

FCC Appendix RF Test Data for LTE band 13

Company : **HK EKO ELECTRONICS LIMITED**

EUT : **Security Camera**

Model Number : **GP01**

Report No. : **CTA26071602005**

FCC ID : **2BR3K-SECCAM-GP01**

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	22.47	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.58	PASS
Band13	5MHz	QPSK	23205	1RB#24	24.15	PASS
Band13	5MHz	QPSK	23205	12RB#0	21.72	PASS
Band13	5MHz	QPSK	23205	12RB#6	21.71	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.81	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.38	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.63	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.39	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.85	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.61	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.61	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.20	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.44	PASS
Band13	5MHz	QPSK	23255	1RB#0	25.37	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.17	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.96	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.97	PASS
Band13	5MHz	QPSK	23255	12RB#6	24.01	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.08	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.55	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.66	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.79	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.40	PASS
Band13	5MHz	16QAM	23205	12RB#0	20.84	PASS
Band13	5MHz	16QAM	23205	12RB#6	20.83	PASS
Band13	5MHz	16QAM	23205	12RB#13	21.97	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.36	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.59	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.64	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.00	PASS
Band13	5MHz	16QAM	23230	12RB#0	22.58	PASS

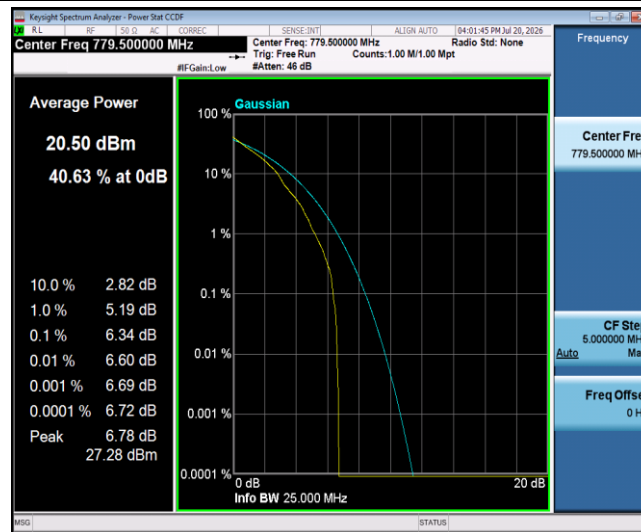
Band13	5MHz	16QAM	23230	12RB#6	22.58	PASS
Band13	5MHz	16QAM	23230	12RB#13	22.24	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.42	PASS
Band13	5MHz	16QAM	23255	1RB#0	24.50	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.26	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.04	PASS
Band13	5MHz	16QAM	23255	12RB#0	23.16	PASS
Band13	5MHz	16QAM	23255	12RB#6	23.17	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.23	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.59	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.25	PASS
Band13	10MHz	QPSK	23230	1RB#24	24.53	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.21	PASS
Band13	10MHz	QPSK	23230	25RB#0	23.20	PASS
Band13	10MHz	QPSK	23230	25RB#12	23.20	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.96	PASS
Band13	10MHz	QPSK	23230	50RB#0	23.14	PASS

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

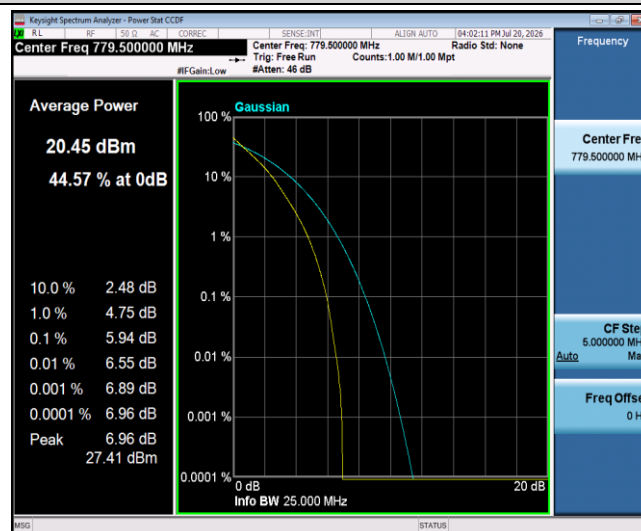
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	6.34	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.94	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.86	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.61	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.48	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.90	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	6.62	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.61	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.76	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.37	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.47	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.54	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	5.64	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	6.02	13	PASS

