FCC LTE Band Test Data

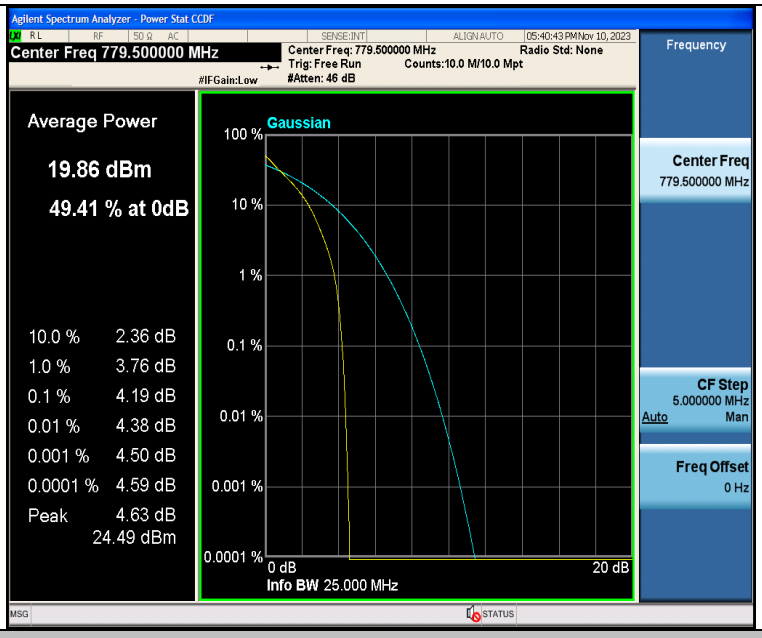
FCC ID	:	**2A35K-DL5PRO**
Company:	:	**Shenzhen Mytron Technology Limited**
EUT	:	**LTE smart phone**
Model Number	:	**Digicel DL5 Pro**
Reviewed By	:	**Eric Wang**

Appendix B: Peak-to-Average Ratio(CCDF)

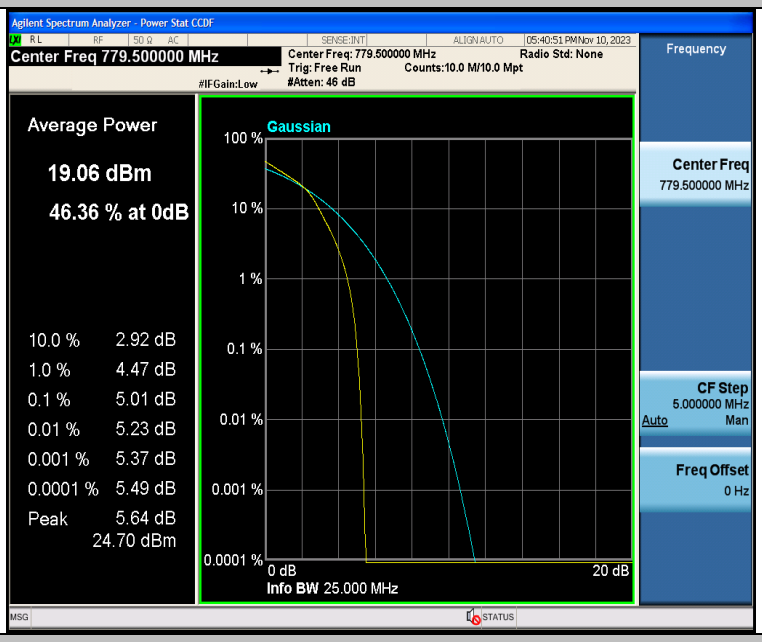
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.19	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.01	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.18	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.00	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.41	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.27	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	4.40	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.35	13	PASS

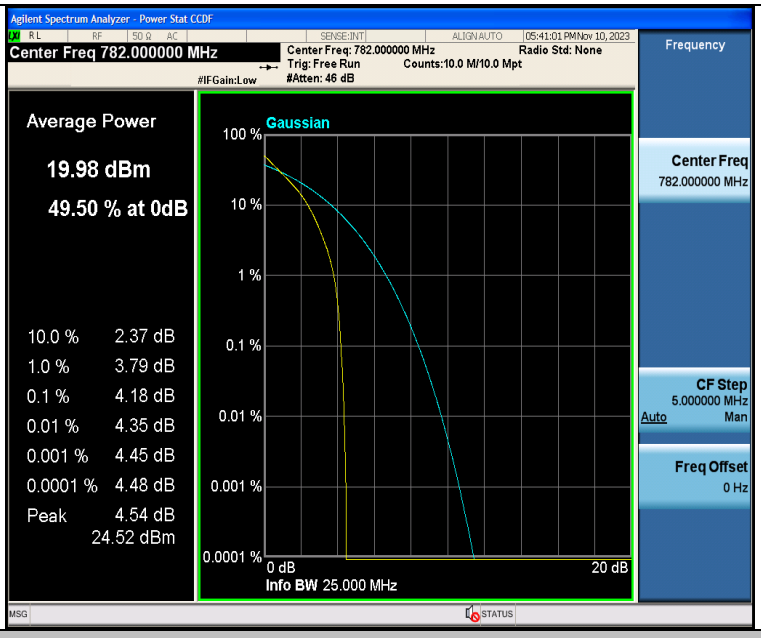
Test Graphs



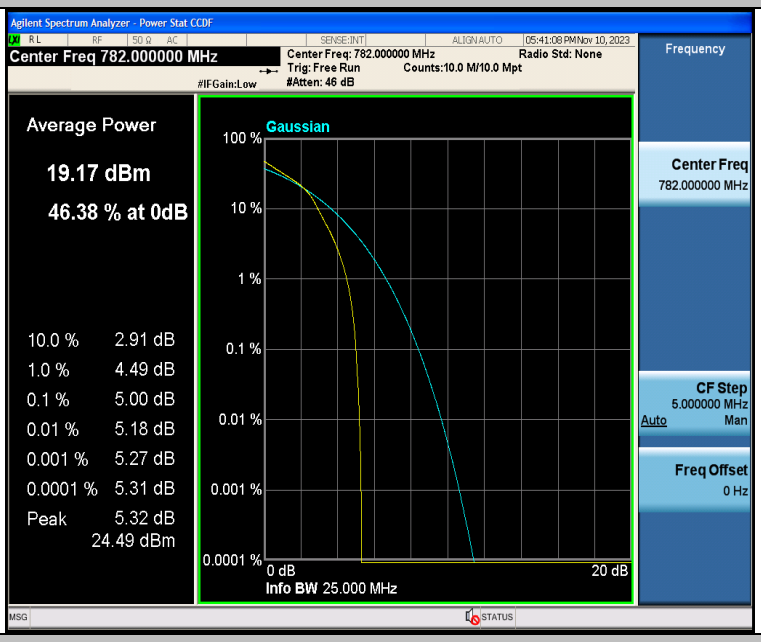
Band13-5MHz-QPSK-23205-25RB#0-PASS



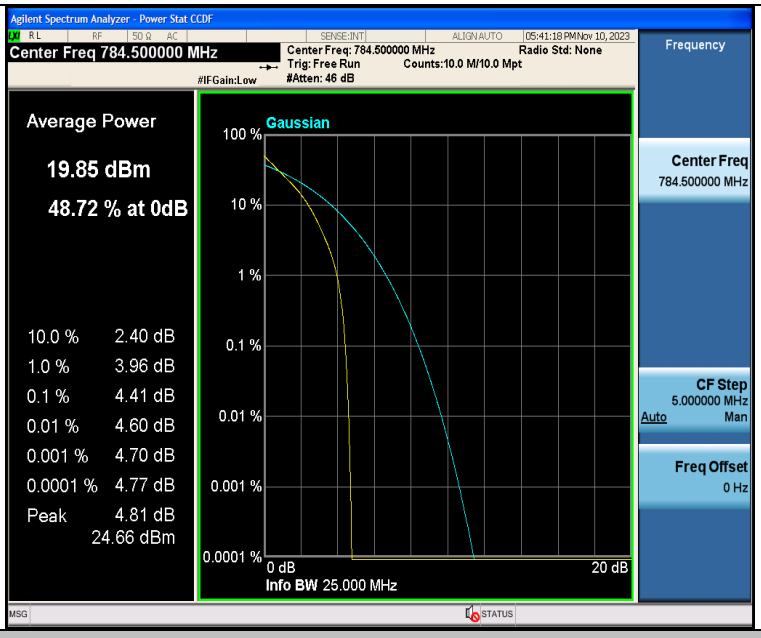
Band13-5MHz-16QAM-23205-25RB#0-PASS



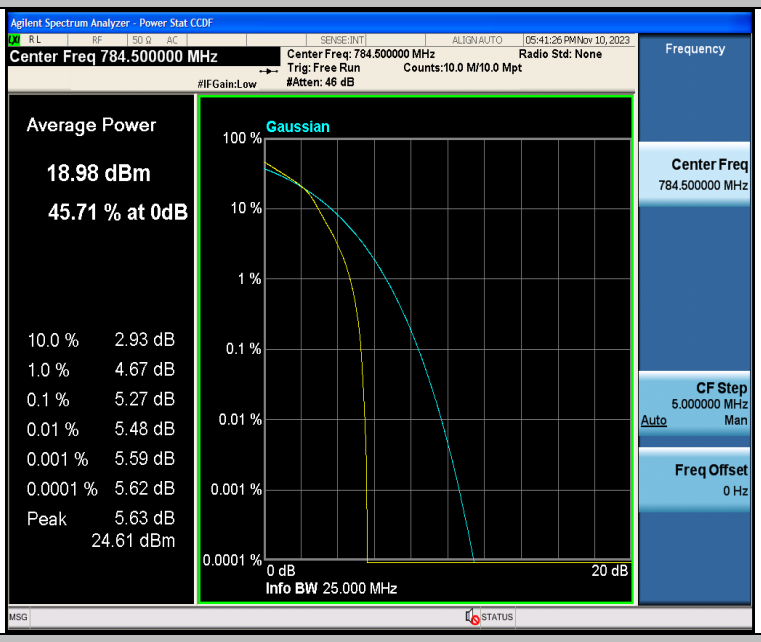
Band13-5MHz-QPSK-23230-25RB#0-PASS



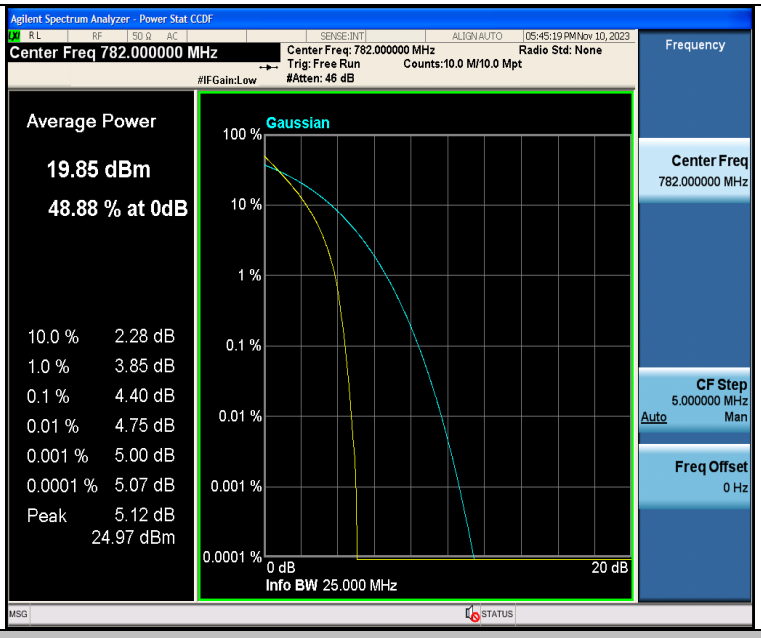
Band13-5MHz-16QAM-23230-25RB#0-PASS



Band13-5MHz-QPSK-23255-25RB#0-PASS



Band13-5MHz-16QAM-23255-25RB#0-PASS



Band13-10MHz-QPSK-23230-50RB#0-PASS

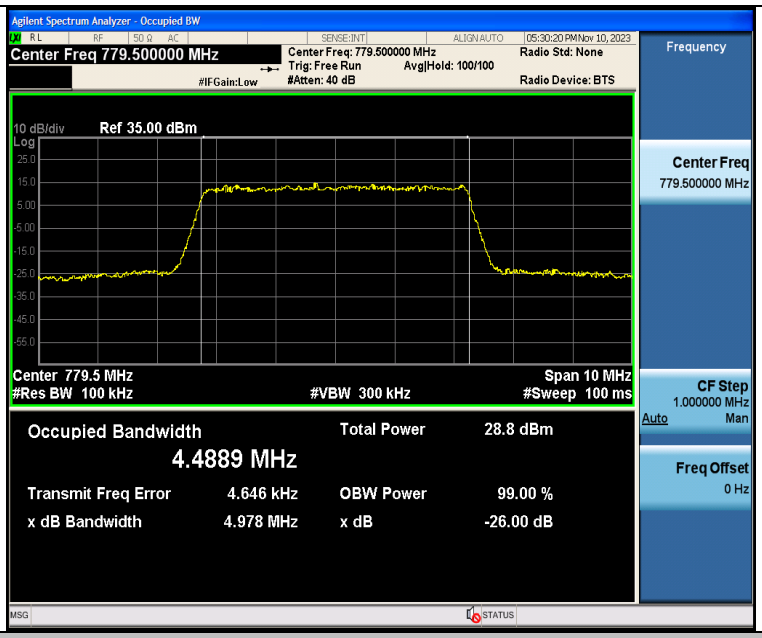
Band13-10MHz-16QAM-23230-50RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4889	4.978	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5002	5.024	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5018	5.008	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4891	4.972	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5017	5.009	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4981	4.970	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9591	9.898	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9573	9.804	PASS

