

FCC LTE Band Test Data

FCC ID : **2BL6S-MA9108**

Company: : **Sieva Networks**

EUT : **4G Dash Camera**

Model Number : **MA9108**

Reviewed By : **Eric Wang**

Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	24.10	PASS
Band13	5MHz	QPSK	23205	1RB#12	24.23	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.92	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.97	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.03	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.00	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.06	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.79	PASS
Band13	5MHz	QPSK	23230	1RB#24	24.28	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.91	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.84	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.90	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.90	PASS
Band13	5MHz	QPSK	23255	1RB#0	24.07	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.27	PASS
Band13	5MHz	QPSK	23255	1RB#24	24.08	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.00	PASS
Band13	5MHz	QPSK	23255	12RB#6	23.01	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.02	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.97	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.45	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.00	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.82	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.13	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.10	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.07	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.16	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.07	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.42	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.00	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.94	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.93	PASS
Band13	5MHz	16QAM	23230	12RB#13	22.06	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.91	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.90	PASS

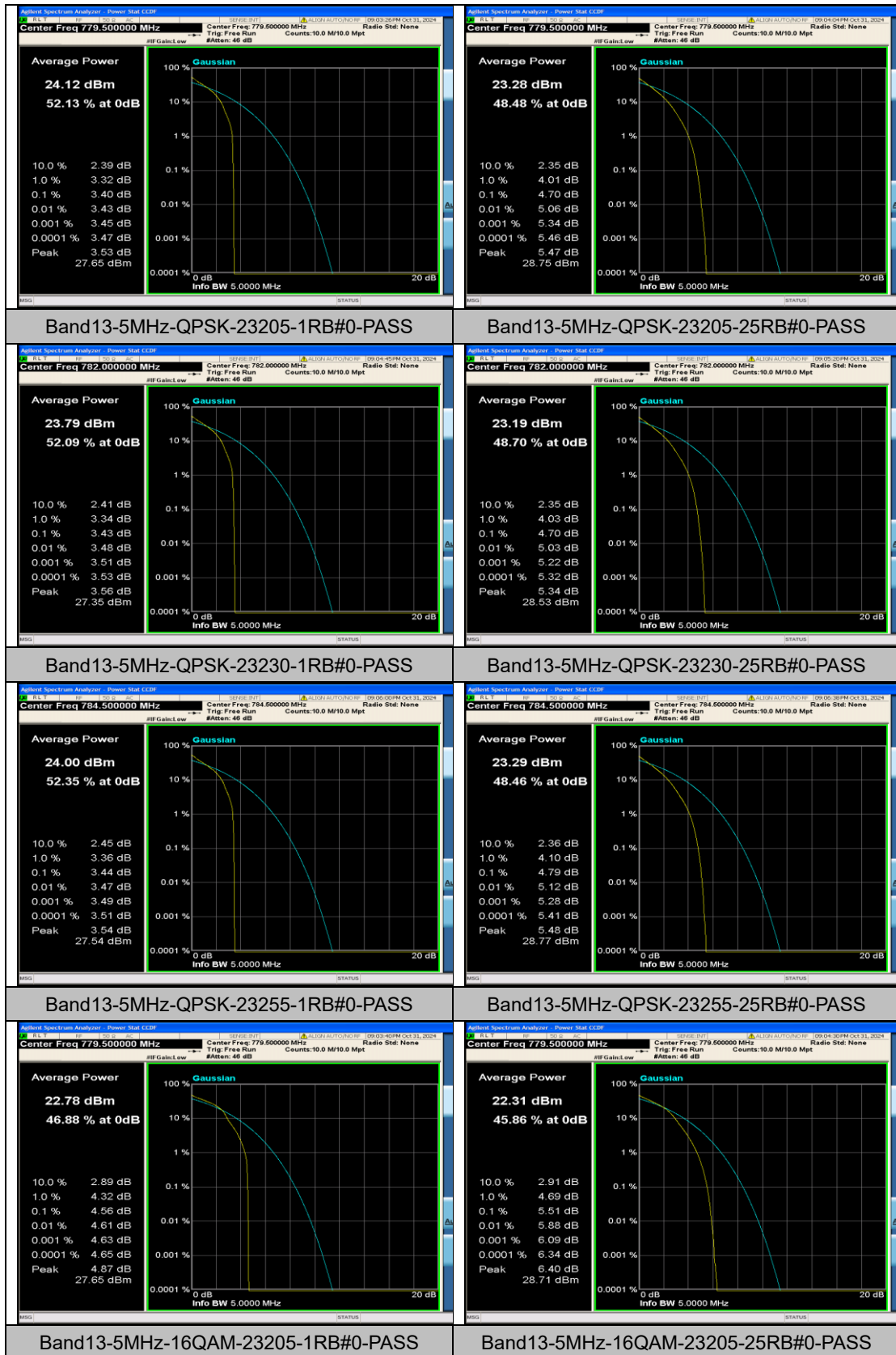
Band13	5MHz	16QAM	23255	1RB#12	22.82	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.85	PASS
Band13	5MHz	16QAM	23255	12RB#0	21.97	PASS
Band13	5MHz	16QAM	23255	12RB#6	21.97	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.99	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.15	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.63	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.83	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.59	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.81	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.83	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.90	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.80	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.68	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.00	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.73	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.89	PASS
Band13	10MHz	16QAM	23230	25RB#12	21.81	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.79	PASS

