

Appendix RF Test Data for LTE Band 14

Company: : Zhangzhou 3rtablet Technology Co.,Ltd

EUT : In-Vehicle Display Terminal

Model Number : ST-7

FCC ID : 2A756-ST7

Report No. : CTA25090802807

Reviewed By : Eric Wang

1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	23.50	PASS
Band14	5MHz	16QAM	23305	1RB#0	23.45	PASS
Band14	5MHz	QPSK	23305	1RB#12	23.74	PASS
Band14	5MHz	16QAM	23305	1RB#12	23.38	PASS
Band14	5MHz	QPSK	23305	1RB#24	23.40	PASS
Band14	5MHz	16QAM	23305	1RB#24	23.35	PASS
Band14	5MHz	QPSK	23305	12RB#0	23.38	PASS
Band14	5MHz	16QAM	23305	12RB#0	22.59	PASS
Band14	5MHz	QPSK	23305	12RB#6	23.48	PASS
Band14	5MHz	16QAM	23305	12RB#6	22.50	PASS
Band14	5MHz	QPSK	23305	12RB#13	23.40	PASS
Band14	5MHz	16QAM	23305	12RB#13	22.43	PASS
Band14	5MHz	QPSK	23305	25RB#0	23.30	PASS
Band14	5MHz	16QAM	23305	25RB#0	22.42	PASS
Band14	5MHz	QPSK	23330	1RB#0	23.87	PASS
Band14	5MHz	16QAM	23330	1RB#0	23.40	PASS
Band14	5MHz	QPSK	23330	1RB#12	23.41	PASS
Band14	5MHz	16QAM	23330	1RB#12	23.15	PASS
Band14	5MHz	QPSK	23330	1RB#24	23.30	PASS
Band14	5MHz	16QAM	23330	1RB#24	23.25	PASS
Band14	5MHz	QPSK	23330	12RB#0	23.44	PASS
Band14	5MHz	16QAM	23330	12RB#0	22.57	PASS
Band14	5MHz	QPSK	23330	12RB#6	23.36	PASS
Band14	5MHz	16QAM	23330	12RB#6	22.48	PASS
Band14	5MHz	QPSK	23330	12RB#13	23.28	PASS
Band14	5MHz	16QAM	23330	12RB#13	22.30	PASS
Band14	5MHz	QPSK	23330	25RB#0	23.30	PASS
Band14	5MHz	16QAM	23330	25RB#0	22.43	PASS
Band14	5MHz	QPSK	23355	1RB#0	23.57	PASS
Band14	5MHz	16QAM	23355	1RB#0	23.44	PASS
Band14	5MHz	QPSK	23355	1RB#12	23.61	PASS
Band14	5MHz	16QAM	23355	1RB#12	23.45	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.57	PASS
Band14	5MHz	16QAM	23355	1RB#24	23.40	PASS
Band14	5MHz	QPSK	23355	12RB#0	23.28	PASS
Band14	5MHz	16QAM	23355	12RB#0	22.45	PASS
Band14	5MHz	QPSK	23355	12RB#6	23.37	PASS

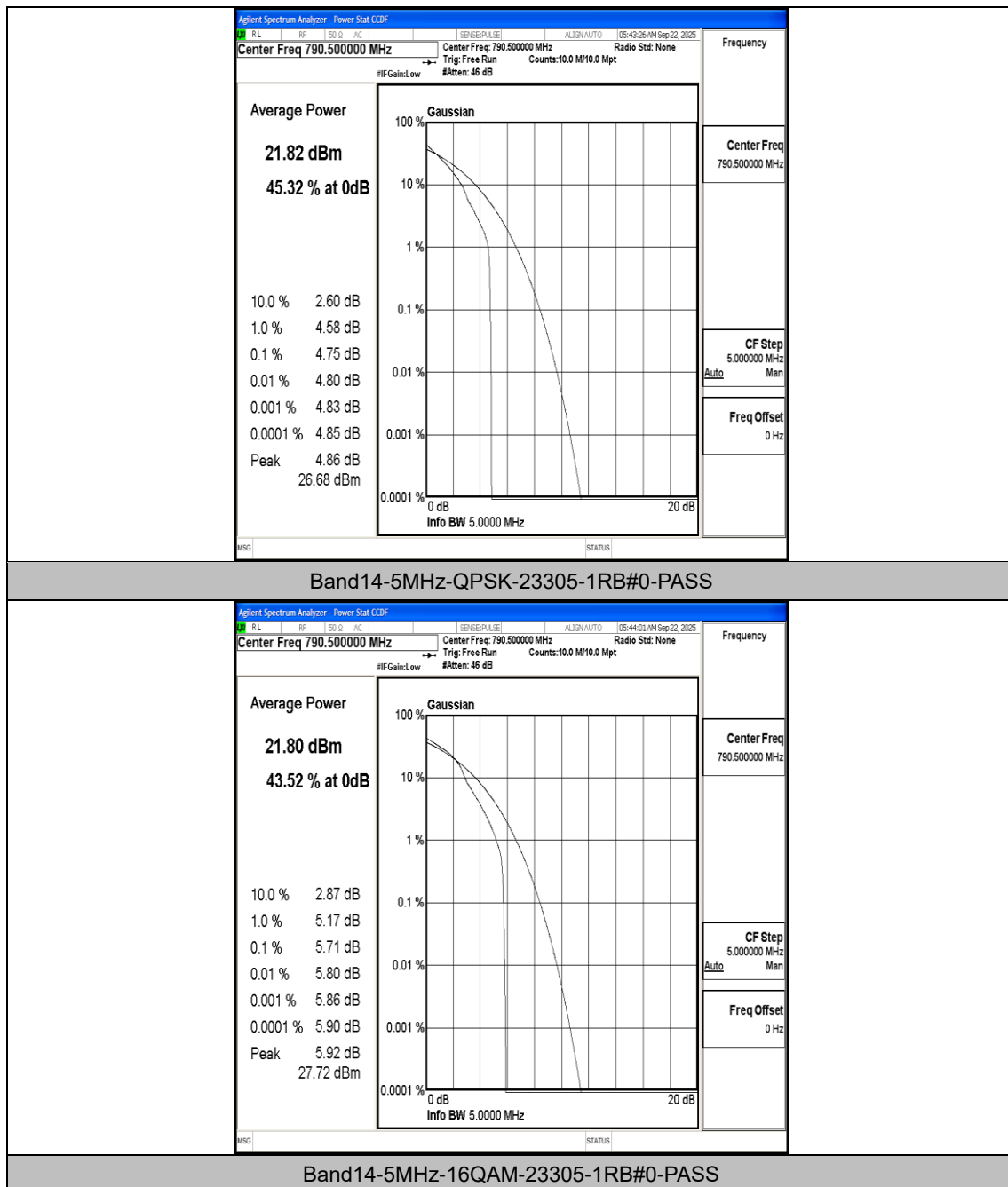
Band14	5MHz	16QAM	23355	12RB#6	22.55	PASS
Band14	5MHz	QPSK	23355	12RB#13	23.44	PASS
Band14	5MHz	16QAM	23355	12RB#13	22.62	PASS
Band14	5MHz	QPSK	23355	25RB#0	23.29	PASS
Band14	5MHz	16QAM	23355	25RB#0	22.37	PASS
Band14	10MHz	QPSK	23330	1RB#0	23.31	PASS
Band14	10MHz	16QAM	23330	1RB#0	23.26	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.36	PASS
Band14	10MHz	16QAM	23330	1RB#24	23.44	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.27	PASS
Band14	10MHz	16QAM	23330	1RB#49	23.33	PASS
Band14	10MHz	QPSK	23330	25RB#0	23.44	PASS
Band14	10MHz	16QAM	23330	25RB#0	22.44	PASS
Band14	10MHz	QPSK	23330	25RB#12	23.35	PASS
Band14	10MHz	16QAM	23330	25RB#12	22.27	PASS
Band14	10MHz	QPSK	23330	25RB#25	23.30	PASS
Band14	10MHz	16QAM	23330	25RB#25	22.39	PASS
Band14	10MHz	QPSK	23330	50RB#0	23.33	PASS
Band14	10MHz	16QAM	23330	50RB#0	22.52	PASS