Test Graphs

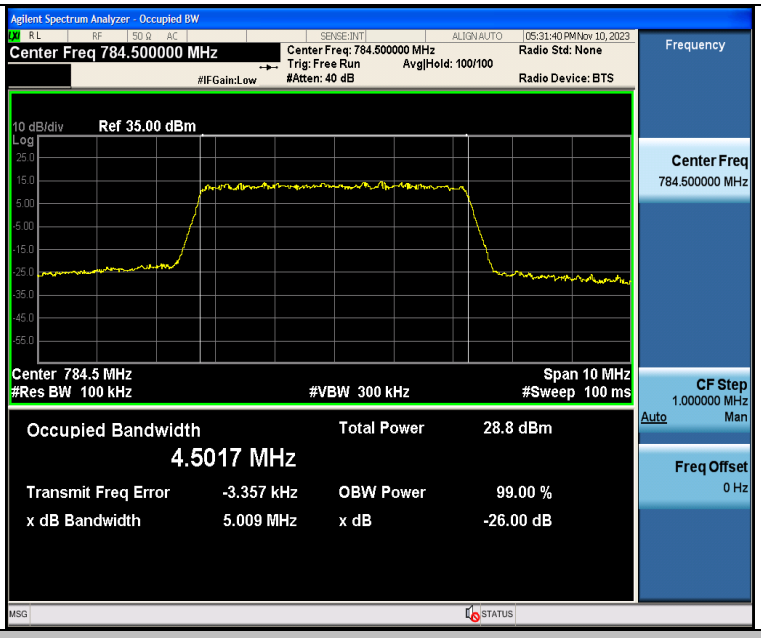


Band13-5MHz-QPSK-23205-25RB#0-PASS

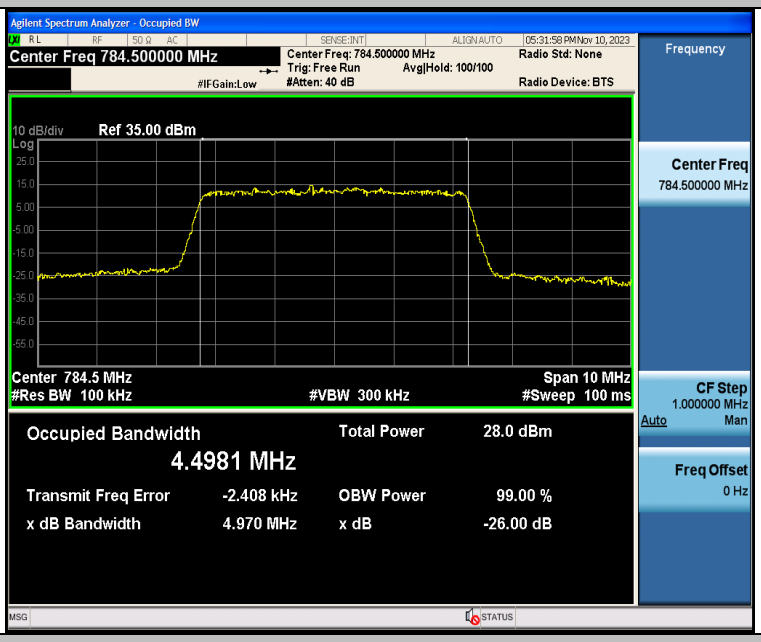
Band13-5MHz-16QAM-23205-25RB#0-PASS

Band13-5MHz-QPSK-23230-25RB#0-PASS

Band13-5MHz-16QAM-23230-25RB#0-PASS

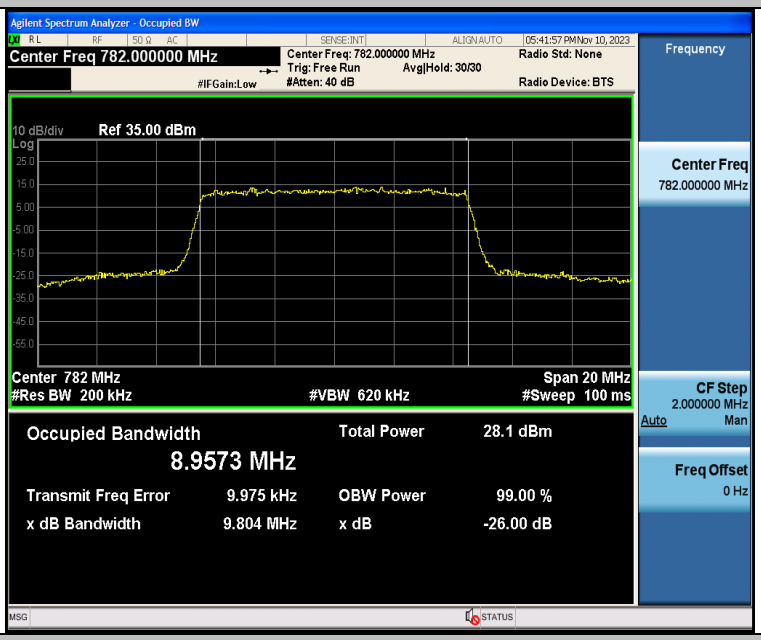


Band13-5MHz-QPSK-23255-25RB#0-PASS



Band13-5MHz-16QAM-23255-25RB#0-PASS

Band13-10MHz-QPSK-23230-50RB#0-PASS



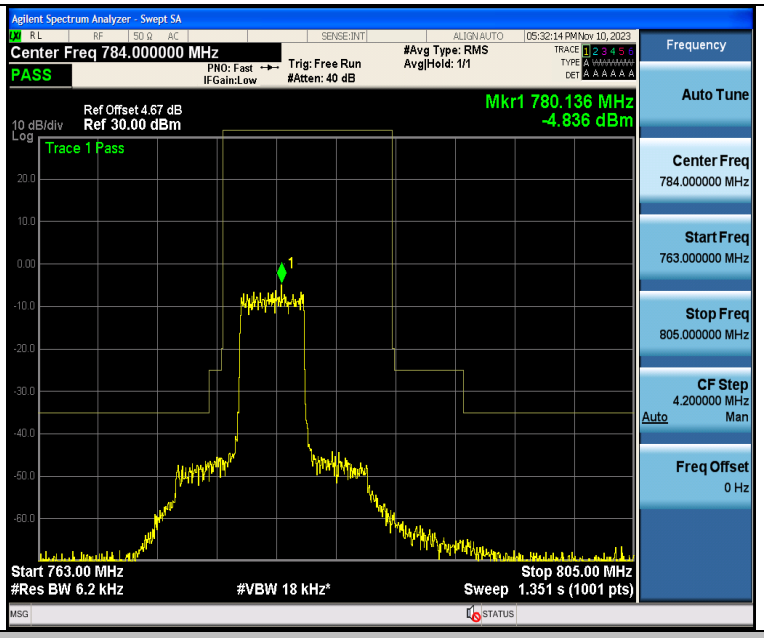
Band13-10MHz-16QAM-23230-50RB#0-PASS

Appendix D: Band Edge

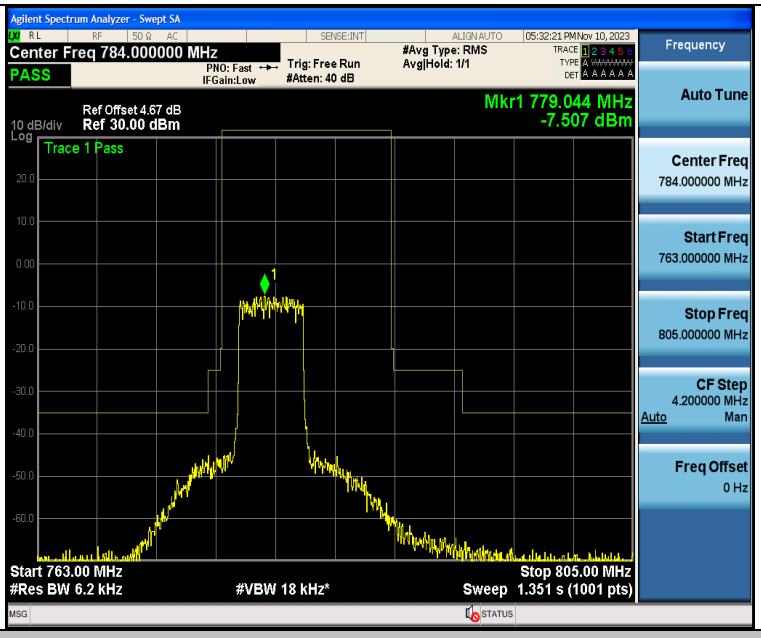
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-46.43	PASS
Band13	5MHz	16QAM	23205	25RB#0	-46.07	PASS
Band13	5MHz	QPSK	23255	25RB#0	-47.87	PASS
Band13	5MHz	16QAM	23255	25RB#0	-47.03	PASS
Band13	10MHz	QPSK	23230	50RB#0	-48.16	PASS
Band13	10MHz	16QAM	23230	50RB#0	-48.50	PASS