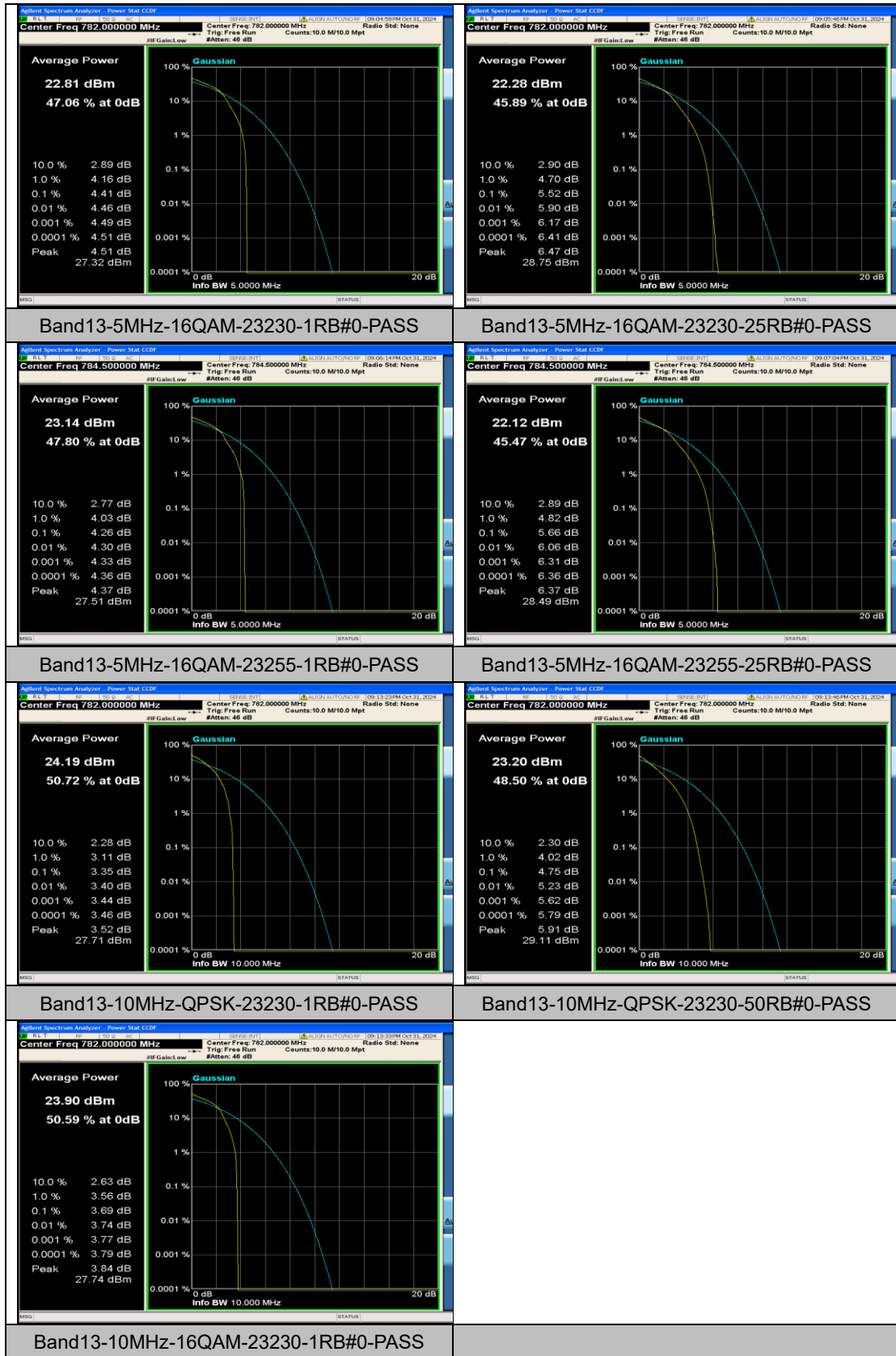
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	3.40	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.70	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	3.43	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.70	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	3.44	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.79	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	4.56	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.51	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	4.41	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.52	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	4.26	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.66	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	3.35	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	4.75	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	3.69	13	PASS

