



Appendix G: Test Data for E-UTRA Band 13

Product Name: Pawfit Lite GPS pet tracker (Pawfit Lite, Pawfit Lite For Cats, Pawfit Lite For Dogs)

Test Model: TR3C

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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G.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.97	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.69	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.97	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.59	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.87	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.59	PASS
Band13	5MHz	QPSK	23205	12RB#0	23.01	PASS
Band13	5MHz	16QAM	23205	12RB#0	23.06	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.02	PASS
Band13	5MHz	16QAM	23205	12RB#6	23.08	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.12	PASS
Band13	5MHz	16QAM	23205	12RB#13	23.12	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.14	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.44	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.05	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.11	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.90	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.07	PASS
Band13	5MHz	QPSK	23230	1RB#24	24.12	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.08	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.12	PASS
Band13	5MHz	16QAM	23230	12RB#0	23.12	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.12	PASS
Band13	5MHz	16QAM	23230	12RB#6	23.03	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.05	PASS
Band13	5MHz	16QAM	23230	12RB#13	23.00	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.06	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.57	PASS
Band13	5MHz	QPSK	23255	1RB#0	24.22	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.21	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.23	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.24	PASS
Band13	5MHz	QPSK	23255	1RB#24	24.02	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.13	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.07	PASS



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Band13	5MHz	16QAM	23255	12RB#0	23.00	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.95	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.95	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.94	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.94	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.07	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.36	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.29	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.69	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.29	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.64	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.20	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.99	PASS
Band13	10MHz	16QAM	23230	25RB#0	22.98	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.98	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.98	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.94	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.94	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.95	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.19	PASS



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

Test Result

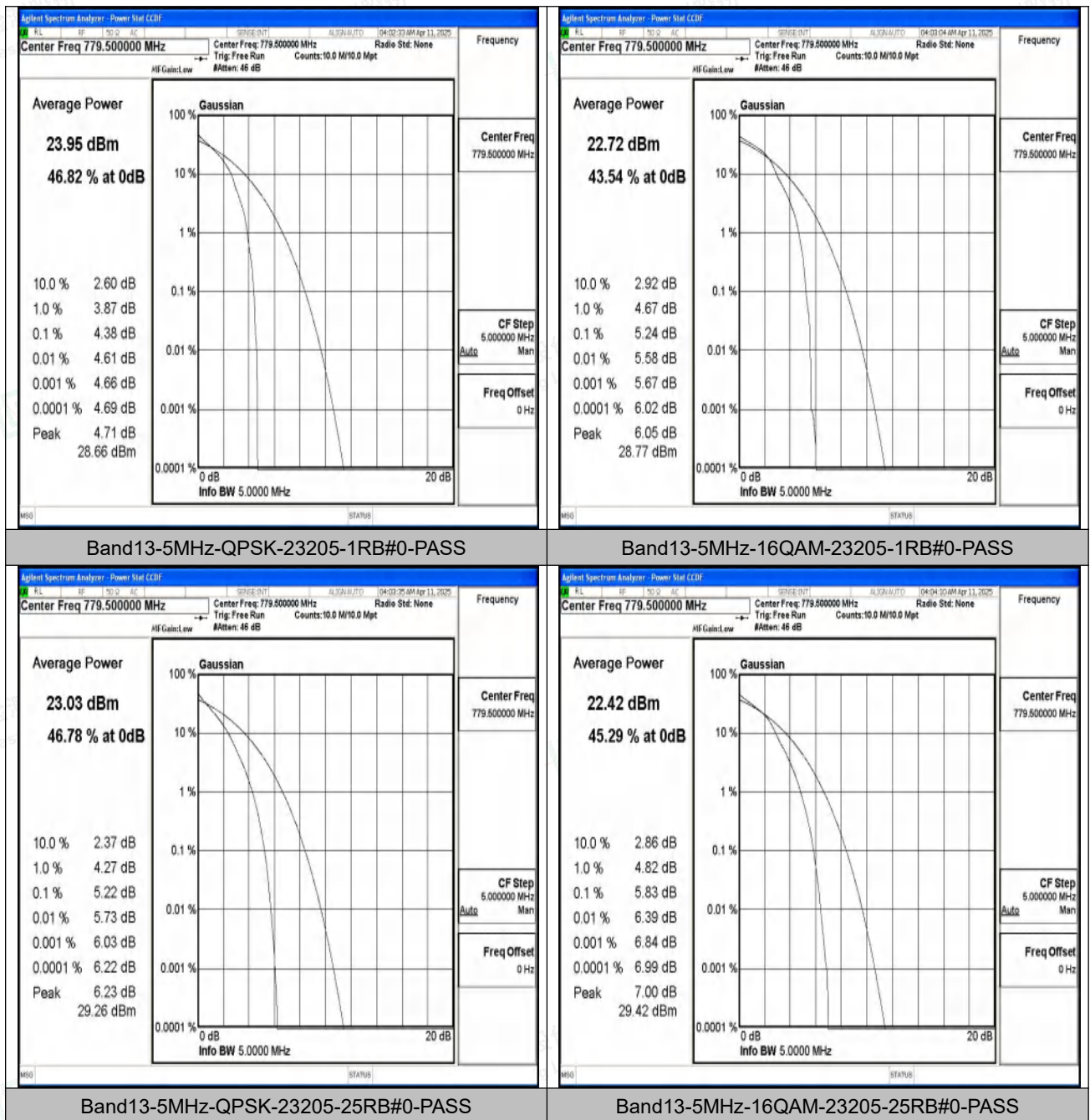
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Band13	5MHz	QPSK	23205	1RB#0	4.38	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.24	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.22	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.83	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.24	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	4.72	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.30	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.92	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.27	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.08	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.42	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.07	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.44	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.22	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.40	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.08	13	PASS

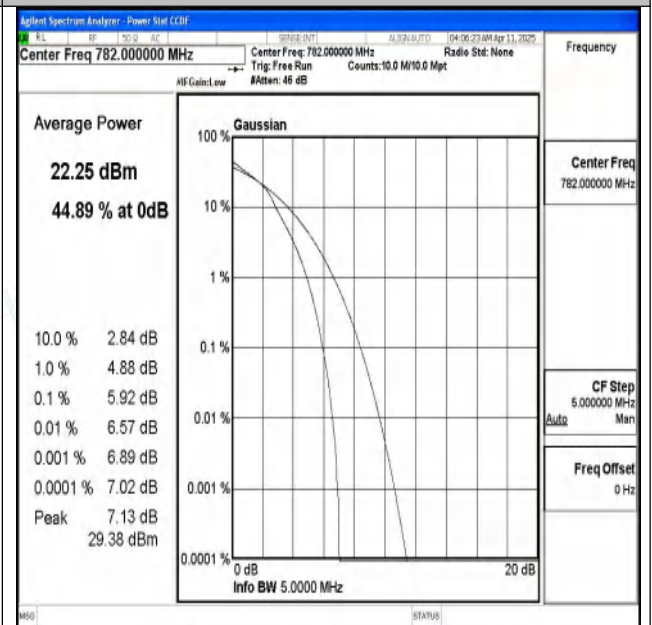
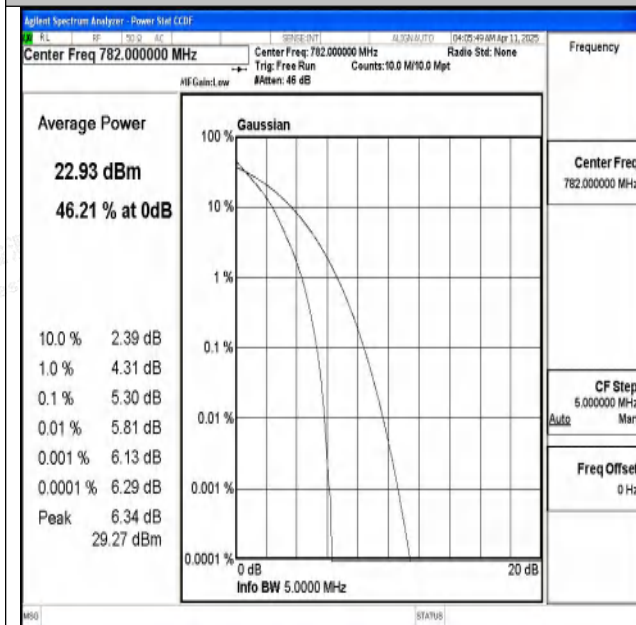
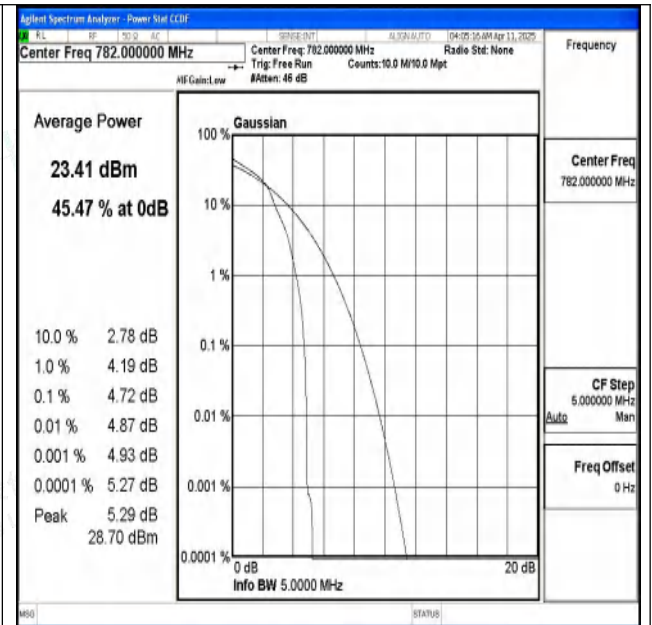
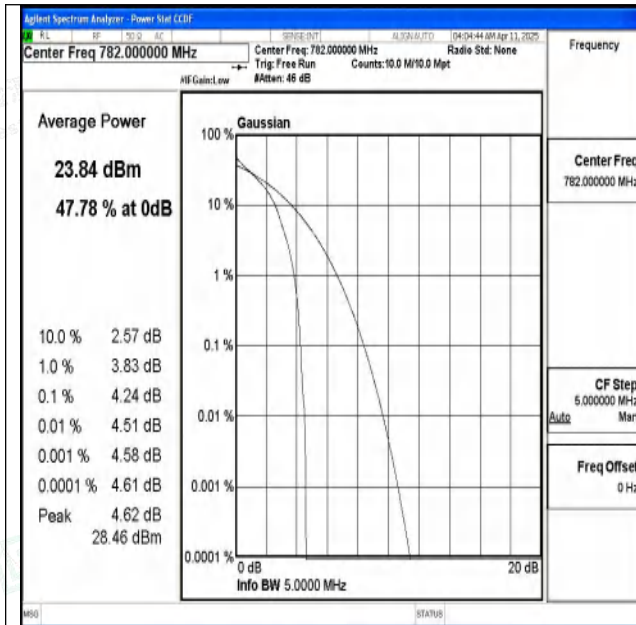