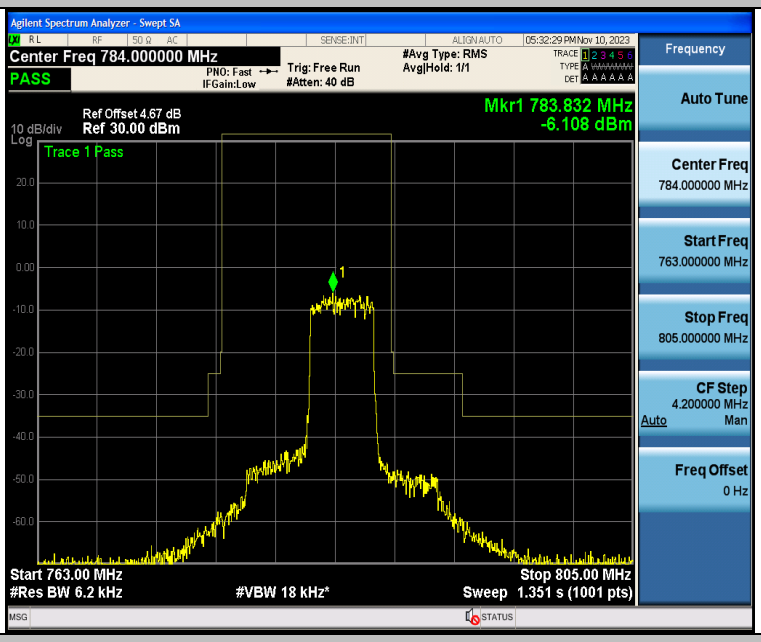
Test Graphs



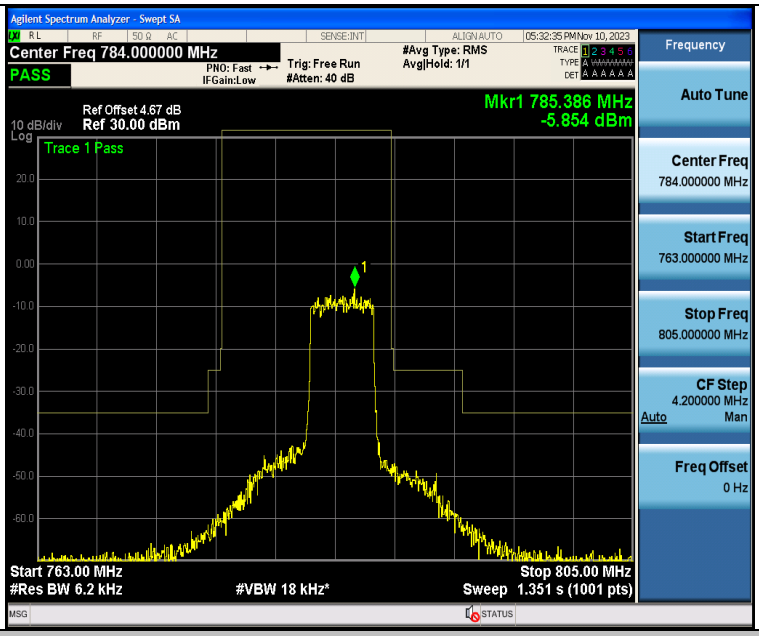
Band13_5MHz_QPSK_23205_25RB#0



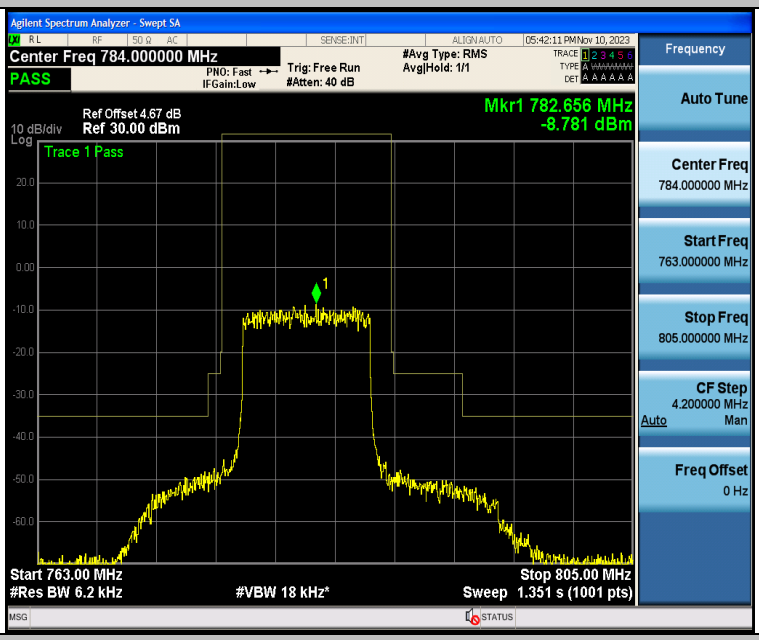
Band13_5MHz_16QAM_23205_25RB#0



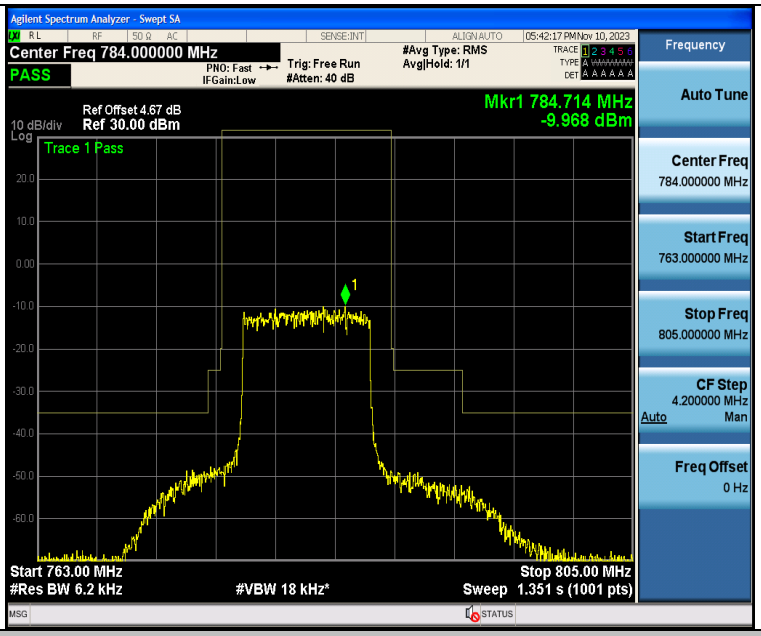
Band13_5MHz_QPSK_23255_25RB#0



Band13_5MHz_16QAM_23255_25RB#0



Band13_10MHz_QPSK_23230_50RB#0



Band13_10MHz_16QAM_23230_50RB#0

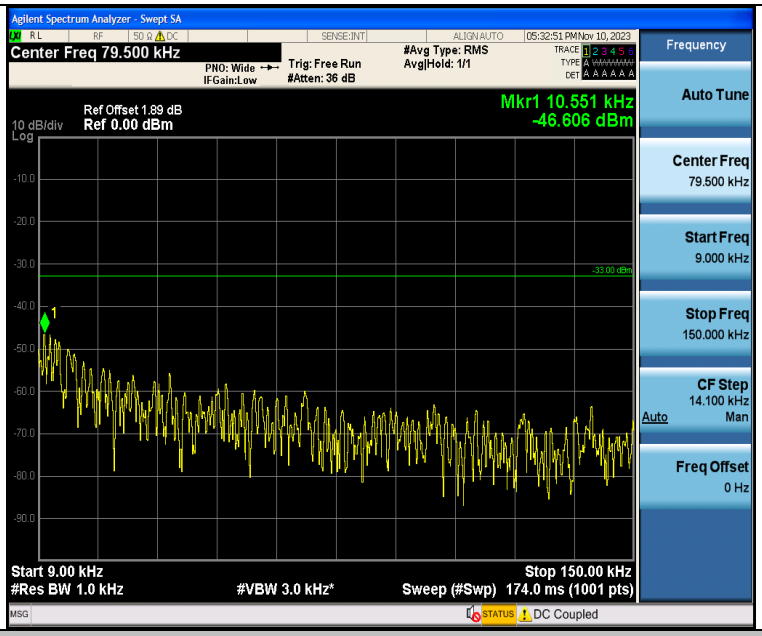
Appendix E: Conducted Spurious Emission

Test Result

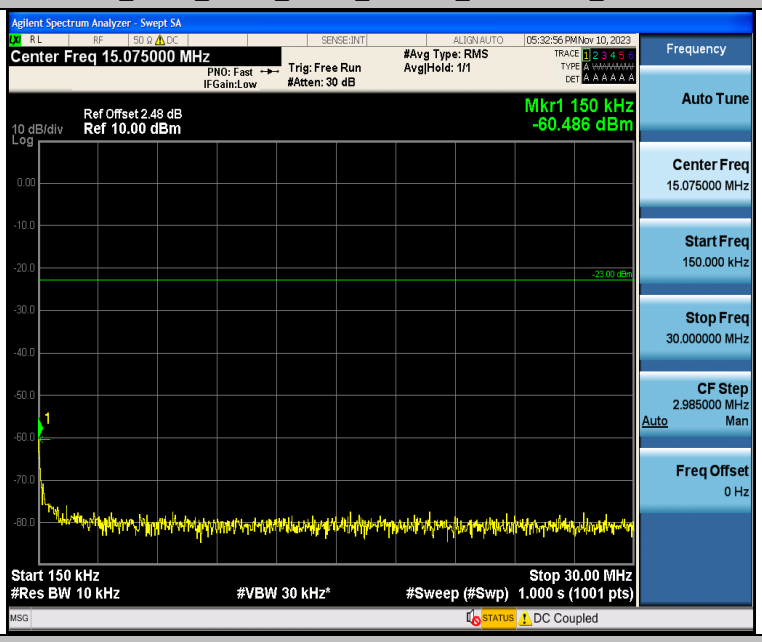
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	0.009~0.15	-46.61	PASS
Band13	5MHz	QPSK	23205	25RB#0	0.15~30	-60.49	PASS
Band13	5MHz	QPSK	23205	25RB#0	30~1000	-55.46	PASS
Band13	5MHz	QPSK	23205	25RB#0	1000~3000	-53.19	PASS
Band13	5MHz	QPSK	23205	25RB#0	3000~10000	-50.29	PASS
Band13	5MHz	16QAM	23205	25RB#0	0.009~0.15	-45.84	PASS
Band13	5MHz	16QAM	23205	25RB#0	0.15~30	-57.50	PASS
Band13	5MHz	16QAM	23205	25RB#0	30~1000	-57.13	PASS
Band13	5MHz	16QAM	23205	25RB#0	1000~3000	-52.05	PASS
Band13	5MHz	16QAM	23205	25RB#0	3000~10000	-49.98	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.009~0.15	-46.16	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.15~30	-58.34	PASS
Band13	5MHz	QPSK	23230	25RB#0	30~1000	-56.18	PASS
Band13	5MHz	QPSK	23230	25RB#0	1000~3000	-52.73	PASS
Band13	5MHz	QPSK	23230	25RB#0	3000~10000	-50.18	PASS
Band13	5MHz	16QAM	23230	25RB#0	0.009~0.15	-43.48	PASS
Band13	5MHz	16QAM	23230	25RB#0	0.15~30	-57.52	PASS
Band13	5MHz	16QAM	23230	25RB#0	30~1000	-57.47	PASS
Band13	5MHz	16QAM	23230	25RB#0	1000~3000	-52.60	PASS
Band13	5MHz	16QAM	23230	25RB#0	3000~10000	-50.47	PASS
Band13	5MHz	QPSK	23255	25RB#0	0.009~0.15	-47.71	PASS
Band13	5MHz	QPSK	23255	25RB#0	0.15~30	-59.88	PASS
Band13	5MHz	QPSK	23255	25RB#0	30~1000	-58.98	PASS
Band13	5MHz	QPSK	23255	25RB#0	1000~3000	-52.79	PASS
Band13	5MHz	QPSK	23255	25RB#0	3000~10000	-49.93	PASS
Band13	5MHz	16QAM	23255	25RB#0	0.009~0.15	-49.08	PASS
Band13	5MHz	16QAM	23255	25RB#0	0.15~30	-58.59	PASS
Band13	5MHz	16QAM	23255	25RB#0	30~1000	-60.47	PASS
Band13	5MHz	16QAM	23255	25RB#0	1000~3000	-52.64	PASS
Band13	5MHz	16QAM	23255	25RB#0	3000~10000	-50.10	PASS
Band13	10MHz	QPSK	23230	50RB#0	0.009~0.15	-47.10	PASS
Band13	10MHz	QPSK	23230	50RB#0	0.15~30	-59.83	PASS
Band13	10MHz	QPSK	23230	50RB#0	30~1000	-64.42	PASS
Band13	10MHz	QPSK	23230	50RB#0	1000~3000	-52.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	3000~10000	-50.24	PASS
Band13	10MHz	16QAM	23230	50RB#0	0.009~0.15	-46.44	PASS

Band13	10MHz	16QAM	23230	50RB#0	0.15~30	-58.72	PASS
Band13	10MHz	16QAM	23230	50RB#0	30~1000	-64.57	PASS
Band13	10MHz	16QAM	23230	50RB#0	1000~3000	-52.38	PASS
Band13	10MHz	16QAM	23230	50RB#0	3000~10000	-50.05	PASS

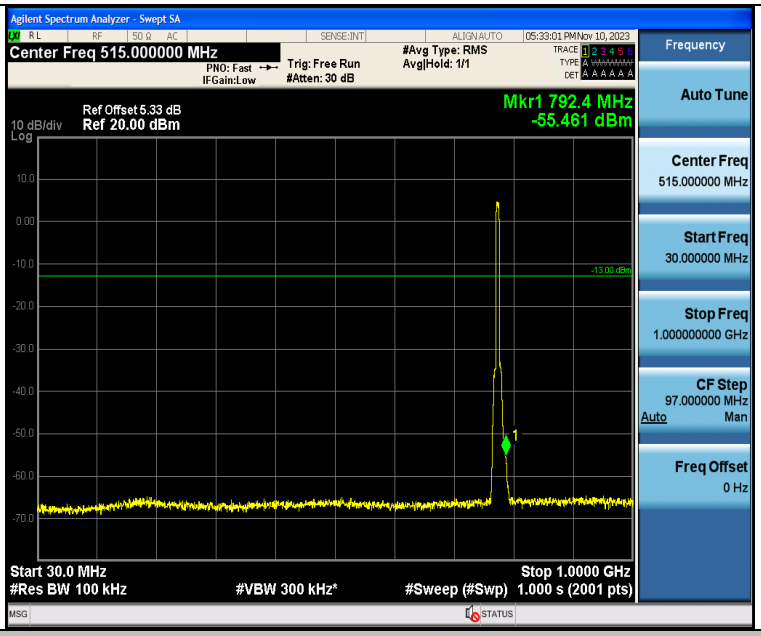
Test Graphs



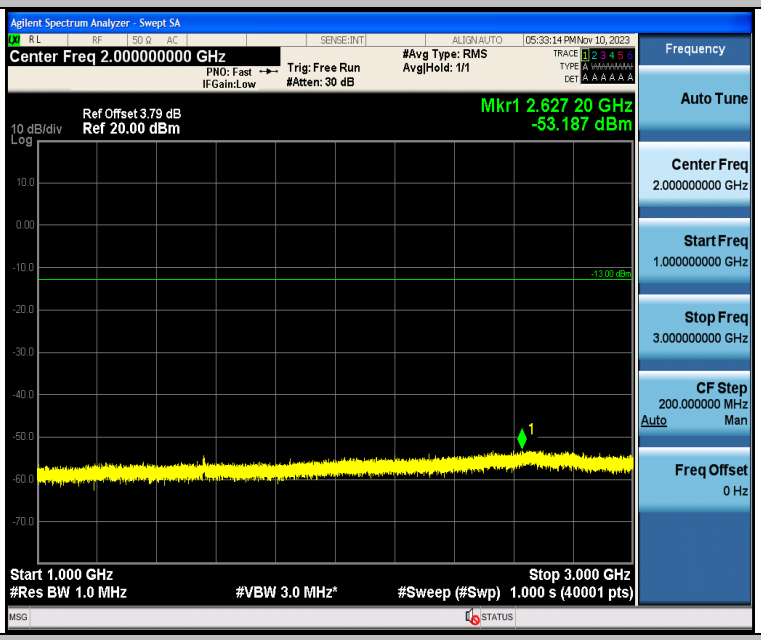
Band13_5MHz_QPSK_23205_25RB#0_0.009~0.15_0.009~0.15



