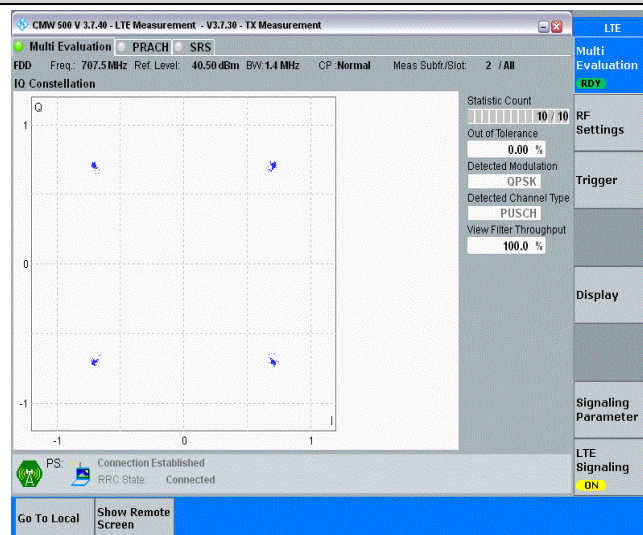
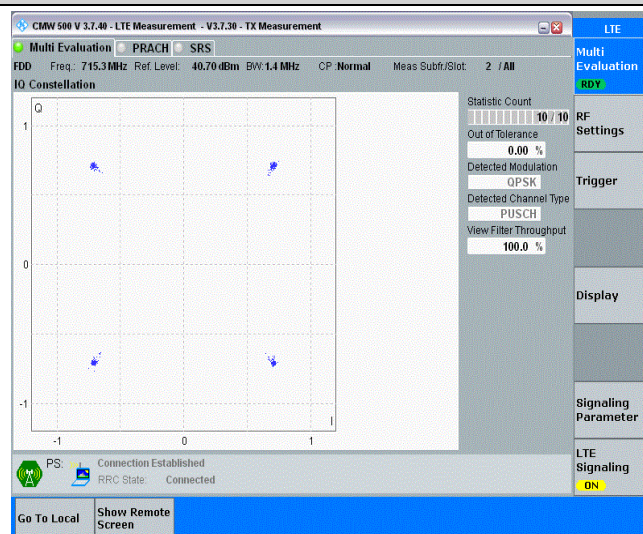
Band1 2	10MHz	16QAM	23130	50RB#0	NV	-30	-8.08	-0.011364	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	NV	-20	-8.94	-0.012574	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	NV	0	-6.64	-0.009339	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	NV	10	-8.74	-0.012293	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	NV	20	-13.65	-0.019198	±2.5	PASS

Appendix G: Modulation Characteristics

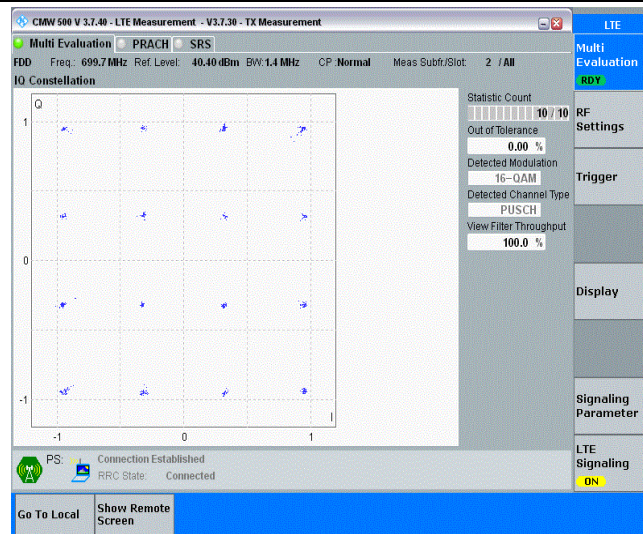
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	PASS	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	PASS	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	PASS	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	PASS	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	PASS	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	PASS	PASS
Band12	3MHz	QPSK	23025	15RB#0	PASS	PASS
Band12	3MHz	QPSK	23095	15RB#0	PASS	PASS
Band12	3MHz	QPSK	23165	15RB#0	PASS	PASS
Band12	3MHz	16QAM	23025	15RB#0	PASS	PASS
Band12	3MHz	16QAM	23095	15RB#0	PASS	PASS
Band12	3MHz	16QAM	23165	15RB#0	PASS	PASS
Band12	5MHz	QPSK	23035	25RB#0	PASS	PASS
Band12	5MHz	QPSK	23095	25RB#0	PASS	PASS
Band12	5MHz	QPSK	23155	25RB#0	PASS	PASS
Band12	5MHz	16QAM	23035	25RB#0	PASS	PASS
Band12	5MHz	16QAM	23095	25RB#0	PASS	PASS
Band12	5MHz	16QAM	23155	25RB#0	PASS	PASS
Band12	10MHz	QPSK	23060	50RB#0	PASS	PASS
Band12	10MHz	QPSK	23095	50RB#0	PASS	PASS
Band12	10MHz	QPSK	23130	50RB#0	PASS	PASS
Band12	10MHz	16QAM	23060	50RB#0	PASS	PASS
Band12	10MHz	16QAM	23095	50RB#0	PASS	PASS
Band12	10MHz	16QAM	23130	50RB#0	PASS	PASS