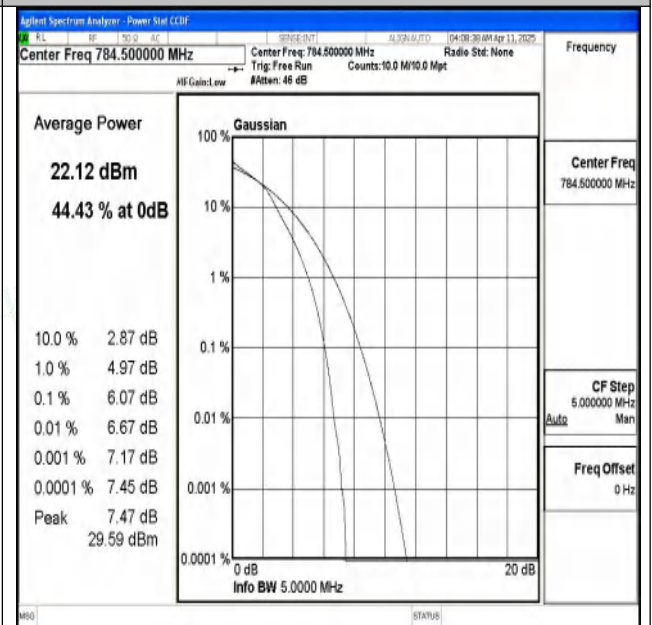
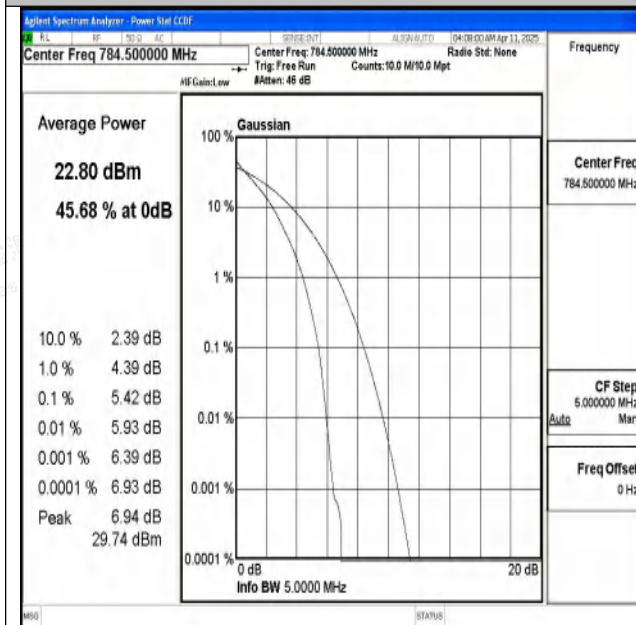
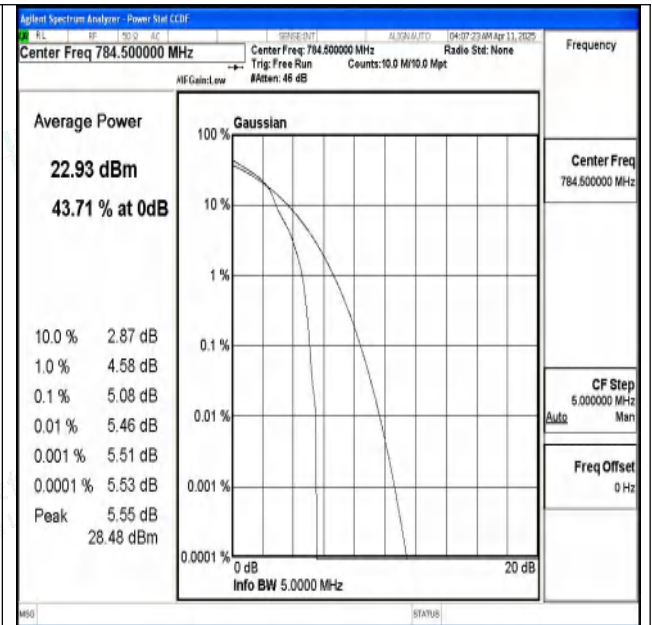
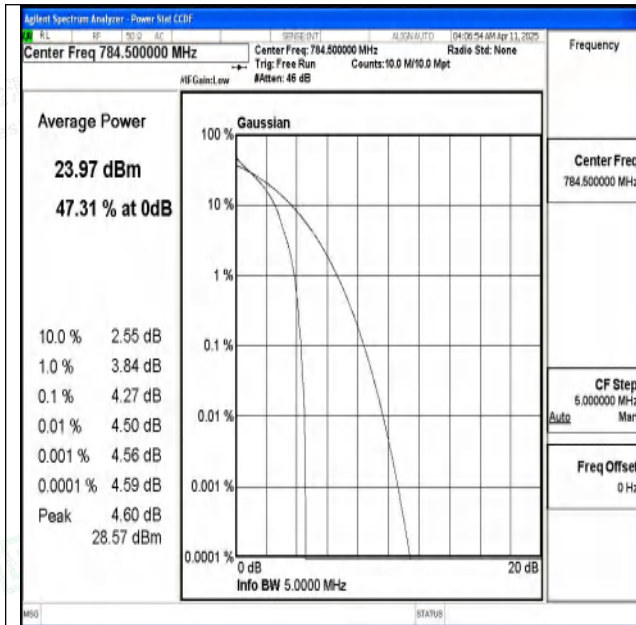
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Test Graphs





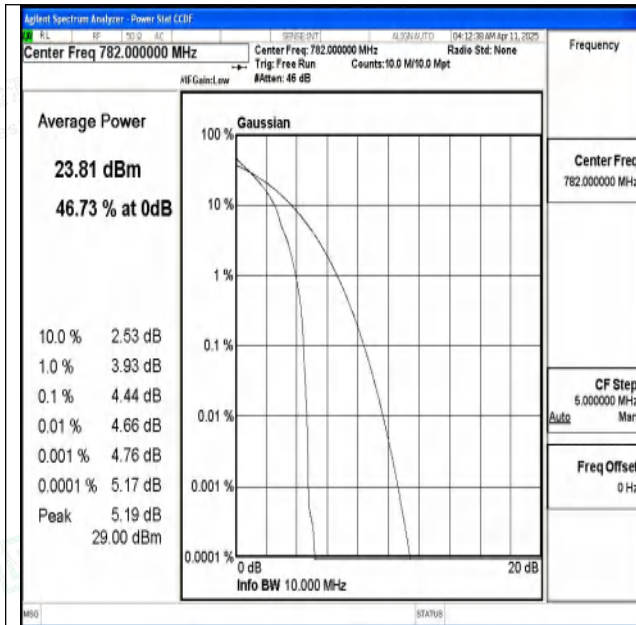


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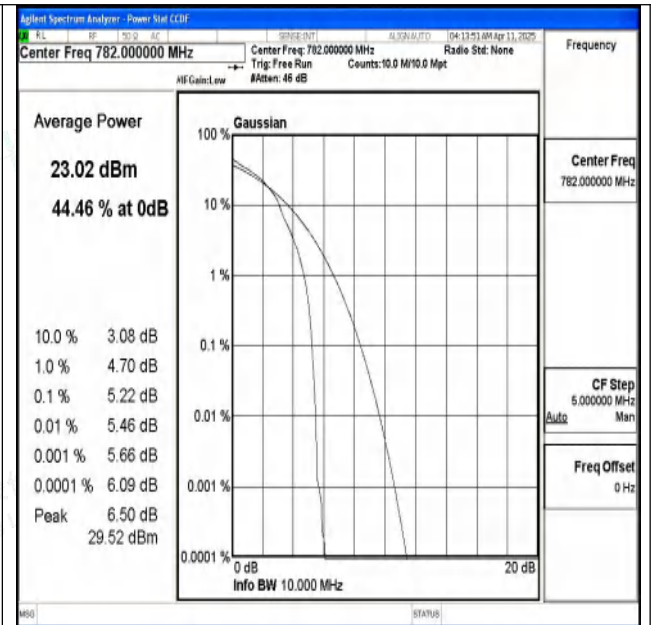
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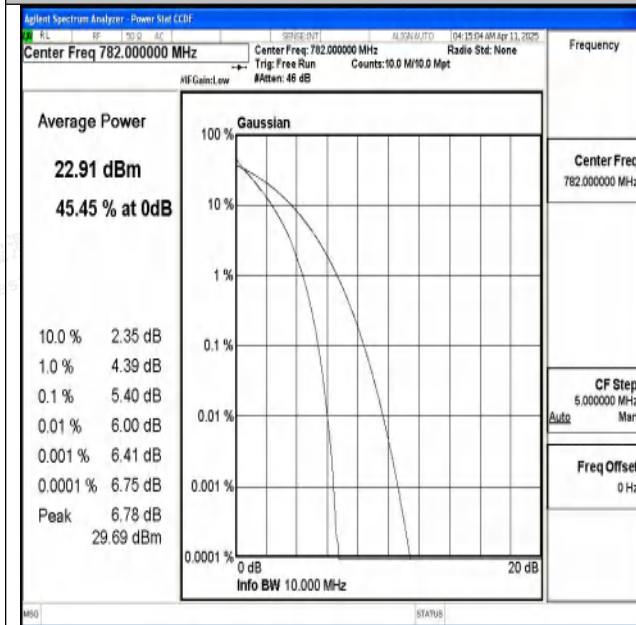
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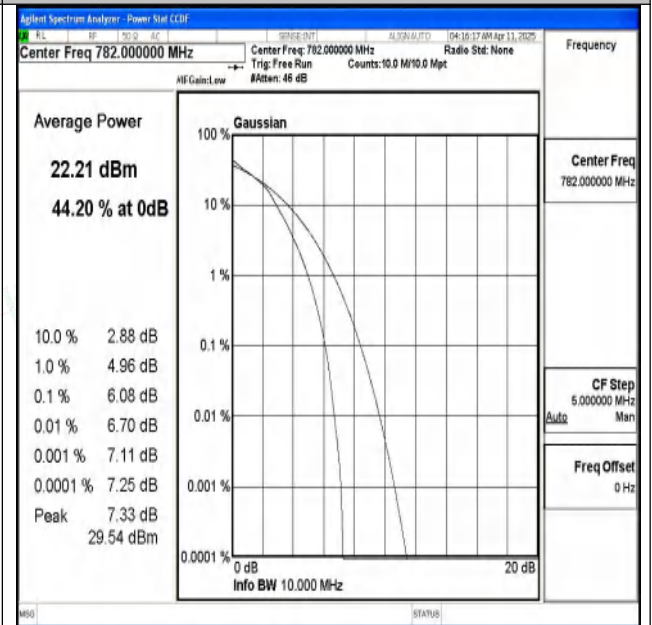
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Band13-10MHz-16QAM-23230-1RB#0-PASS