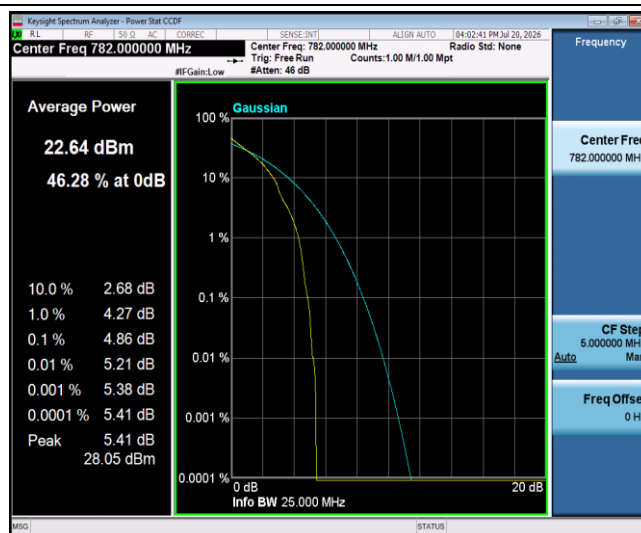
Test Graphs



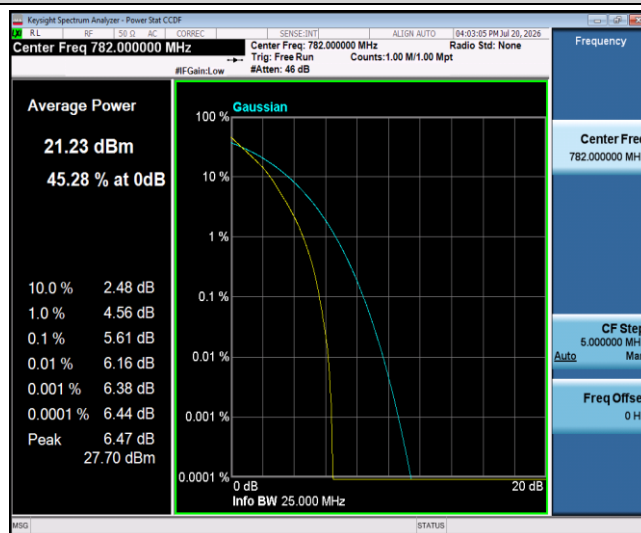
Band13-5MHz-QPSK-23205-1RB#0



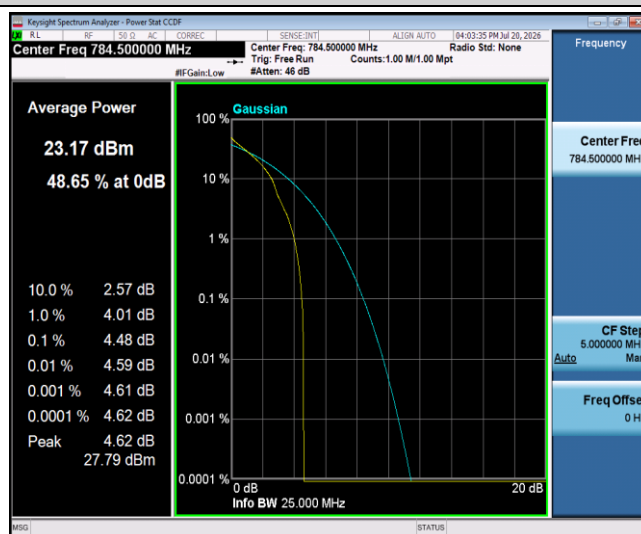
Band13-5MHz-QPSK-23205-25RB#0



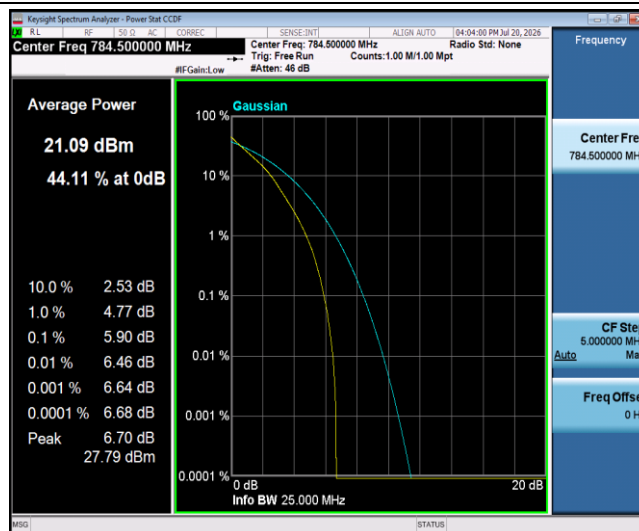
Band13-5MHz-QPSK-23230-1RB#0



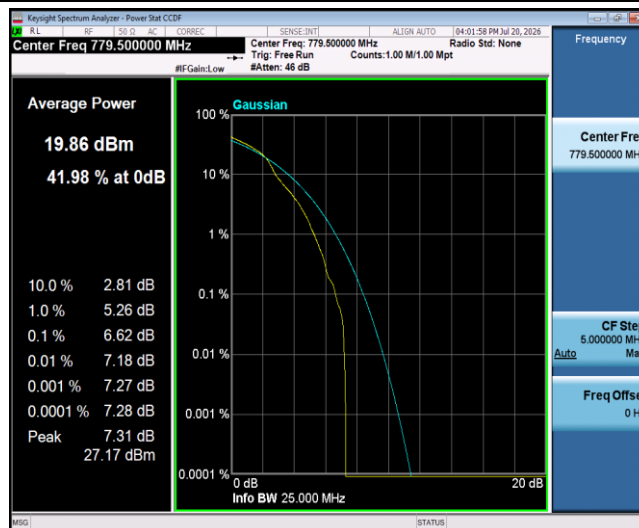
Band13-5MHz-QPSK-23230-25RB#0



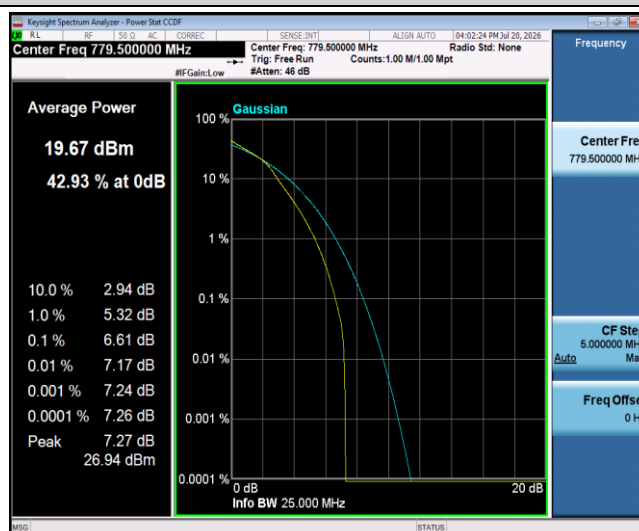
Band13-5MHz-QPSK-23255-1RB#0



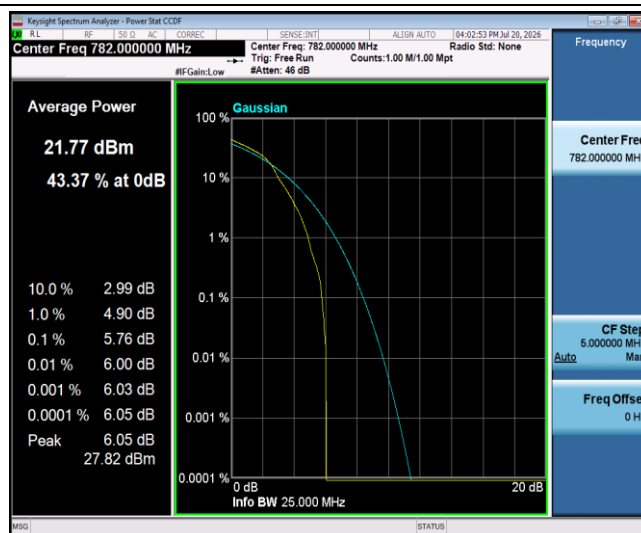
Band13-5MHz-QPSK-23255-25RB#0



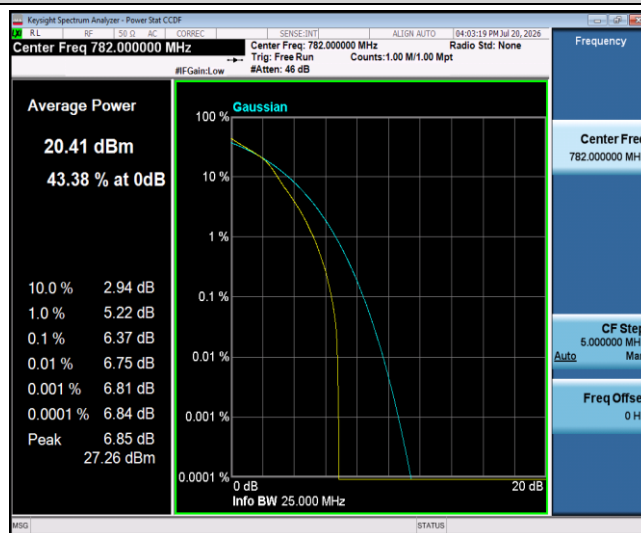
Band13-5MHz-16QAM-23205-1RB#0



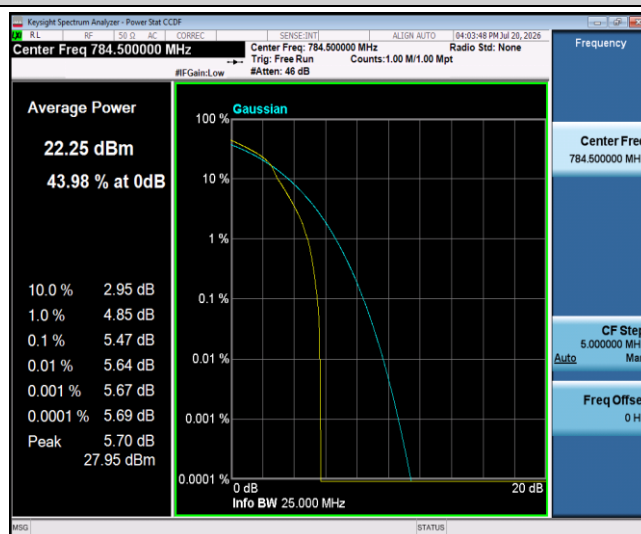
Band13-5MHz-16QAM-23205-25RB#0



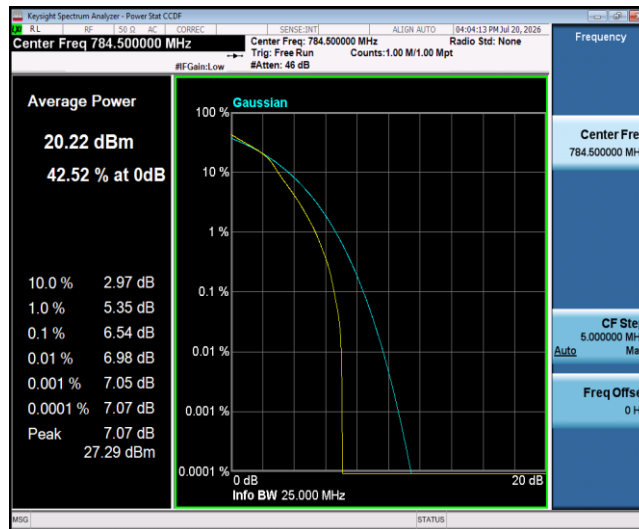
Band13-5MHz-16QAM-23230-1RB#0



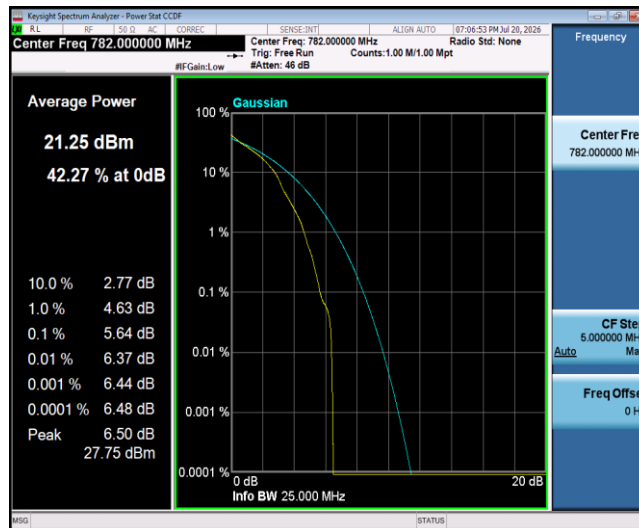
Band13-5MHz-16QAM-23230-25RB#0



