



Appendix L: Test Data for E-UTRA Band 13

Product Name: fixed wireless phone

Test Model: F151

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	55.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



L.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.97	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.11	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.00	PASS
Band13	5MHz	QPSK	23205	12RB#0	21.98	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.12	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.04	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.00	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.01	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.51	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.17	PASS
Band13	5MHz	16QAM	23205	12RB#0	20.96	PASS
Band13	5MHz	16QAM	23205	12RB#6	21.25	PASS
Band13	5MHz	16QAM	23205	12RB#13	21.14	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.07	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.07	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.42	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.03	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.11	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.17	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.03	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.10	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.06	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.54	PASS
Band13	5MHz	16QAM	23230	1RB#24	21.99	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.10	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.21	PASS
Band13	5MHz	16QAM	23230	12RB#13	21.11	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.21	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.04	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.37	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.11	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.11	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.19	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.10	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.12	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.98	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.52	PASS
Band13	5MHz	16QAM	23255	1RB#24	21.86	PASS



Band13	5MHz	16QAM	23255	12RB#0	21.11	PASS
Band13	5MHz	16QAM	23255	12RB#6	21.20	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.02	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.14	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.01	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.27	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.09	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.10	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.21	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.08	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.05	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.98	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.57	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.00	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.15	PASS
Band13	10MHz	16QAM	23230	25RB#12	21.18	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.16	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.13	PASS



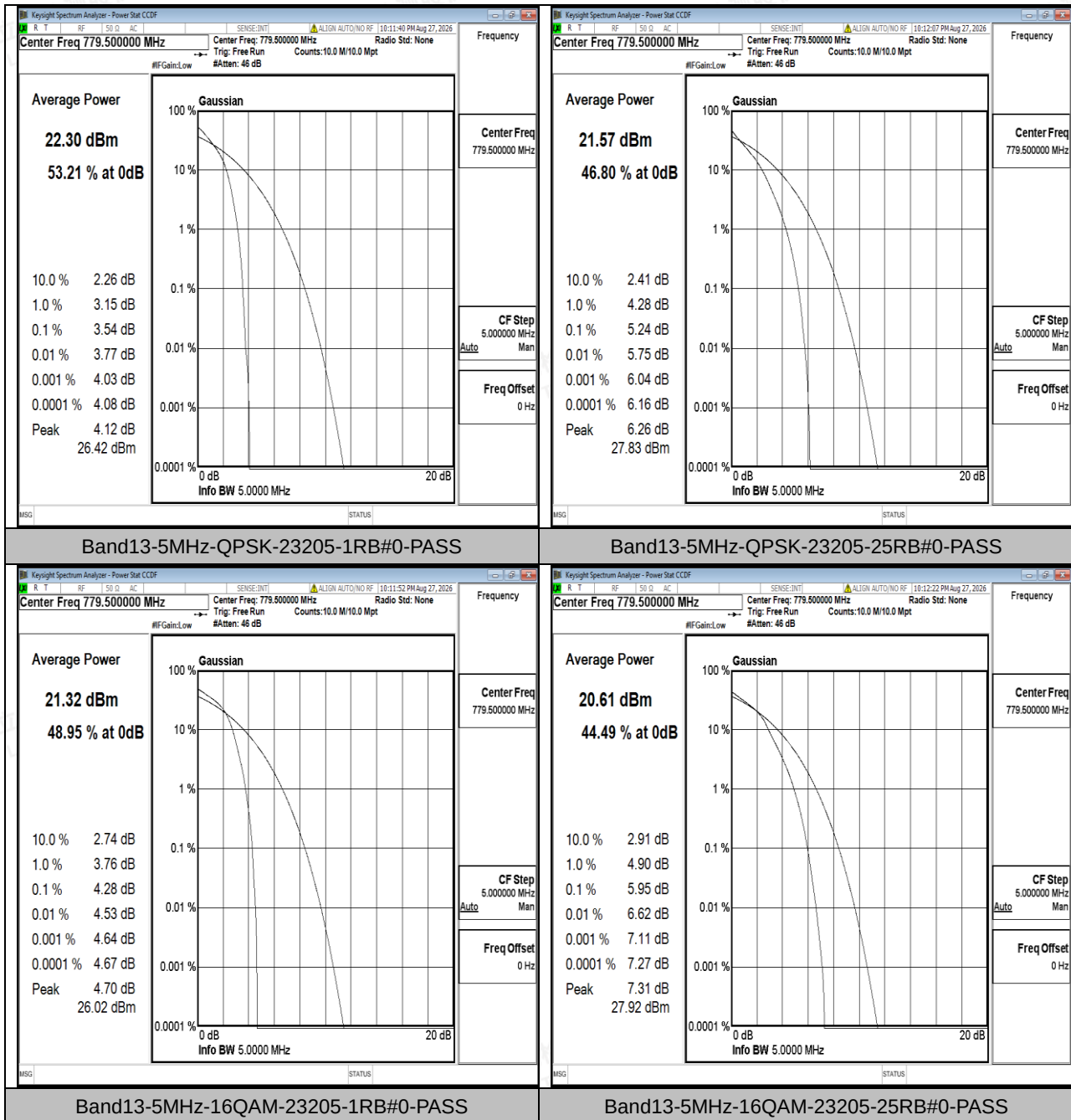
L.2 Peak-to-Average Ratio(CCDF)

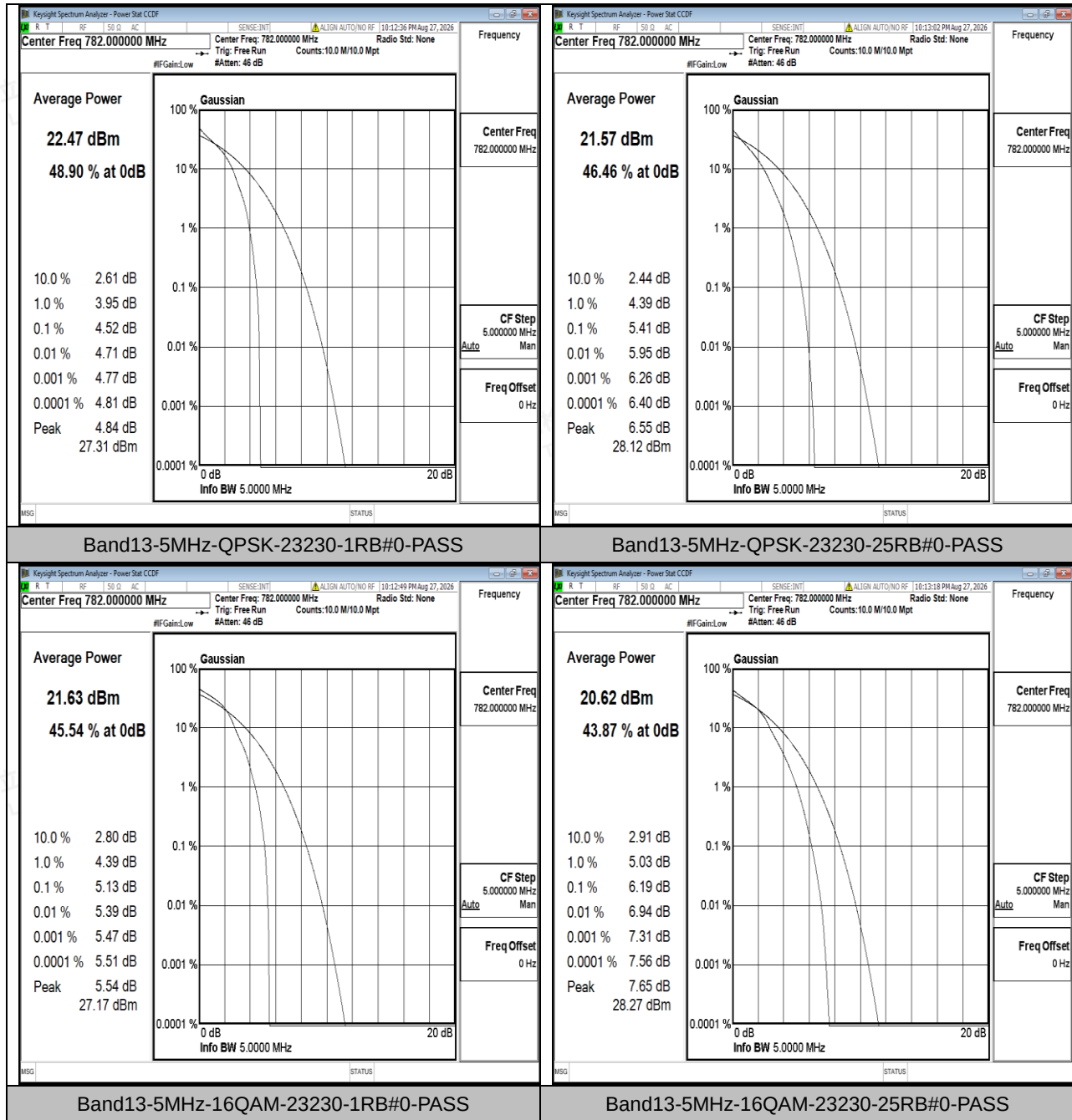
Test Result

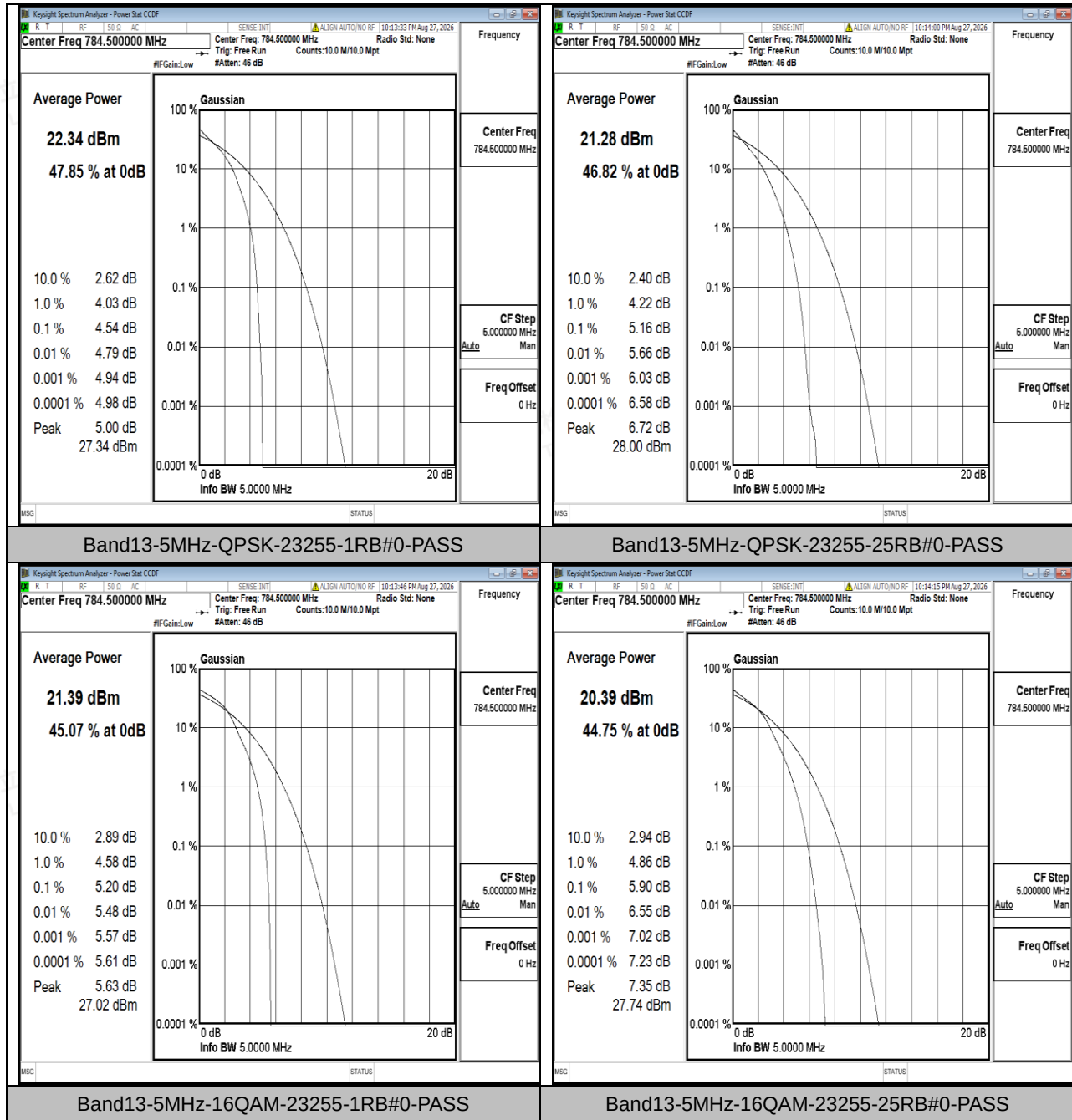
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	3.54	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.24	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	4.28	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.95	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.52	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.41	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.13	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.19	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.54	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.16	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.20	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.90	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	3.64	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.07	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	4.32	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.94	13	PASS