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



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



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G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

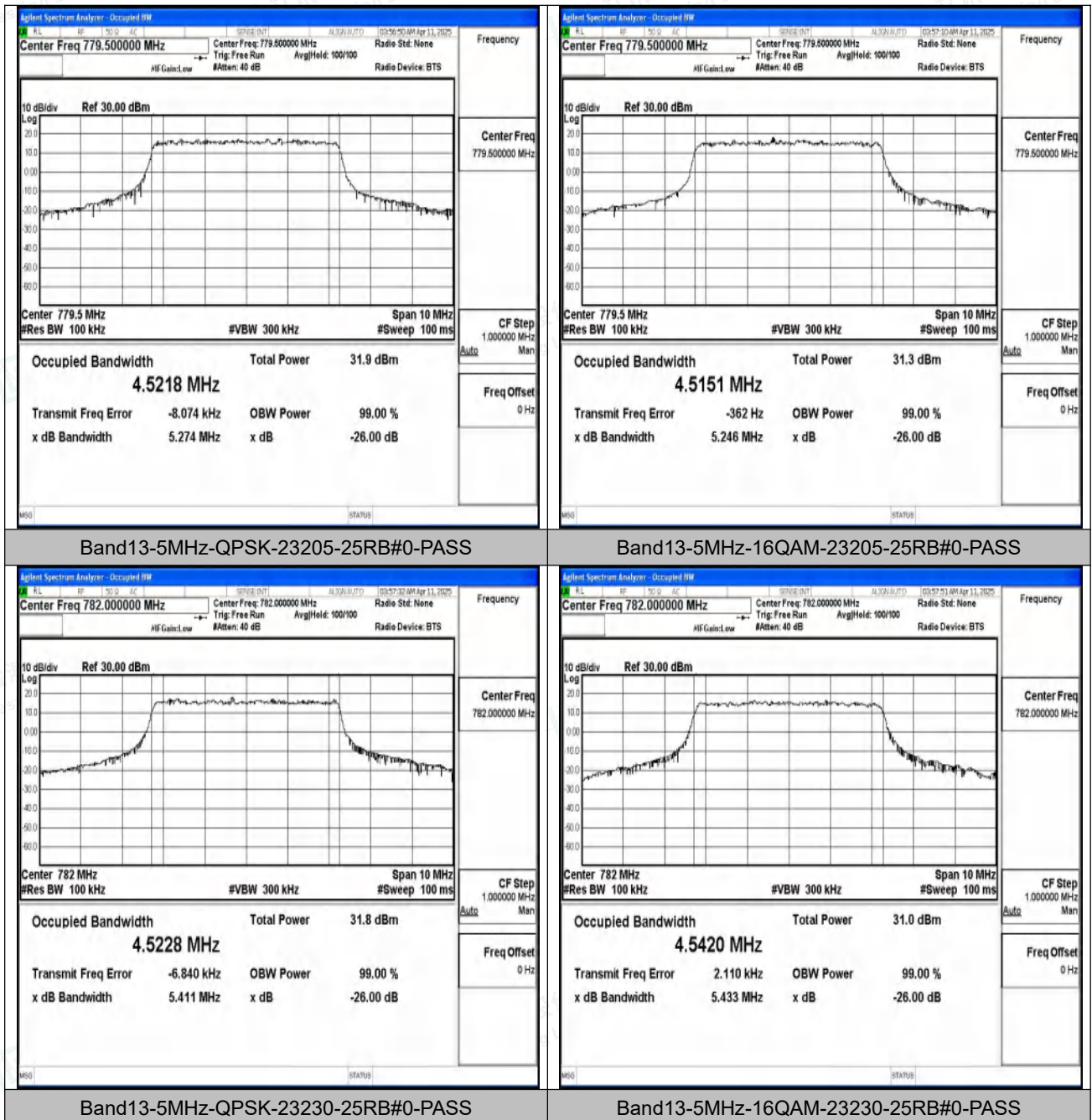
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5218	5.274	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5151	5.246	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5228	5.411	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5420	5.433	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5216	5.202	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5494	5.474	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.0022	10.16	PASS
Band13	10MHz	16QAM	23230	50RB#0	9.0100	10.48	PASS



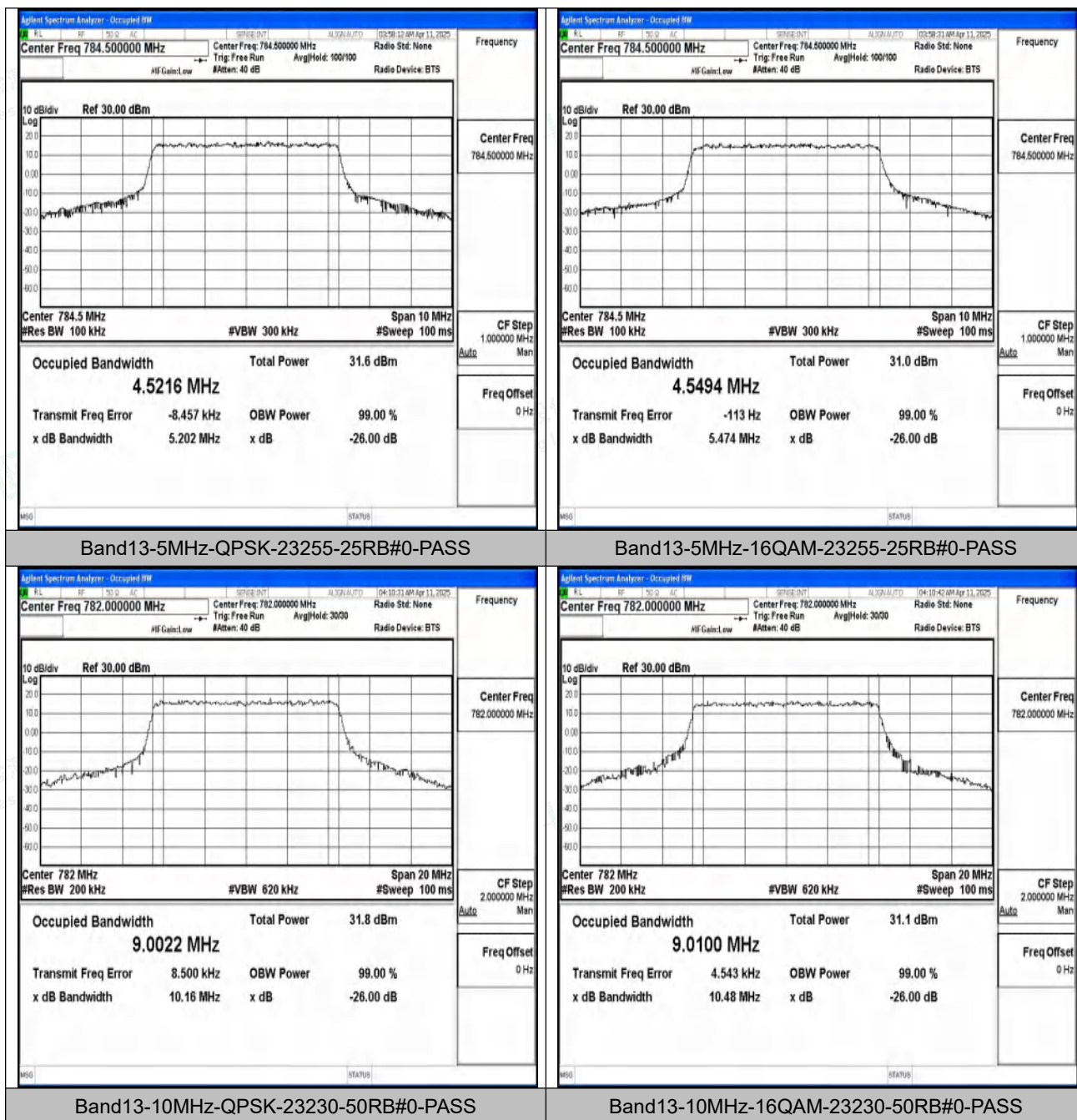
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Test Graphs