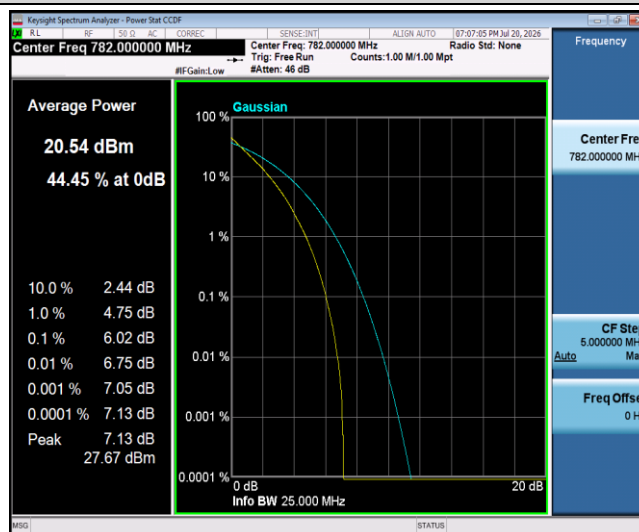
Band13-5MHz-16QAM-23255-1RB#0



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



Band13-10MHz-QPSK-23230-1RB#0



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

Appendix C: 26dB Bandwidth and Occupied Bandwidth

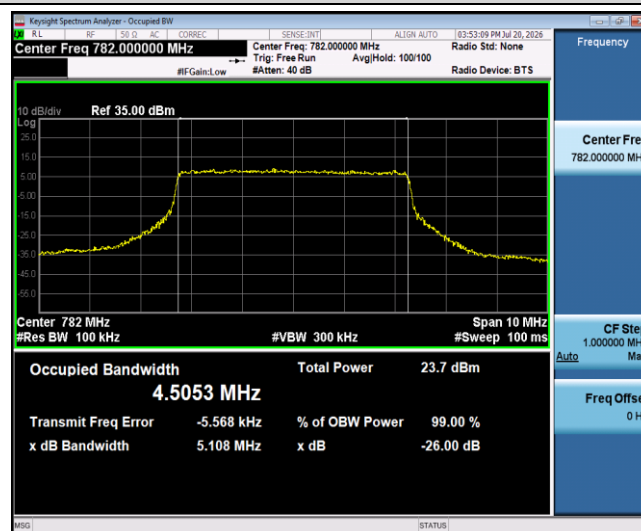
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5031	5.079	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5053	5.108	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4963	5.112	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4932	5.036	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4970	5.110	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5105	5.221	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9665	9.618	PASS