Test Graphs



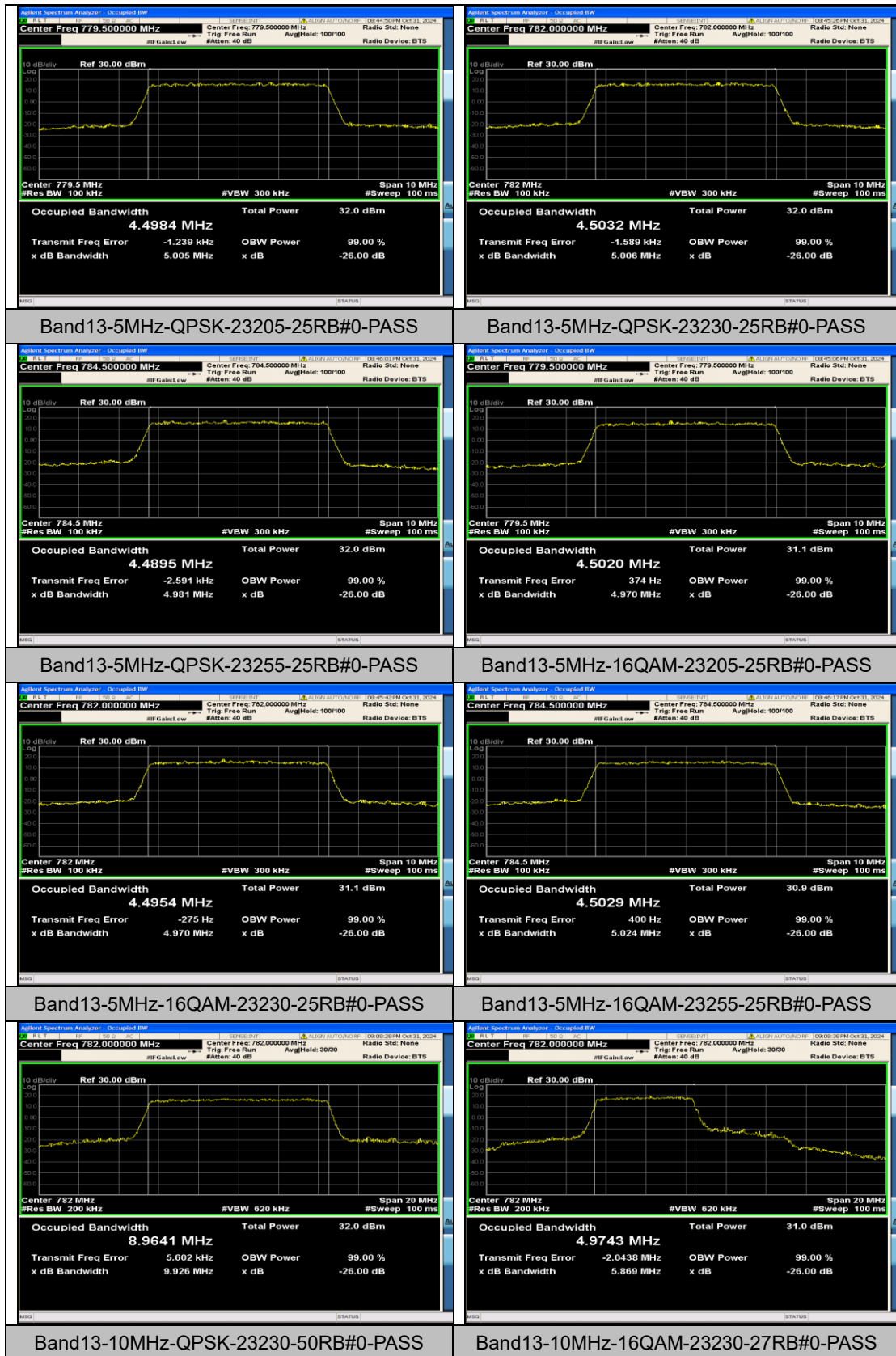


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4984	5.005	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5032	5.006	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4895	4.981	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5020	4.970	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4954	4.970	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5029	5.024	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9641	9.926	PASS
Band13	10MHz	16QAM	23230	27RB#0	4.9743	5.869	PASS