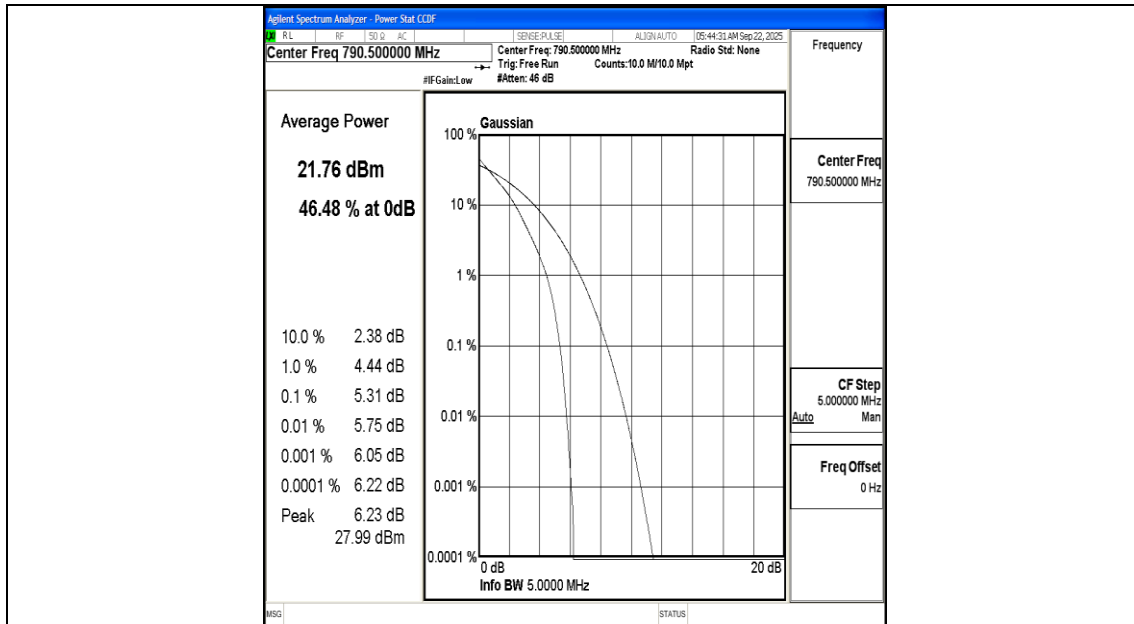
2 Peak-to-Average Ratio(CCDF)

Test Result

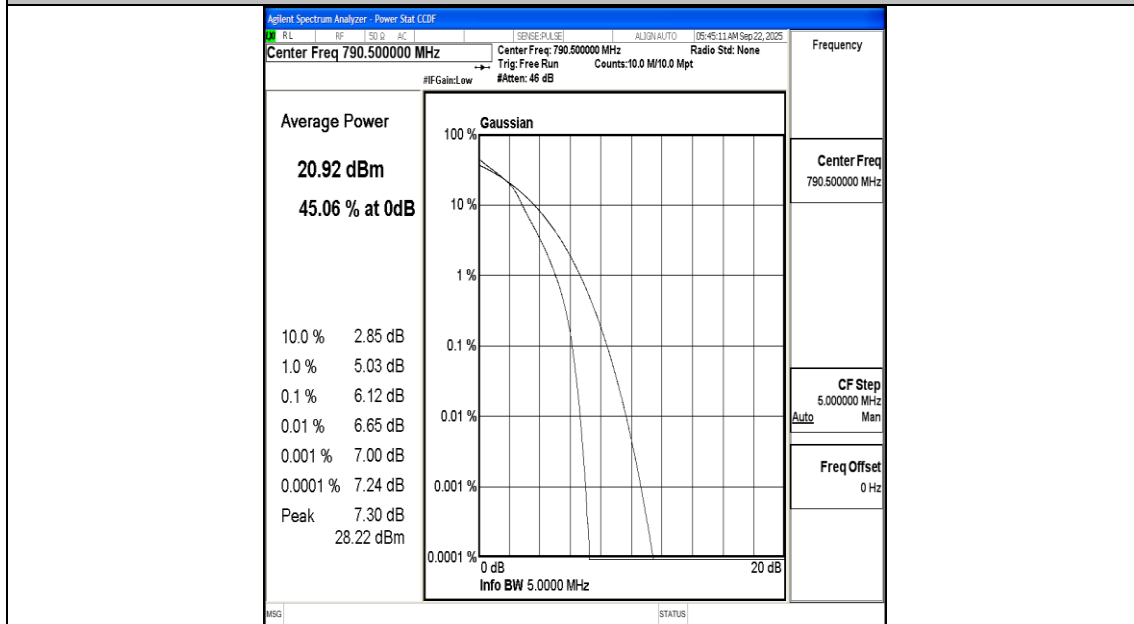
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	4.75	13	PASS
Band14	5MHz	16QAM	23305	1RB#0	5.71	13	PASS
Band14	5MHz	QPSK	23305	25RB#0	5.31	13	PASS
Band14	5MHz	16QAM	23305	25RB#0	6.12	13	PASS
Band14	5MHz	QPSK	23330	1RB#0	4.80	13	PASS
Band14	5MHz	16QAM	23330	1RB#0	5.67	13	PASS
Band14	5MHz	QPSK	23330	25RB#0	5.35	13	PASS
Band14	5MHz	16QAM	23330	25RB#0	6.11	13	PASS
Band14	5MHz	QPSK	23355	1RB#0	4.77	13	PASS
Band14	5MHz	16QAM	23355	1RB#0	5.68	13	PASS
Band14	5MHz	QPSK	23355	25RB#0	5.33	13	PASS
Band14	5MHz	16QAM	23355	25RB#0	6.14	13	PASS
Band14	10MHz	QPSK	23330	1RB#0	4.80	13	PASS
Band14	10MHz	16QAM	23330	1RB#0	5.64	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	5.28	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	6.08	13	PASS