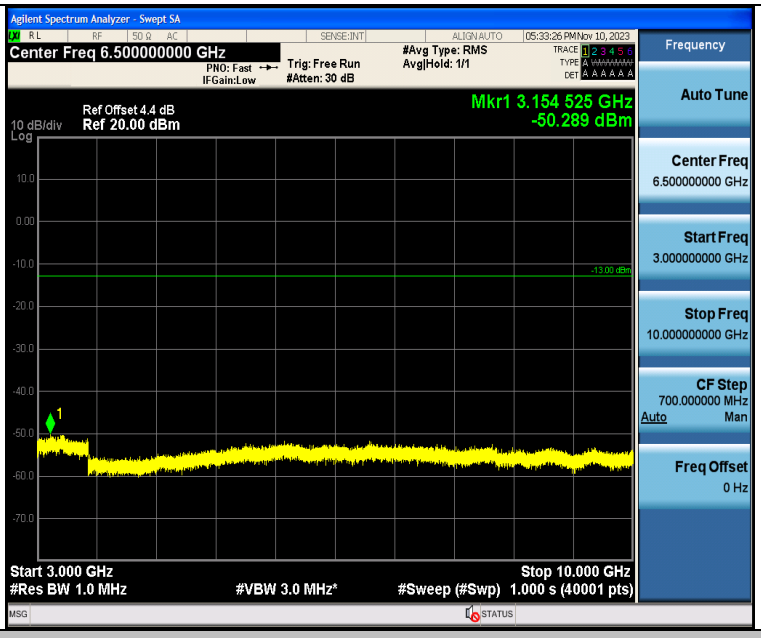
Band13_5MHz_QPSK_23205_25RB#0_0.15~30_0.15~30



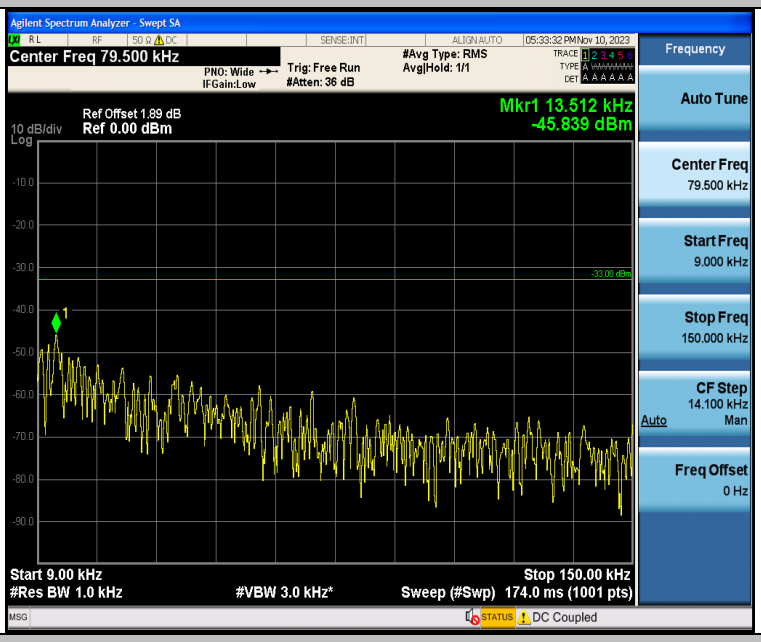
Band13_5MHz_QPSK_23205_25RB#0_30~1000_30~1000



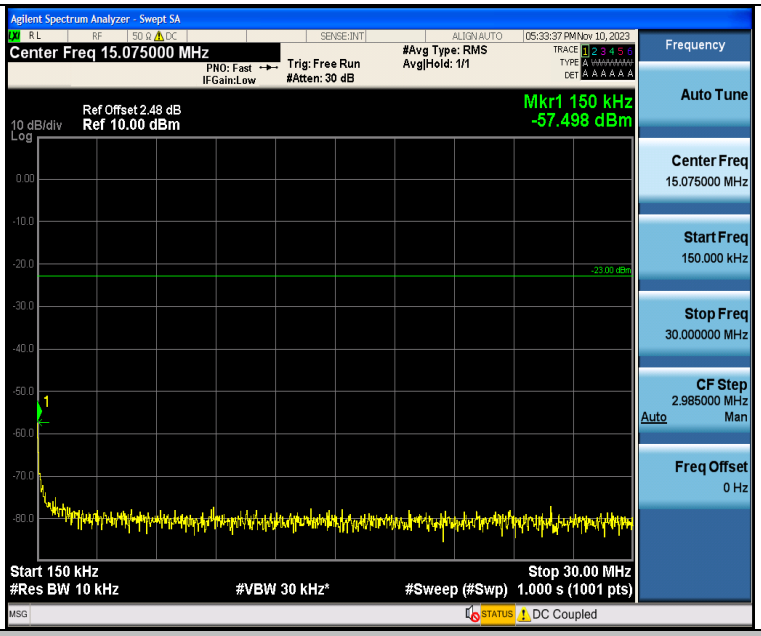
Band13_5MHz_QPSK_23205_25RB#0_1000~3000_1000~3000



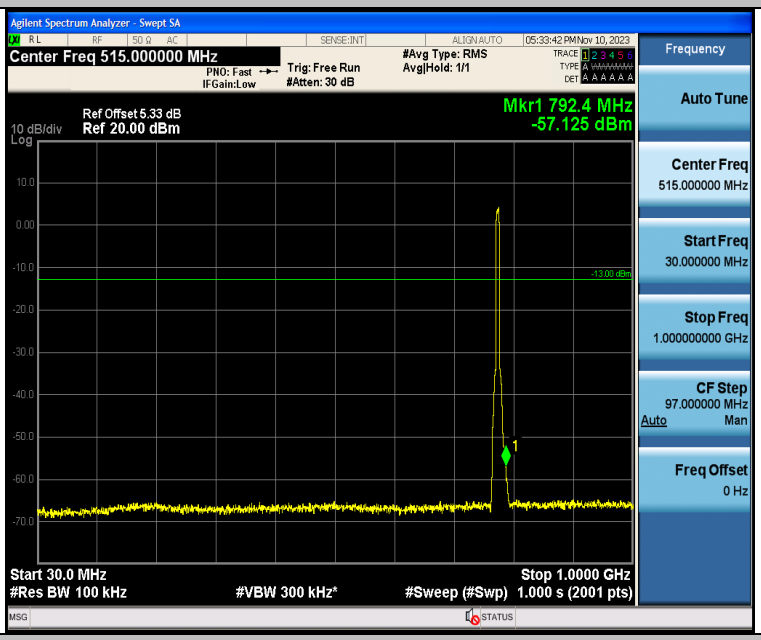
Band13_5MHz_QPSK_23205_25RB#0_3000~10000_3000~10000



Band13_5MHz_16QAM_23205_25RB#0_0.009~0.15_0.009~0.15



Band13_5MHz_16QAM_23205_25RB#0_0.15~30_0.15~30



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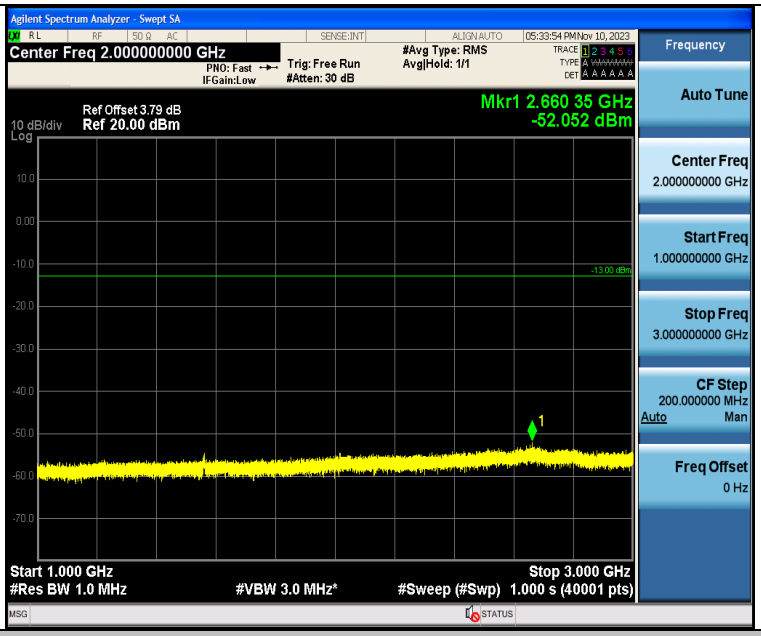
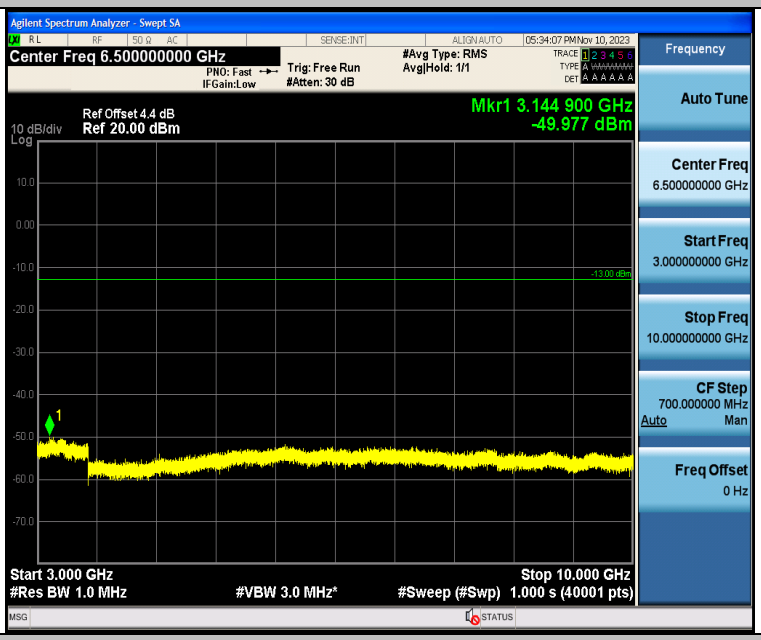
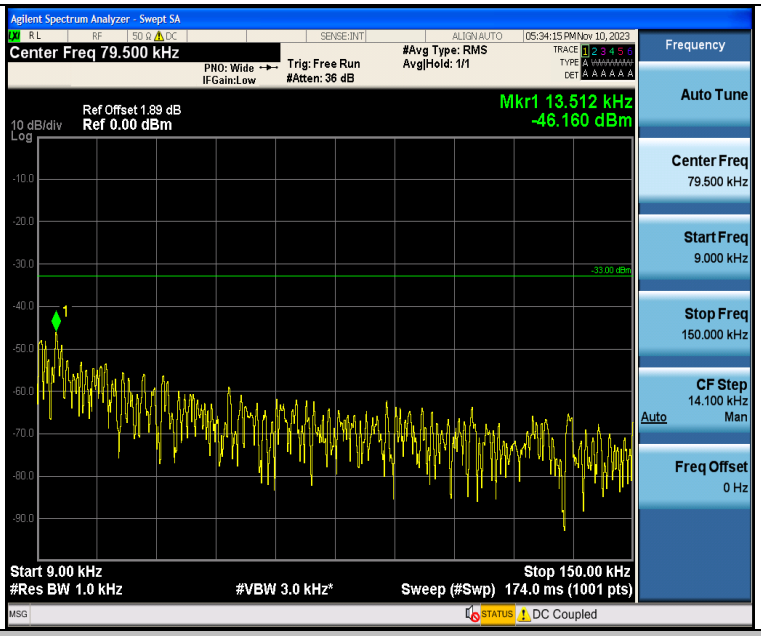