Test Graphs

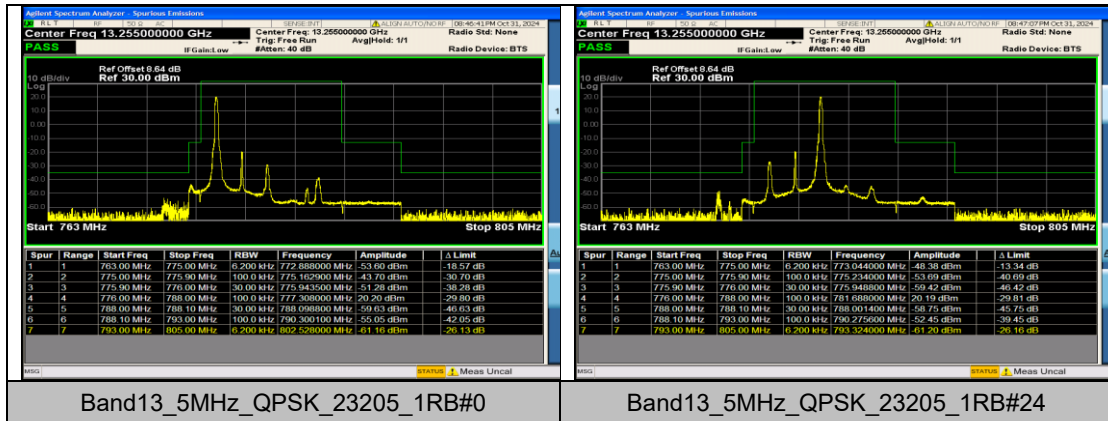


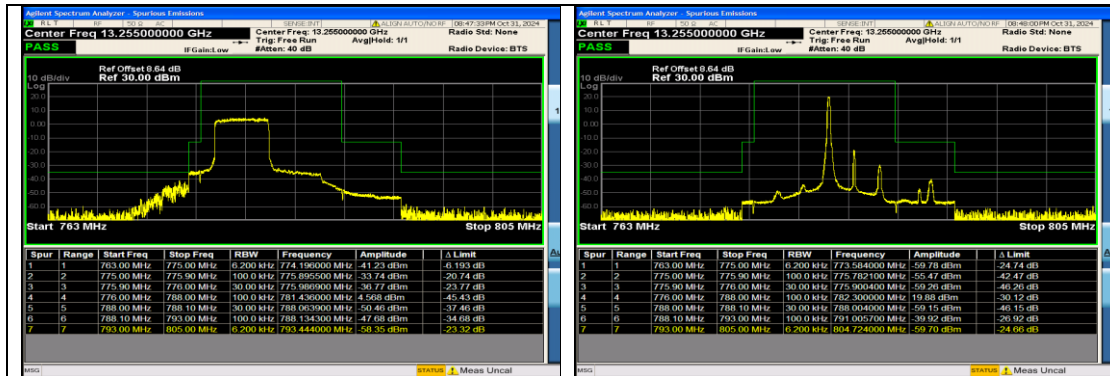
Appendix D: Band Edge

Test Result

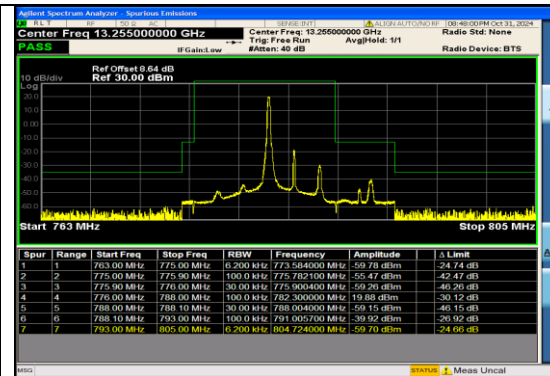
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-53.60	PASS
Band13	5MHz	QPSK	23205	1RB#24	-48.38	PASS
Band13	5MHz	QPSK	23205	25RB#0	-41.23	PASS
Band13	5MHz	QPSK	23255	1RB#0	-59.70	PASS
Band13	5MHz	QPSK	23255	1RB#24	-59.84	PASS
Band13	5MHz	QPSK	23255	25RB#0	-54.01	PASS
Band13	5MHz	16QAM	23205	1RB#0	-55.48	PASS
Band13	5MHz	16QAM	23205	1RB#24	-48.23	PASS
Band13	5MHz	16QAM	23205	25RB#0	-42.92	PASS
Band13	5MHz	16QAM	23255	1RB#0	-60.23	PASS
Band13	5MHz	16QAM	23255	1RB#24	-58.75	PASS
Band13	5MHz	16QAM	23255	25RB#0	-53.92	PASS
Band13	10MHz	QPSK	23230	1RB#0	-53.52	PASS
Band13	10MHz	QPSK	23230	1RB#49	-54.11	PASS
Band13	10MHz	QPSK	23230	50RB#0	-42.92	PASS
Band13	10MHz	16QAM	23230	1RB#0	-55.01	PASS
Band13	10MHz	16QAM	23230	1RB#49	-53.95	PASS