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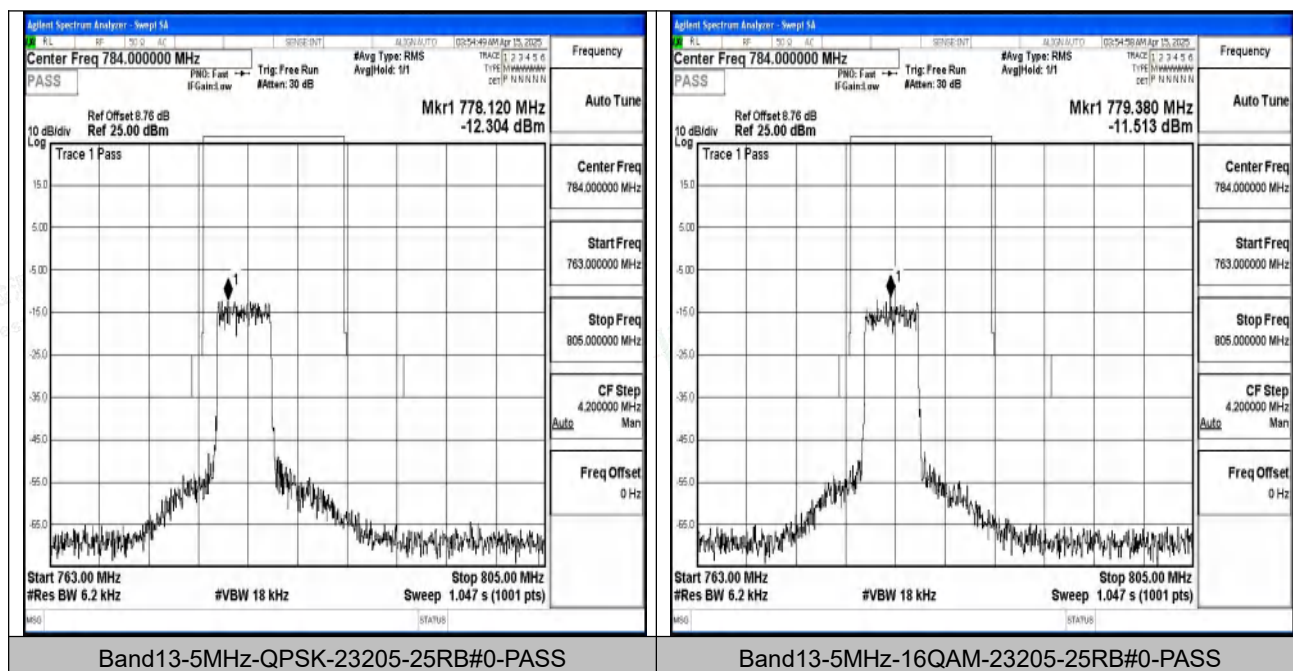


G.4 Band Edge

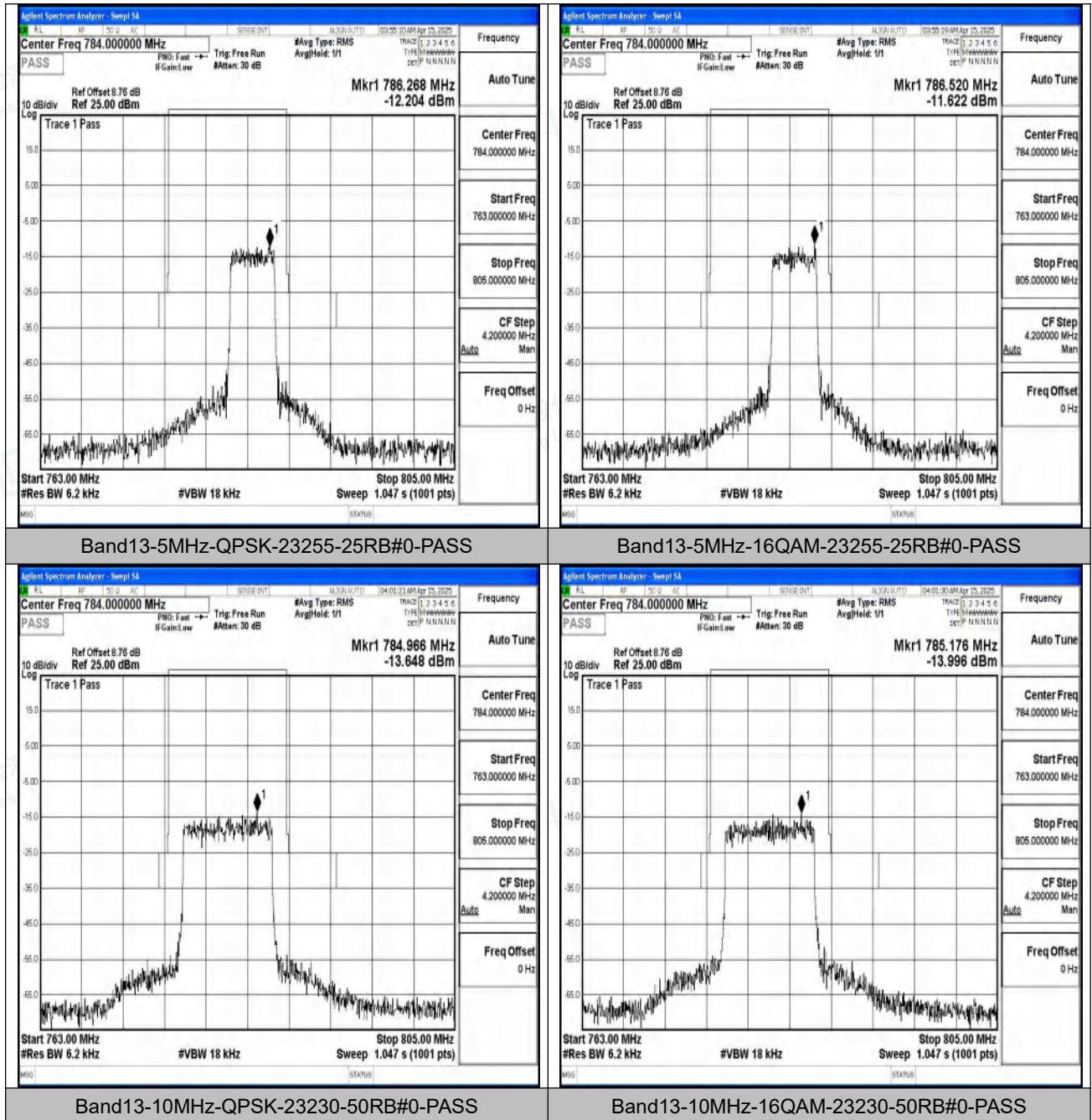
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-70.03	PASS
Band13	5MHz	16QAM	23205	25RB#0	-71.22	PASS
Band13	5MHz	QPSK	23255	25RB#0	-70.67	PASS
Band13	5MHz	16QAM	23255	25RB#0	-68.29	PASS
Band13	10MHz	QPSK	23230	50RB#0	-70.15	PASS
Band13	10MHz	16QAM	23230	50RB#0	-67.94	PASS

Test Graphs



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G.5 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	-50.39	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-55.31	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-51.09	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-36.35	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-37.72	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-49.99	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-52.39	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-51.30	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-35.39	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-37.66	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-52.33	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-55.46	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-51.70	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-36.23	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-37.43	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-50.11	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-55.95	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-50.86	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-35.54	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-37.57	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-53.01	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-54.25	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-51.31	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-36.05	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-37.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-50.93	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-56.33	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-51.30	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-35.57	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-38.04	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-49.62	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-53.91	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-51.74	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-36.02	PASS