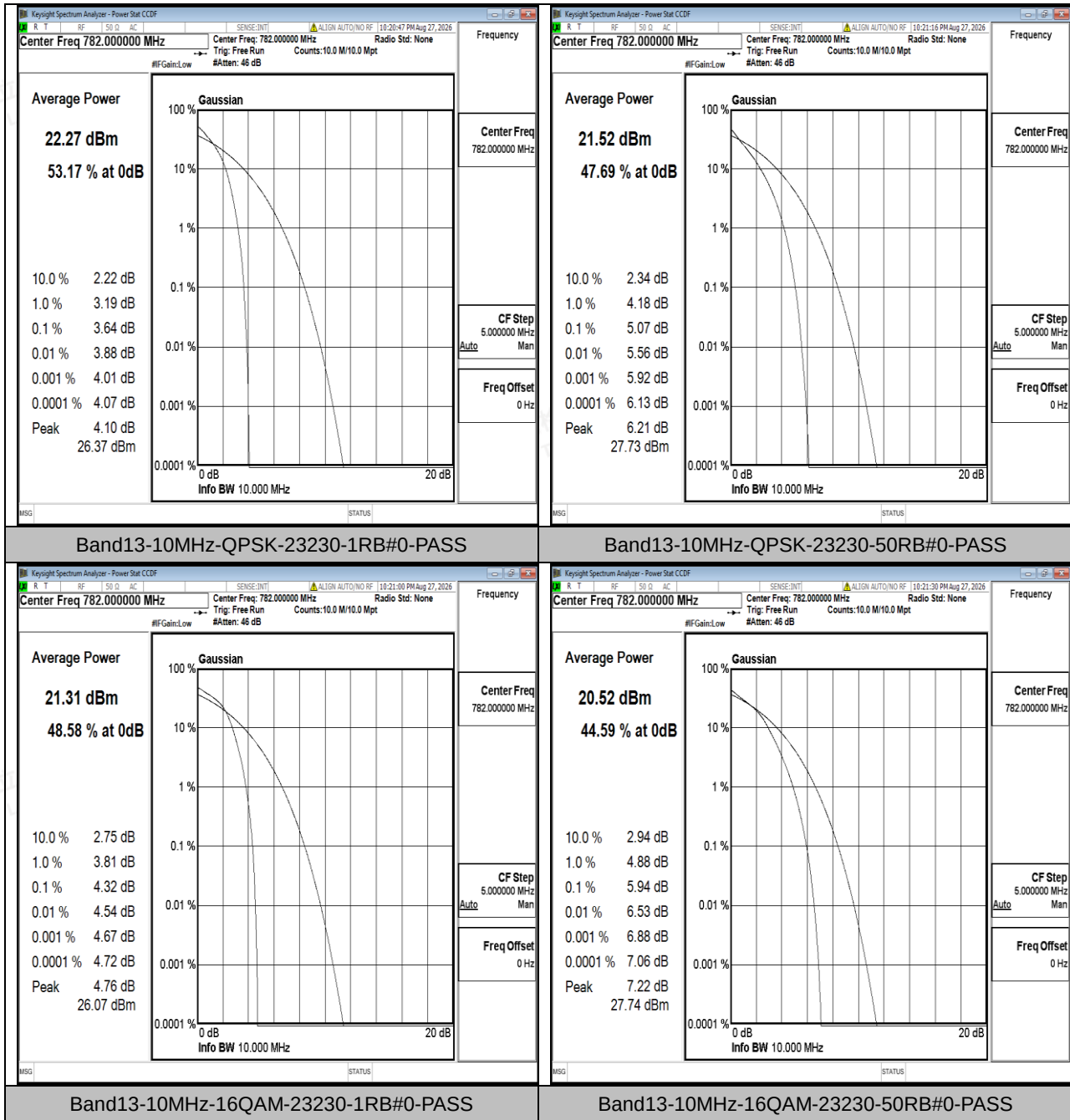


Test Graphs











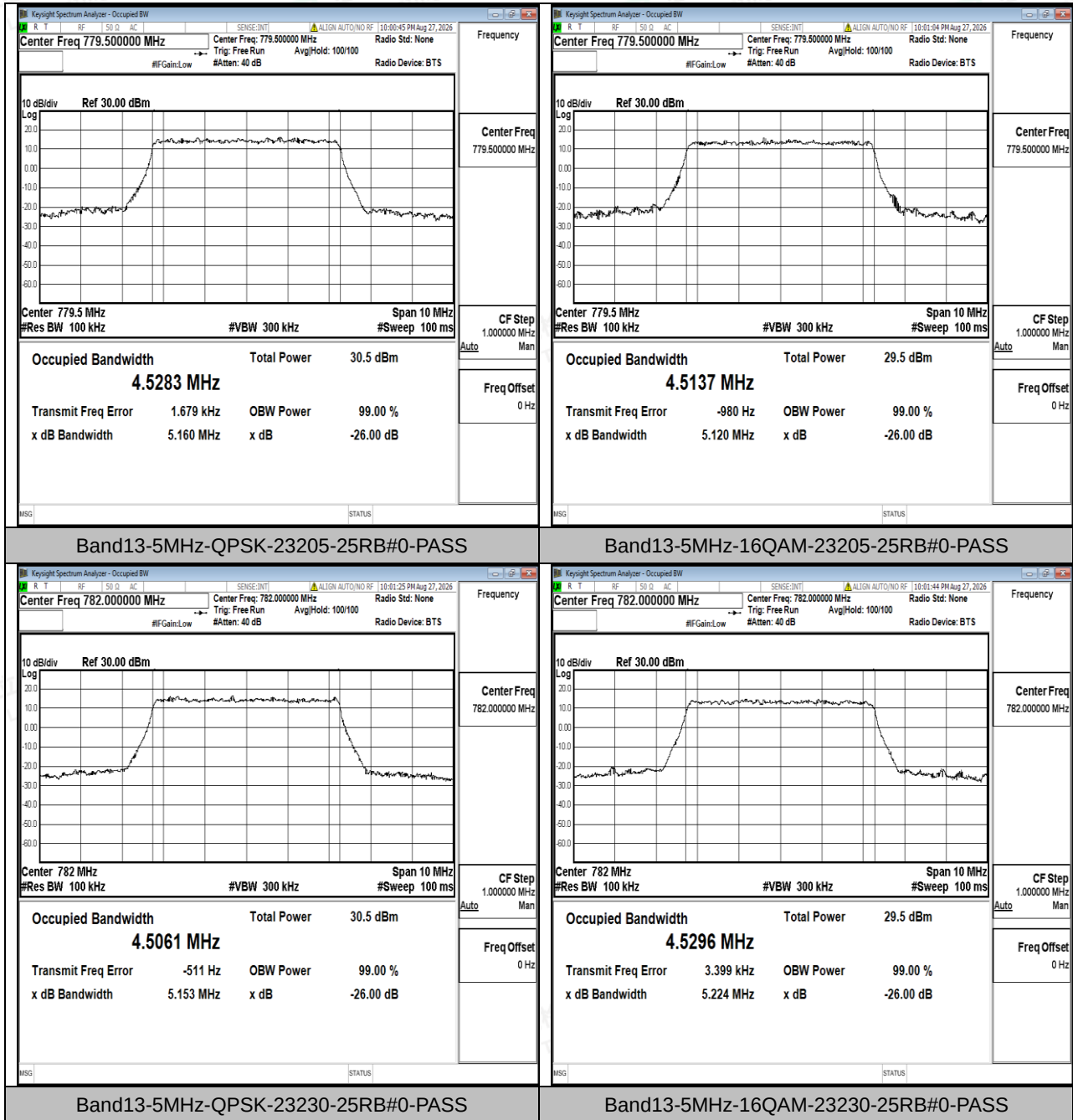
L.3 26dB Bandwidth and Occupied Bandwidth

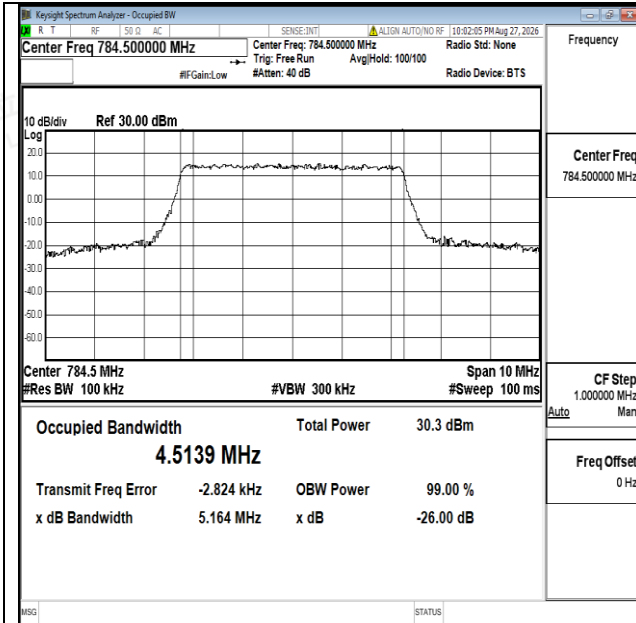
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5283	5.160	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5137	5.120	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5061	5.153	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5296	5.224	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5139	5.164	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5319	5.194	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.0041	10.11	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9977	10.17	PASS