Test Graphs

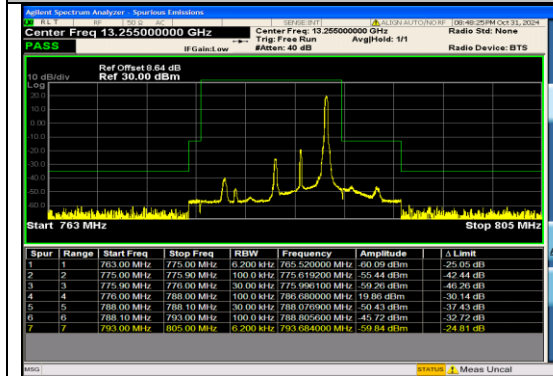




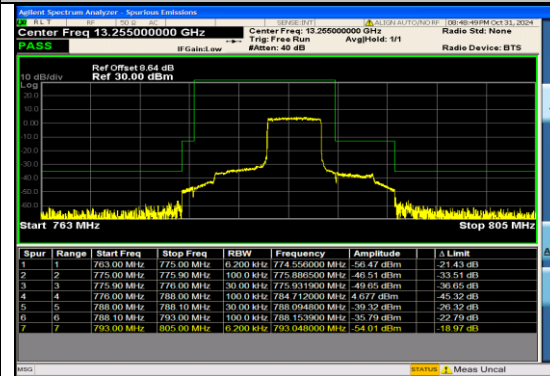
Band13_5MHz_QPSK_23205_25RB#0



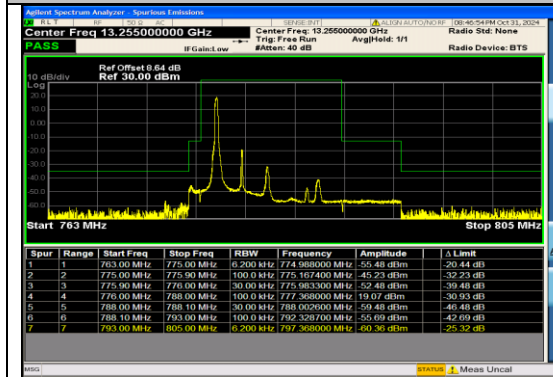
Band13_5MHz_QPSK_23255_1RB#0



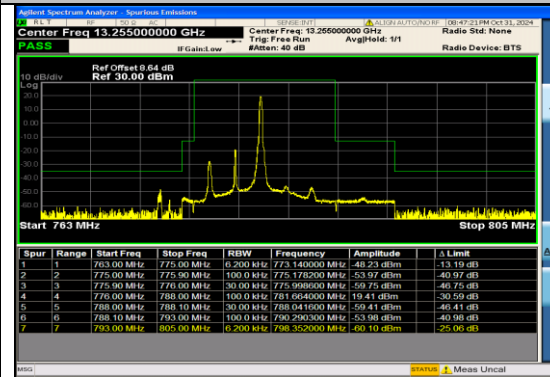
Band13_5MHz_QPSK_23255_1RB#24



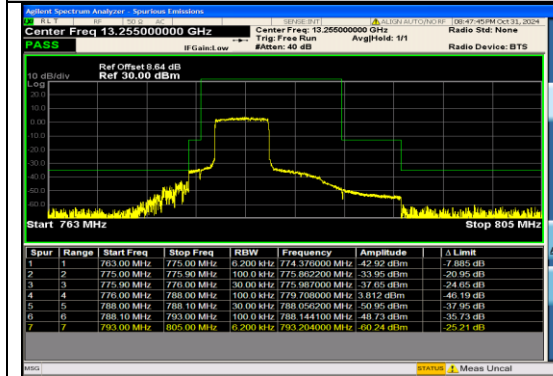
Band13_5MHz_QPSK_23255_25RB#0



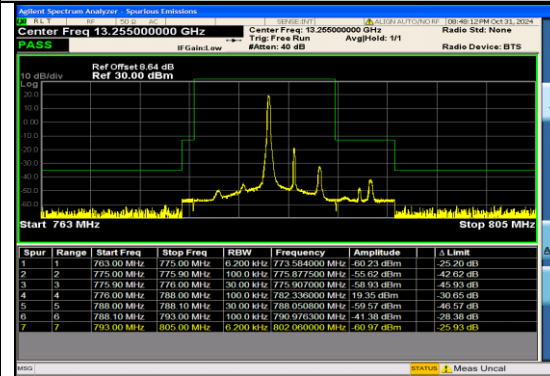
Band13_5MHz_16QAM_23205_1RB#0



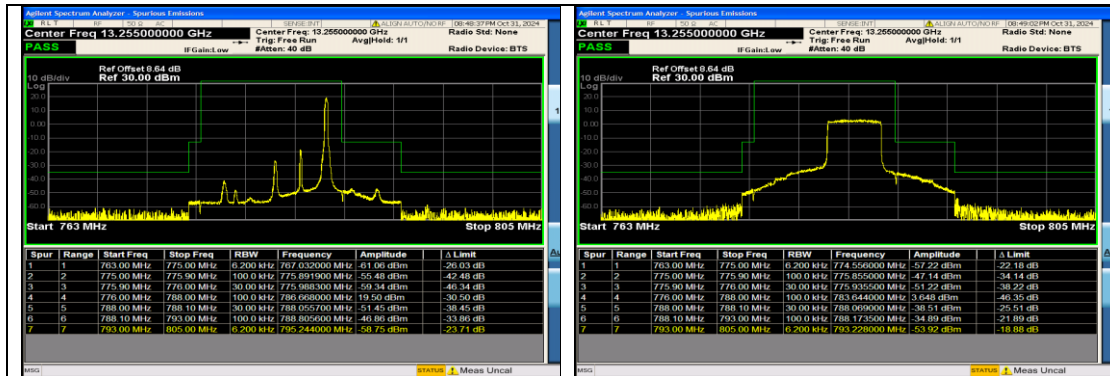
Band13_5MHz_16QAM_23205_1RB#24



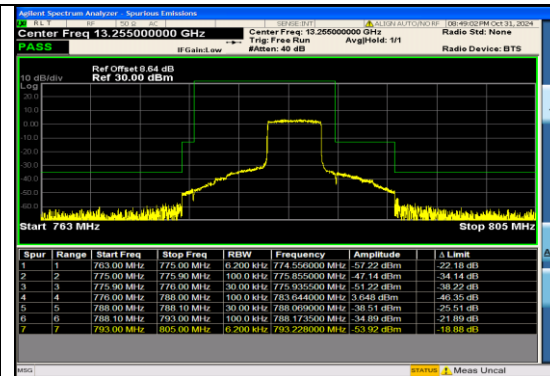
Band13_5MHz_16QAM_23205_25RB#0



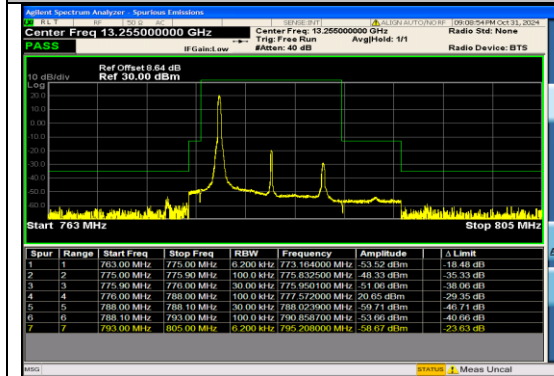
Band13_5MHz_16QAM_23255_1RB#0



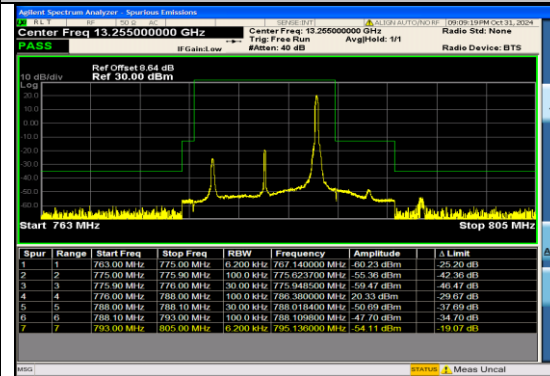
Band13_5MHz_16QAM_23255_1RB#24



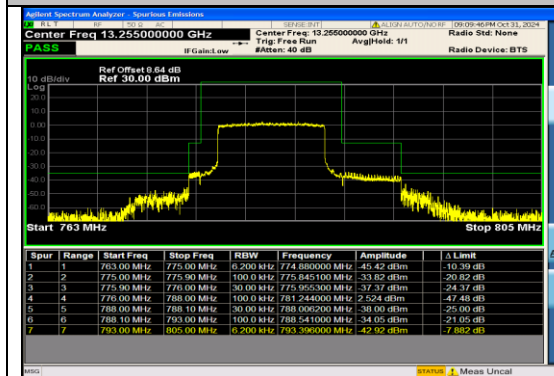
Band13_5MHz_16QAM_23255_25RB#0



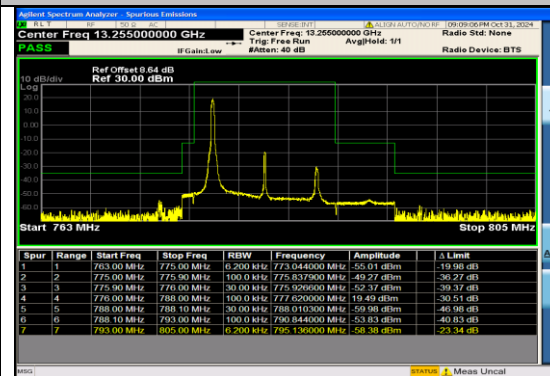
Band13_10MHz_QPSK_23230_1RB#0



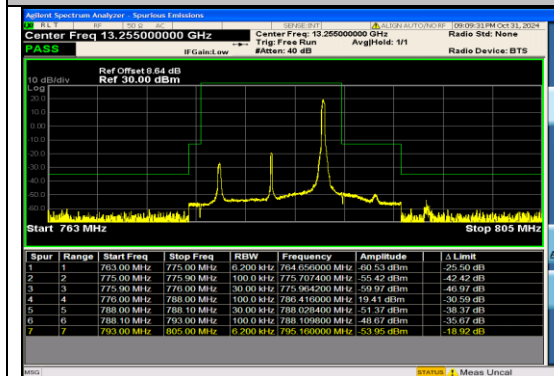
Band13_10MHz_QPSK_23230_1RB#49



Band13_10MHz_QPSK_23230_50RB#0



Band13_10MHz_16QAM_23230_1RB#0



Band13_10MHz_16QAM_23230_1RB#49

Appendix E: Conducted Spurious Emission

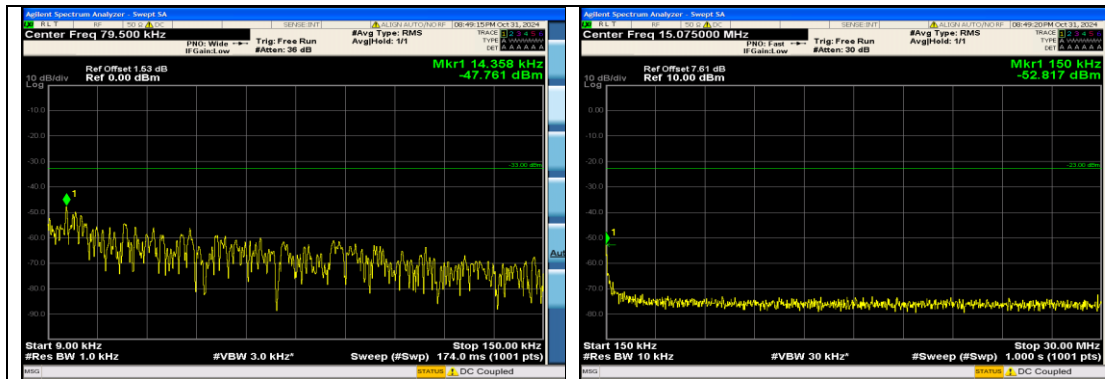
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	0.009~0.15	-47.76	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-52.82	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-60.31	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-42.75	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-43.73	PASS
Band13	5MHz	QPSK	23205	1RB#24	0.009~0.15	-46.62	PASS
Band13	5MHz	QPSK	23205	1RB#24	0.15~30	-55.16	PASS
Band13	5MHz	QPSK	23205	1RB#24	30~1000	-60.04	PASS