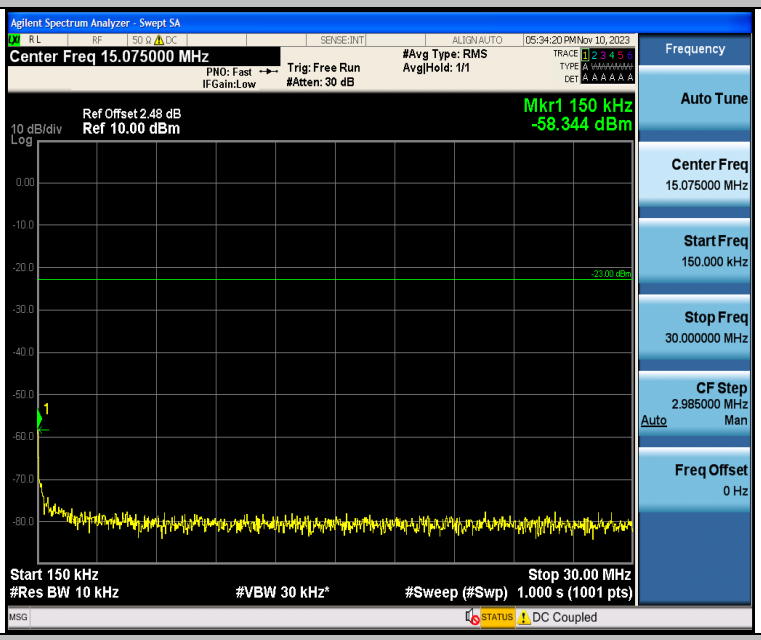
Band13_5MHz_16QAM_23205_25RB#0_1000~3000_1000~3000



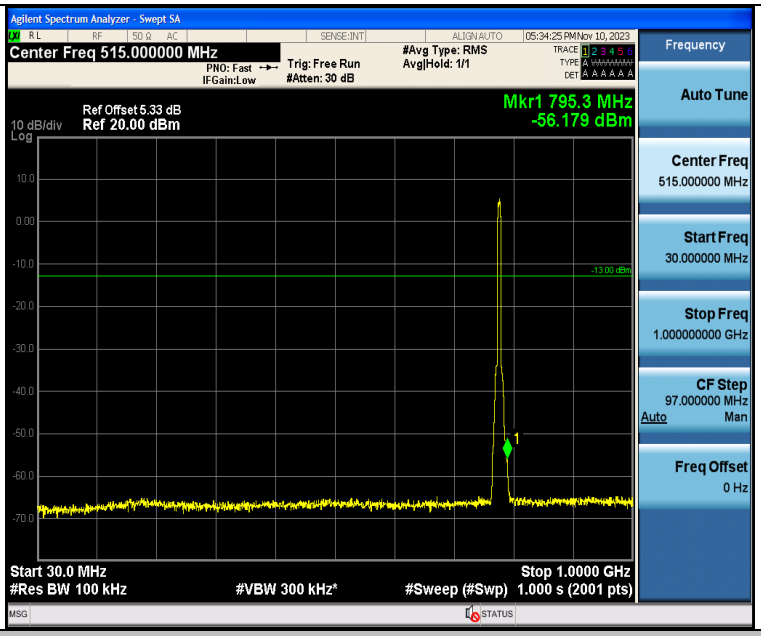
Band13_5MHz_16QAM_23205_25RB#0_3000~10000_3000~10000



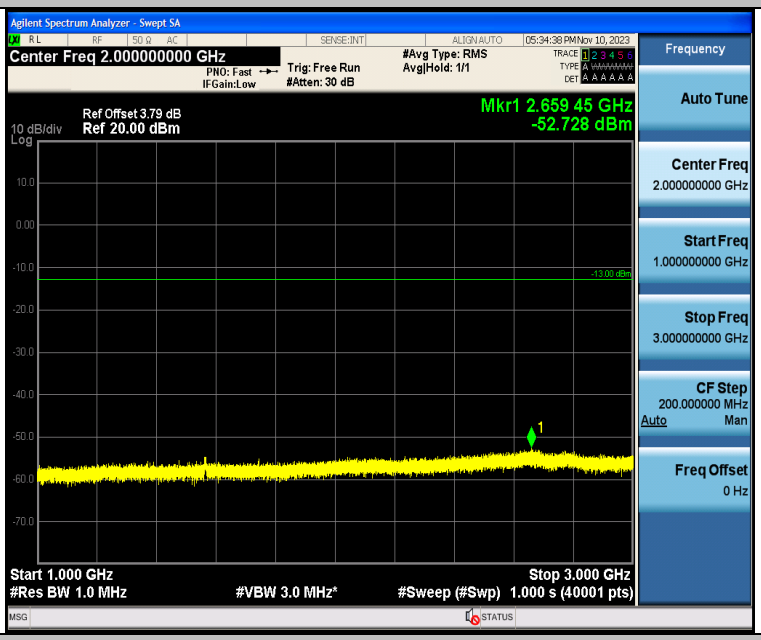
Band13_5MHz_QPSK_23230_25RB#0_0.009~0.15_0.009~0.15



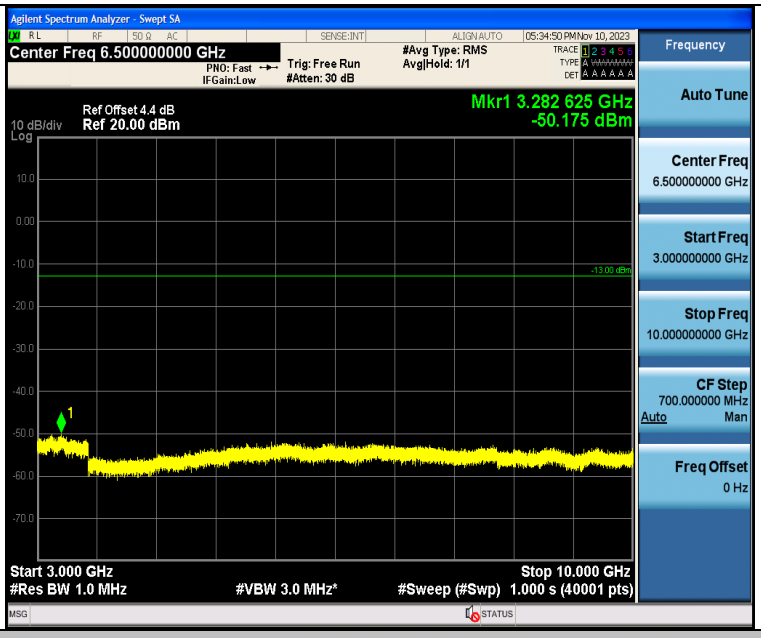
Band13_5MHz_QPSK_23230_25RB#0_0.15~30_0.15~30



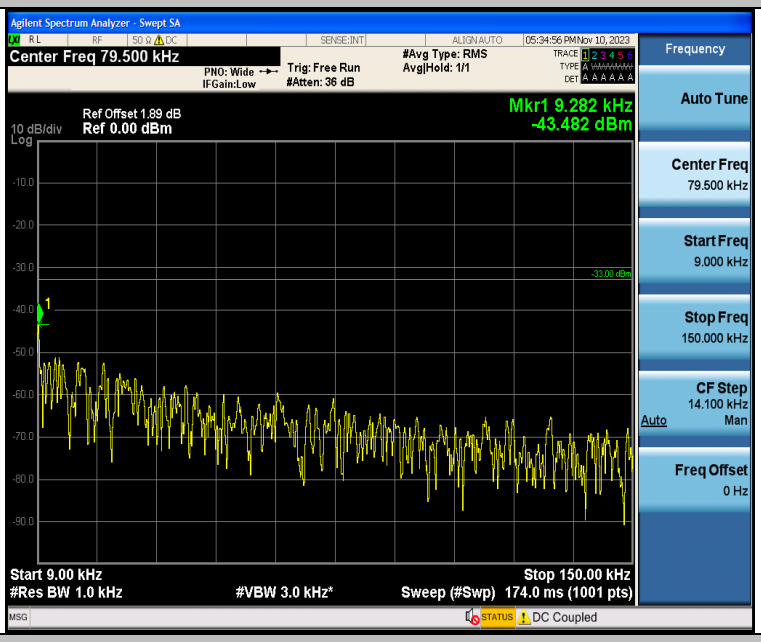
Band13_5MHz_QPSK_23230_25RB#0_30~1000_30~1000



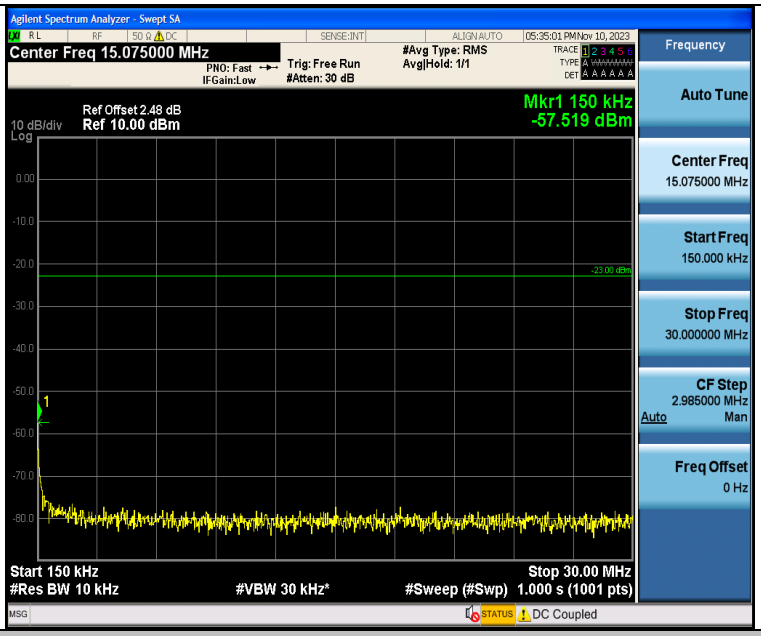
Band13_5MHz_QPSK_23230_25RB#0_1000~3000_1000~3000



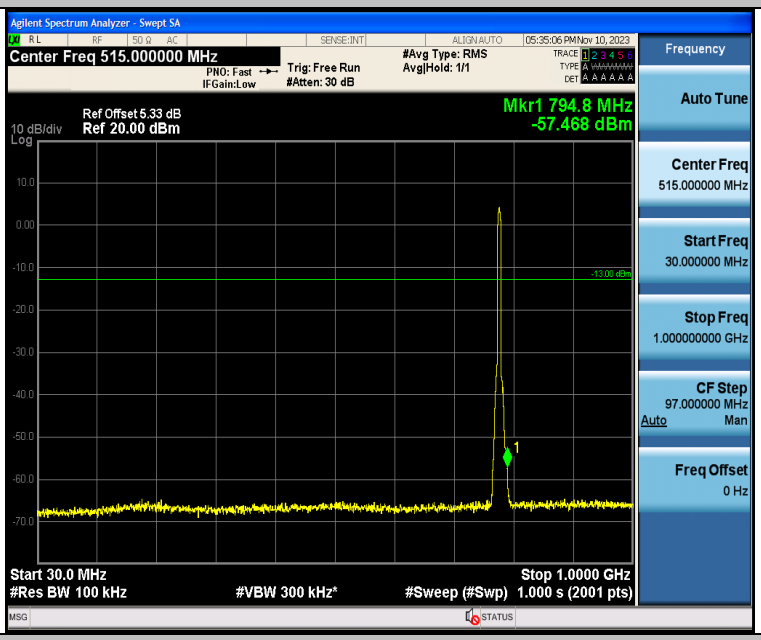
Band13_5MHz_QPSK_23230_25RB#0_3000~10000_3000~10000