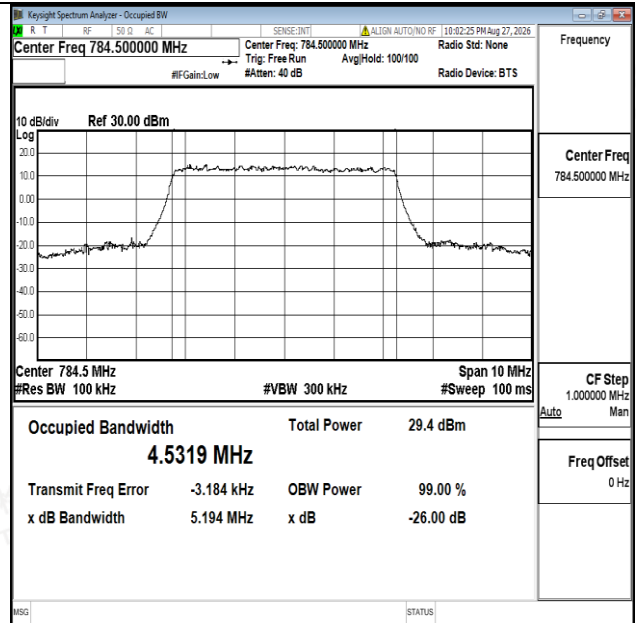


Test Graphs

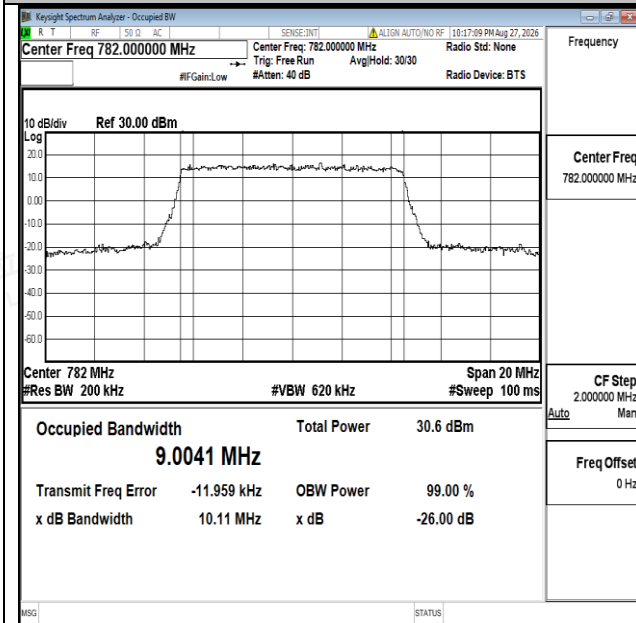




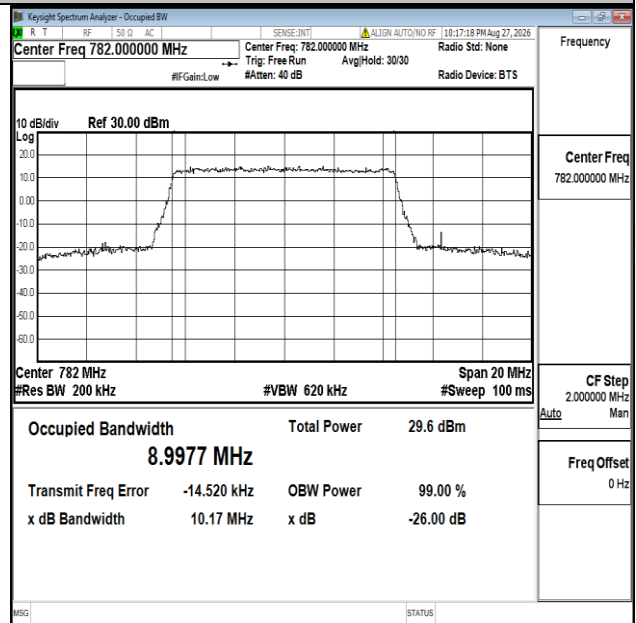
Band13-5MHz-QPSK-23255-25RB#0-PASS



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



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



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

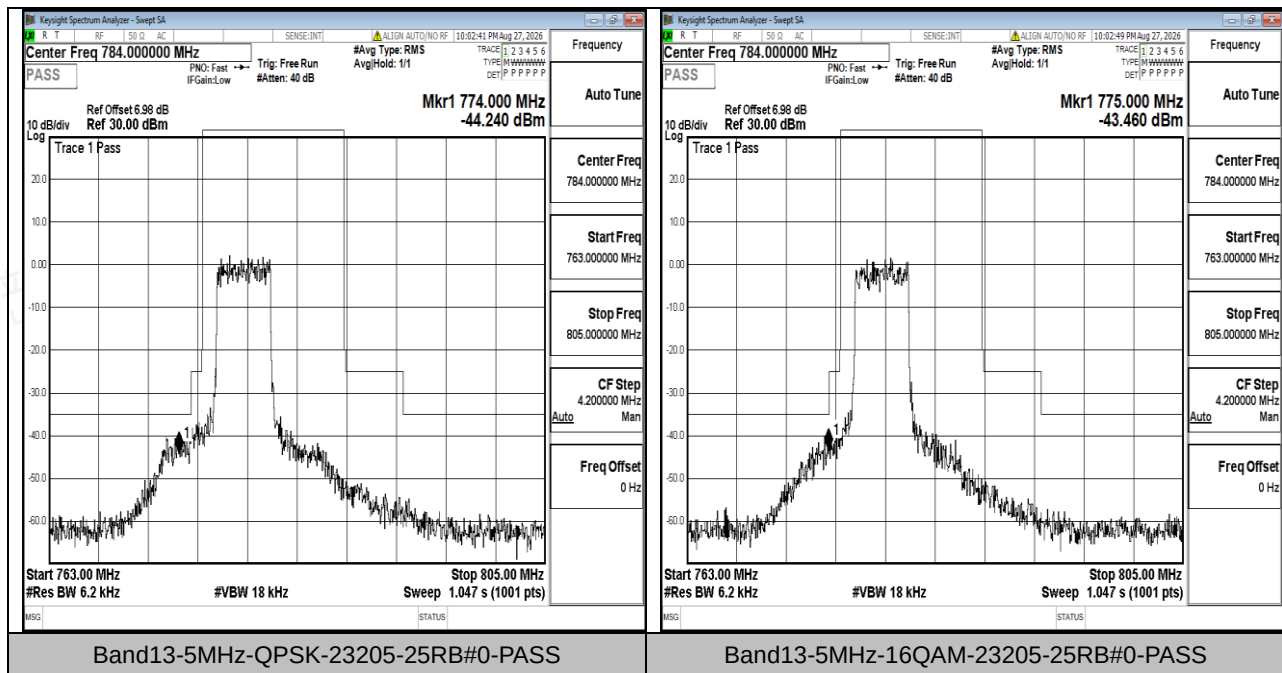


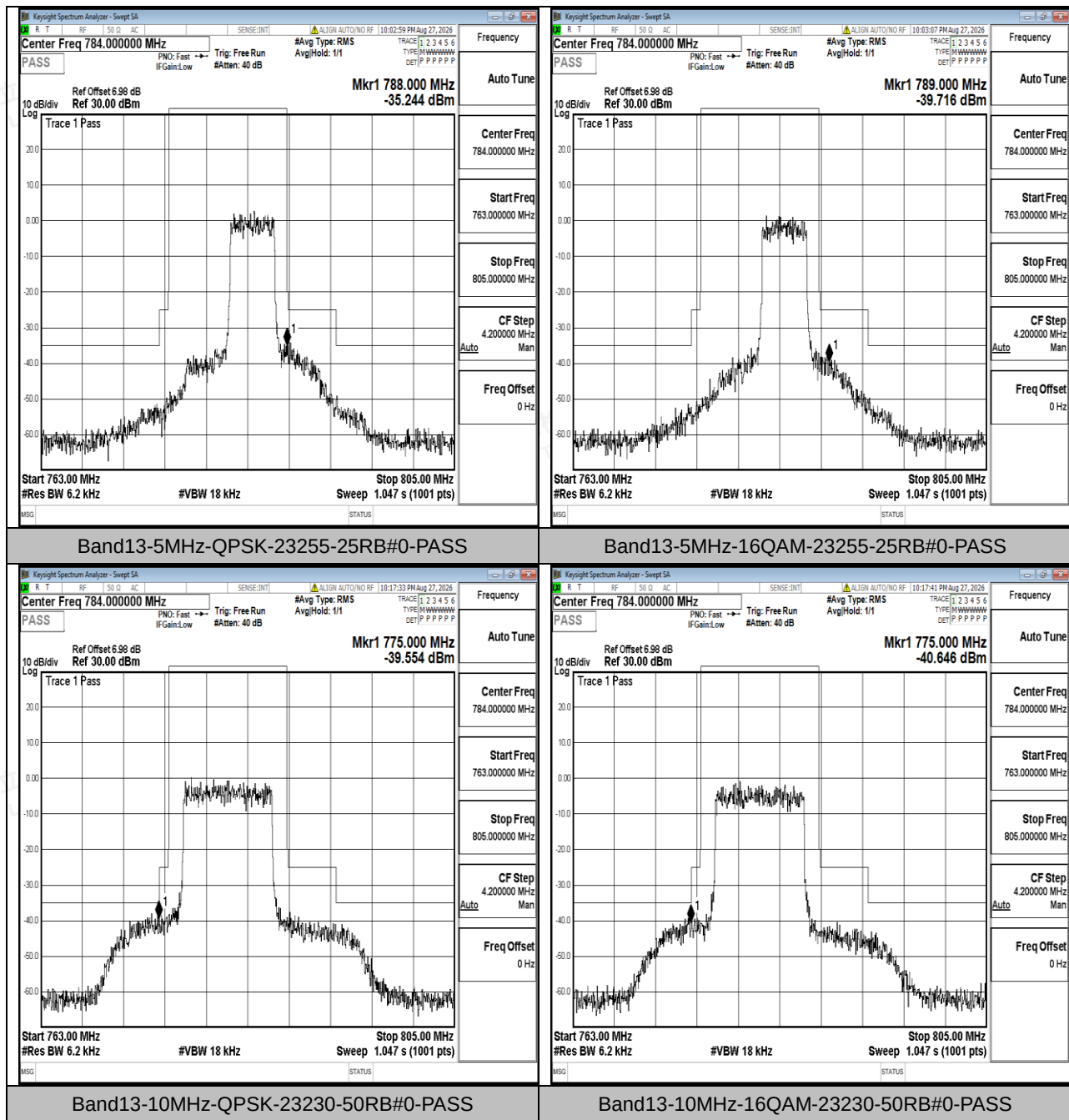
L.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-39.00	4.00	PASS
Band13	5MHz	16QAM	23205	25RB#0	-40.00	5.00	PASS
Band13	5MHz	QPSK	23255	25RB#0	-34.00	8.90	PASS
Band13	5MHz	16QAM	23255	25RB#0	-37.00	11.90	PASS
Band13	10MHz	QPSK	23230	50RB#0	-38.00	3.00	PASS
Band13	10MHz	16QAM	23230	50RB#0	-39.00	4.00	PASS