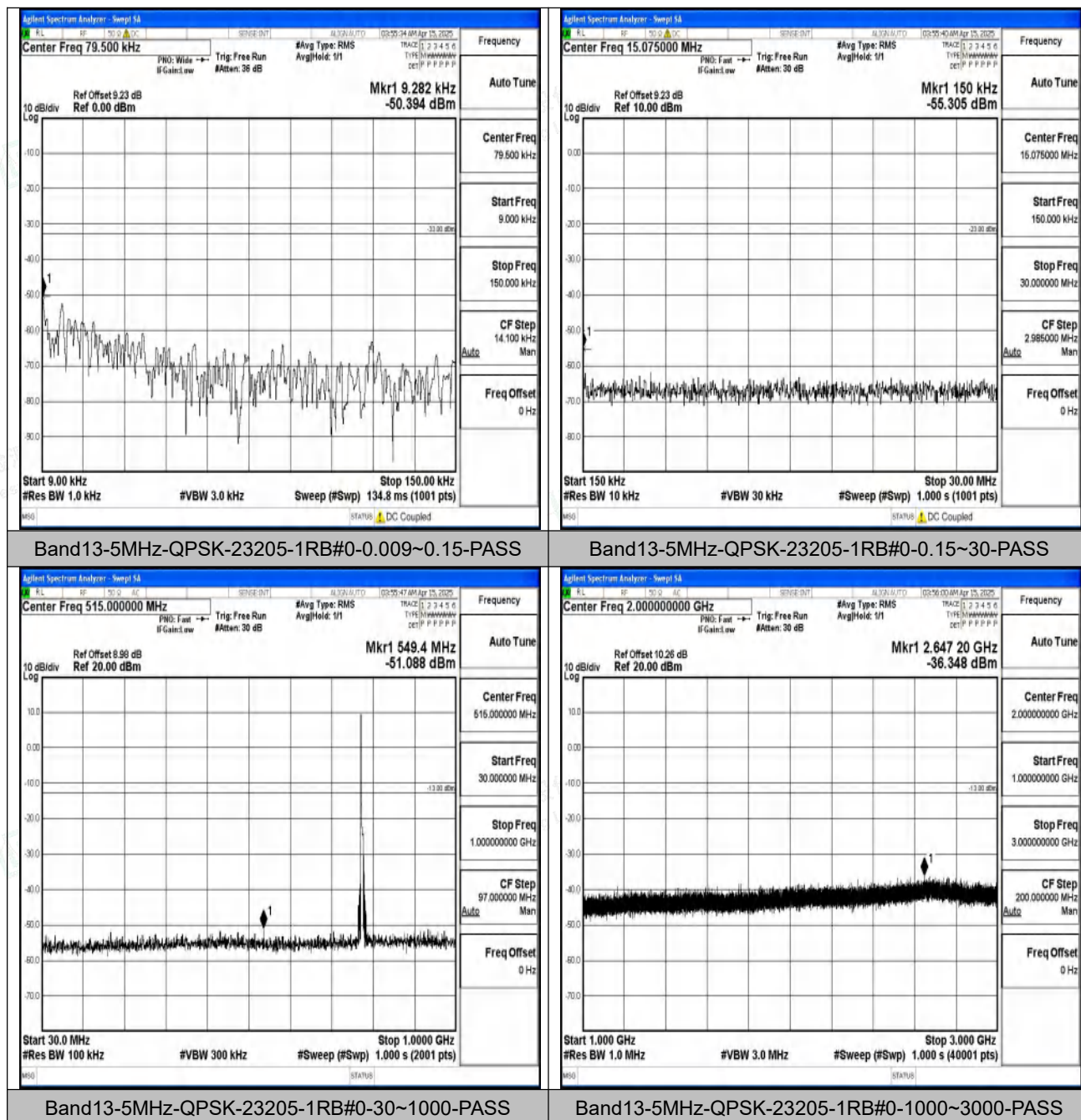


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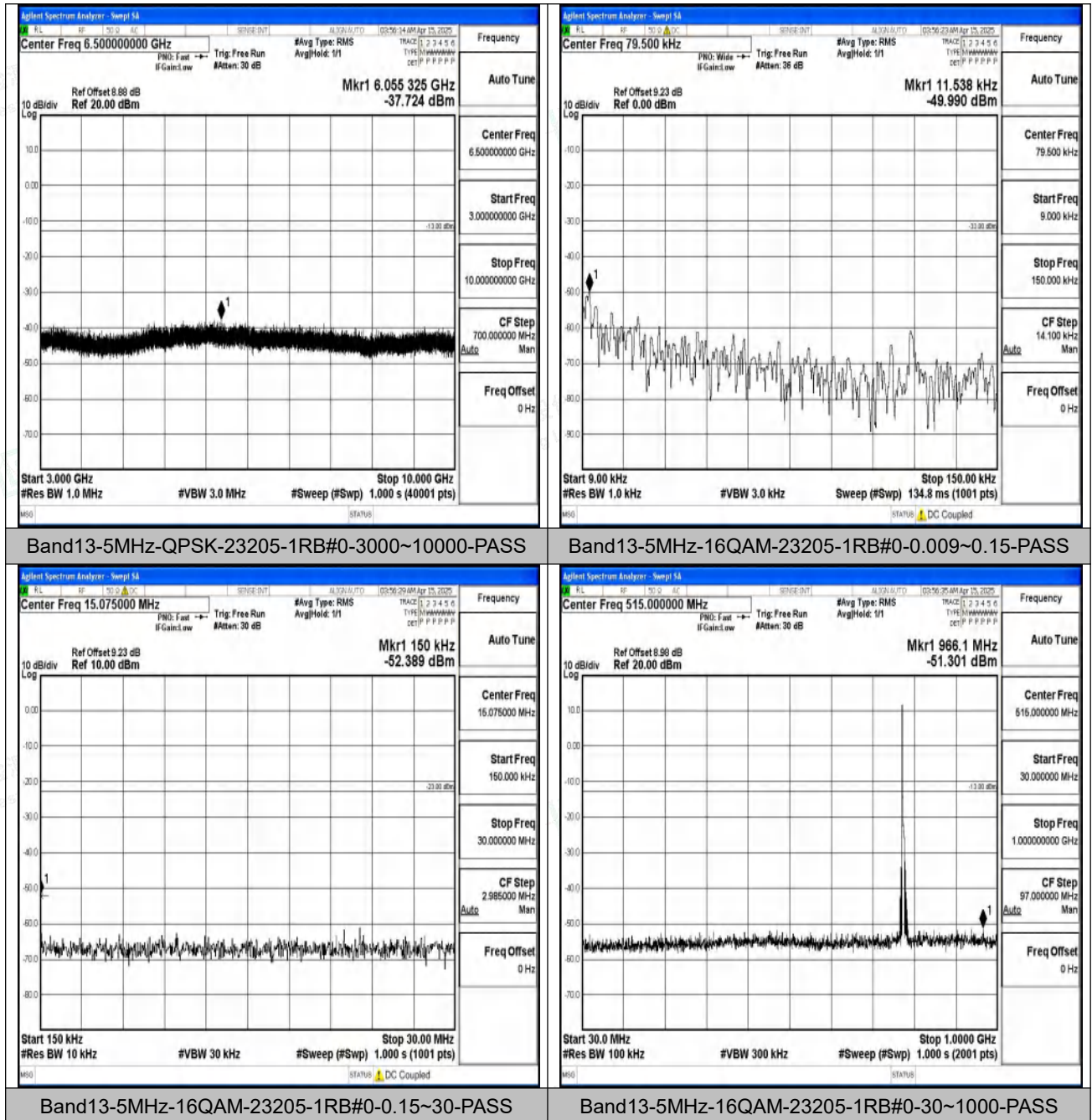


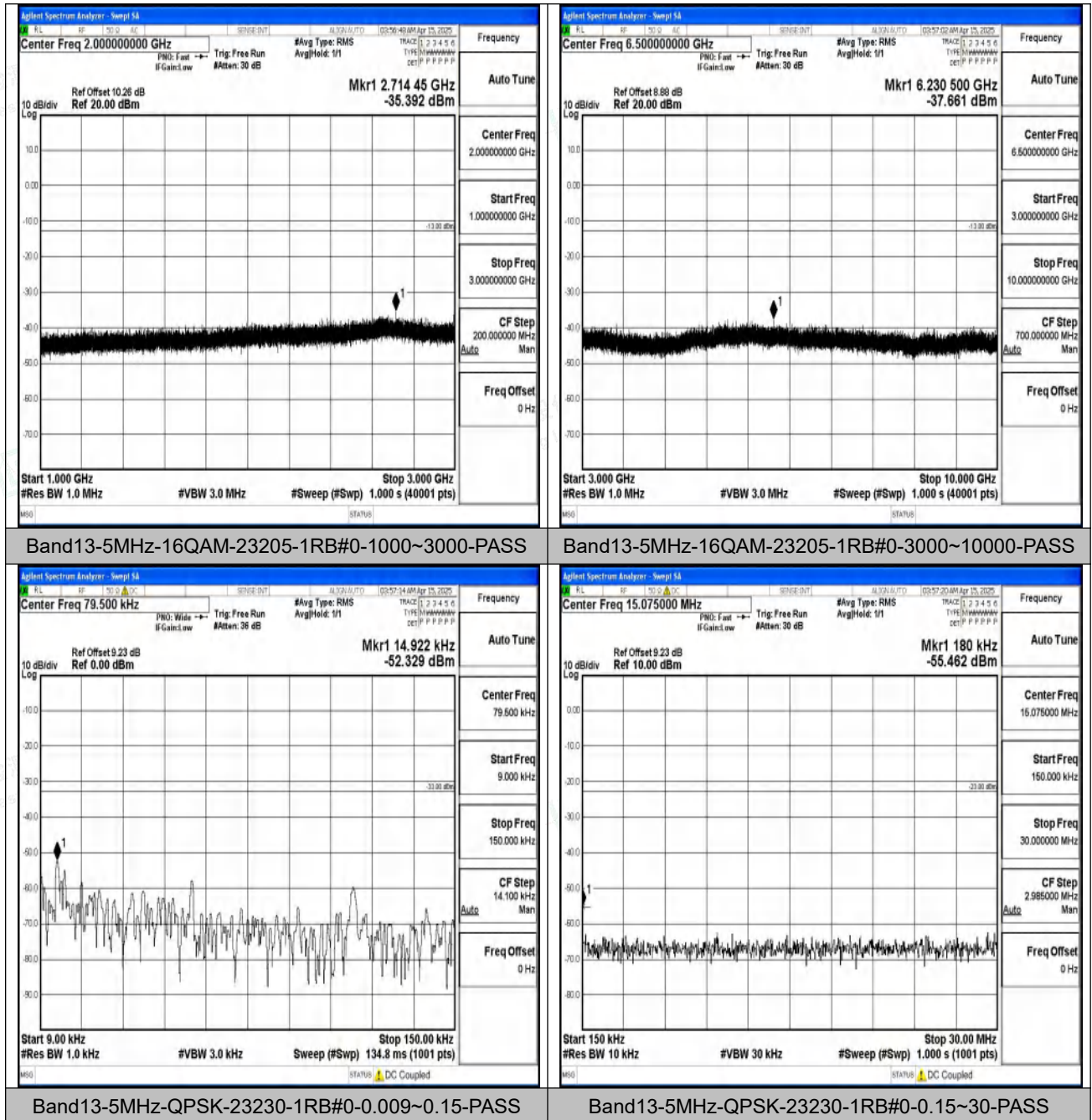
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-38.01	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-51.85	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-56.12	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-51.32	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-35.75	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-37.77	PASS

Test Graphs

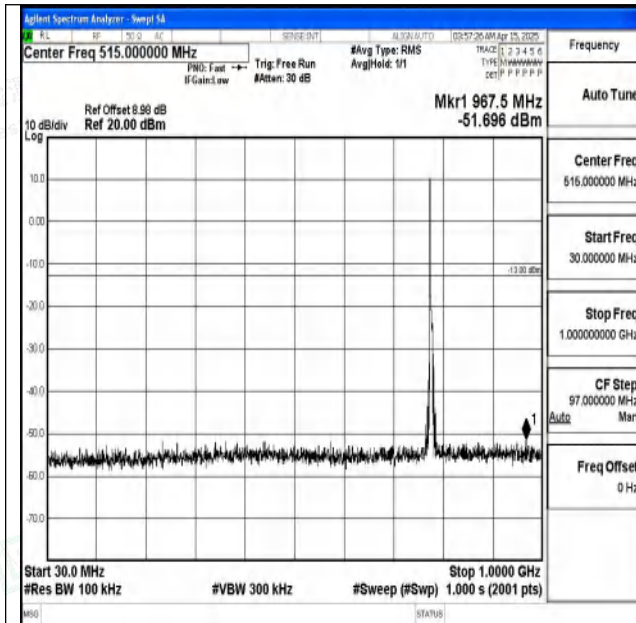


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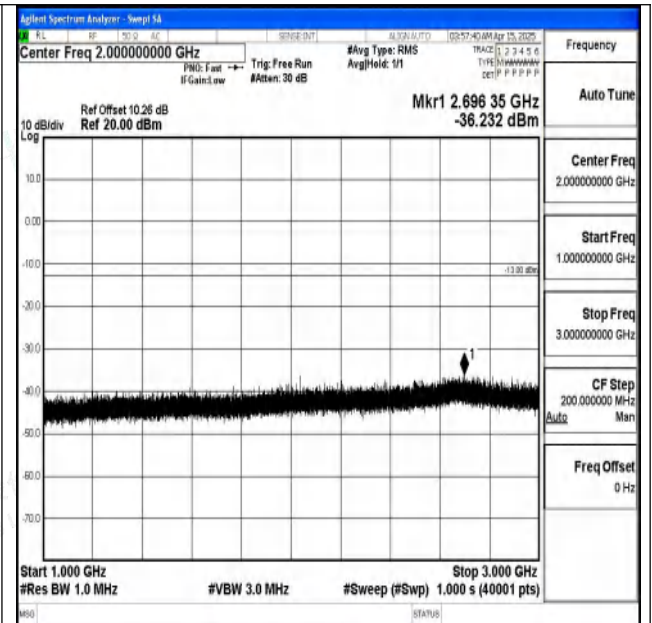