Test Graphs

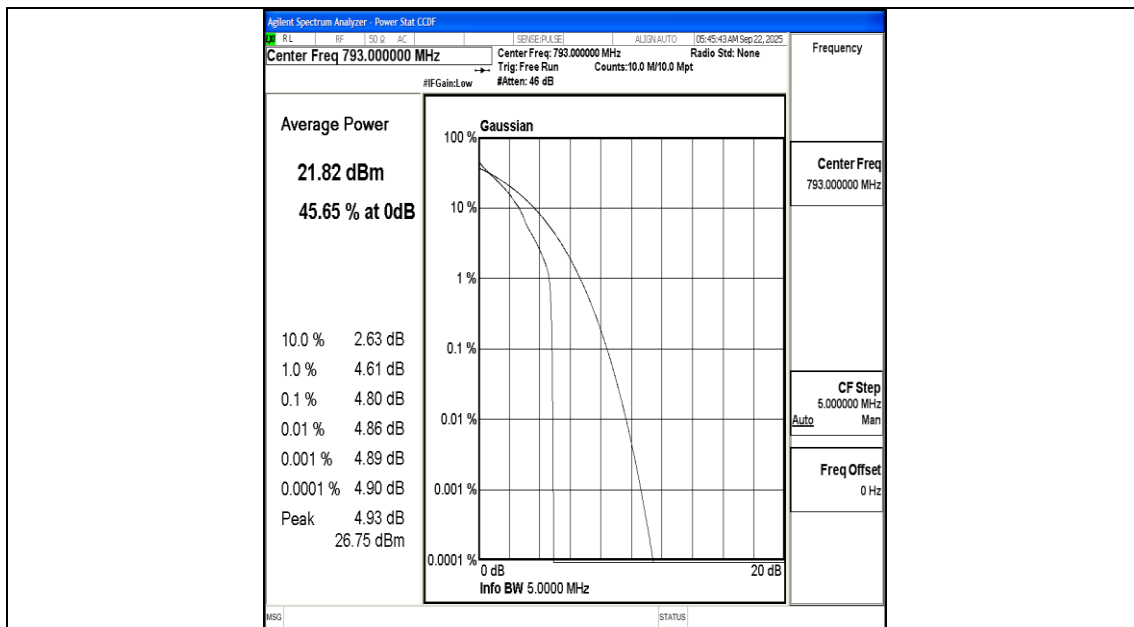




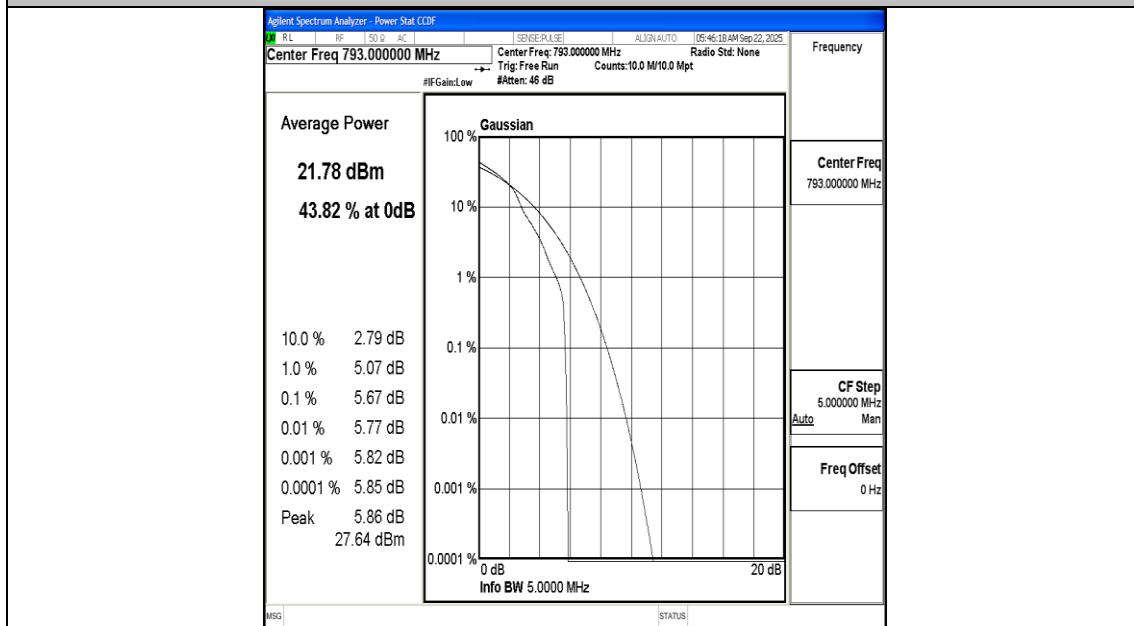
Band14-5MHz-QPSK-23305-25RB#0-PASS



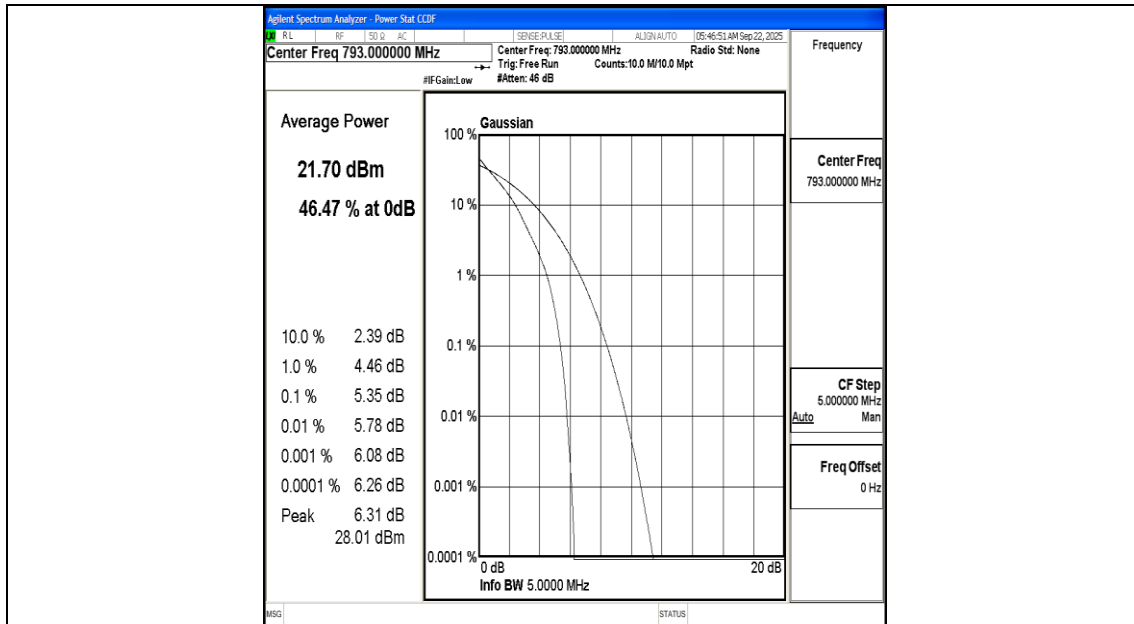
Band14-5MHz-16QAM-23305-25RB#0-PASS



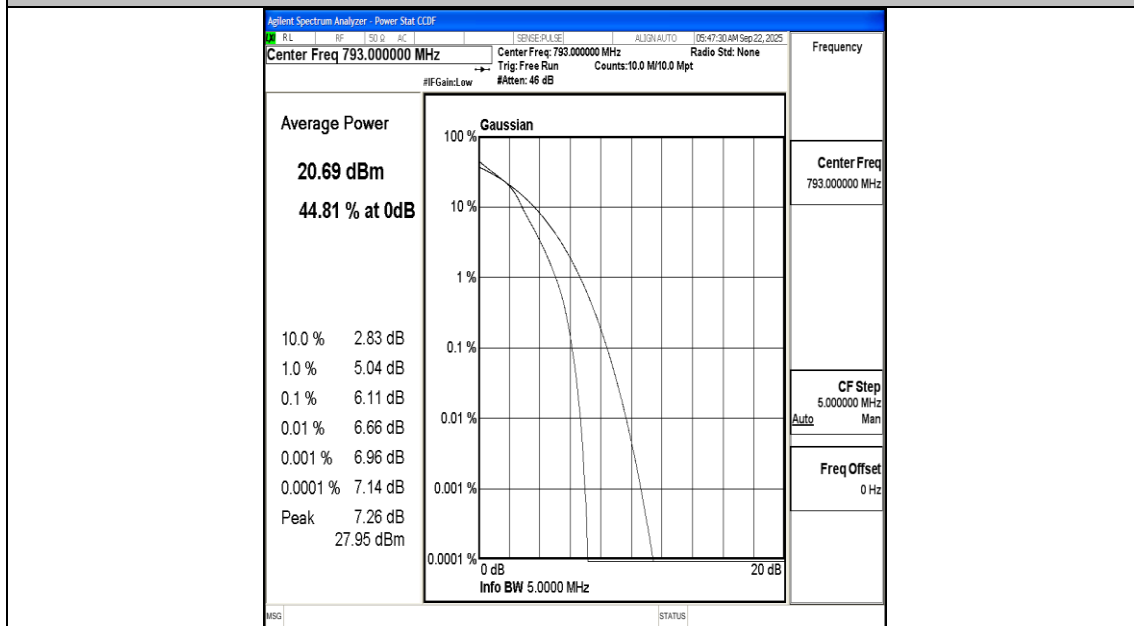
Band14-5MHz-QPSK-23330-1RB#0-PASS