Test Graphs







L5 Conducted Spurious Emission

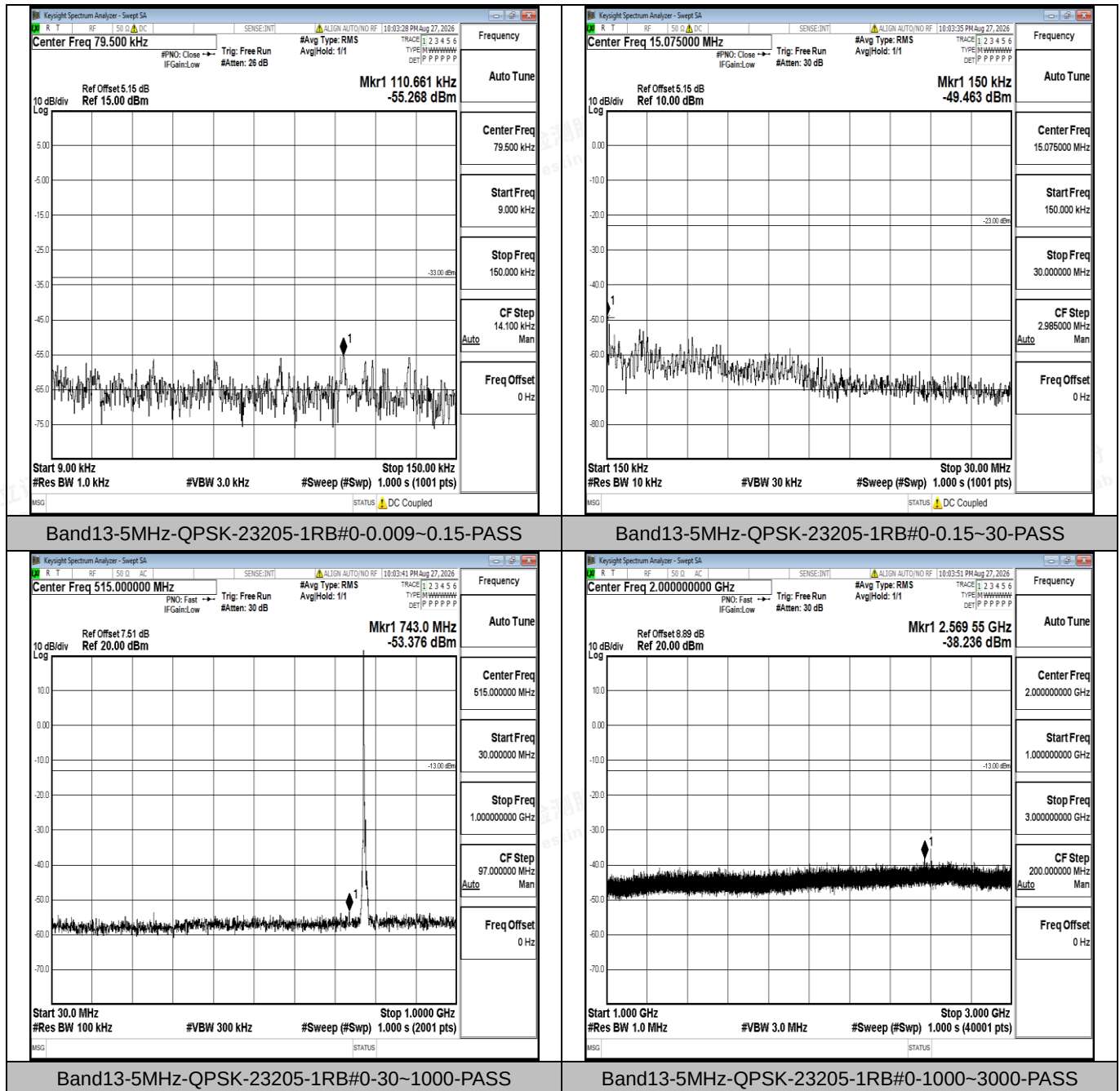
Test Result

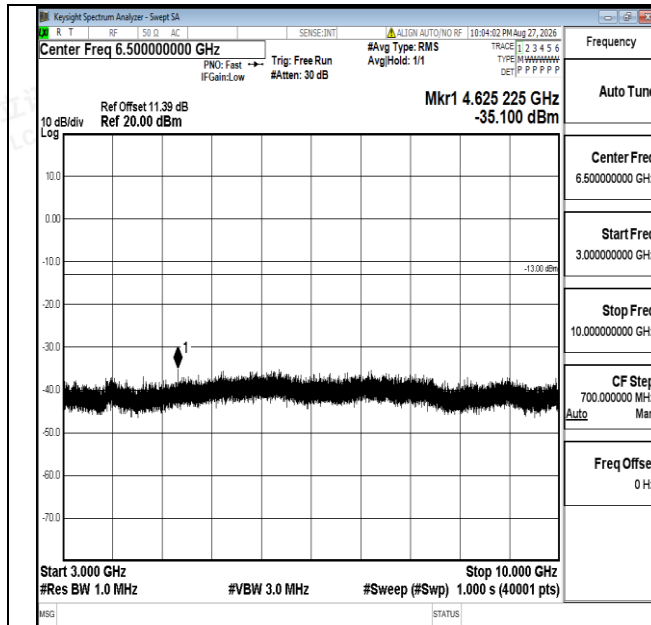
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	0.009~0.15	-55.27	-33.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-49.46	-23.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-53.38	-13.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-38.24	-13.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-35.10	-13.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-55.11	-33.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-47.54	-23.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-53.50	-13.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-38.49	-13.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-35.18	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-55.51	-33.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-49.39	-23.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-53.22	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-37.64	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-35.03	-13.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-56.75	-33.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-48.68	-23.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-52.57	-13.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-37.87	-13.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-34.64	-13.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-55.55	-33.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-47.57	-23.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-53.12	-13.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-35.33	-13.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-35.43	-13.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-55.46	-33.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-48.97	-23.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-53.51	-13.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-37.11	-13.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-35.43	-13.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-53.95	-33.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-50.28	-23.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-52.58	-13.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-38.82	-13.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-33.53	-13.0	PASS



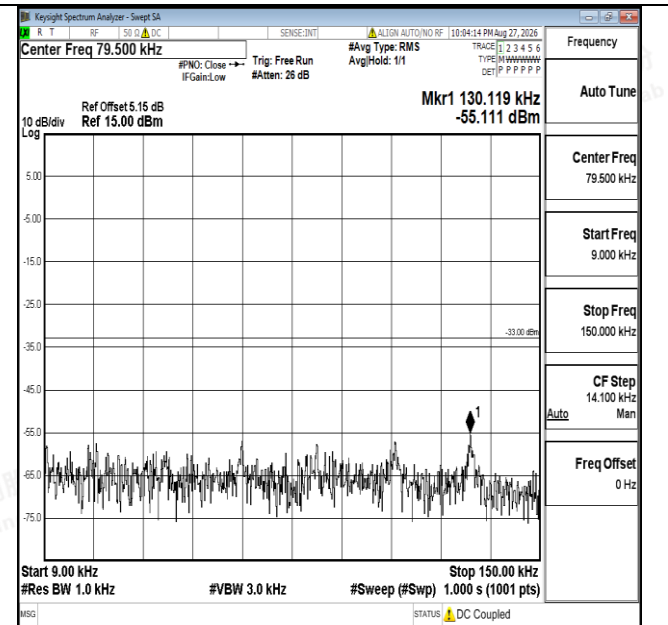
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-55.43	-33.0	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-47.43	-23.0	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-52.86	-13.0	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-38.79	-13.0	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-34.74	-13.0	PASS

Test Graphs

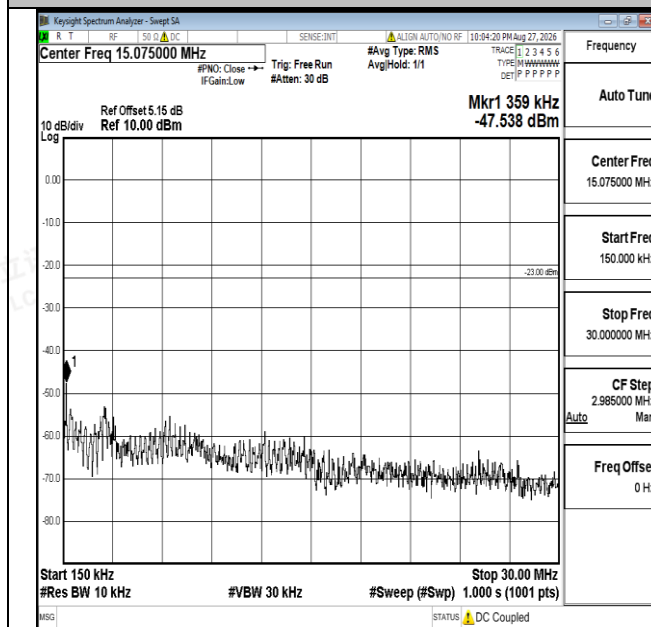




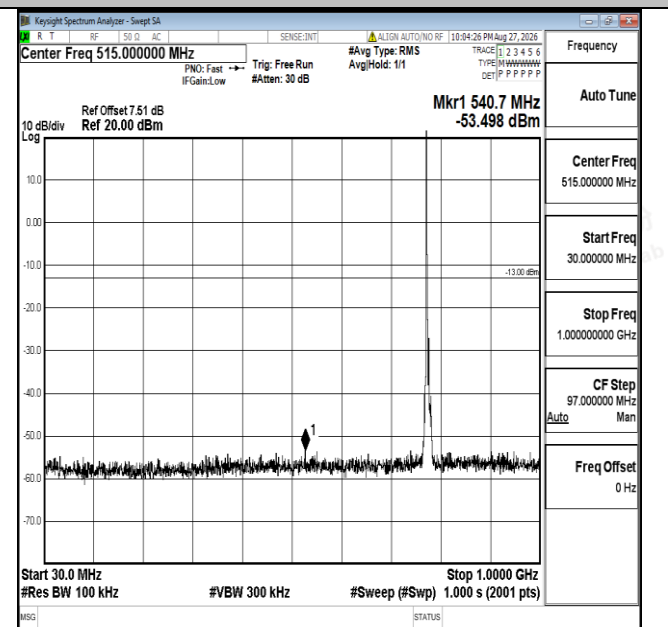
Band13-5MHz-QPSK-23205-1RB#0-3000~10000-PASS