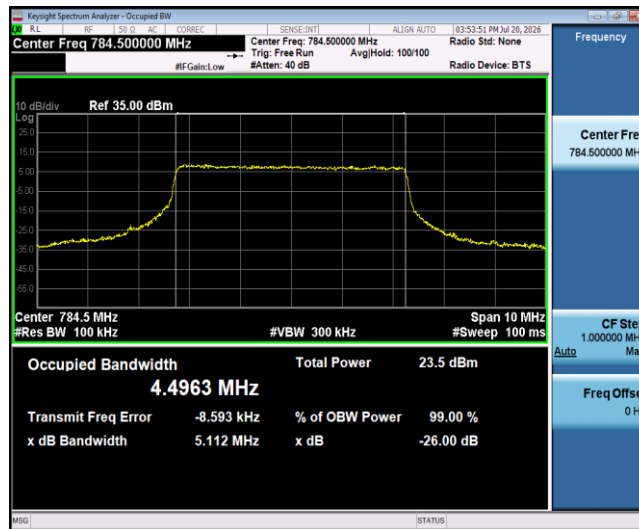
Test Graphs



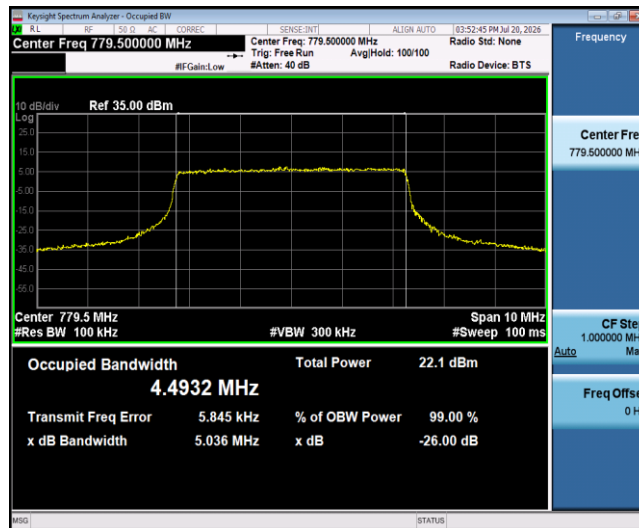
Band13-5MHz-QPSK-23205-25RB#0



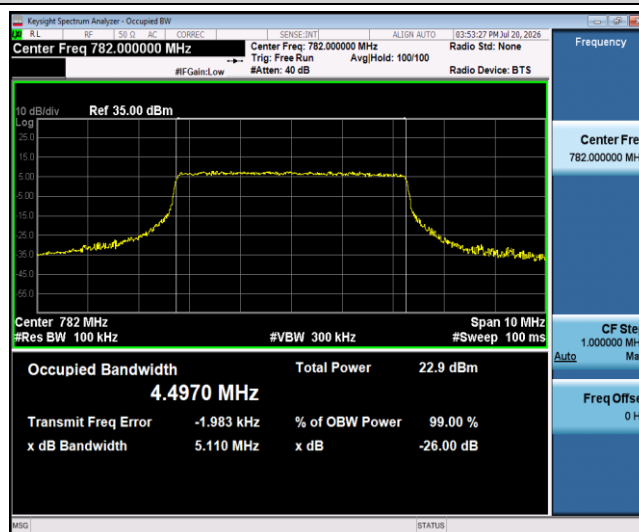
Band13-5MHz-QPSK-23230-25RB#0



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



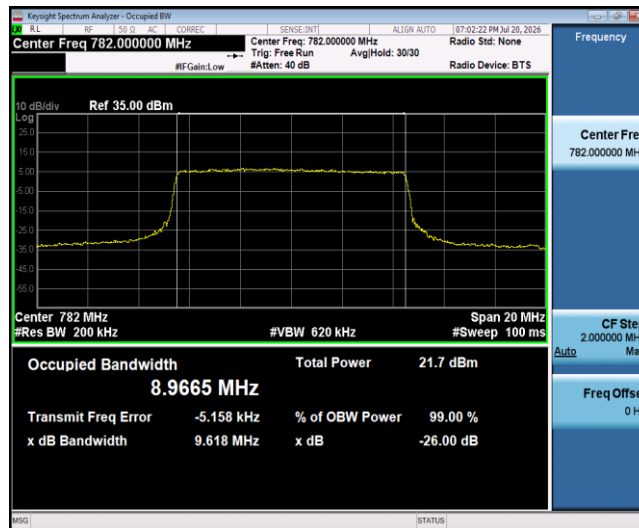
Band13-5MHz-16QAM-23205-25RB#0



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



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



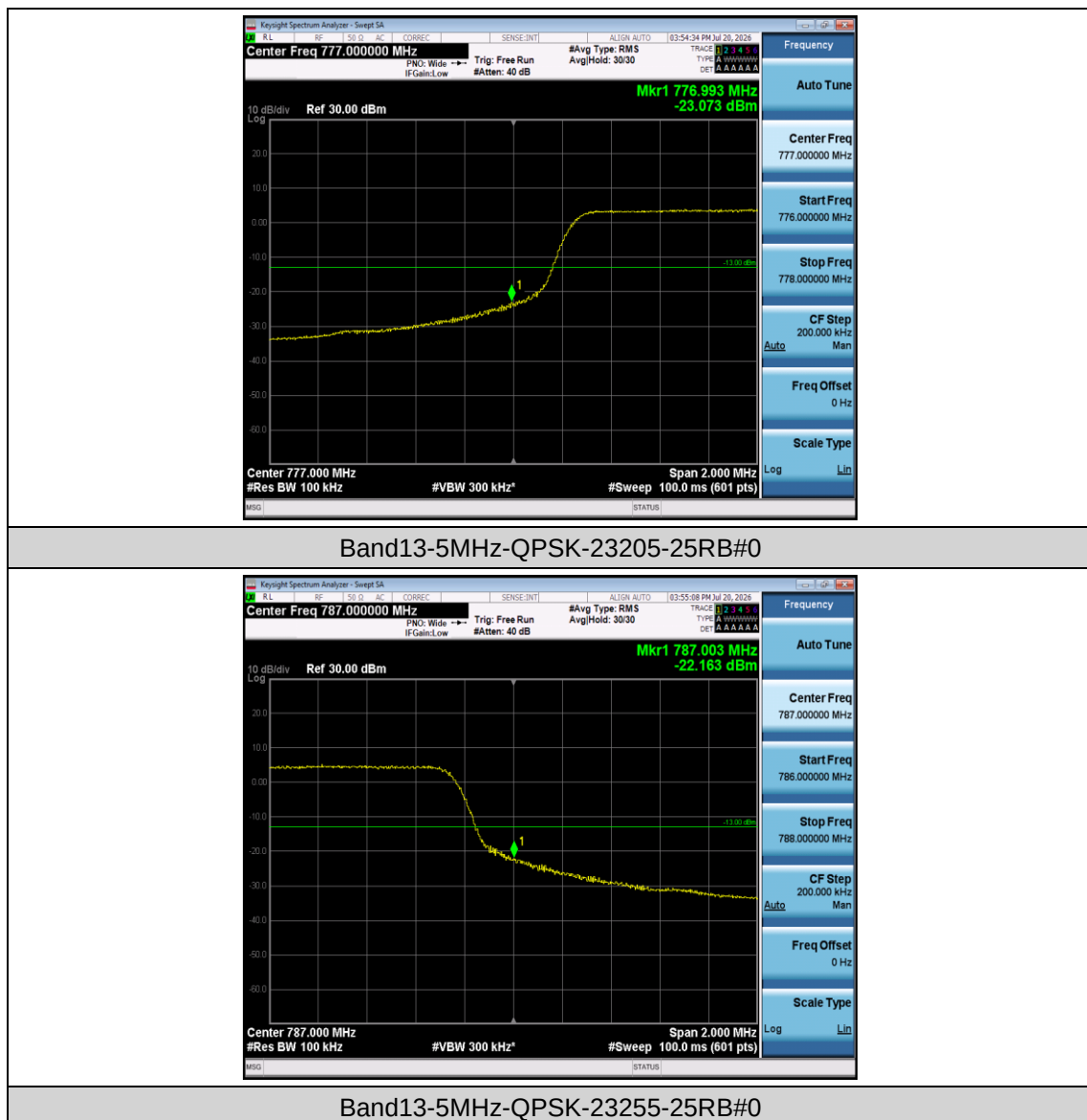
Band13-10MHz-QPSK-23230-50RB#0

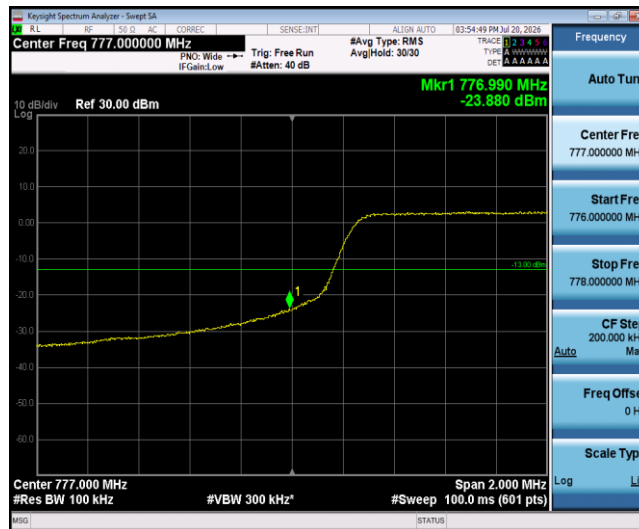
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-23.07	-13	PASS
Band13	5MHz	QPSK	23255	25RB#0	-22.16	-13	PASS
Band13	5MHz	16QAM	23205	25RB#0	-23.88	-13	PASS
Band13	5MHz	16QAM	23255	25RB#0	-23.15	-13	PASS
Band13	10MHz	QPSK	23230	50RB#0	-25.51,-26.95	-13	PASS