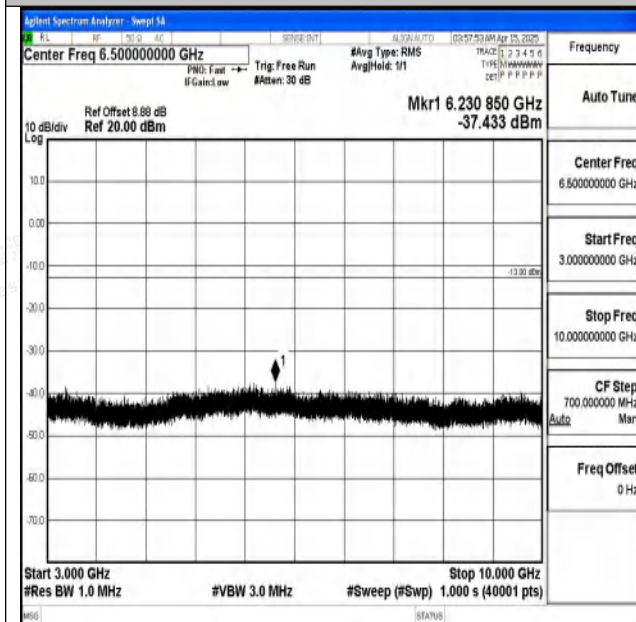
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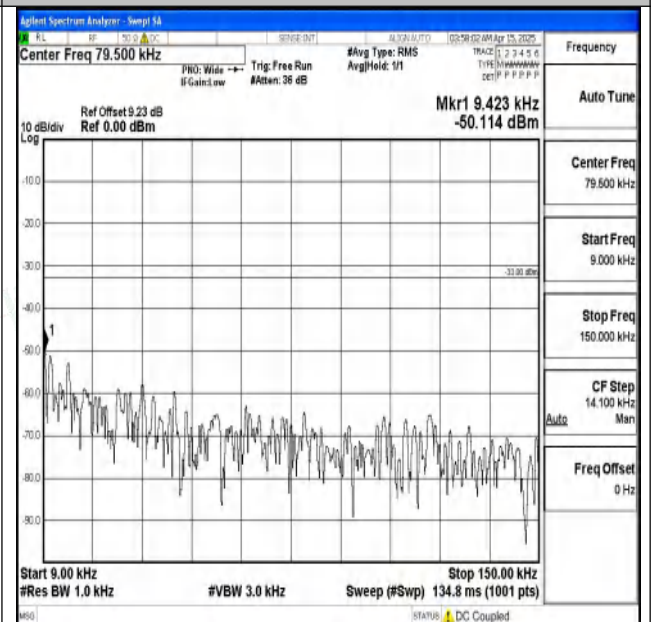
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Band13-5MHz-QPSK-23230-1RB#0-1000~3000-PASS