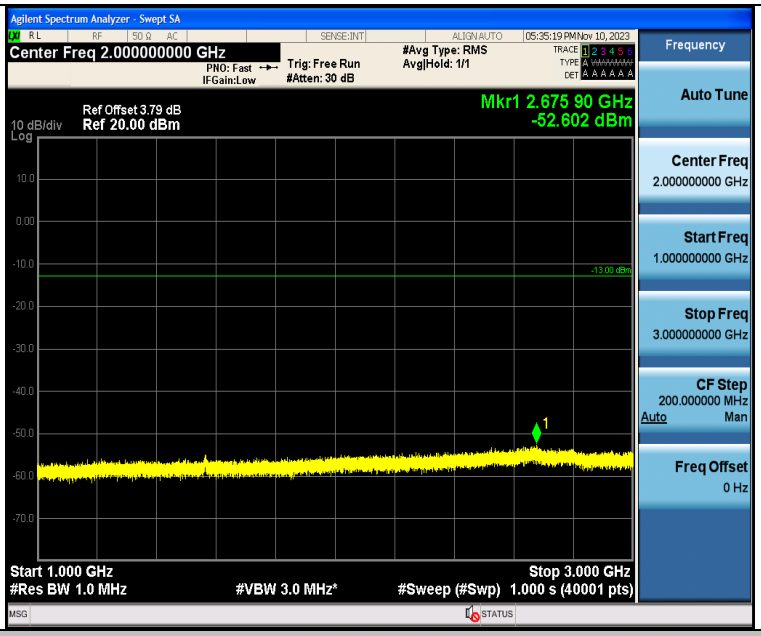
Band13_5MHz_16QAM_23230_25RB#0_0.009~0.15_0.009~0.15



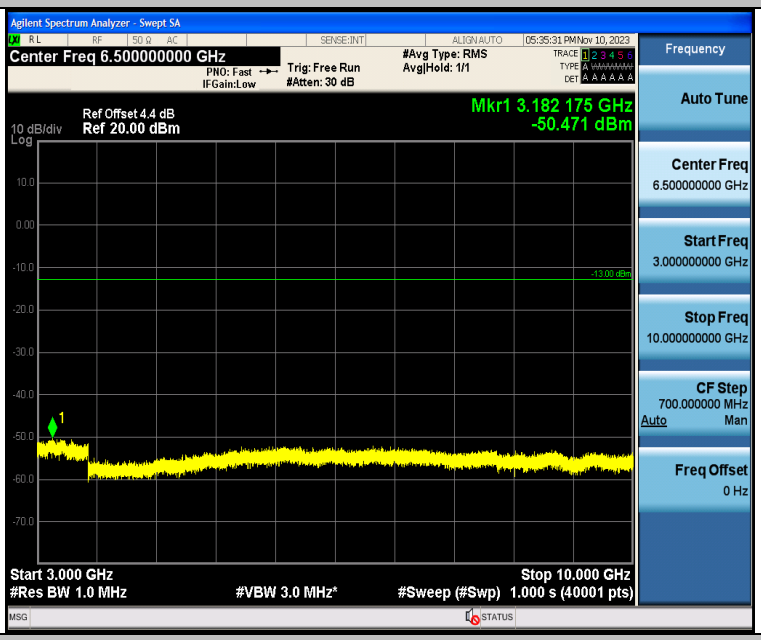
Band13_5MHz_16QAM_23230_25RB#0_0.15~30_0.15~30



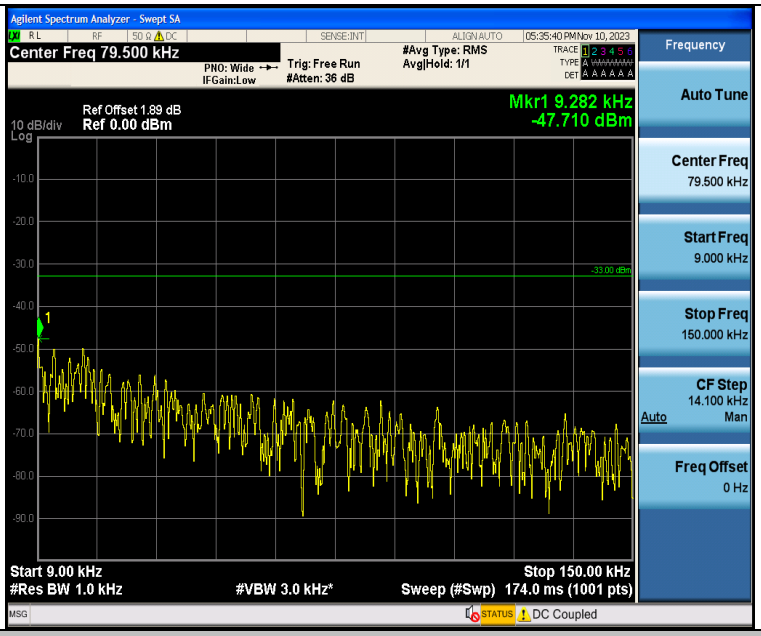
Band13_5MHz_16QAM_23230_25RB#0_30~1000_30~1000



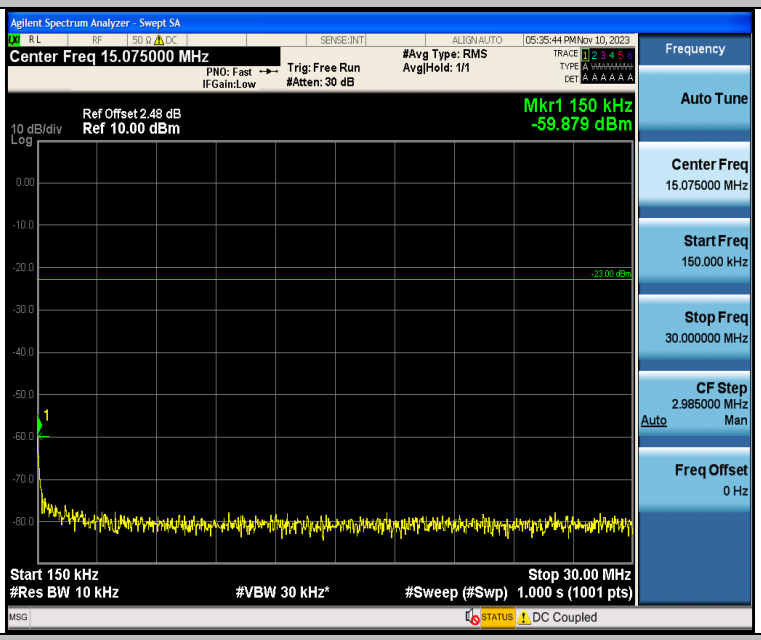
Band13_5MHz_16QAM_23230_25RB#0_1000~3000_1000~3000



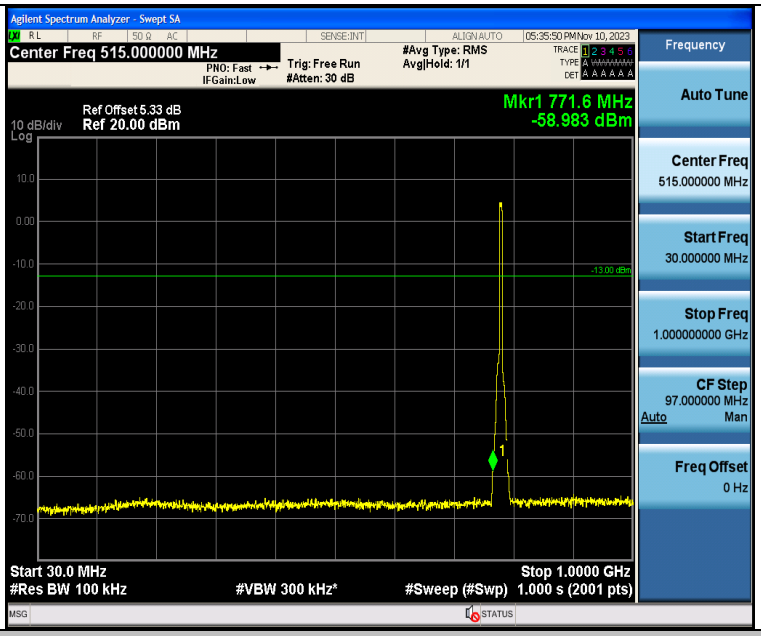
Band13_5MHz_16QAM_23230_25RB#0_3000~10000_3000~10000



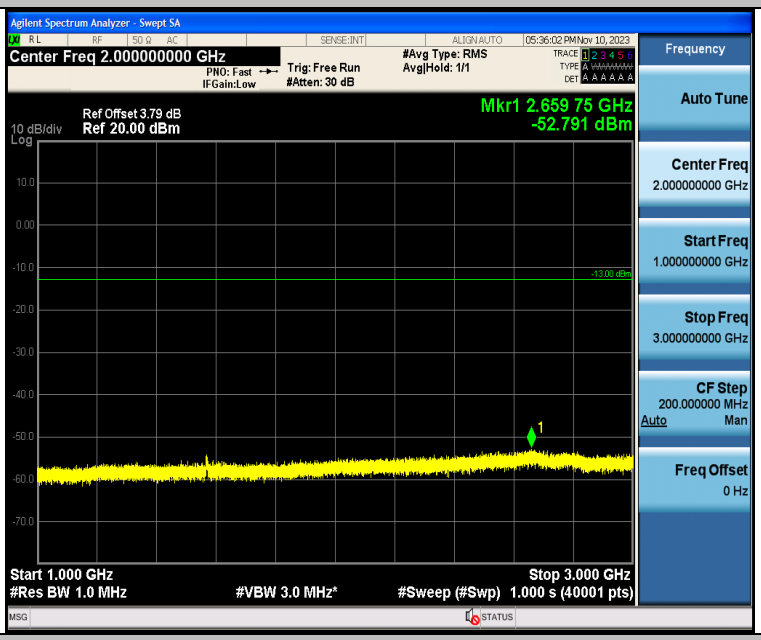
Band13_5MHz_QPSK_23255_25RB#0_0.009~0.15_0.009~0.15



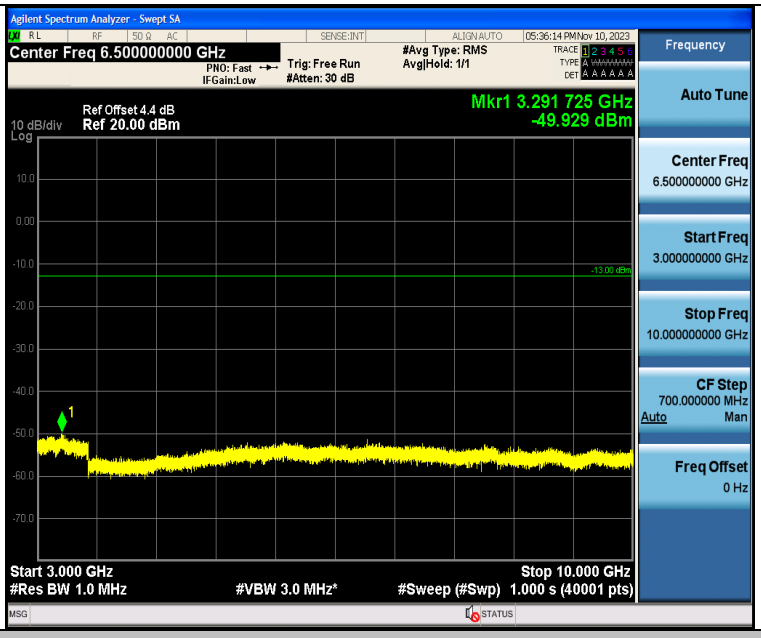
Band13_5MHz_QPSK_23255_25RB#0_0.15~30_0.15~30



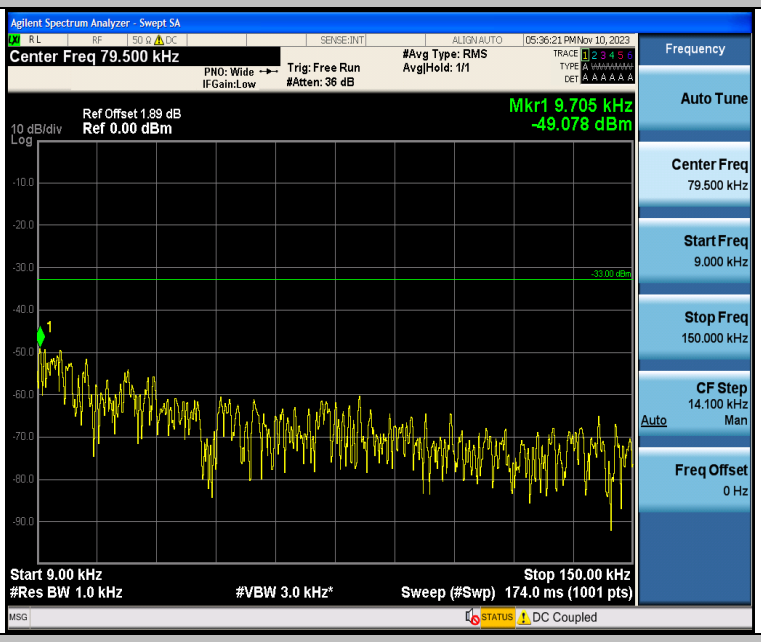
Band13_5MHz_QPSK_23255_25RB#0_30~1000_30~1000