Band13	5MHz	QPSK	23205	1RB#24	1000~3000	-43.57	PASS
Band13	5MHz	QPSK	23205	1RB#24	3000~10000	-43.24	PASS
Band13	5MHz	QPSK	23205	25RB#0	0.009~0.15	-49.24	PASS
Band13	5MHz	QPSK	23205	25RB#0	0.15~30	-54.84	PASS
Band13	5MHz	QPSK	23205	25RB#0	30~1000	-52.30	PASS
Band13	5MHz	QPSK	23205	25RB#0	1000~3000	-47.17	PASS
Band13	5MHz	QPSK	23205	25RB#0	3000~10000	-43.51	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-46.08	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-52.27	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-60.46	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-43.98	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-43.70	PASS
Band13	5MHz	QPSK	23230	1RB#24	0.009~0.15	-48.42	PASS
Band13	5MHz	QPSK	23230	1RB#24	0.15~30	-51.32	PASS
Band13	5MHz	QPSK	23230	1RB#24	30~1000	-60.44	PASS
Band13	5MHz	QPSK	23230	1RB#24	1000~3000	-42.31	PASS
Band13	5MHz	QPSK	23230	1RB#24	3000~10000	-43.75	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.009~0.15	-51.34	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.15~30	-53.68	PASS
Band13	5MHz	QPSK	23230	25RB#0	30~1000	-53.28	PASS
Band13	5MHz	QPSK	23230	25RB#0	1000~3000	-46.50	PASS
Band13	5MHz	QPSK	23230	25RB#0	3000~10000	-42.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-48.27	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-51.06	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-60.48	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-42.65	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-43.43	PASS
Band13	5MHz	QPSK	23255	1RB#24	0.009~0.15	-44.69	PASS