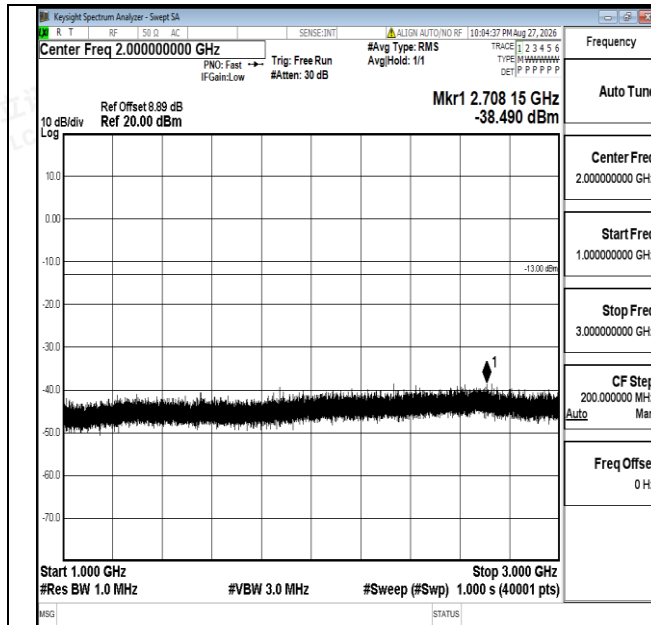
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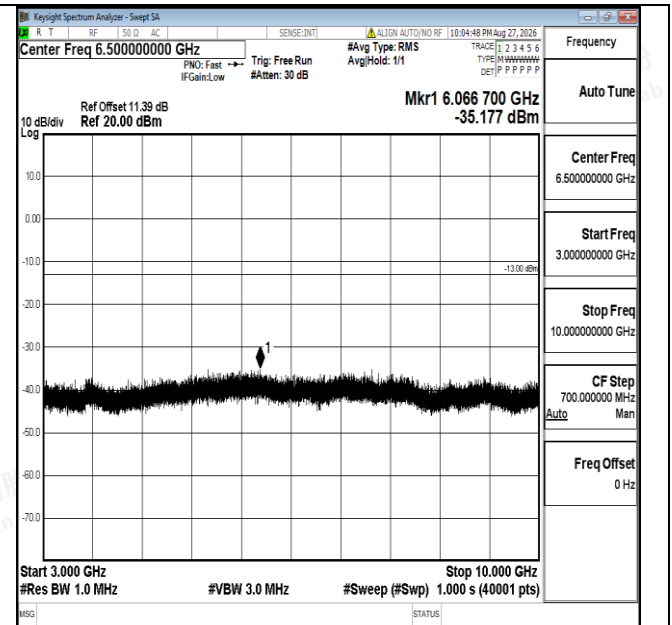
Band13-5MHz-16QAM-23205-1RB#0-0.15~30-PASS



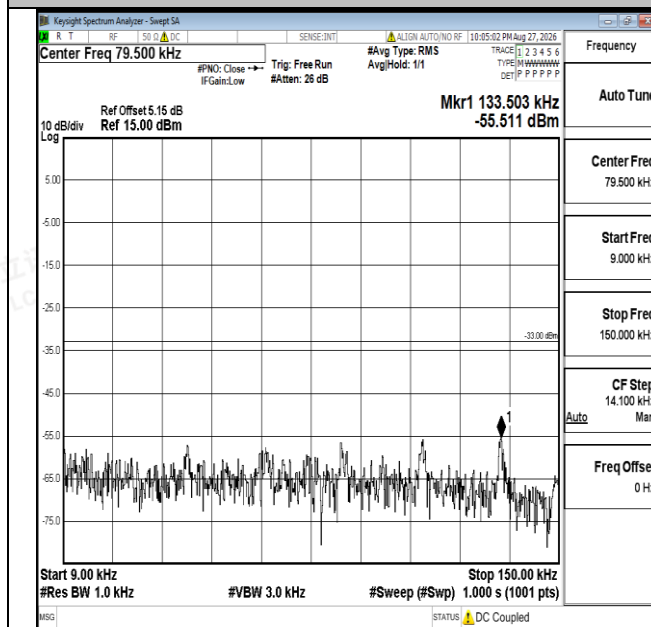
Band13-5MHz-16QAM-23205-1RB#0-30~1000-PASS



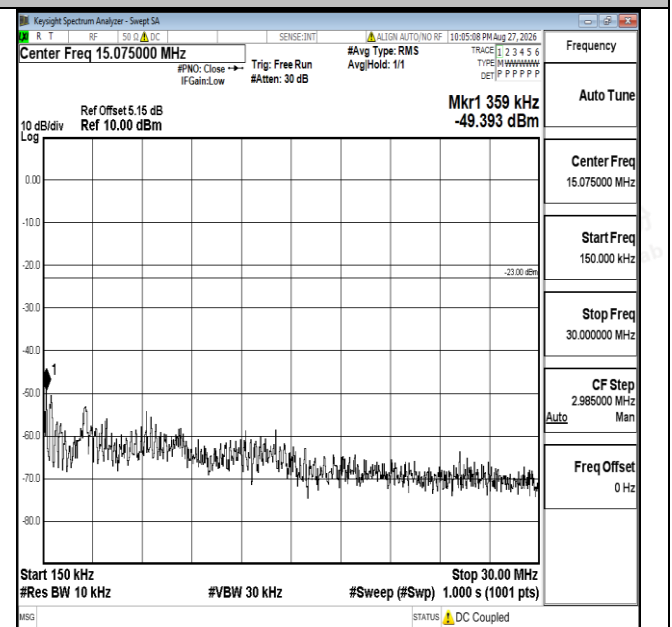
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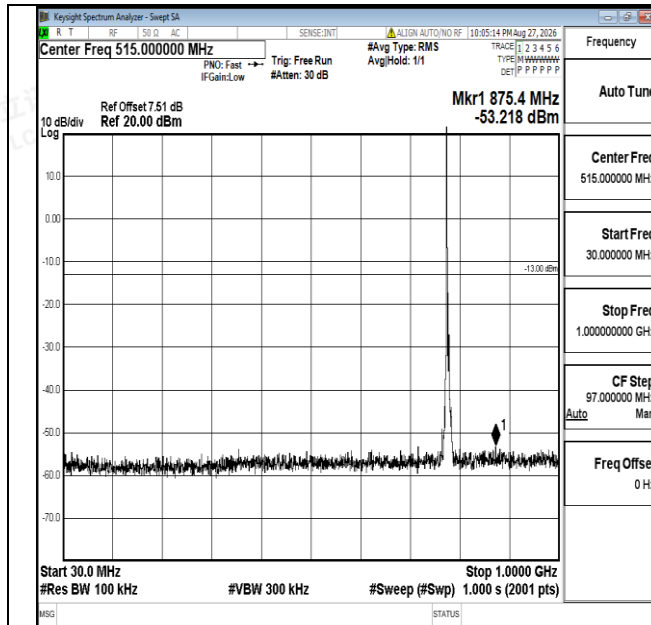
Band13-5MHz-16QAM-23205-1RB#0-3000~10000-PASS



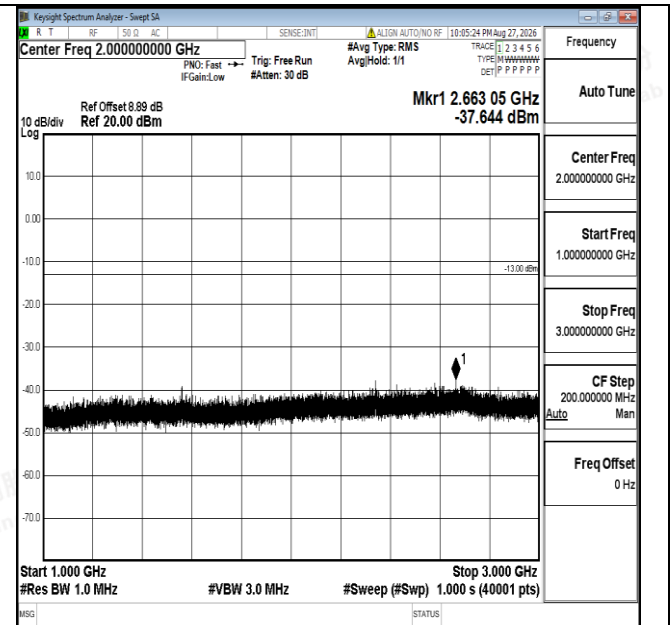
Band13-5MHz-QPSK-23230-1RB#0-0.009~0.15-PASS



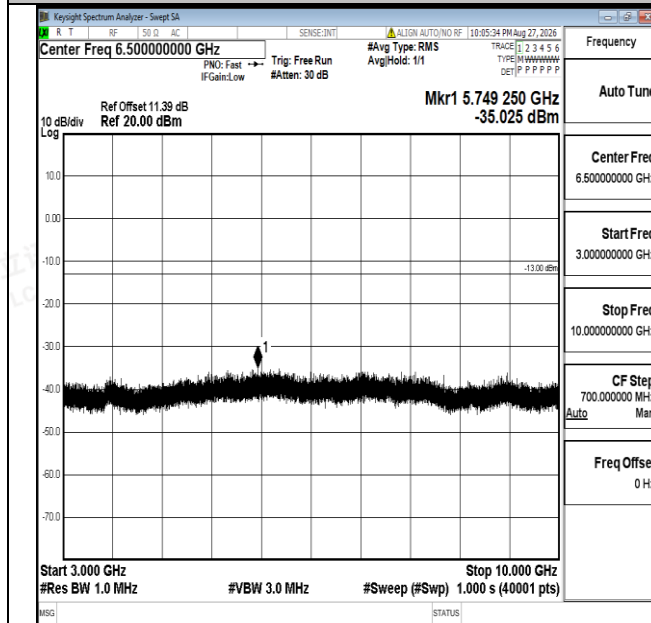
Band13-5MHz-QPSK-23230-1RB#0-0.15~30-PASS



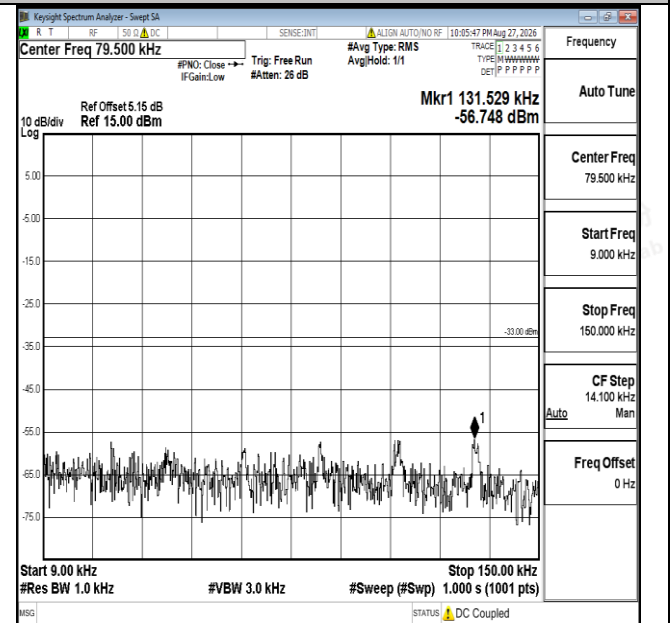
Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS



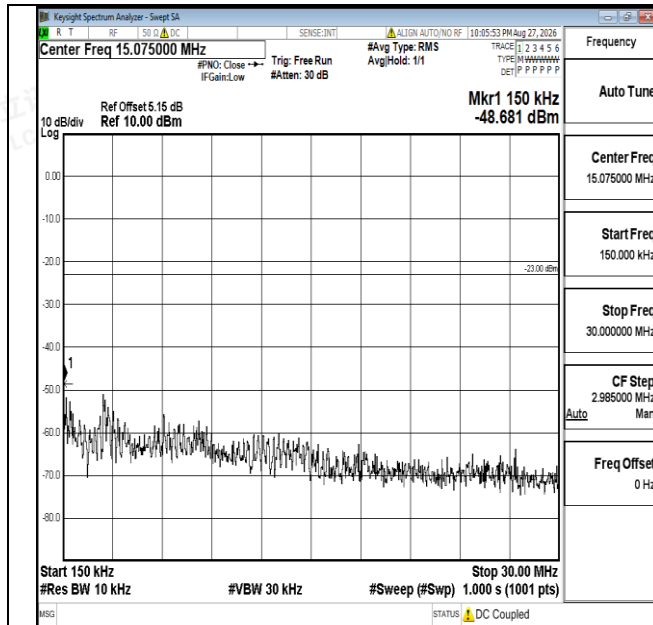
Band13-5MHz-QPSK-23230-1RB#0-1000~3000-PASS