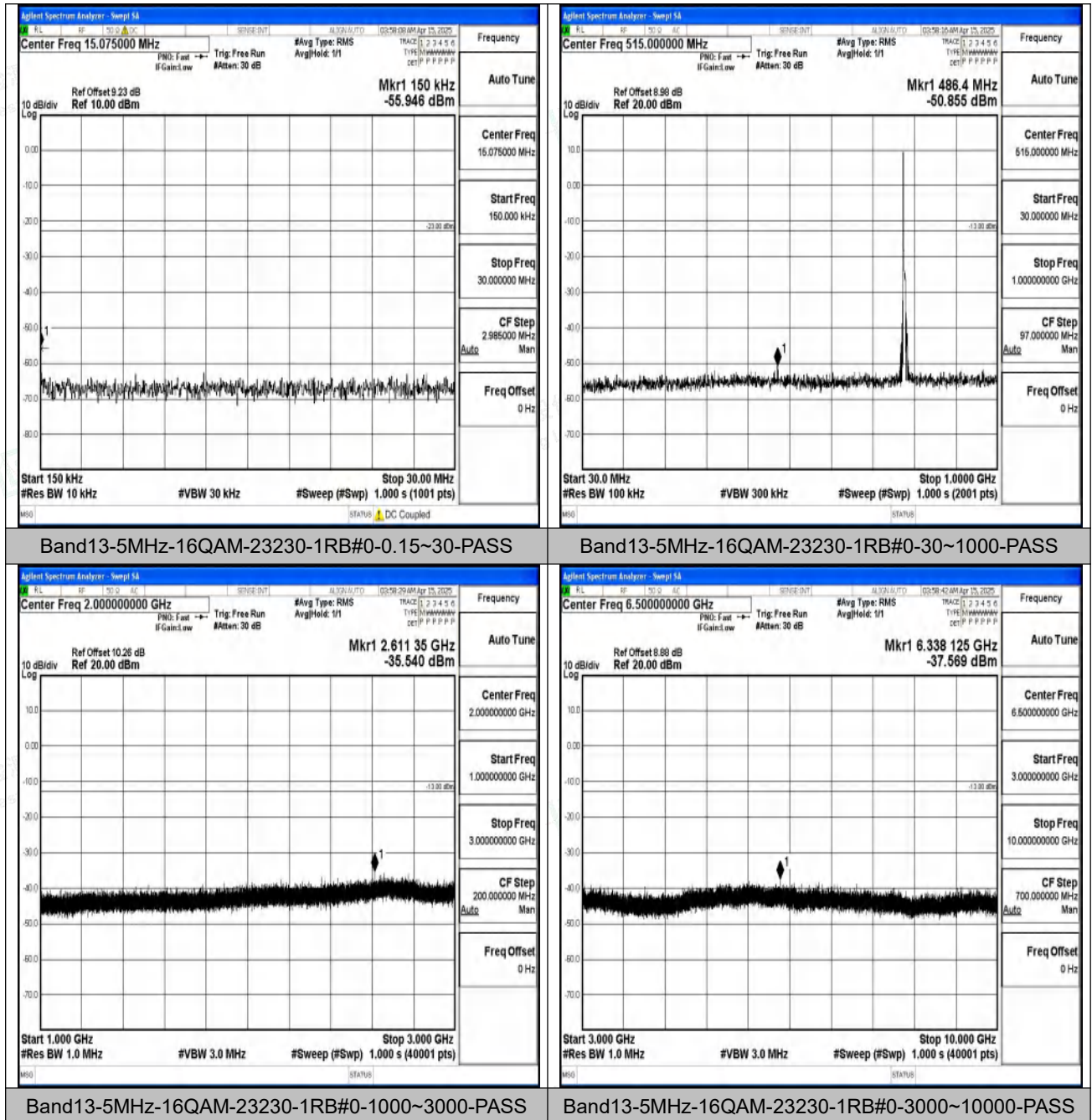


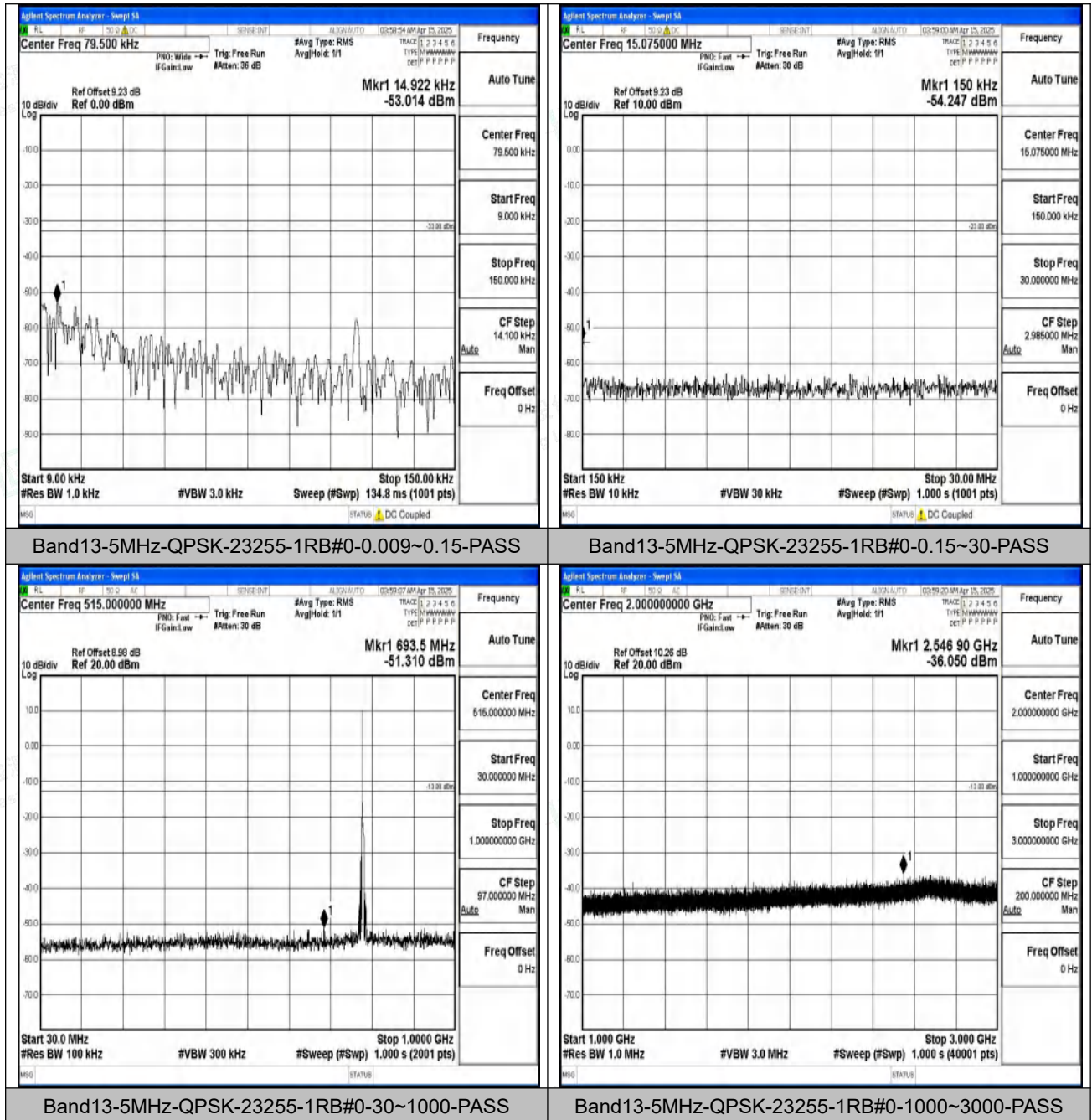
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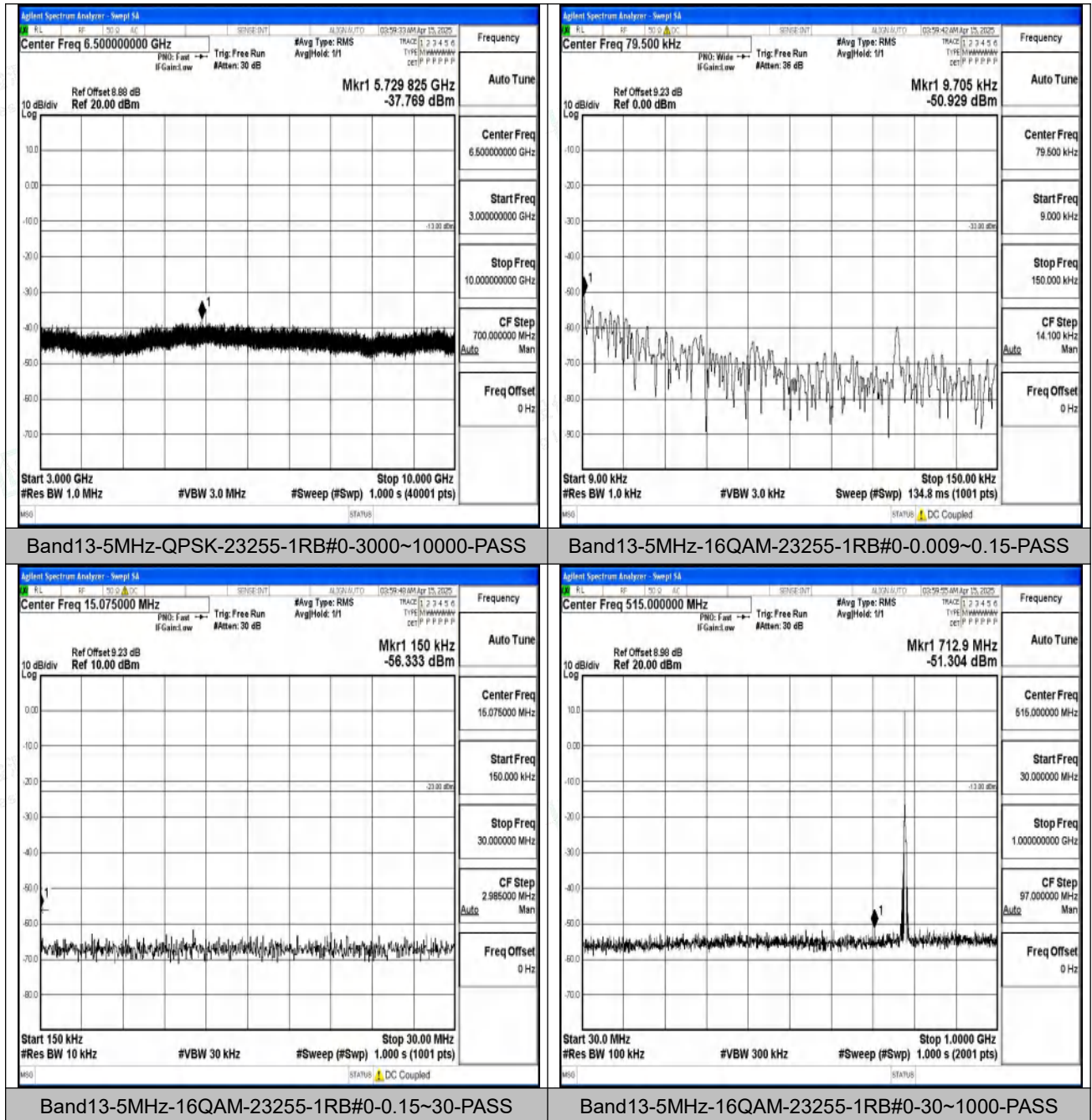
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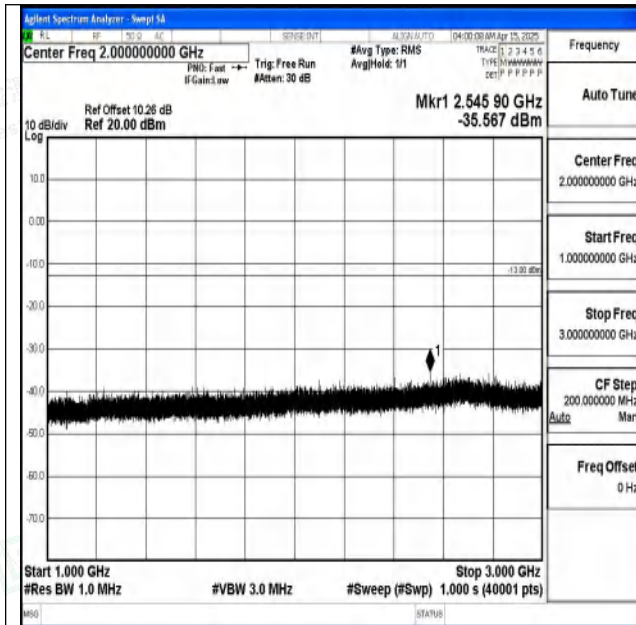




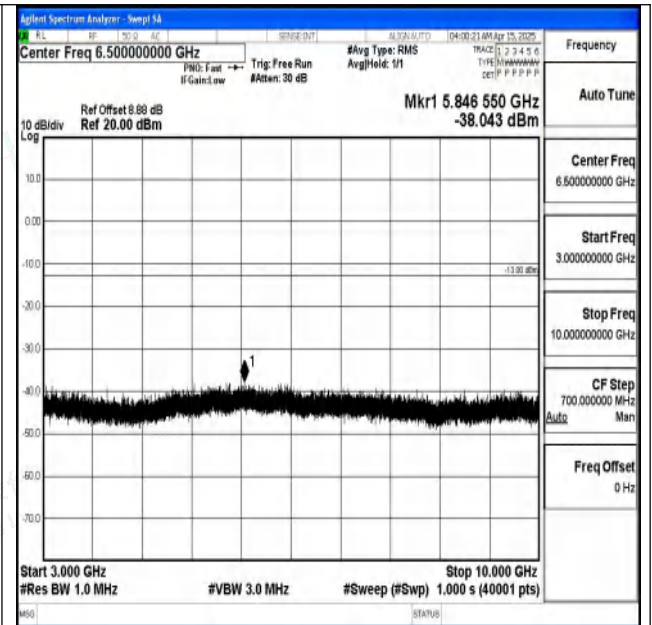
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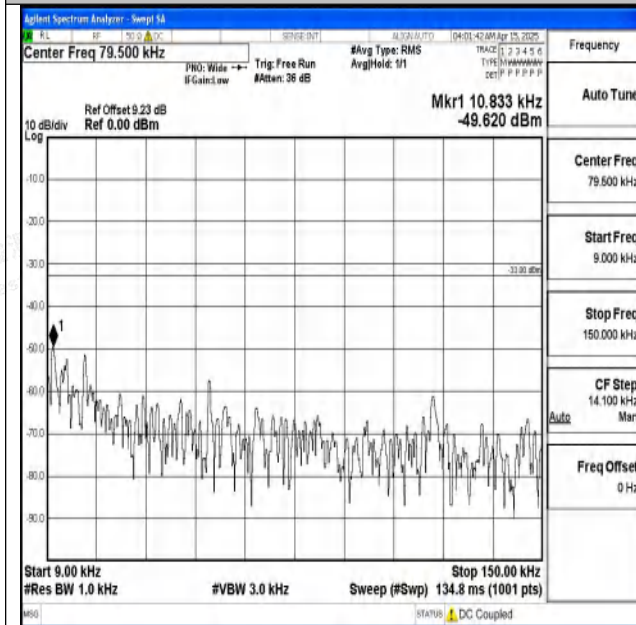
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



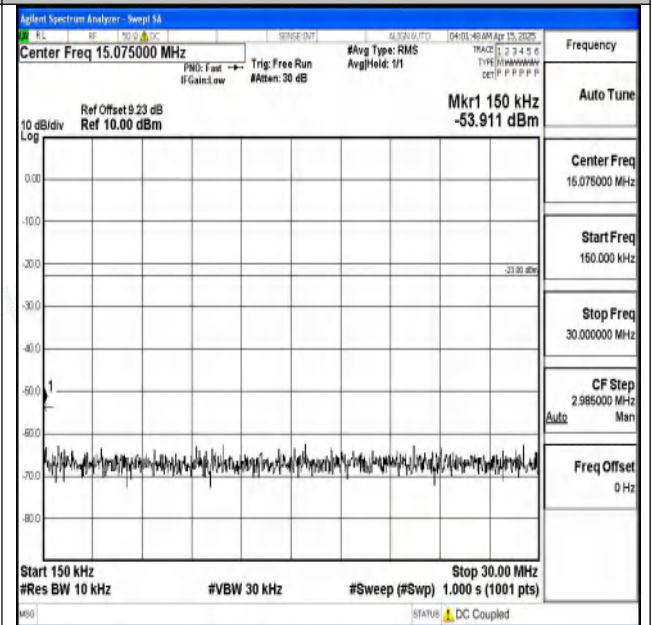
Band13-5MHz-16QAM-23255-1RB#0-1000~3000-PASS