Test Graphs

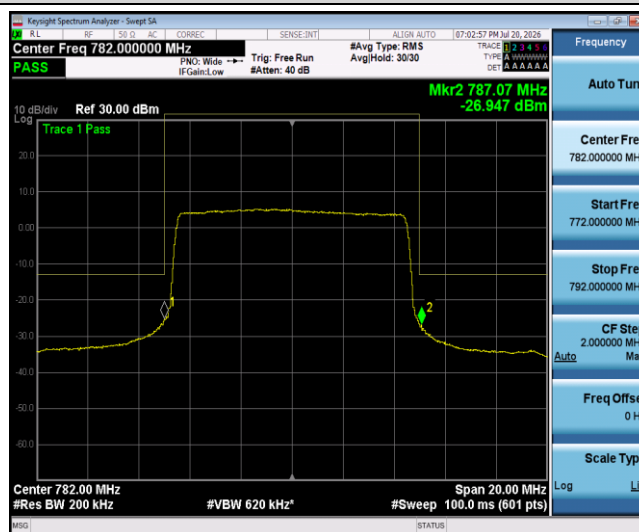




Band13-5MHz-16QAM-23205-25RB#0



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



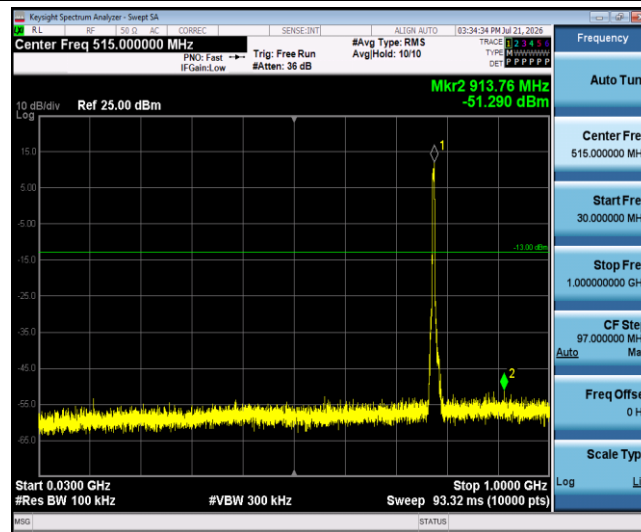
Band13-10MHz-QPSK-23230-50RB#0

Appendix E: Conducted Spurious Emission

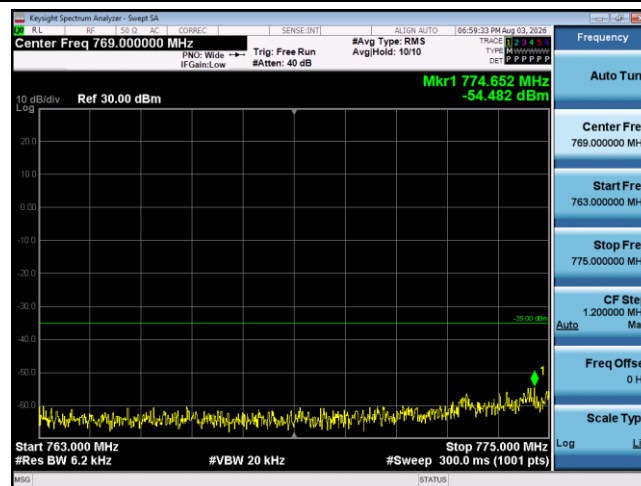
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-51.29	-13	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:763~775MHz	-54.48	-35	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range4:793~805MHz	-59.6	-35	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:1000~10000MHz	-34.67	-13	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range5:1559~1610MHz	-53.66	-13	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-51.85	-13	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:763~775MHz	-59.05	-35	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range4:793~805MHz	-59.88	-35	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-33.86	-13	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range5:1559~1610MHz	-51.75	-13	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-51.57	-13	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:763~775MHz	-59.58	-35	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range4:793~805MHz	-59.78	-35	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:1000~10000MHz	-33.17	-13	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range5:1559~1610MHz	-52.3	-13	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-51.64	-13	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:763~775MHz	-54.36	-35	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range4:793~805MHz	-60.11	-35	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:1000~10000MHz	-33.7	-13	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range5:1559~1610MHz	-56.62	-13	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-52.34	-13	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:763~775MHz	-58.71	-35	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range4:793~805MHz	-59.99	-35	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-33.64	-13	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range5:1559~1610MHz	-54.45	-13	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-52.71	-13	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:763~775MHz	-59.04	-35	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range4:793~805MHz	-59.47	-35	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:1000~10000MHz	-34.47	-13	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range5:1559~1610MHz	-51.75	-13	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-50.86	-13	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:763~775MHz	-53.91	-35	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range4:793~805MHz	-55.27	-35	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-34.47	-13	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range5:1559~1610MHz	-55.51	-13	PASS

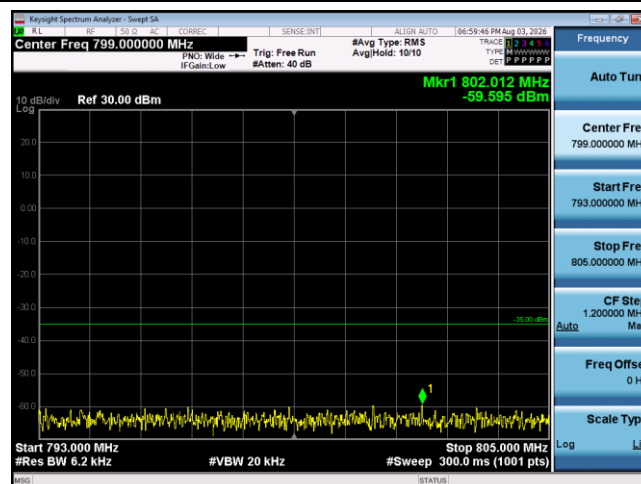
Test Graphs



Band13-5MHz-QPSK-23205-1RB#0-Range1:30~1000MHz



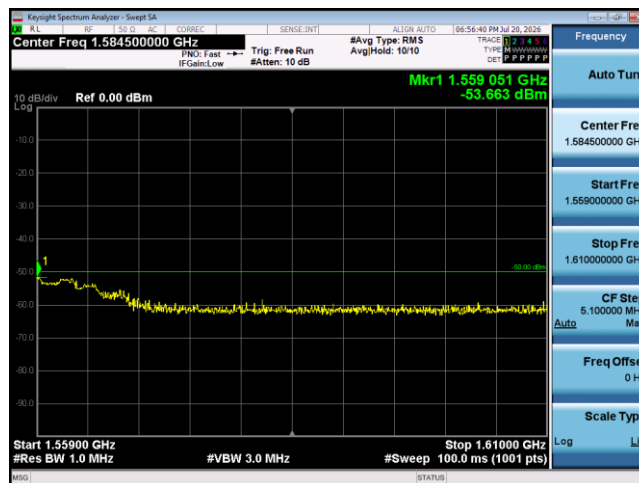
Band13-5MHz-QPSK-23205-1RB#0-Range3:763~775MHz



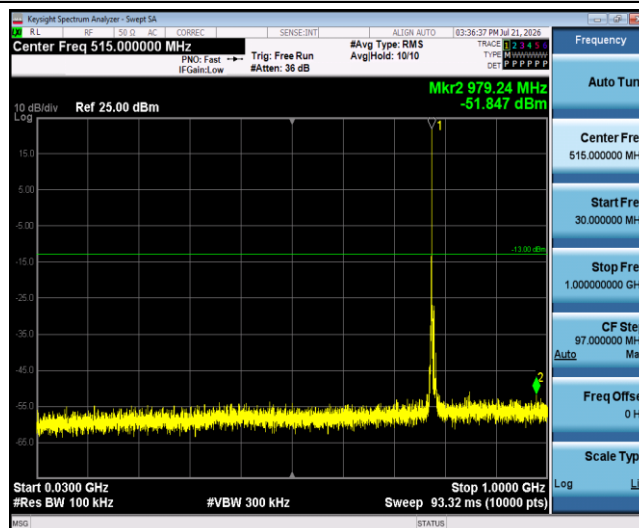
Band13-5MHz-QPSK-23205-1RB#0-Range4:793~805MHz



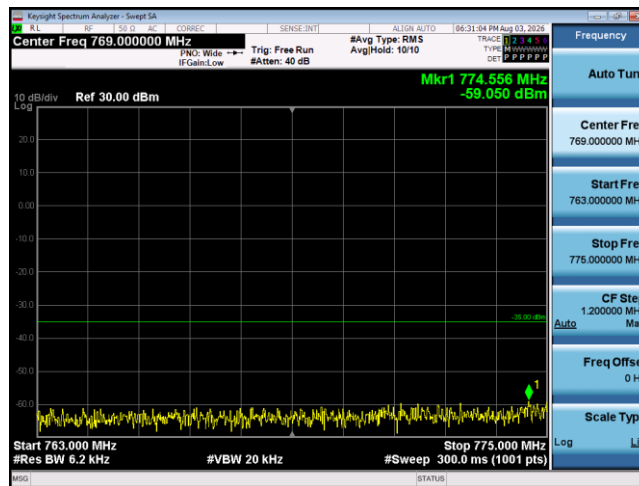
Band13-5MHz-QPSK-23205-1RB#0-Range2:1000~10000MHz