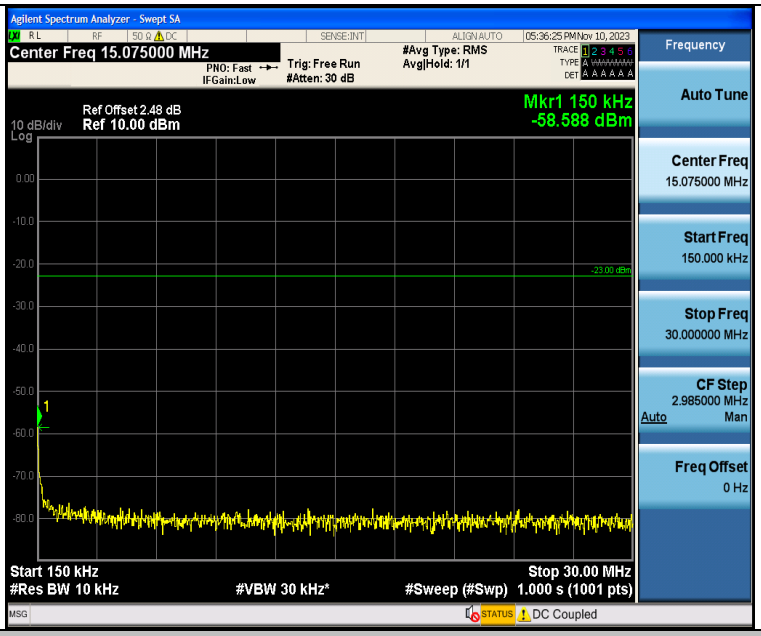
Band13_5MHz_QPSK_23255_25RB#0_1000~3000_1000~3000



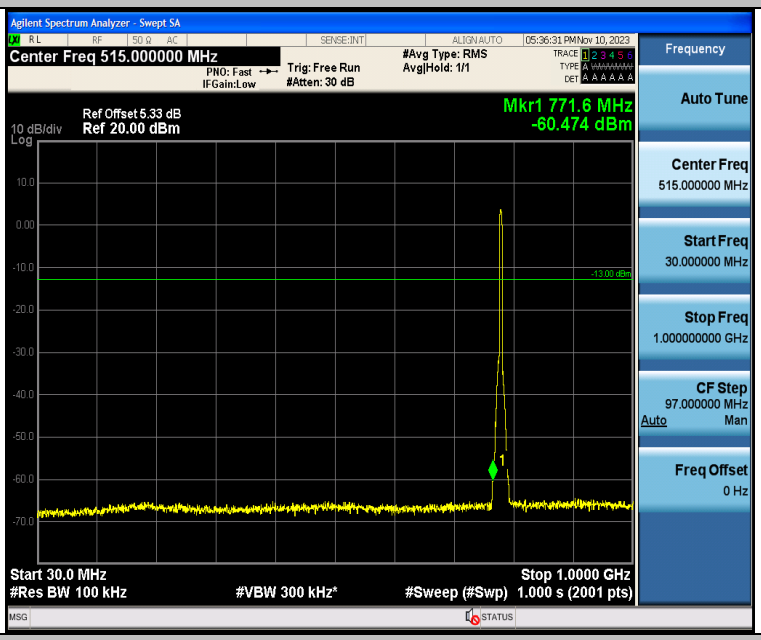
Band13_5MHz_QPSK_23255_25RB#0_3000~10000_3000~10000



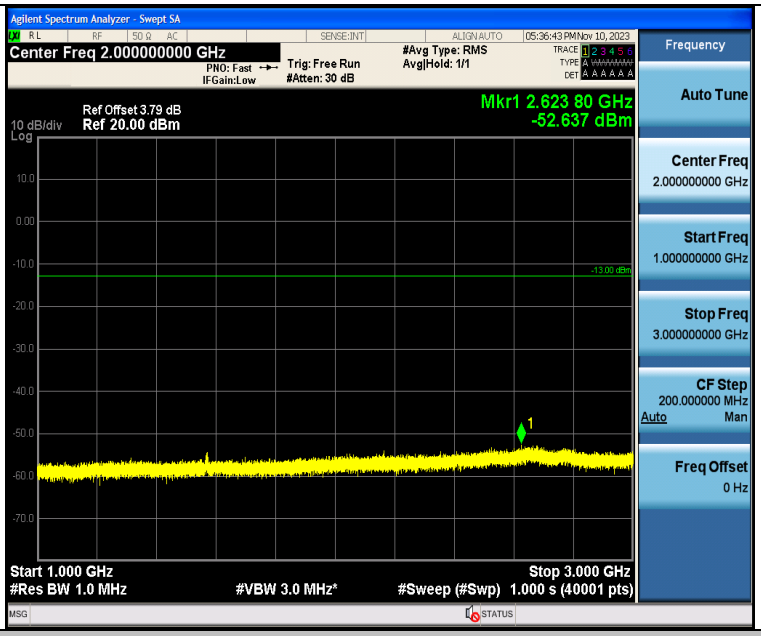
Band13_5MHz_16QAM_23255_25RB#0_0.009~0.15_0.009~0.15



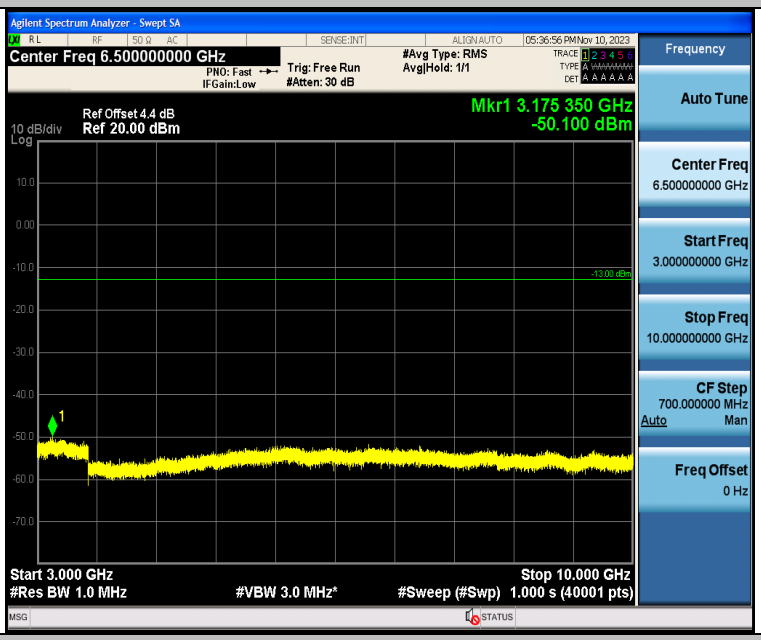
Band13_5MHz_16QAM_23255_25RB#0_0.15~30_0.15~30



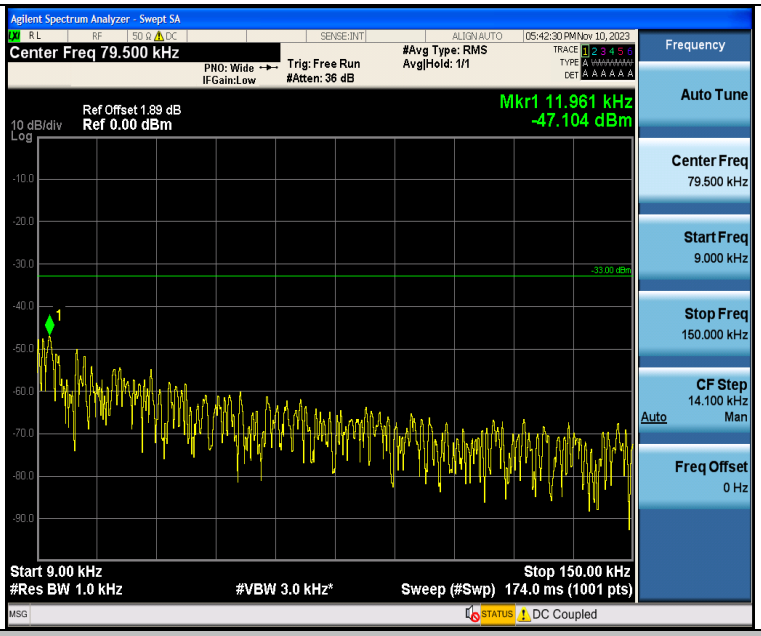
Band13_5MHz_16QAM_23255_25RB#0_30~1000_30~1000



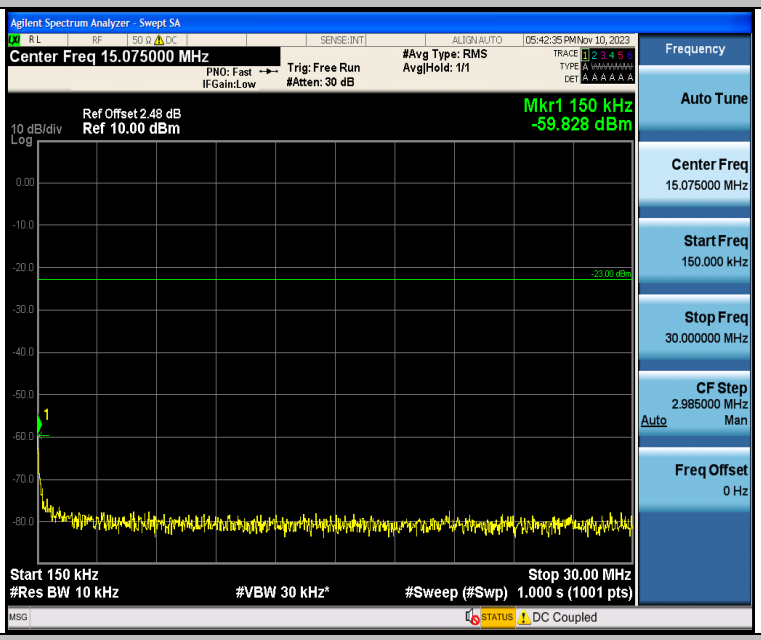
Band13_5MHz_16QAM_23255_25RB#0_1000~3000_1000~3000



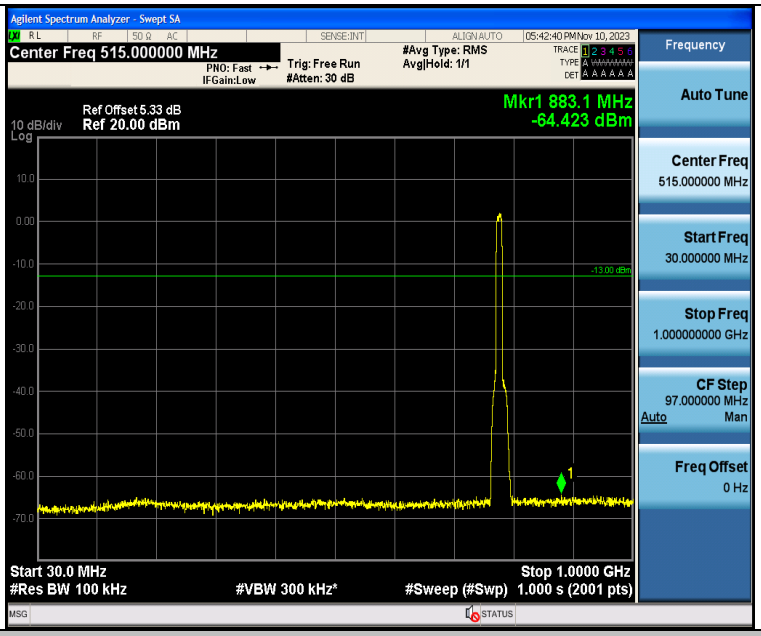
Band13_5MHz_16QAM_23255_25RB#0_3000~10000_3000~10000