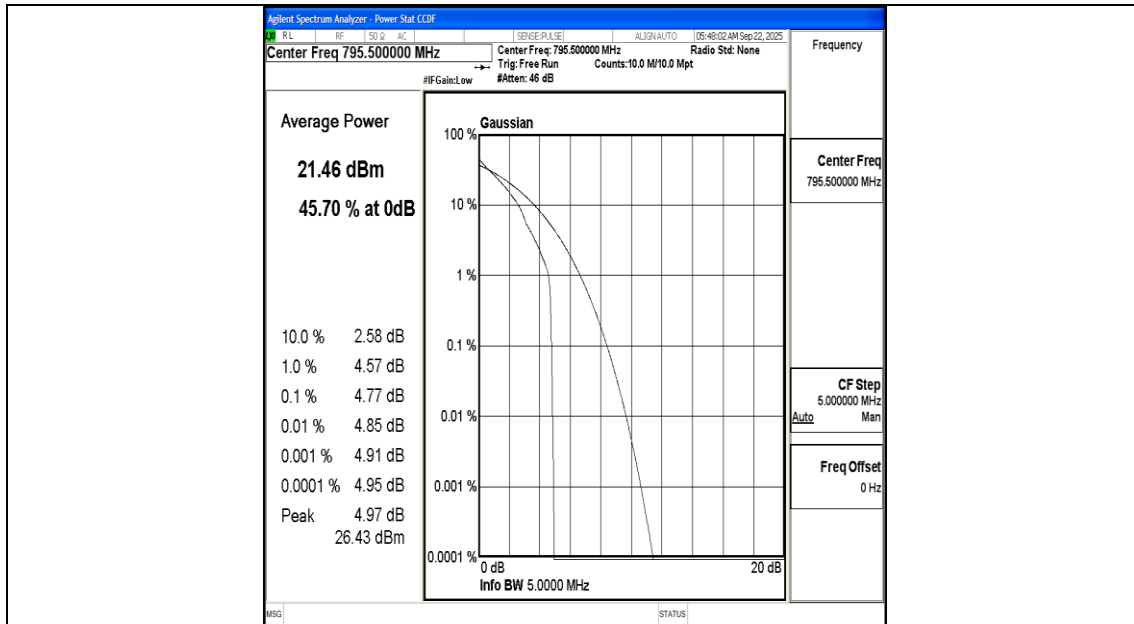
Band14-5MHz-16QAM-23330-1RB#0-PASS



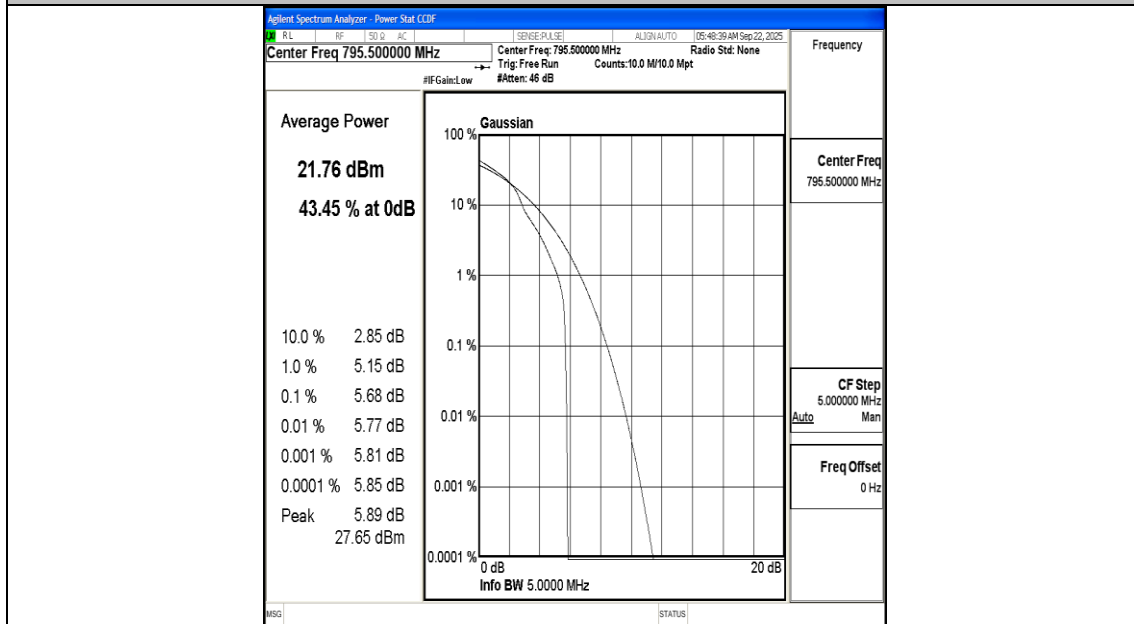
Band14-5MHz-QPSK-23330-25RB#0-PASS



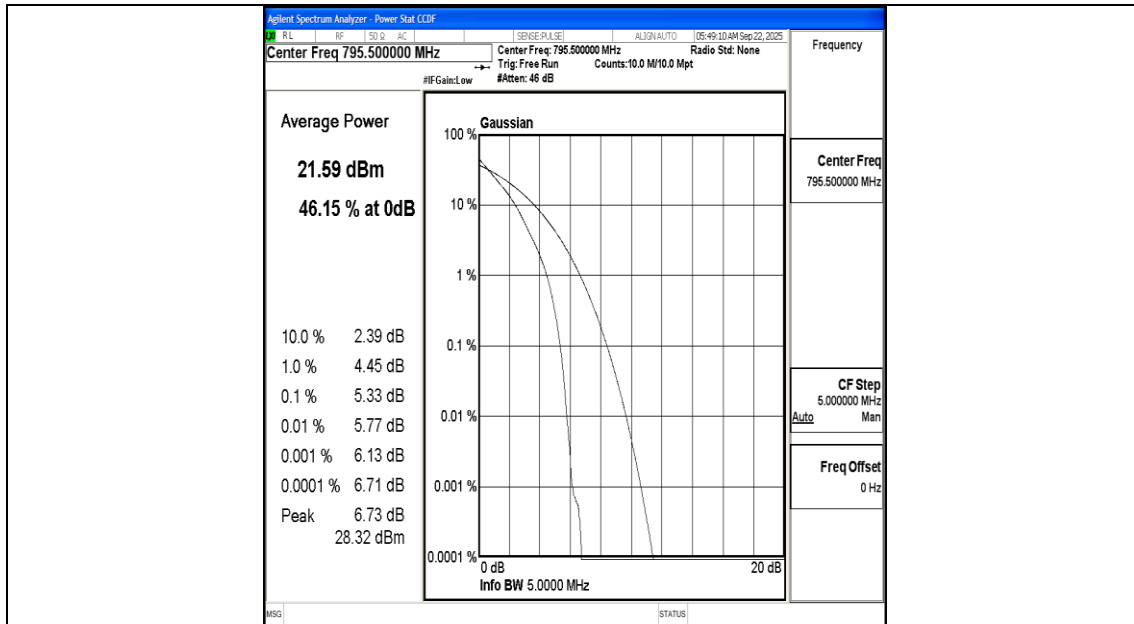
Band14-5MHz-16QAM-23330-25RB#0-PASS



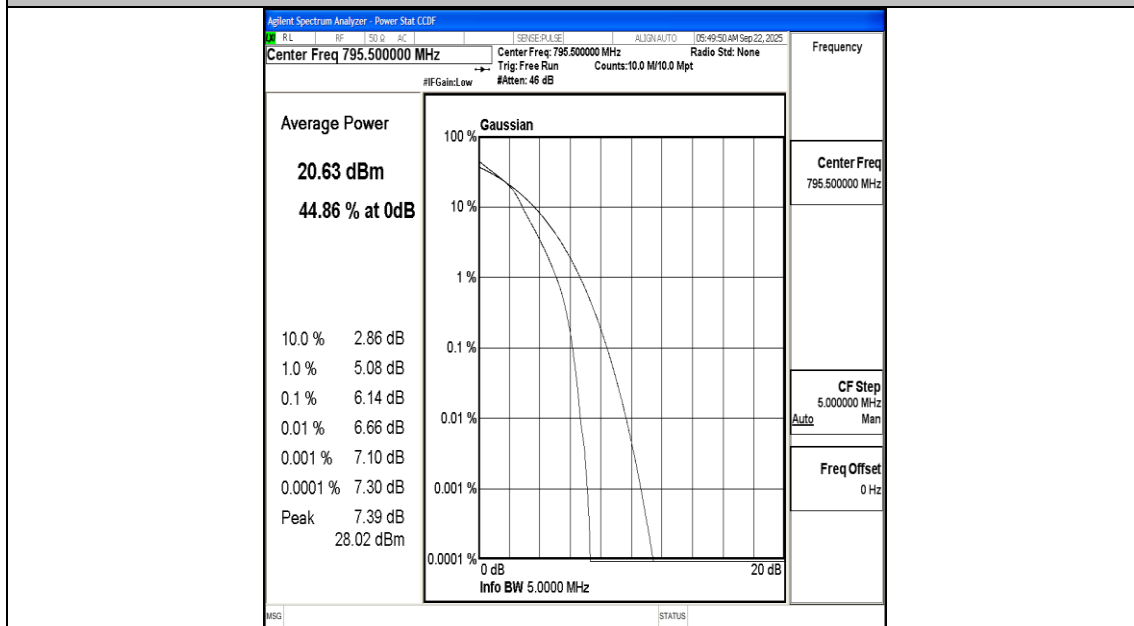
Band14-5MHz-QPSK-23355-1RB#0-PASS