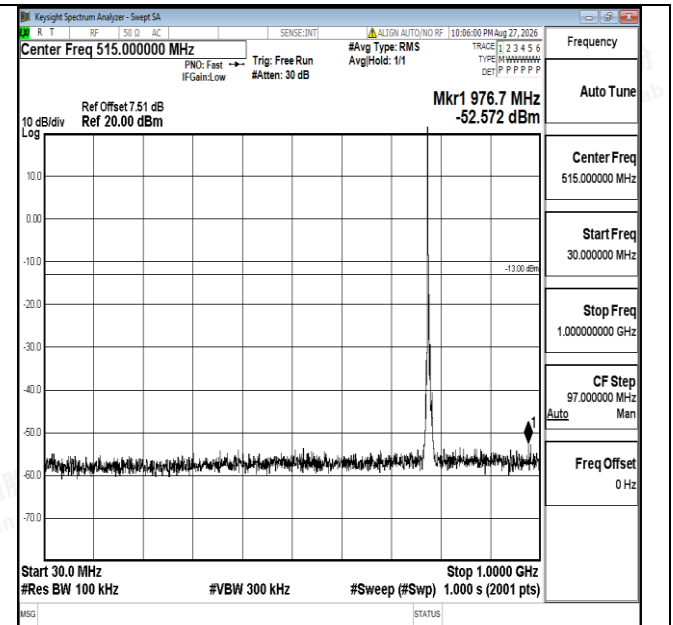
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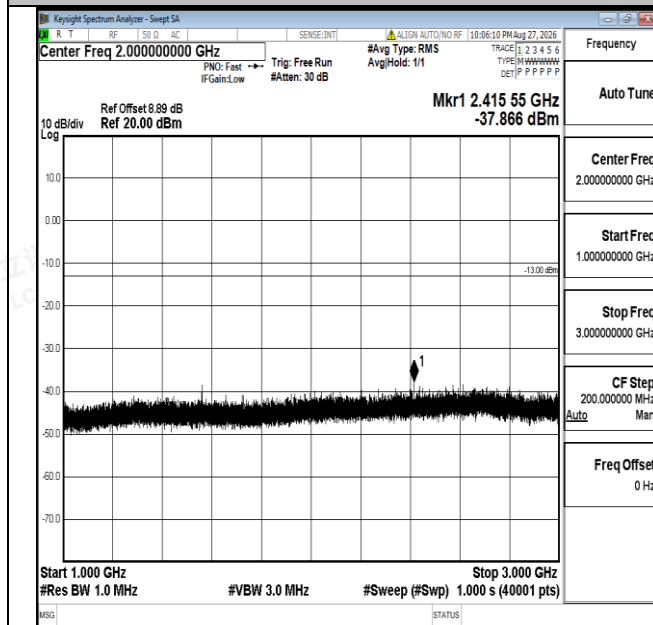
Band13-5MHz-16QAM-23230-1RB#0-0.009~0.15-PASS



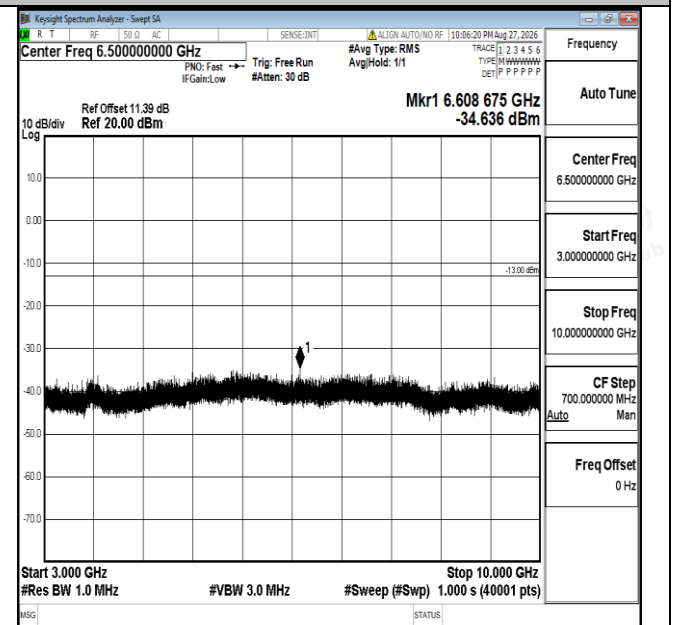
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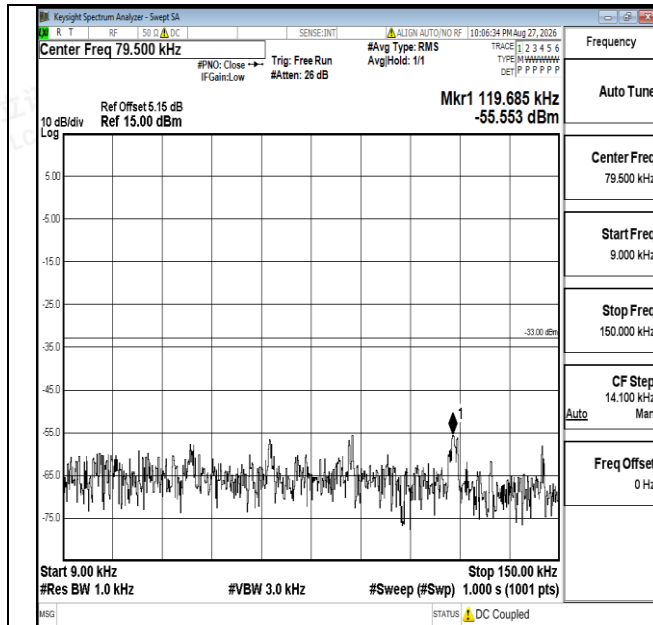
Band13-5MHz-16QAM-23230-1RB#0-30~1000-PASS



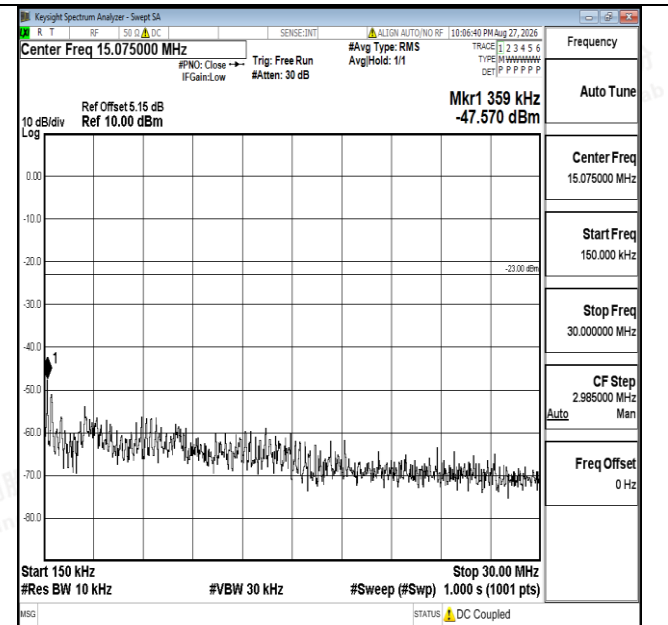
Band13-5MHz-16QAM-23230-1RB#0-1000~3000-PASS



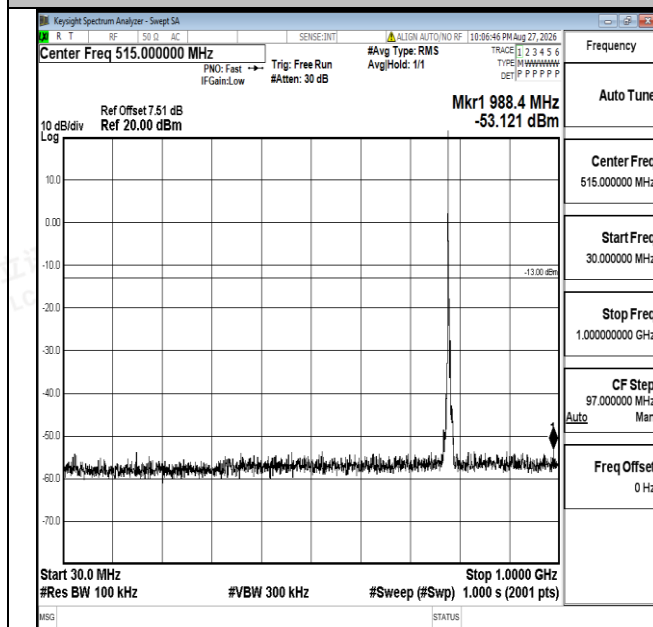
Band13-5MHz-16QAM-23230-1RB#0-3000~10000-PASS



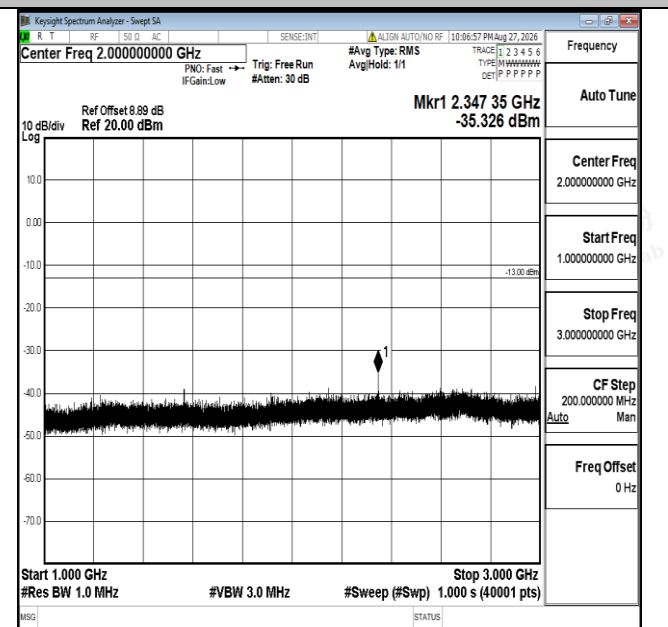
Band13-5MHz-QPSK-23255-1RB#0-0.009~0.15-PASS