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

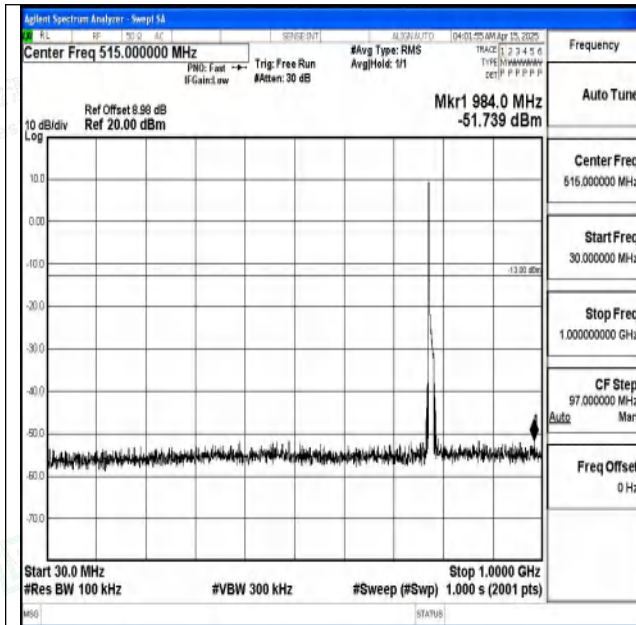


Band13-10MHz-QPSK-23230-1RB#0-0.009~0.15-PASS

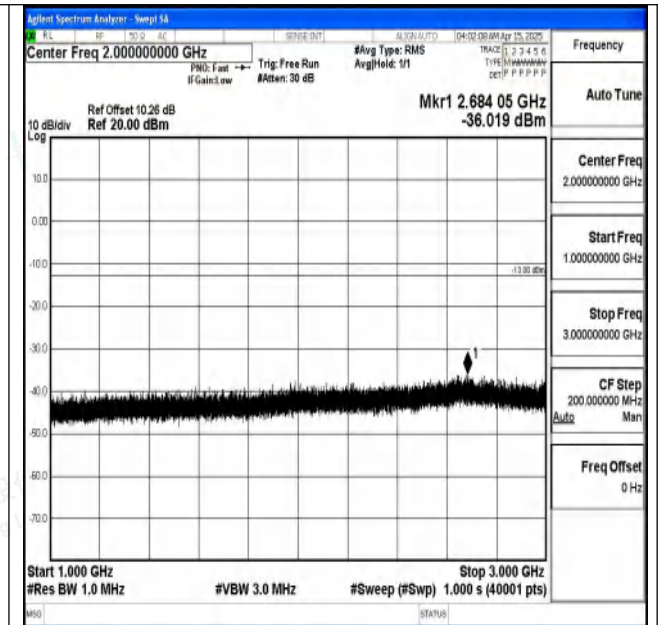


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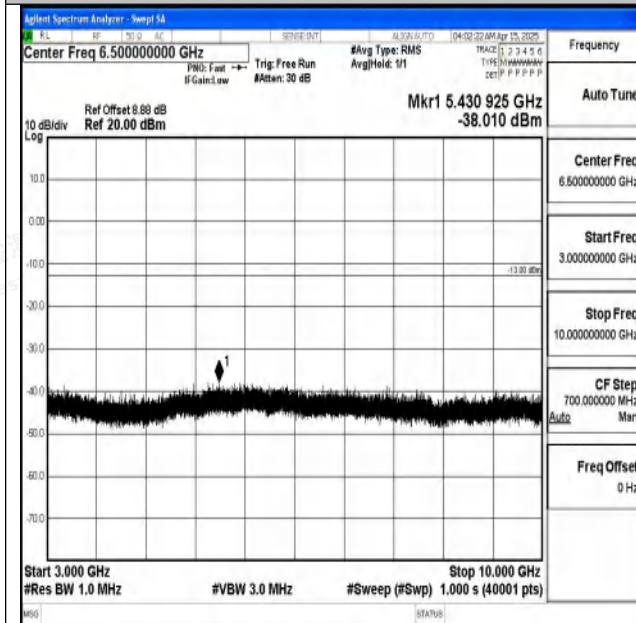




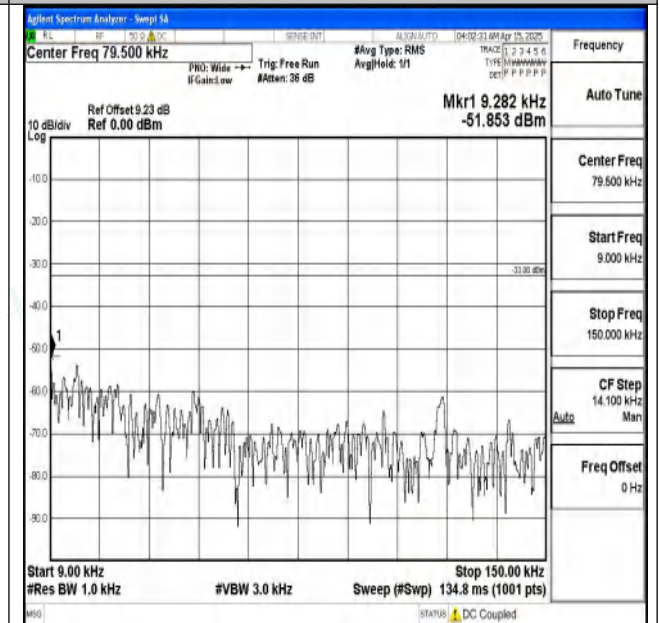
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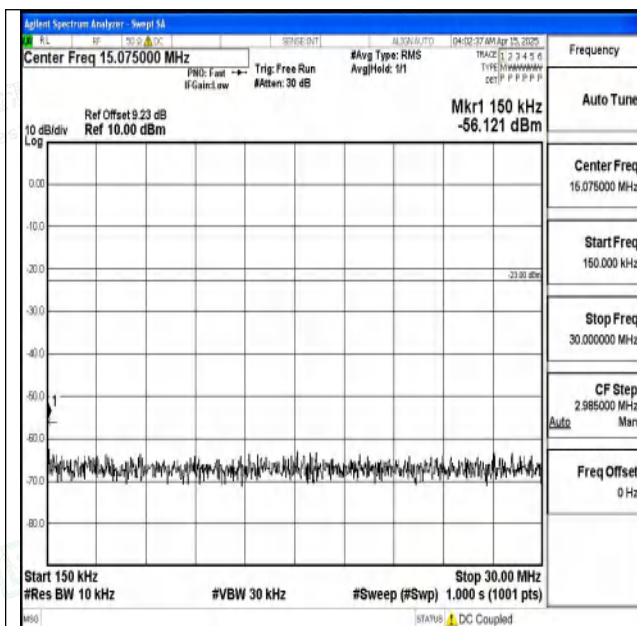


Band13-10MHz-QPSK-23230-1RB#0-3000~10000-PASS

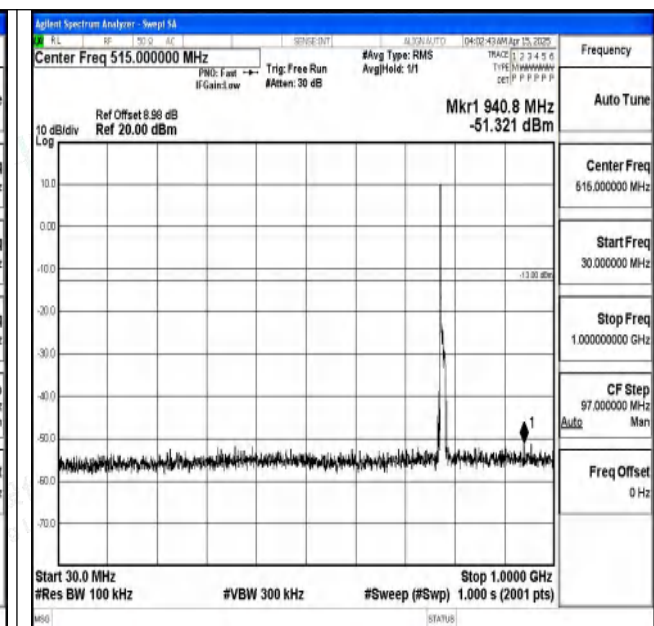


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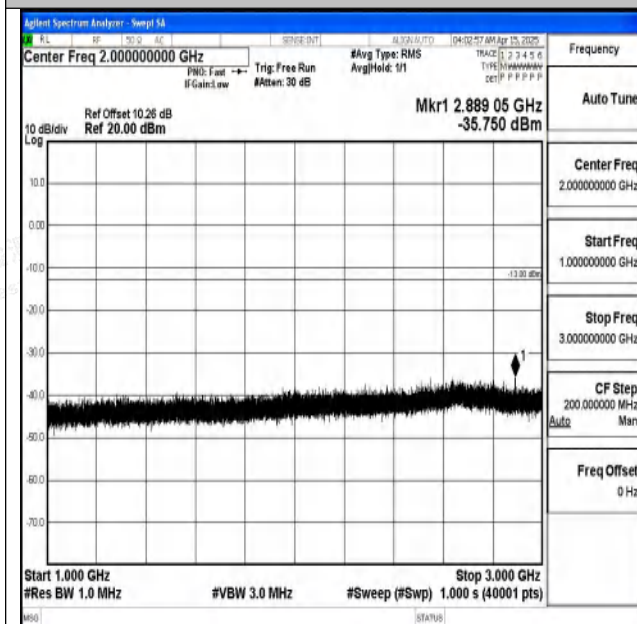




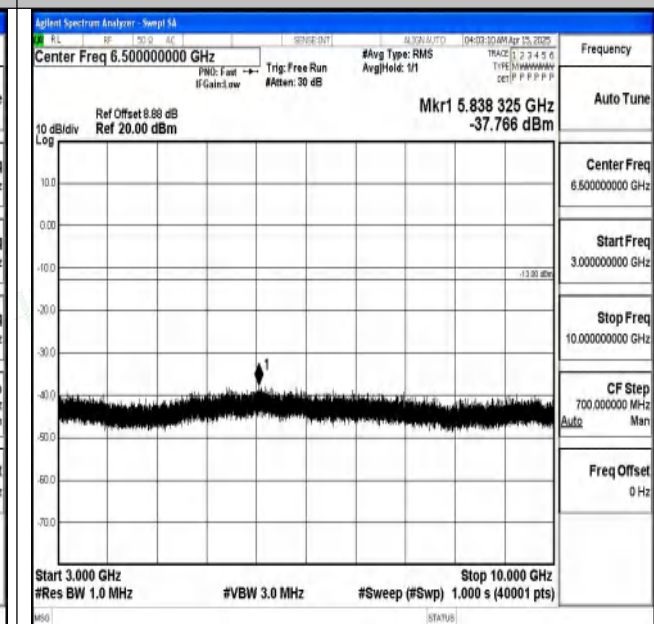
Band13-10MHz-16QAM-23230-1RB#0-0.15~30-PASS



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-PAS

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