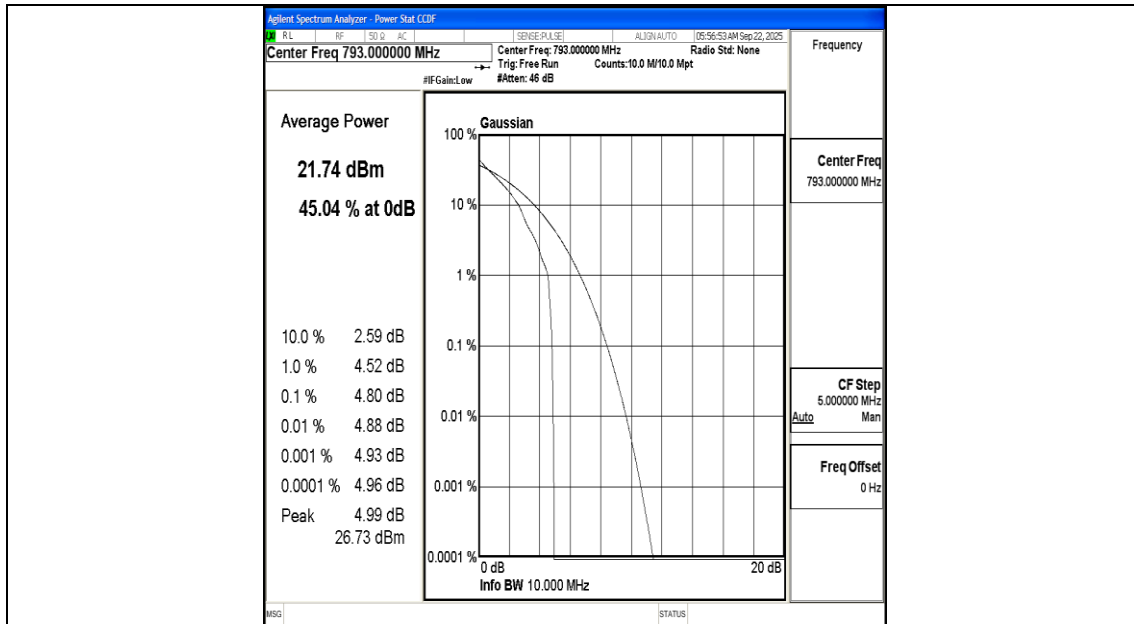
Band14-5MHz-16QAM-23355-1RB#0-PASS



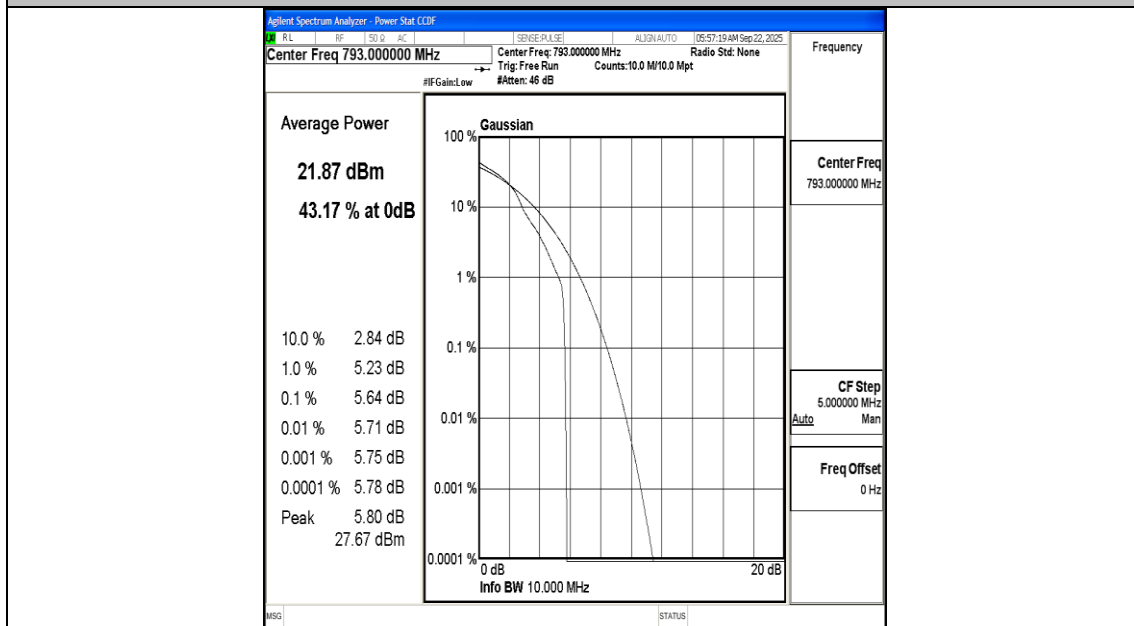
Band14-5MHz-QPSK-23355-25RB#0-PASS



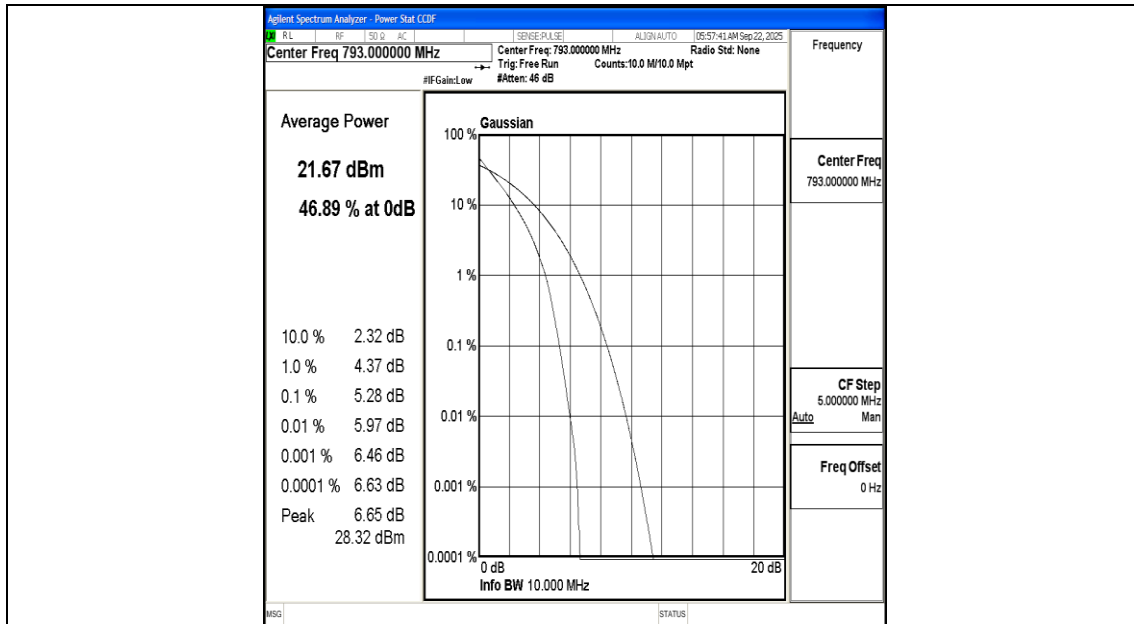
Band14-5MHz-16QAM-23355-25RB#0-PASS



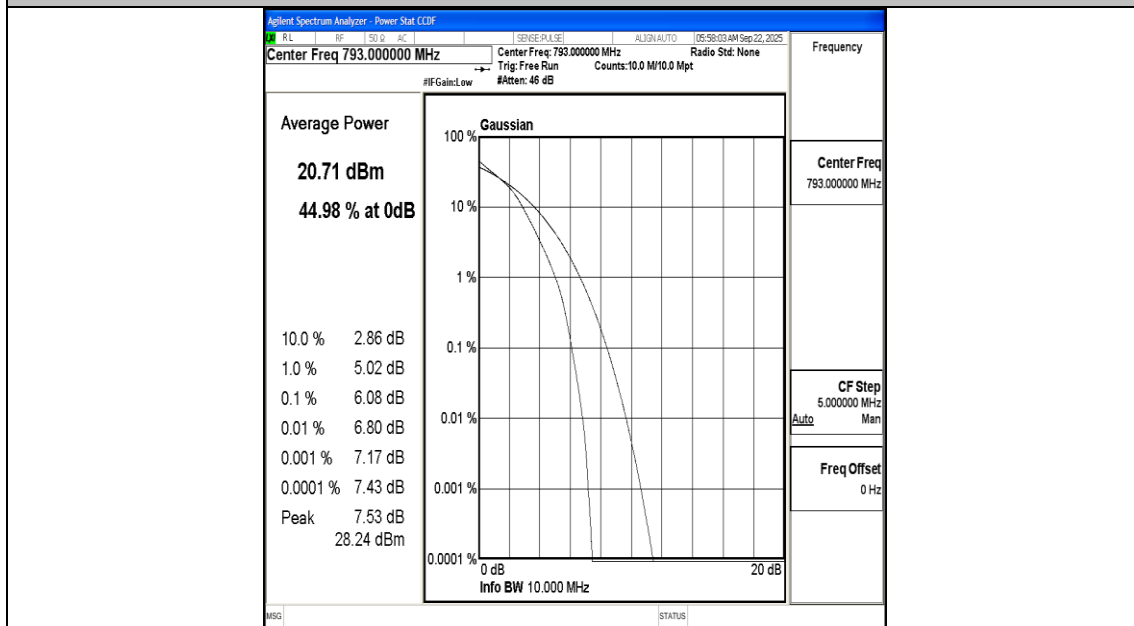
Band14-10MHz-QPSK-23330-1RB#0-PASS