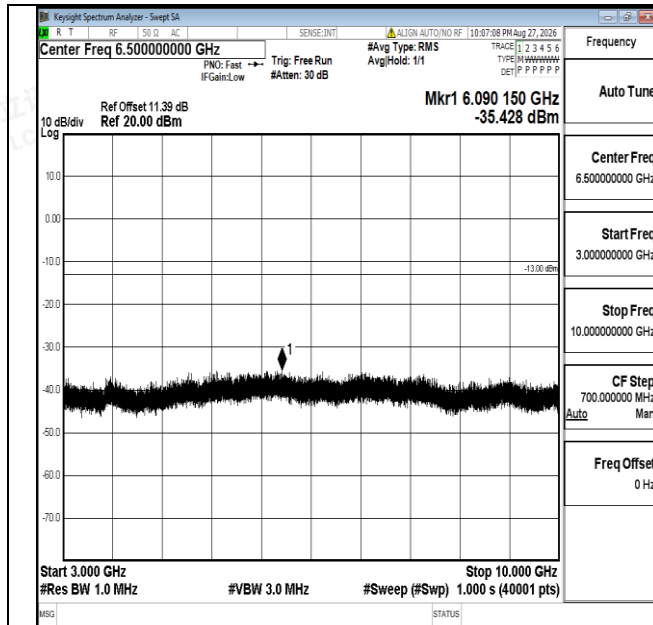
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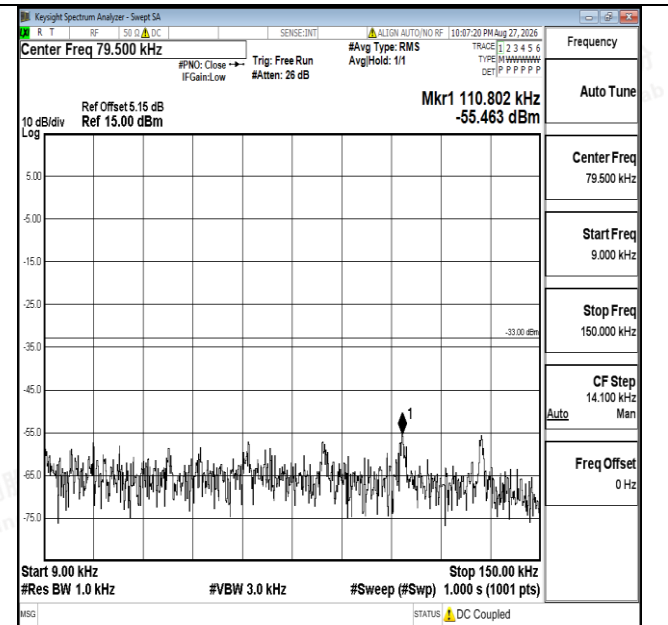
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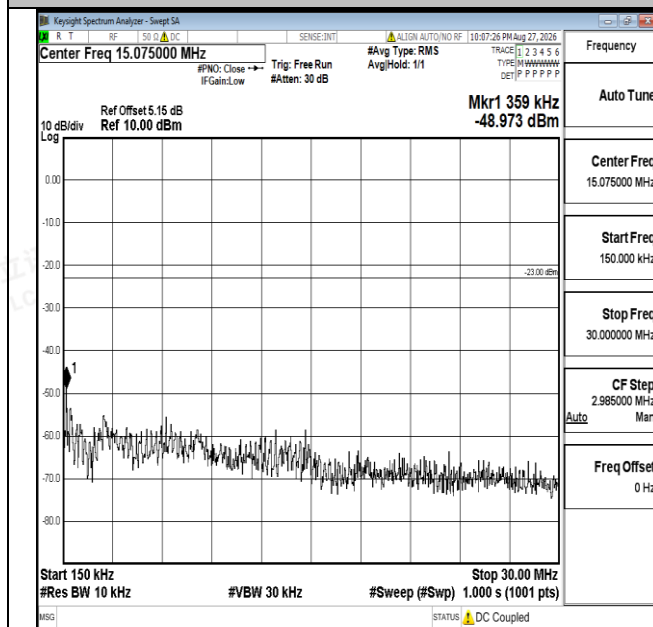
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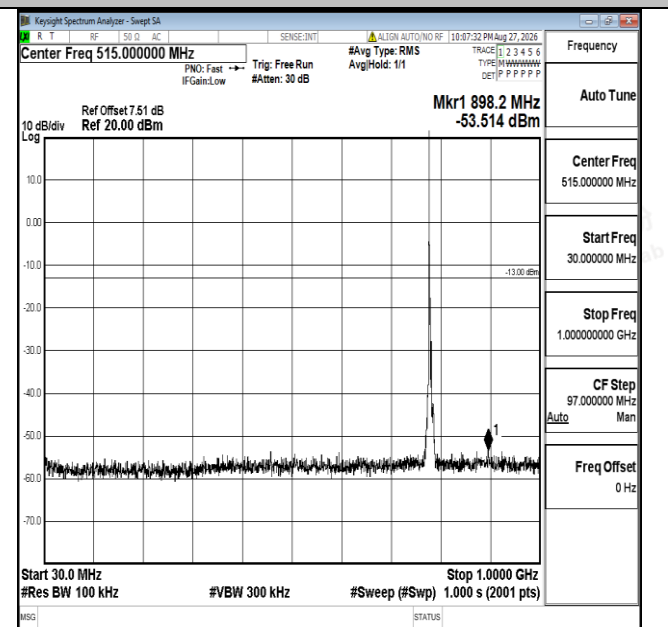
Band13-5MHz-QPSK-23255-1RB#0-3000~10000-PASS



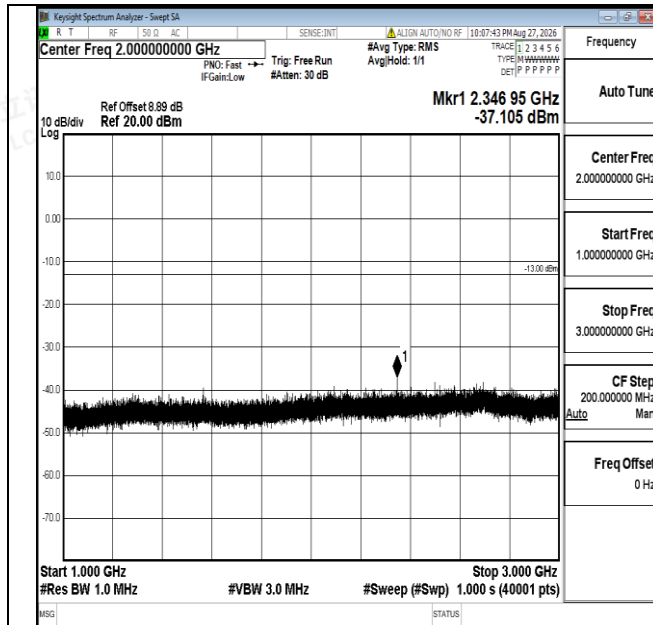
Band13-5MHz-16QAM-23255-1RB#0-0.009~0.15-PASS



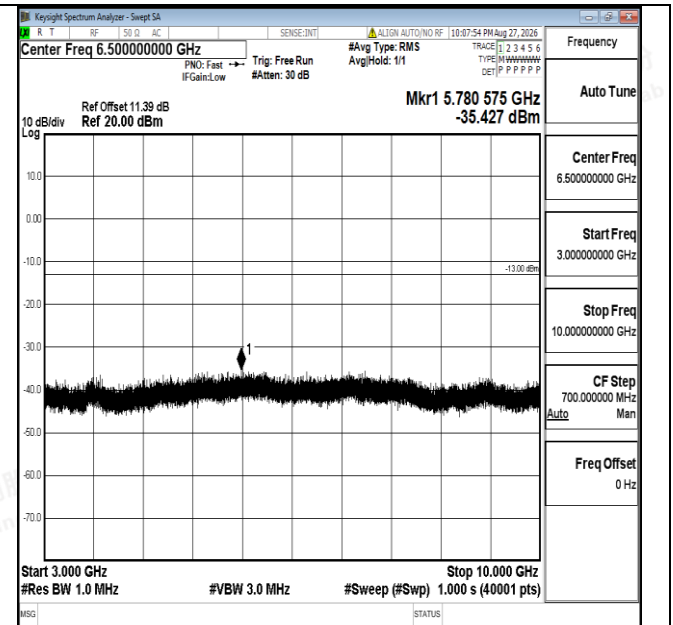
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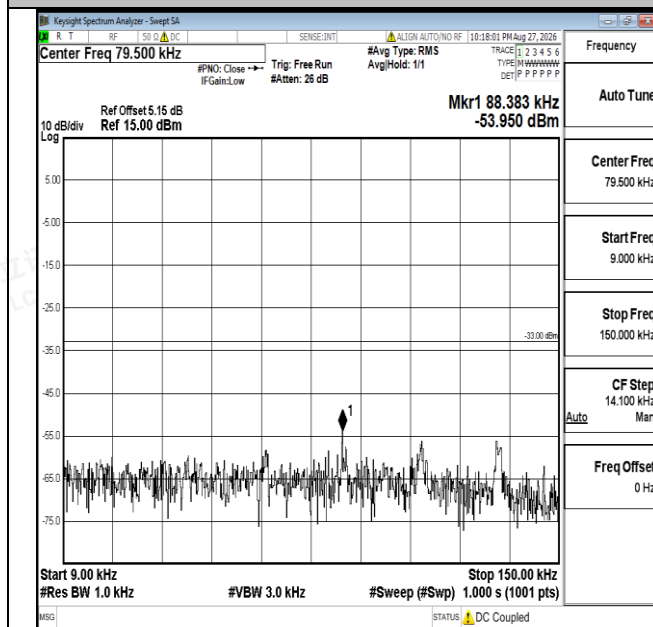
Band13-5MHz-16QAM-23255-1RB#0-30~1000-PASS



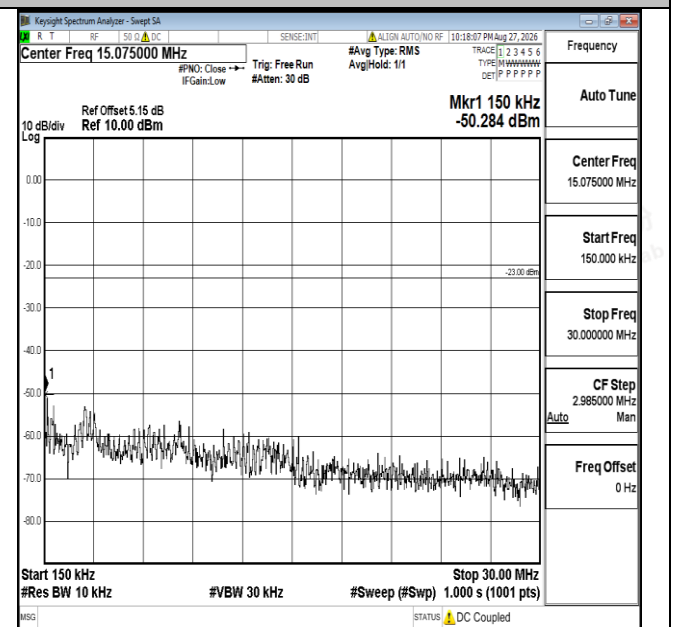
Band13-5MHz-16QAM-23255-1RB#0-1000~3000-PASS