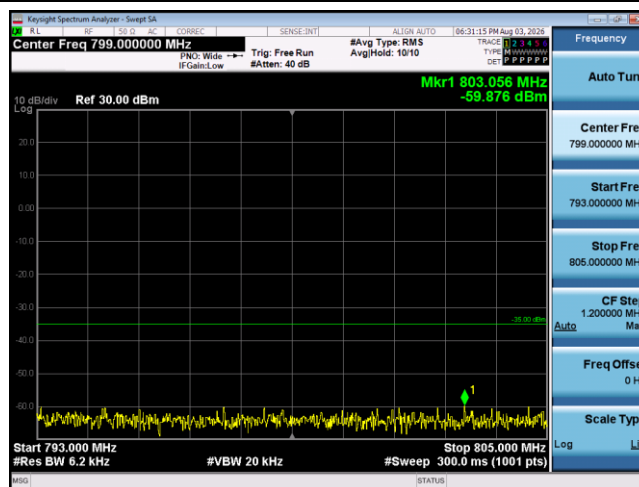
Band13-5MHz-QPSK-23205-1RB#0-Range5:1559~1610MHz



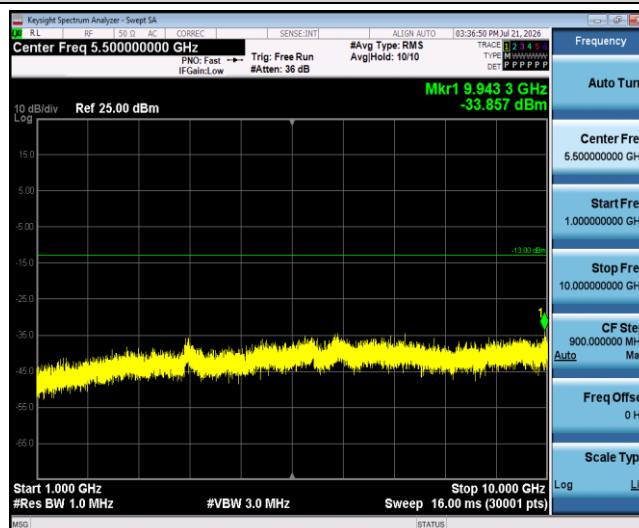
Band13-5MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



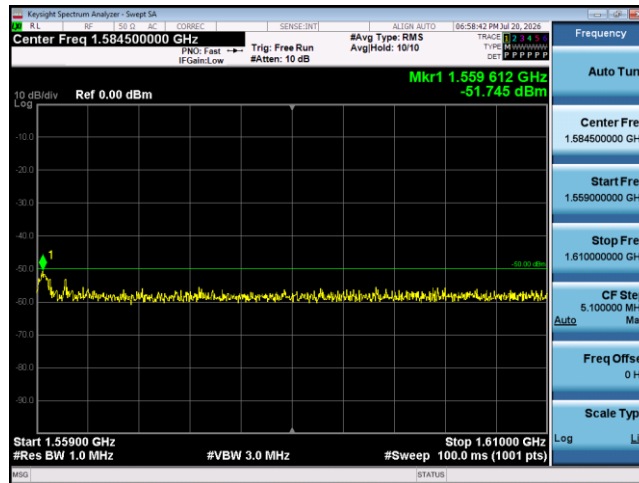
Band13-5MHz-QPSK-23230-1RB#0-Range3:763~775MHz



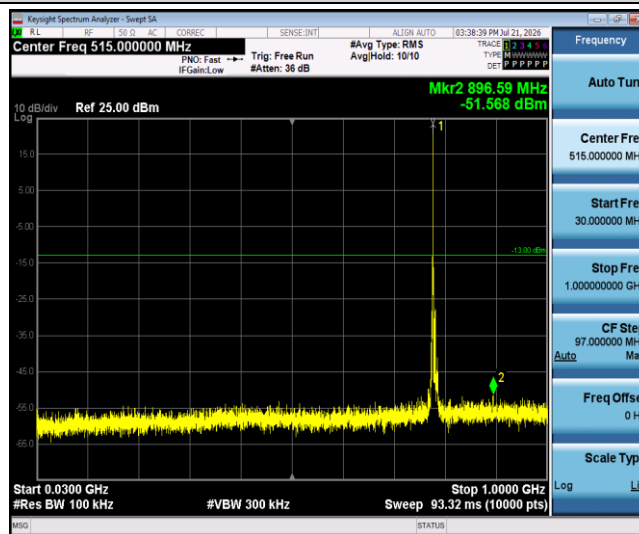
Band13-5MHz-QPSK-23230-1RB#0-Range4:793~805MHz



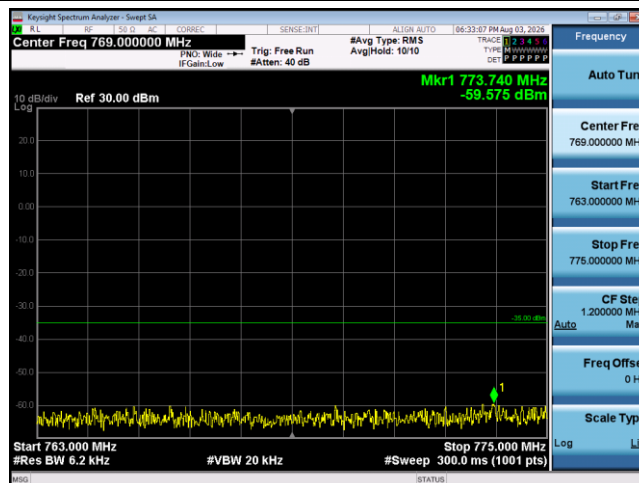
Band13-5MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



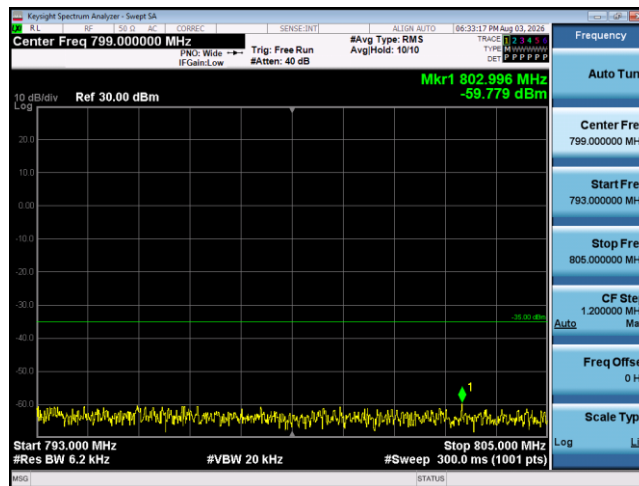
Band13-5MHz-QPSK-23230-1RB#0-Range5:1559~1610MHz



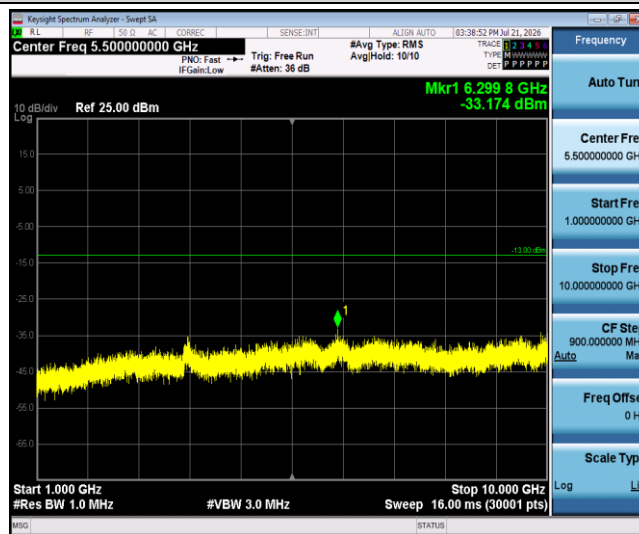
Band13-5MHz-QPSK-23255-1RB#0-Range1:30~1000MHz