Band13	5MHz	QPSK	23255	1RB#24	0.15~30	-53.60	PASS
Band13	5MHz	QPSK	23255	1RB#24	30~1000	-59.95	PASS
Band13	5MHz	QPSK	23255	1RB#24	1000~3000	-42.71	PASS
Band13	5MHz	QPSK	23255	1RB#24	3000~10000	-43.29	PASS
Band13	5MHz	QPSK	23255	25RB#0	0.009~0.15	-46.38	PASS
Band13	5MHz	QPSK	23255	25RB#0	0.15~30	-52.99	PASS
Band13	5MHz	QPSK	23255	25RB#0	30~1000	-56.31	PASS
Band13	5MHz	QPSK	23255	25RB#0	1000~3000	-46.52	PASS
Band13	5MHz	QPSK	23255	25RB#0	3000~10000	-43.59	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-49.83	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-53.85	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-59.66	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-44.43	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-43.75	PASS
Band13	5MHz	16QAM	23205	1RB#24	0.009~0.15	-46.75	PASS
Band13	5MHz	16QAM	23205	1RB#24	0.15~30	-52.65	PASS
Band13	5MHz	16QAM	23205	1RB#24	30~1000	-59.93	PASS
Band13	5MHz	16QAM	23205	1RB#24	1000~3000	-43.71	PASS
Band13	5MHz	16QAM	23205	1RB#24	3000~10000	-43.14	PASS
Band13	5MHz	16QAM	23205	25RB#0	0.009~0.15	-46.83	PASS
Band13	5MHz	16QAM	23205	25RB#0	0.15~30	-51.94	PASS
Band13	5MHz	16QAM	23205	25RB#0	30~1000	-55.44	PASS
Band13	5MHz	16QAM	23205	25RB#0	1000~3000	-47.12	PASS
Band13	5MHz	16QAM	23205	25RB#0	3000~10000	-43.40	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-48.29	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-53.35	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-60.03	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-43.29	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-44.03	PASS
Band13	5MHz	16QAM	23230	1RB#24	0.009~0.15	-45.86	PASS
Band13	5MHz	16QAM	23230	1RB#24	0.15~30	-55.05	PASS
Band13	5MHz	16QAM	23230	1RB#24	30~1000	-60.59	PASS
Band13	5MHz	16QAM	23230	1RB#24	1000~3000	-43.93	PASS
Band13	5MHz	16QAM	23230	1RB#24	3000~10000	-43.07	PASS
Band13	5MHz	16QAM	23230	25RB#0	0.009~0.15	-46.54	PASS
Band13	5MHz	16QAM	23230	25RB#0	0.15~30	-51.95	PASS
Band13	5MHz	16QAM	23230	25RB#0	30~1000	-53.96	PASS
Band13	5MHz	16QAM	23230	25RB#0	1000~3000	-46.55	PASS
Band13	5MHz	16QAM	23230	25RB#0	3000~10000	-43.72	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-45.63	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-55.33	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-60.38	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-43.99	PASS