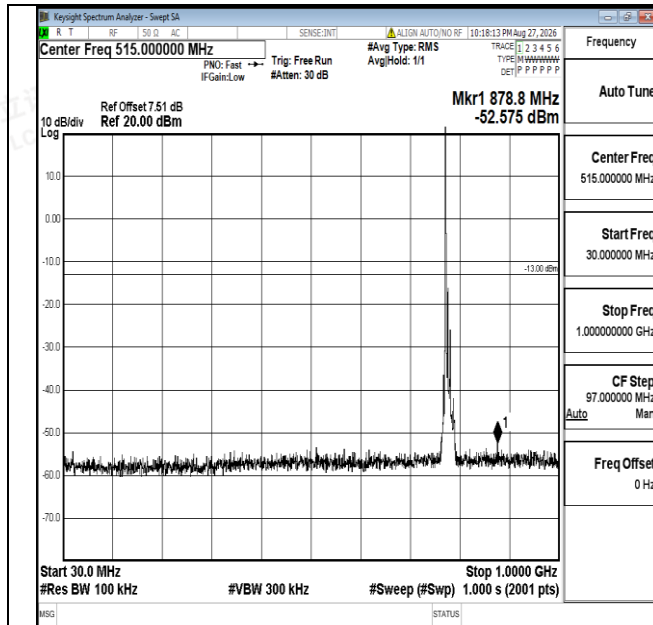
Band13-5MHz-16QAM-23255-1RB#0-3000~10000-PASS



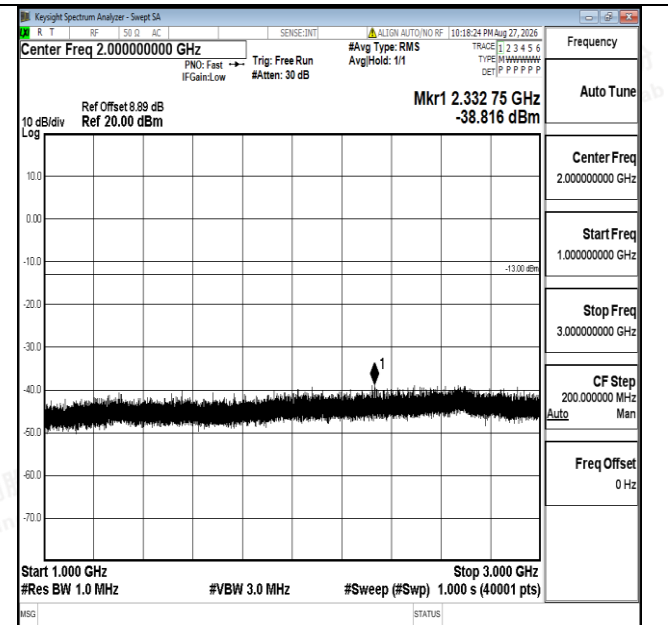
Band13-10MHz-QPSK-23230-1RB#0-0.009~0.15-PASS



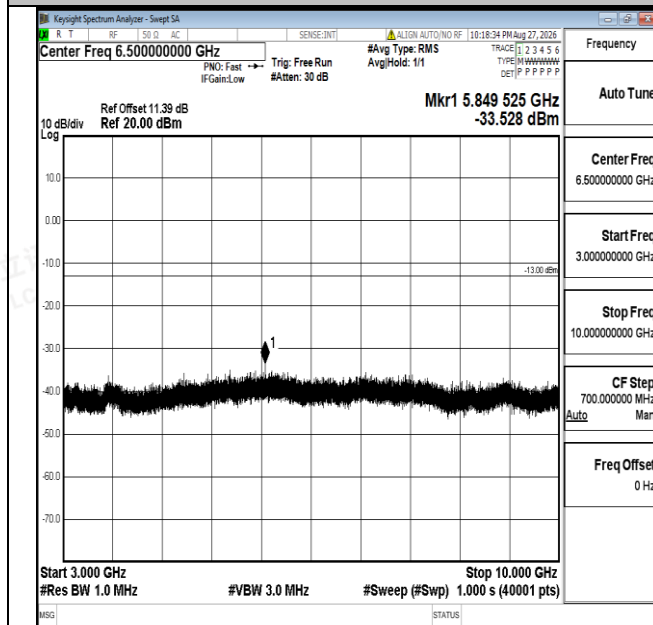
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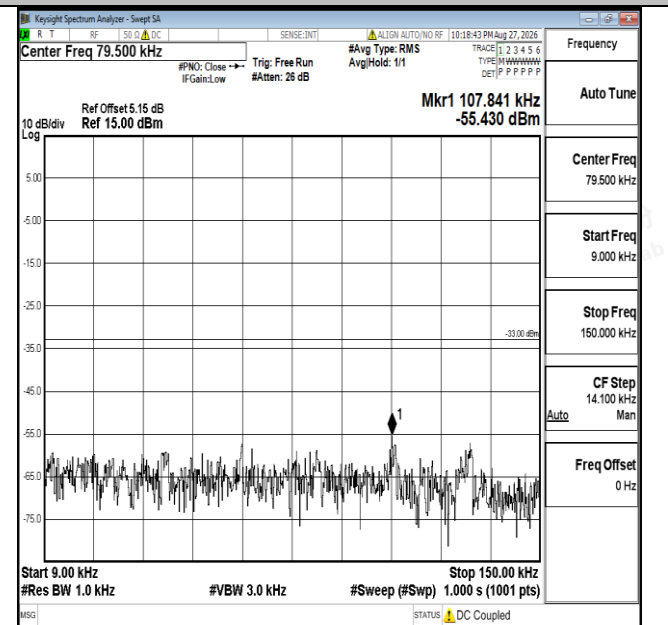
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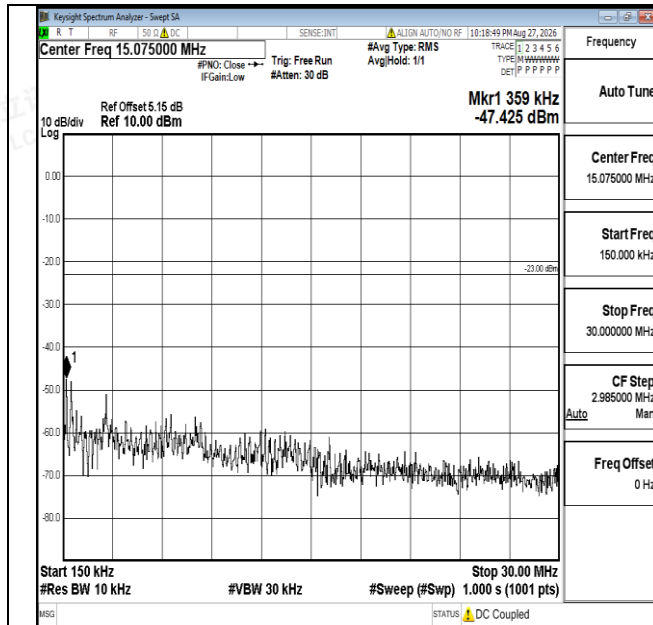
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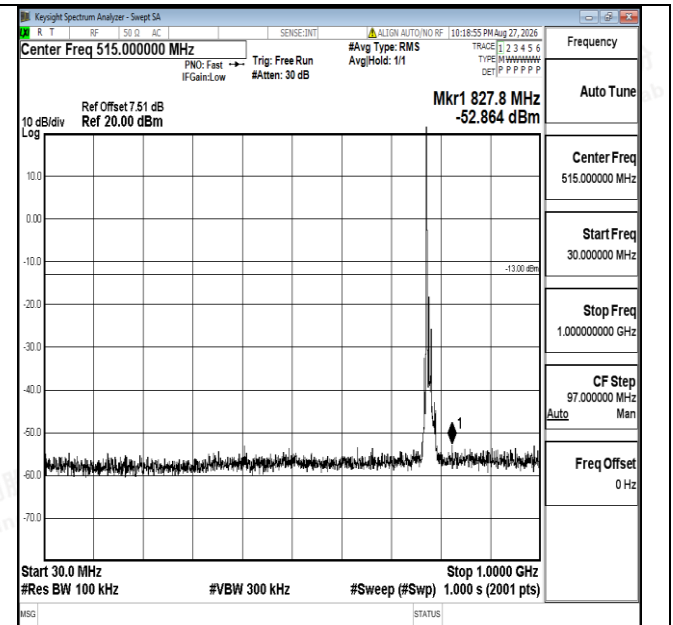
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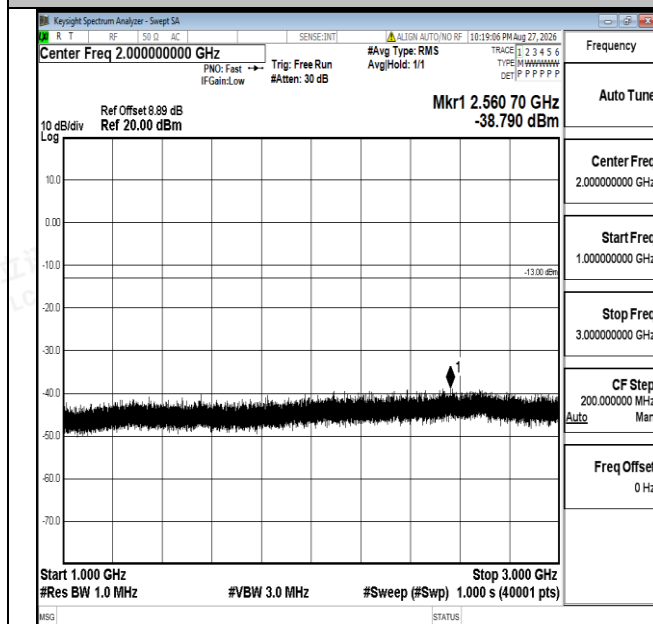
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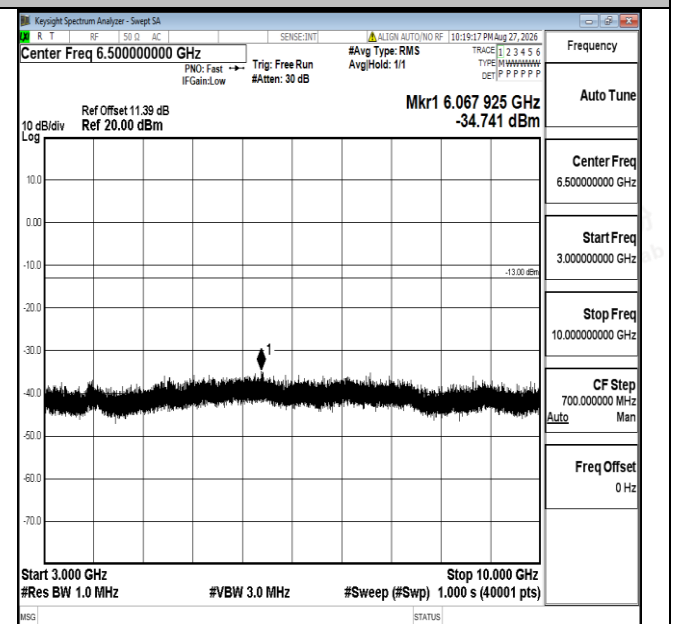
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Band13-10MHz-16QAM-23230-1RB#0-30~1000-PASS



Band13-10MHz-16QAM-23230-1RB#0-1000~3000-PASS



Band13-10MHz-16QAM-23230-1RB#0-3000~10000-PASS