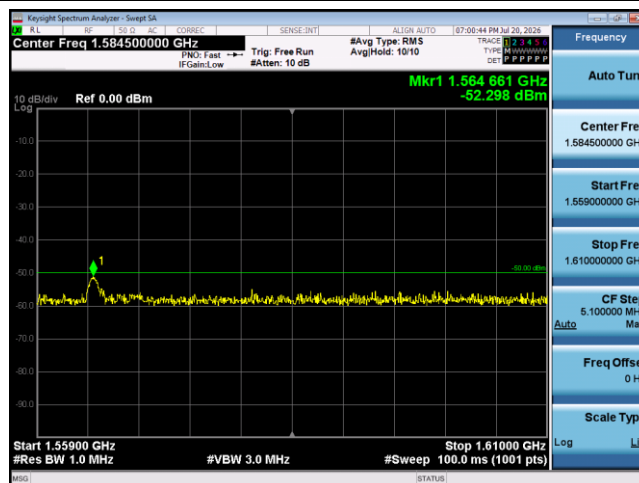
Band13-5MHz-QPSK-23255-1RB#0-Range3:763~775MHz



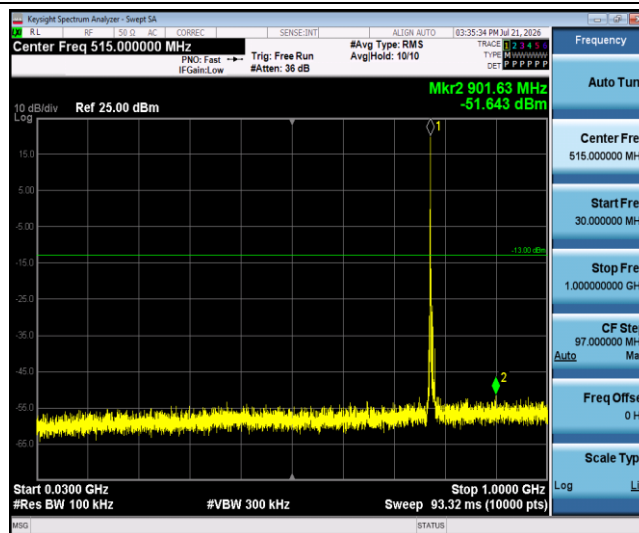
Band13-5MHz-QPSK-23255-1RB#0-Range4:793~805MHz



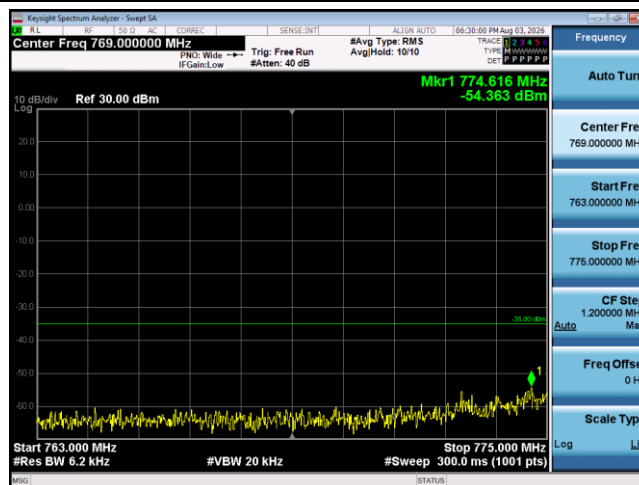
Band13-5MHz-QPSK-23255-1RB#0-Range2:1000~10000MHz



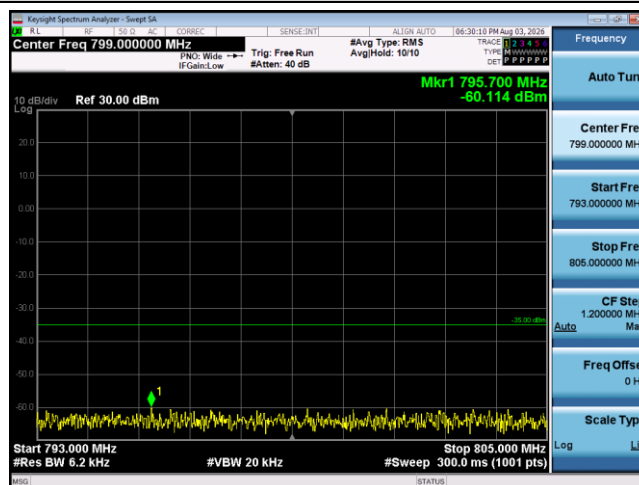
Band13-5MHz-QPSK-23255-1RB#0-Range5:1559~1610MHz



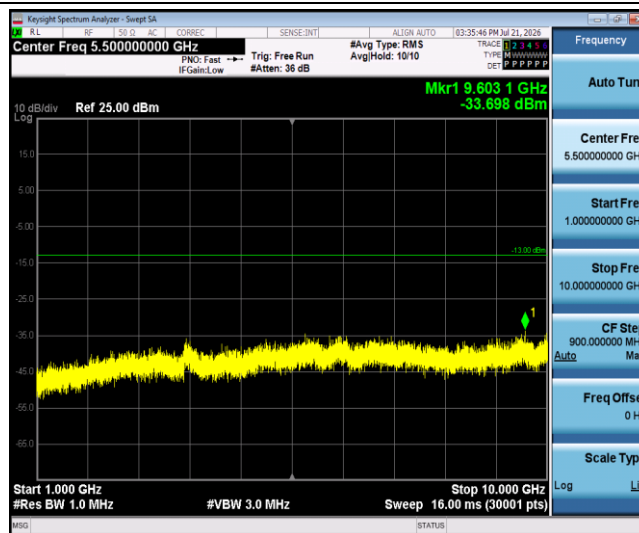
Band13-5MHz-16QAM-23205-1RB#0-Range1:30~1000MHz



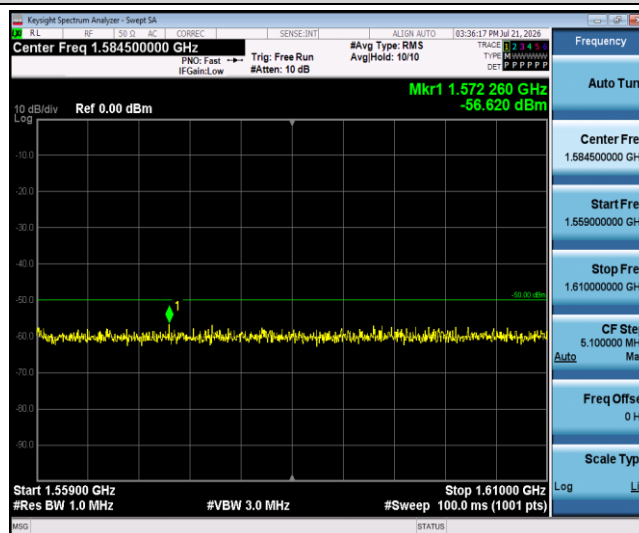
Band13-5MHz-16QAM-23205-1RB#0-Range3:763~775MHz