Band14-10MHz-16QAM-23330-1RB#0-PASS



Band14-10MHz-QPSK-23330-50RB#0-PASS



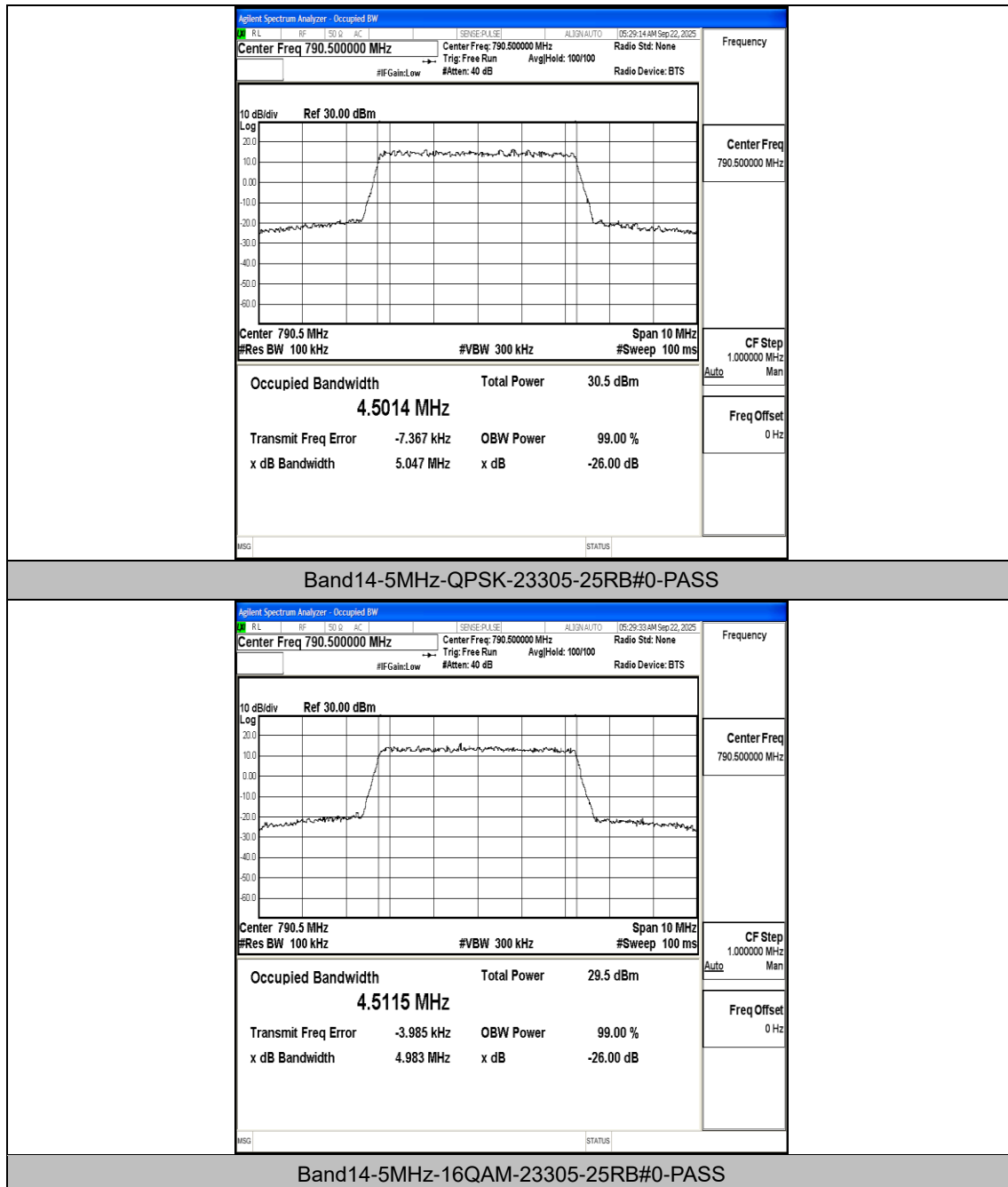
Band14-10MHz-16QAM-23330-50RB#0-PASS

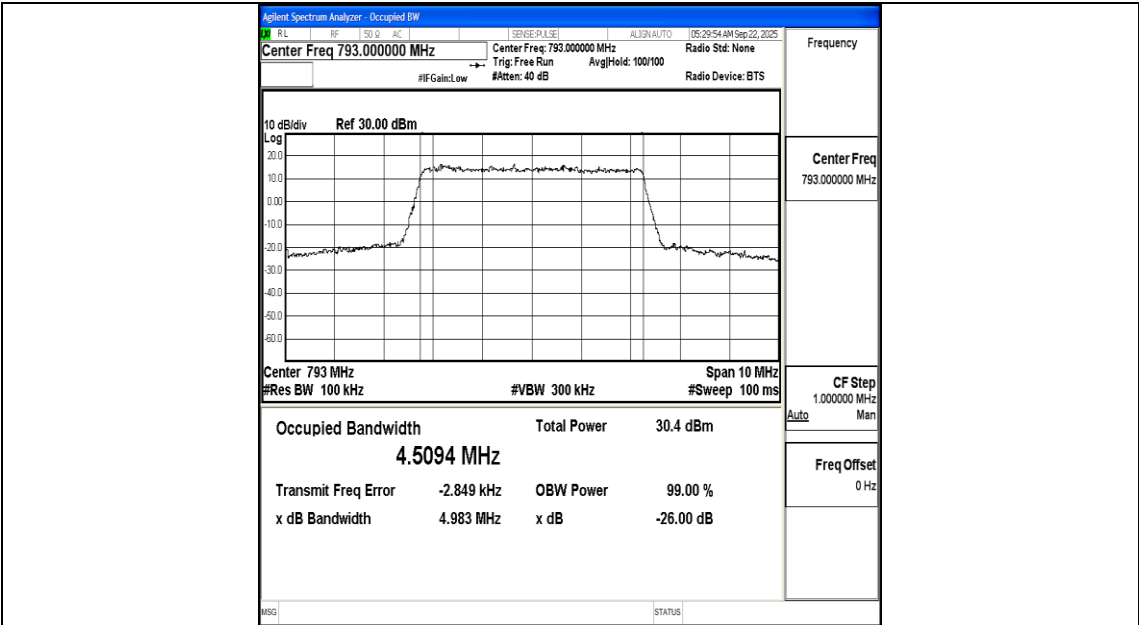
3 26dB Bandwidth and Occupied Bandwidth

Test Result

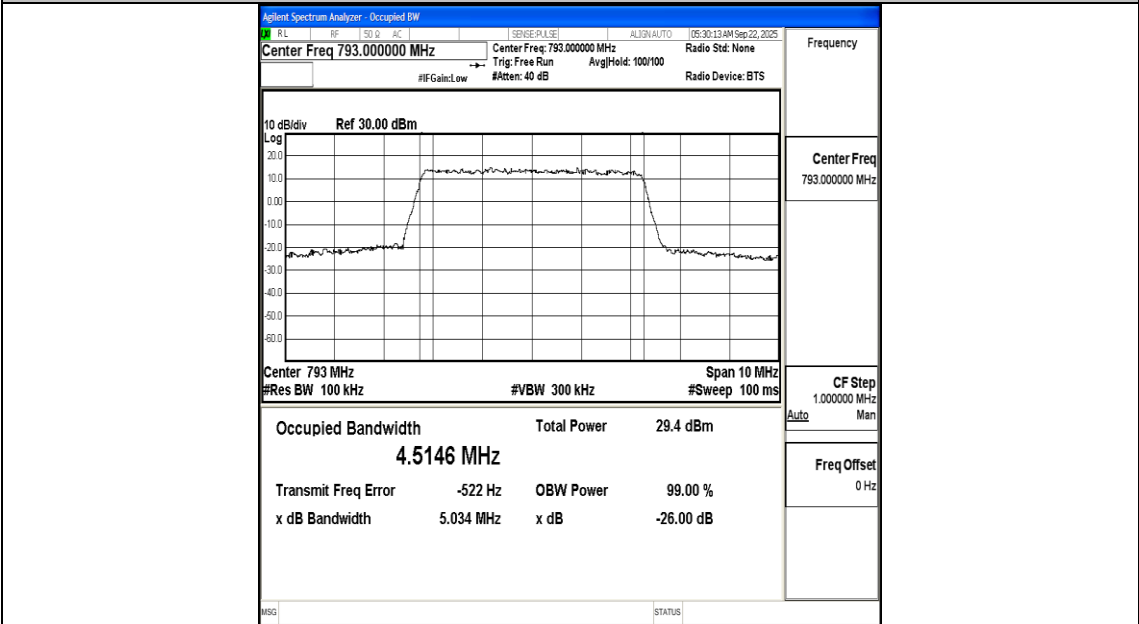