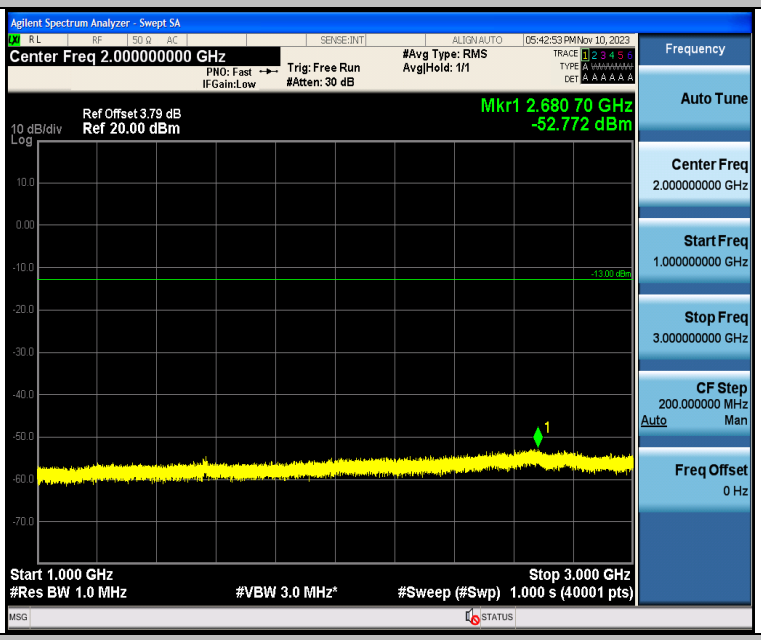
Band13_10MHz_QPSK_23230_50RB#0_0.009~0.15_0.009~0.15



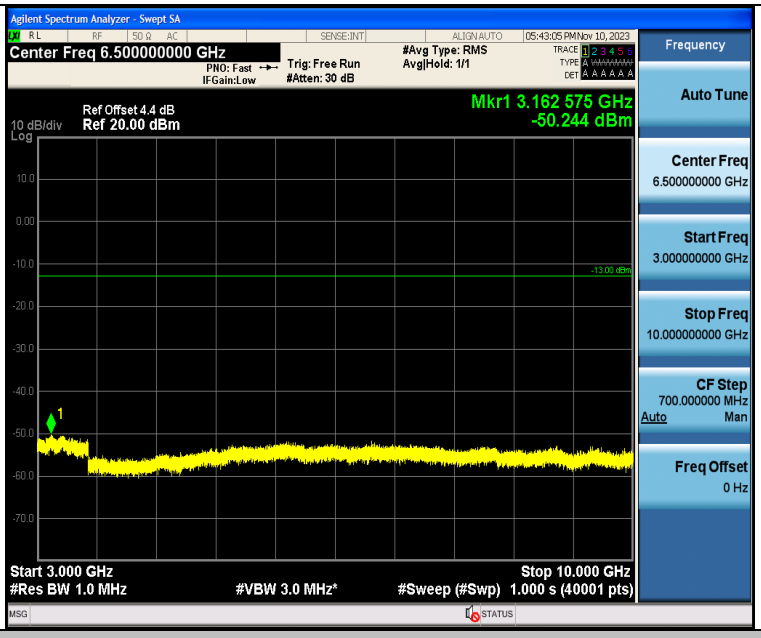
Band13_10MHz_QPSK_23230_50RB#0_0.15~30_0.15~30



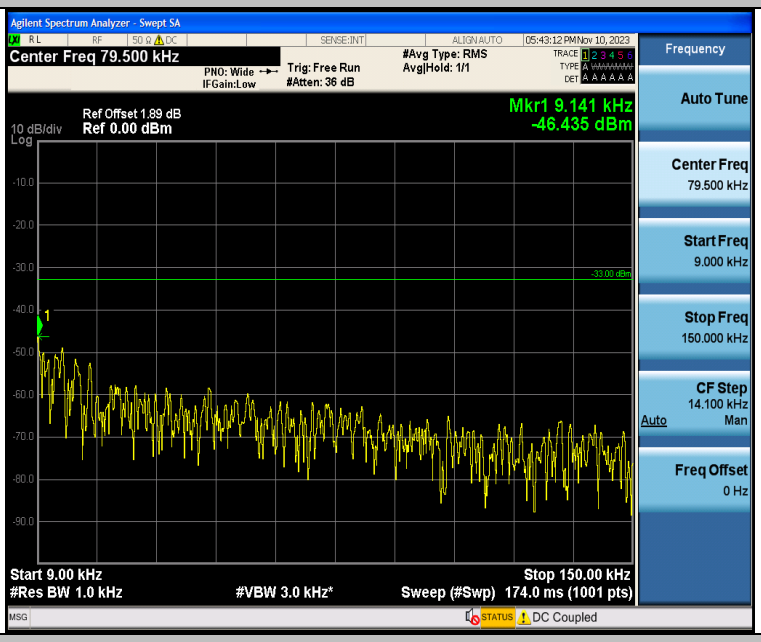
Band13_10MHz_QPSK_23230_50RB#0_30~1000_30~1000



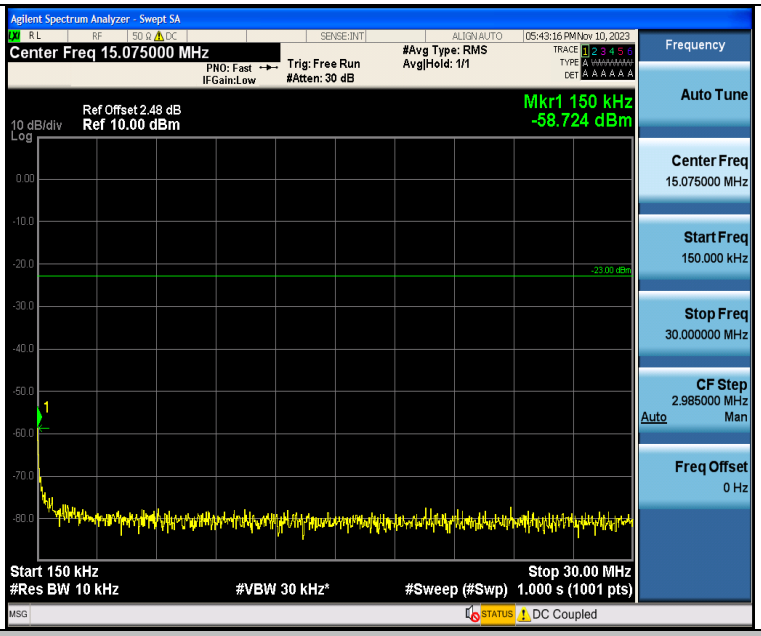
Band13_10MHz_QPSK_23230_50RB#0_1000~3000_1000~3000



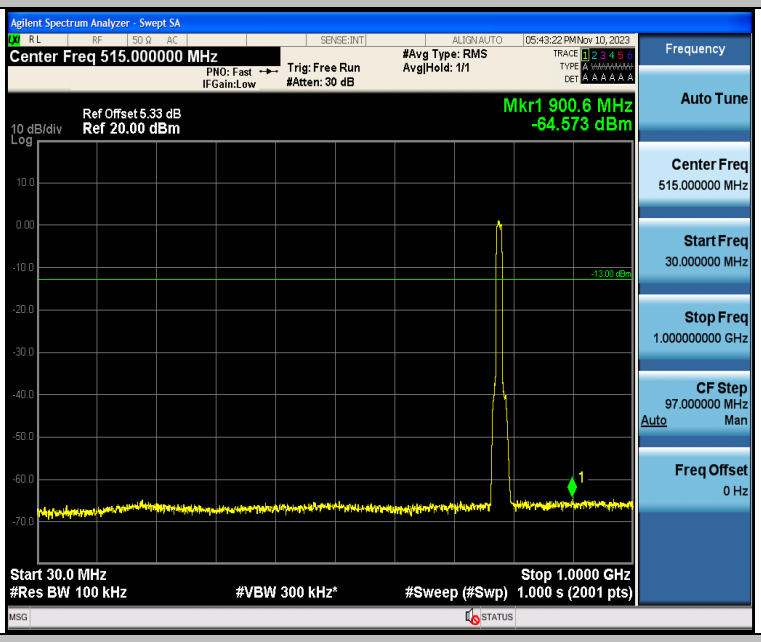
Band13_10MHz_QPSK_23230_50RB#0_3000~10000_3000~10000



Band13_10MHz_16QAM_23230_50RB#0_0.009~0.15_0.009~0.15

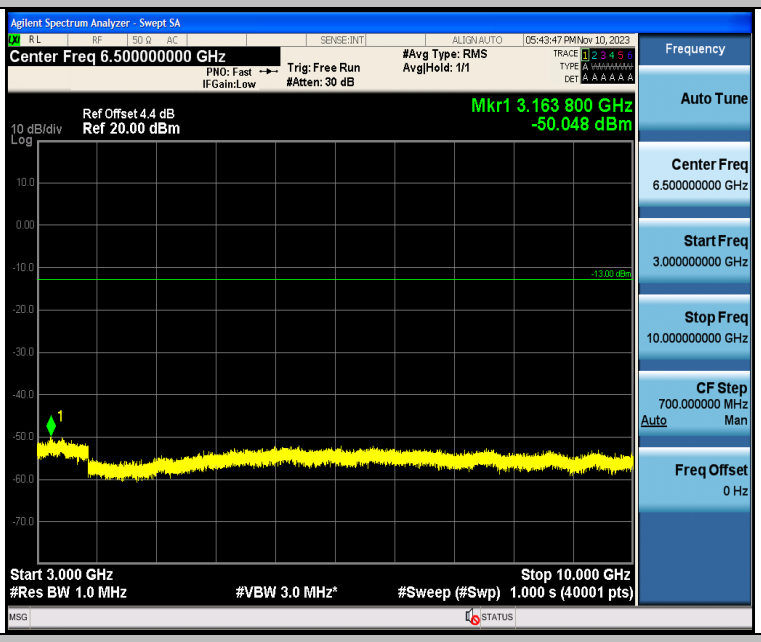


Band13_10MHz_16QAM_23230_50RB#0_0.15~30_0.15~30



Band13_10MHz_16QAM_23230_50RB#0_30~1000_30~1000

Band13_10MHz_16QAM_23230_50RB#0_1000~3000_1000~3000



Band13_10MHz_16QAM_23230_50RB#0_3000~10000_3000~10000

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-1.52	-0.001950	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-2.15	-0.002758	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	2.63	0.003374	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	1.97	0.002527	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	3.79	0.004862	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	4.55	0.005837	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	4.01	0.005128	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	3.32	0.004246	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	3.26	0.004169	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	5.66	0.007238	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	4.18	0.005345	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	5.06	0.006471	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	5.49	0.006998	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	4.32	0.005507	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	4.68	0.005966	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	4.25	0.005417	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	3.45	0.004398	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	2.37	0.003021	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-2.72	-0.003478	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-2.66	-0.003402	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-1.97	-0.002519	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	3.23	0.004130	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	-1.66	-0.002123	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	2.76	0.003529	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-3.16	-0.004054	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	1.20	0.001539	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	-3.22	-0.004131	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-1.96	-0.002514	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-3.50	-0.004490	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-2.29	-0.002938	±2.5	PASS

Band13	5MHz	QPSK	23205	25RB#0	NV	30	2.35	0.003015	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	2.20	0.002822	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	3.05	0.003913	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	2.12	0.002720	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	4.18	0.005362	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	3.83	0.004913	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	7.65	0.009814	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	3.08	0.003951	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	2.90	0.003720	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	2.19	0.002809	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	3.09	0.003964	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	3.62	0.004644	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	2.57	0.003286	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	4.06	0.005192	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	4.18	0.005345	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	3.68	0.004706	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	4.29	0.005486	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	3.71	0.004744	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	3.59	0.004591	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	5.18	0.006624	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	4.53	0.005793	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	3.56	0.004552	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	3.09	0.003951	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	3.60	0.004604	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	3.12	0.003990	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	2.98	0.003811	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	2.53	0.003235	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	2.39	0.003056	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	3.52	0.004501	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	4.66	0.005959	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	4.49	0.005723	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	1.99	0.002537	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	4.51	0.005749	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	2.69	0.003429	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	4.32	0.005507	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	4.61	0.005876	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	3.16	0.004028	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	2.15	0.002741	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	2.76	0.003518	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	3.02	0.003850	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	3.08	0.003926	±2.5	PASS

Band13	5MHz	16QAM	23255	25RB#0	NV	-10	2.25	0.002868	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	3.06	0.003901	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	4.41	0.005621	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	3.72	0.004742	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	2.09	0.002664	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	2.32	0.002957	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	3.40	0.004334	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-2.60	-0.003325	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	1.73	0.002212	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-2.79	-0.003568	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	1.39	0.001777	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-4.39	-0.005614	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-1.44	-0.001841	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-3.05	-0.003900	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-2.36	-0.003018	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-3.40	-0.004348	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	15.22	0.019463	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	3.05	0.003900	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-10	-1.53	-0.001957	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-13.36	-0.017084	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-2.05	-0.002621	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-1.67	-0.002136	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	-2.39	-0.003056	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	1.79	0.002289	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	-2.00	-0.002558	±2.5	PASS