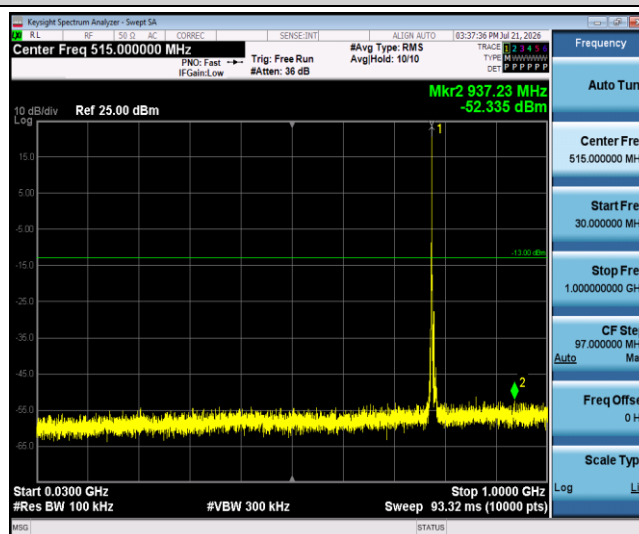
Band13-5MHz-16QAM-23205-1RB#0-Range4:793~805MHz



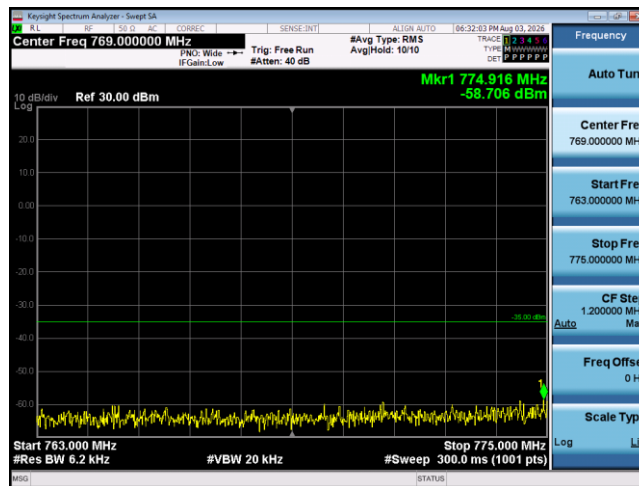
Band13-5MHz-16QAM-23205-1RB#0-Range2:1000~10000MHz



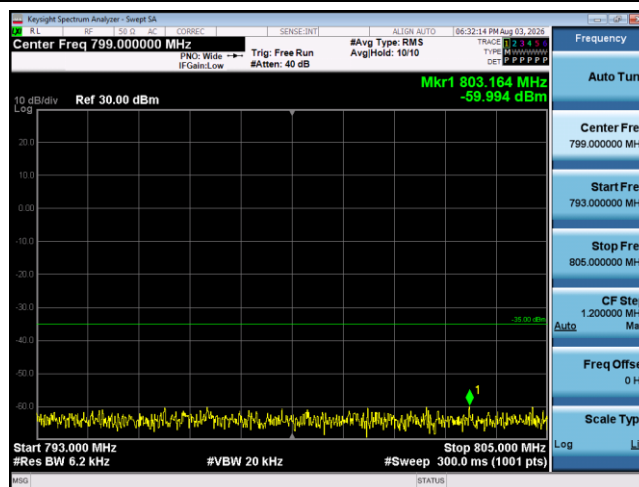
Band13-5MHz-16QAM-23205-1RB#0-Range5:1559~1610MHz



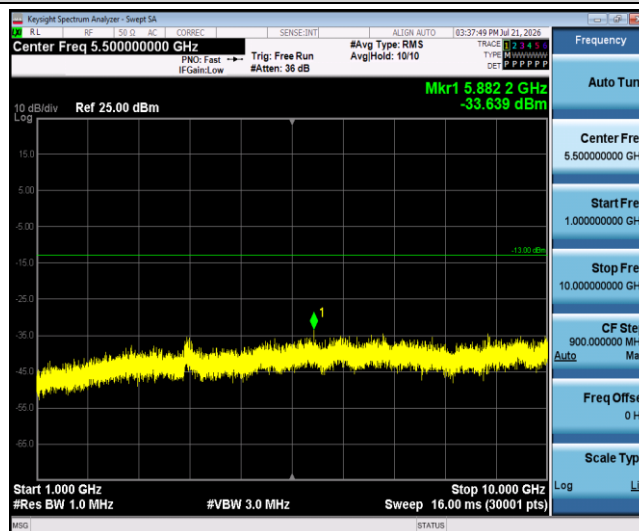
Band13-5MHz-16QAM-23230-1RB#0-Range1:30~1000MHz



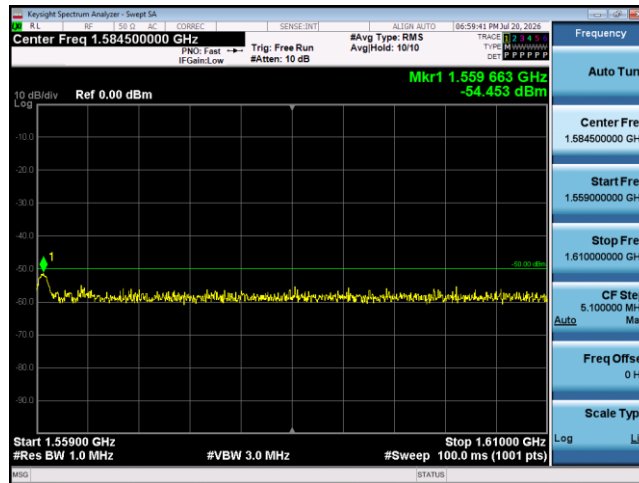
Band13-5MHz-16QAM-23230-1RB#0-Range3:763~775MHz



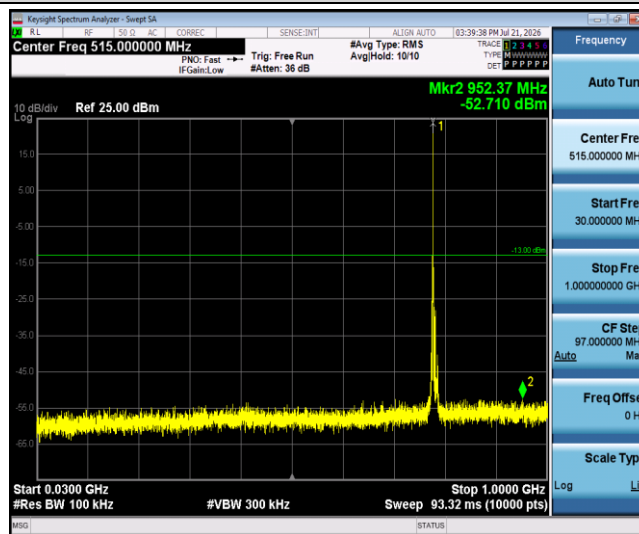
Band13-5MHz-16QAM-23230-1RB#0-Range4:793~805MHz



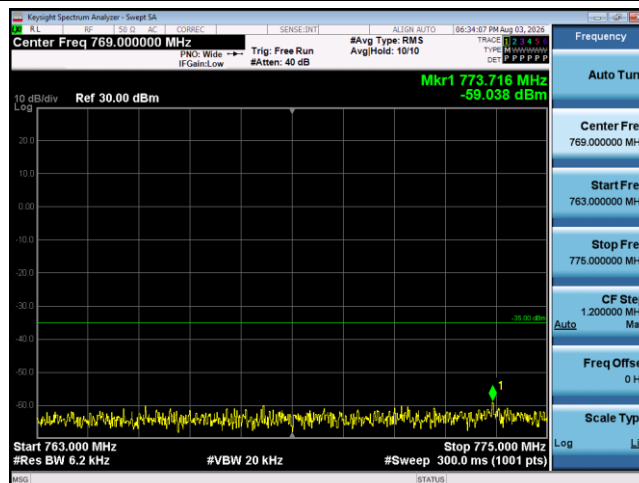
Band13-5MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz



Band13-5MHz-16QAM-23230-1RB#0-Range5:1559~1610MHz



Band13-5MHz-16QAM-23255-1RB#0-Range1:30~1000MHz



Band13-5MHz-16QAM-23255-1RB#0-Range3:763~775MHz