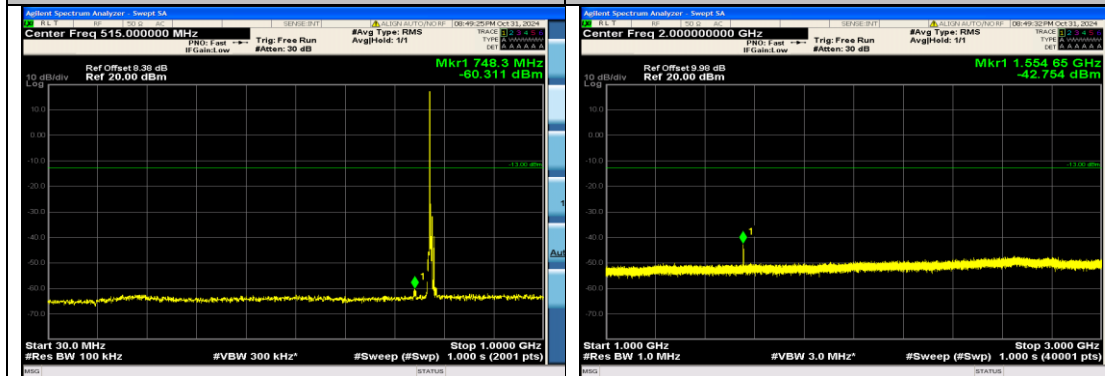
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-43.41	PASS
Band13	5MHz	16QAM	23255	1RB#24	0.009~0.15	-47.79	PASS
Band13	5MHz	16QAM	23255	1RB#24	0.15~30	-51.78	PASS
Band13	5MHz	16QAM	23255	1RB#24	30~1000	-60.51	PASS
Band13	5MHz	16QAM	23255	1RB#24	1000~3000	-44.25	PASS
Band13	5MHz	16QAM	23255	1RB#24	3000~10000	-43.46	PASS
Band13	5MHz	16QAM	23255	25RB#0	0.009~0.15	-47.03	PASS
Band13	5MHz	16QAM	23255	25RB#0	0.15~30	-53.98	PASS
Band13	5MHz	16QAM	23255	25RB#0	30~1000	-57.83	PASS
Band13	5MHz	16QAM	23255	25RB#0	1000~3000	-46.60	PASS
Band13	5MHz	16QAM	23255	25RB#0	3000~10000	-43.45	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-47.26	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-53.28	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-61.58	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-42.69	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-43.56	PASS
Band13	10MHz	QPSK	23230	1RB#49	0.009~0.15	-47.06	PASS
Band13	10MHz	QPSK	23230	1RB#49	0.15~30	-52.72	PASS
Band13	10MHz	QPSK	23230	1RB#49	30~1000	-61.81	PASS
Band13	10MHz	QPSK	23230	1RB#49	1000~3000	-42.81	PASS
Band13	10MHz	QPSK	23230	1RB#49	3000~10000	-43.38	PASS
Band13	10MHz	QPSK	23230	50RB#0	0.009~0.15	-46.56	PASS
Band13	10MHz	QPSK	23230	50RB#0	0.15~30	-53.54	PASS
Band13	10MHz	QPSK	23230	50RB#0	30~1000	-61.66	PASS
Band13	10MHz	QPSK	23230	50RB#0	1000~3000	-46.64	PASS
Band13	10MHz	QPSK	23230	50RB#0	3000~10000	-43.31	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-49.02	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-52.62	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-61.86	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-43.12	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-43.16	PASS
Band13	10MHz	16QAM	23230	1RB#49	0.009~0.15	-47.49	PASS
Band13	10MHz	16QAM	23230	1RB#49	0.15~30	-52.86	PASS
Band13	10MHz	16QAM	23230	1RB#49	30~1000	-61.86	PASS
Band13	10MHz	16QAM	23230	1RB#49	1000~3000	-42.62	PASS
Band13	10MHz	16QAM	23230	1RB#49	3000~10000	-43.42	PASS

Test Graphs



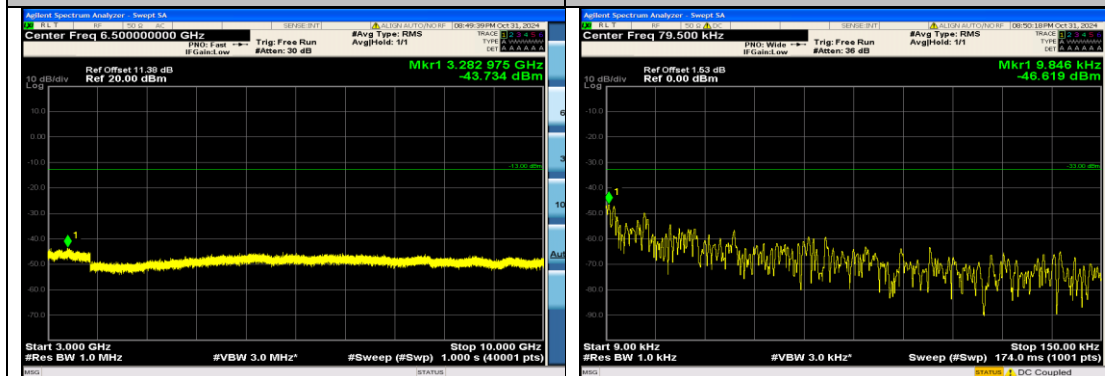
Band13_5MHz_QPSK_23205_1RB#0_0.009~0.1
5_0.009~0.15

Band13_5MHz_QPSK_23205_1RB#0_0.15~30
_0.15~30



Band13_5MHz_QPSK_23205_1RB#0_30~1000
30~1000

Band13_5MHz_QPSK_23205_1RB#0_1000~30
00_1000~3000



Band13_5MHz_QPSK_23205_1RB#0_3000~100
00_3000~10000

Band13_5MHz_QPSK_23205_1RB#24_0.009~
0.15_0.009~0.15