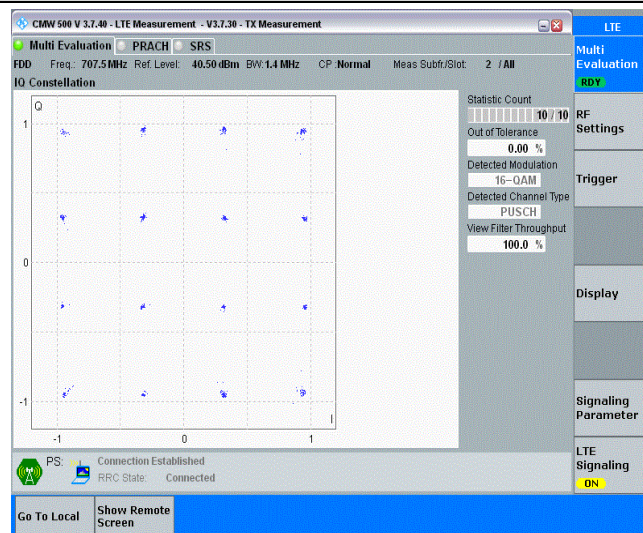
Test Graphs

Band12-1.4MHz-QPSK-23017-6RB#0**Band12-1.4MHz-QPSK-23095-6RB#0****Band12-1.4MHz-QPSK-23173-6RB#0**

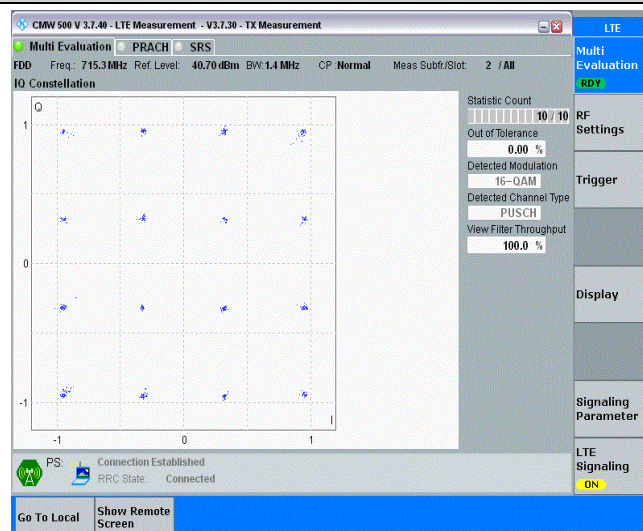
Band12-1.4MHz-16QAM-23017-6RB#0



Band12-1.4MHz-16QAM-23095-6RB#0

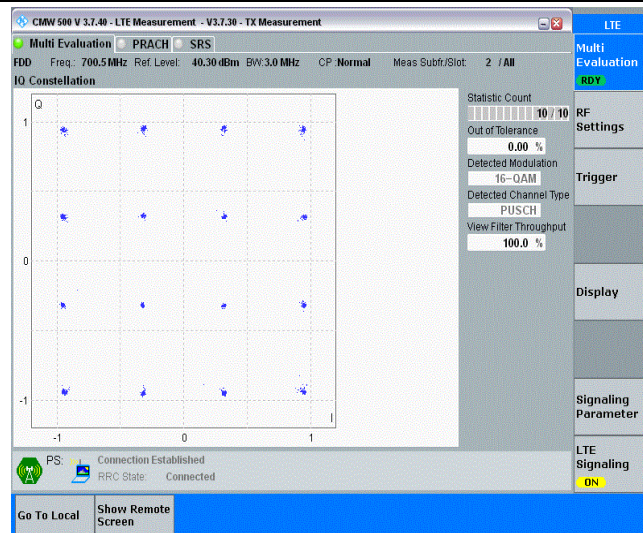


Band12-1.4MHz-16QAM-23173-6RB#0

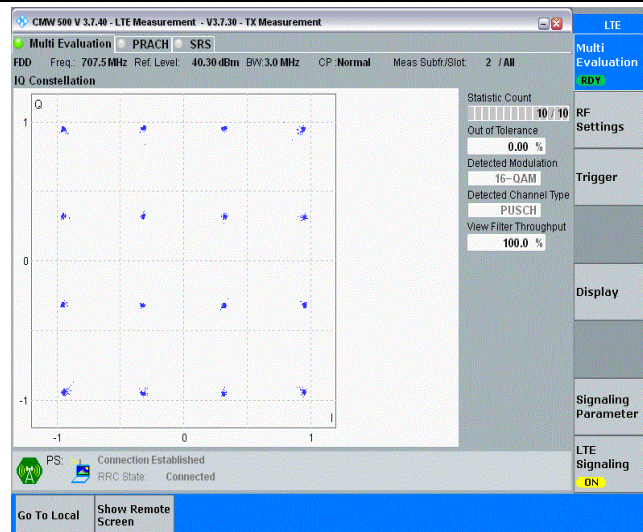


Band12-3MHz-QPSK-23025-15RB#0

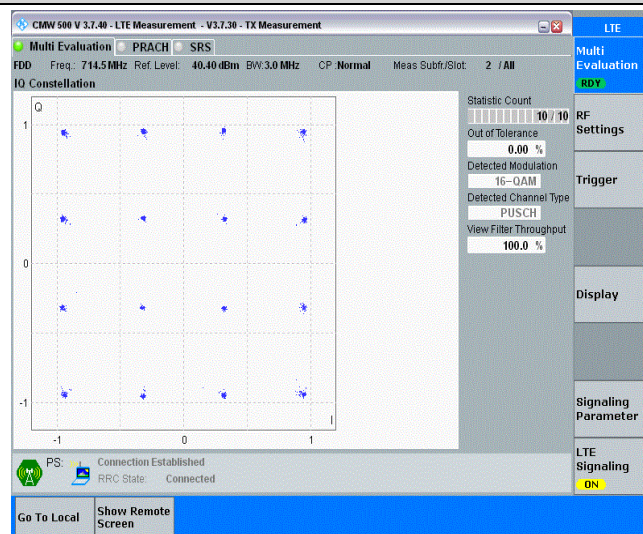
CMW 500 V 3.7.40 - LTE Measurement - V3.7.30 - TX Measurement Multi EvaluationPRACHSRS FDD Freq: 700.5 MHz Ref Level: 40.30 dBm BW: 3.0 MHz CP: Normal Meas Subfr/Slot: 2 / All IO Constellation Statistic Count 10 / 10 Out of Tolerance 0.00 % Detected Modulation QPSK Detected Channel Type PUSCH View Filter Throughput 100.0 % RF Settings Trigger Display Signaling Parameter LTE Signaling PS Connection Established RRC State: Connected Go To LocalShow Remote Screen	Band12-3MHz-QPSK-23095-15RB#0
CMW 500 V 3.7.40 - LTE Measurement - V3.7.30 - TX Measurement Multi EvaluationPRACHSRS FDD Freq: 707.5 MHz Ref Level: 40.30 dBm BW: 3.0 MHz CP: Normal Meas Subfr/Slot: 2 / All IO Constellation Statistic Count 10 / 10 Out of Tolerance 0.00 % Detected Modulation QPSK Detected Channel Type PUSCH View Filter Throughput 100.0 % RF Settings Trigger Display Signaling Parameter LTE Signaling PS Connection Established RRC State: Connected Go To LocalShow Remote Screen	Band12-3MHz-QPSK-23165-15RB#0
CMW 500 V 3.7.40 - LTE Measurement - V3.7.30 - TX Measurement Multi EvaluationPRACHSRS FDD Freq: 714.5 MHz Ref Level: 40.40 dBm BW: 3.0 MHz CP: Normal Meas Subfr/Slot: 2 / All IO Constellation Statistic Count 10 / 10 Out of Tolerance 0.00 % Detected Modulation QPSK Detected Channel Type PUSCH View Filter Throughput 100.0 % RF Settings Trigger Display Signaling Parameter LTE Signaling PS Connection Established RRC State: Connected Go To LocalShow Remote Screen	Band12-3MHz-16QAM-23025-15RB#0



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



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



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