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.5014	5.047	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.5115	4.983	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.5094	4.983	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.5146	5.034	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.5098	5.013	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.5079	5.040	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9846	9.867	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.9651	9.812	PASS

Test Graphs

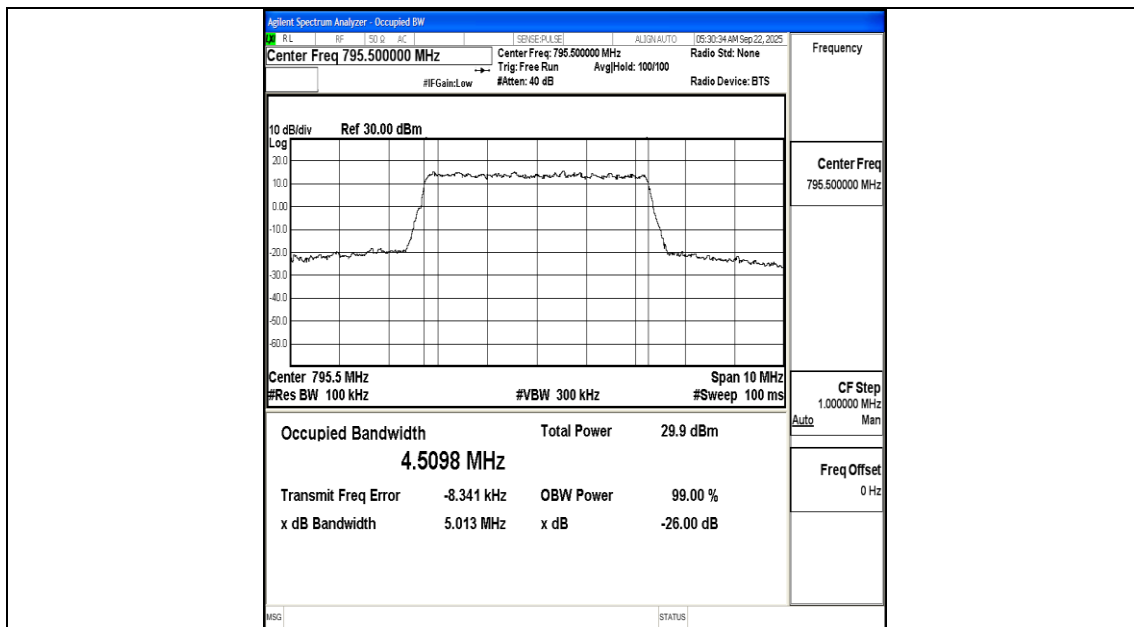




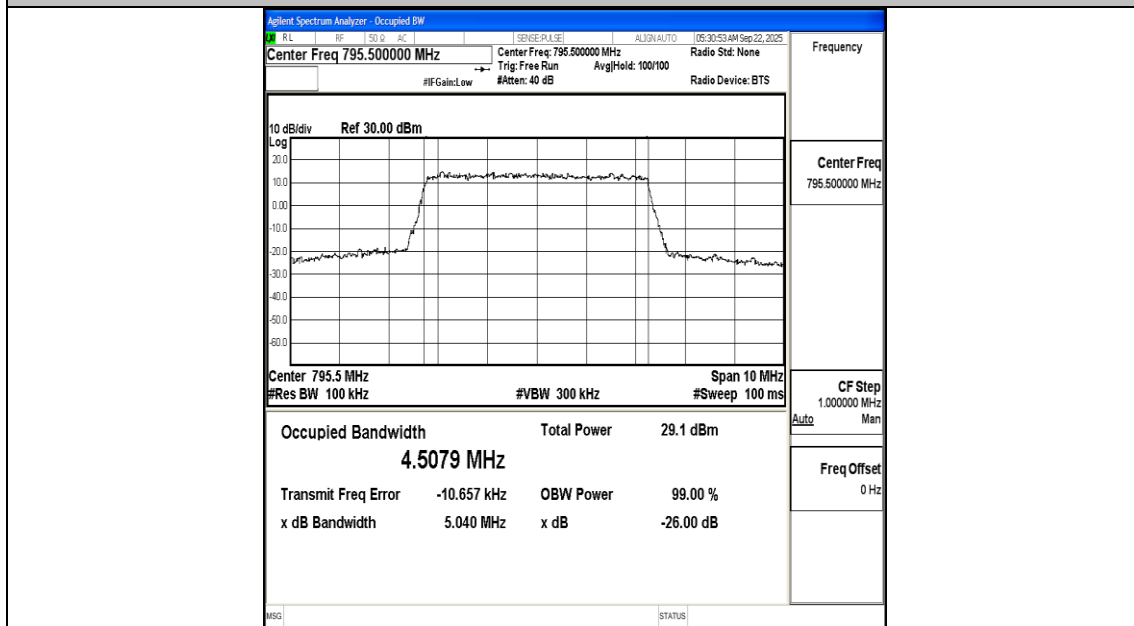
Band14-5MHz-QPSK-23330-25RB#0-PASS



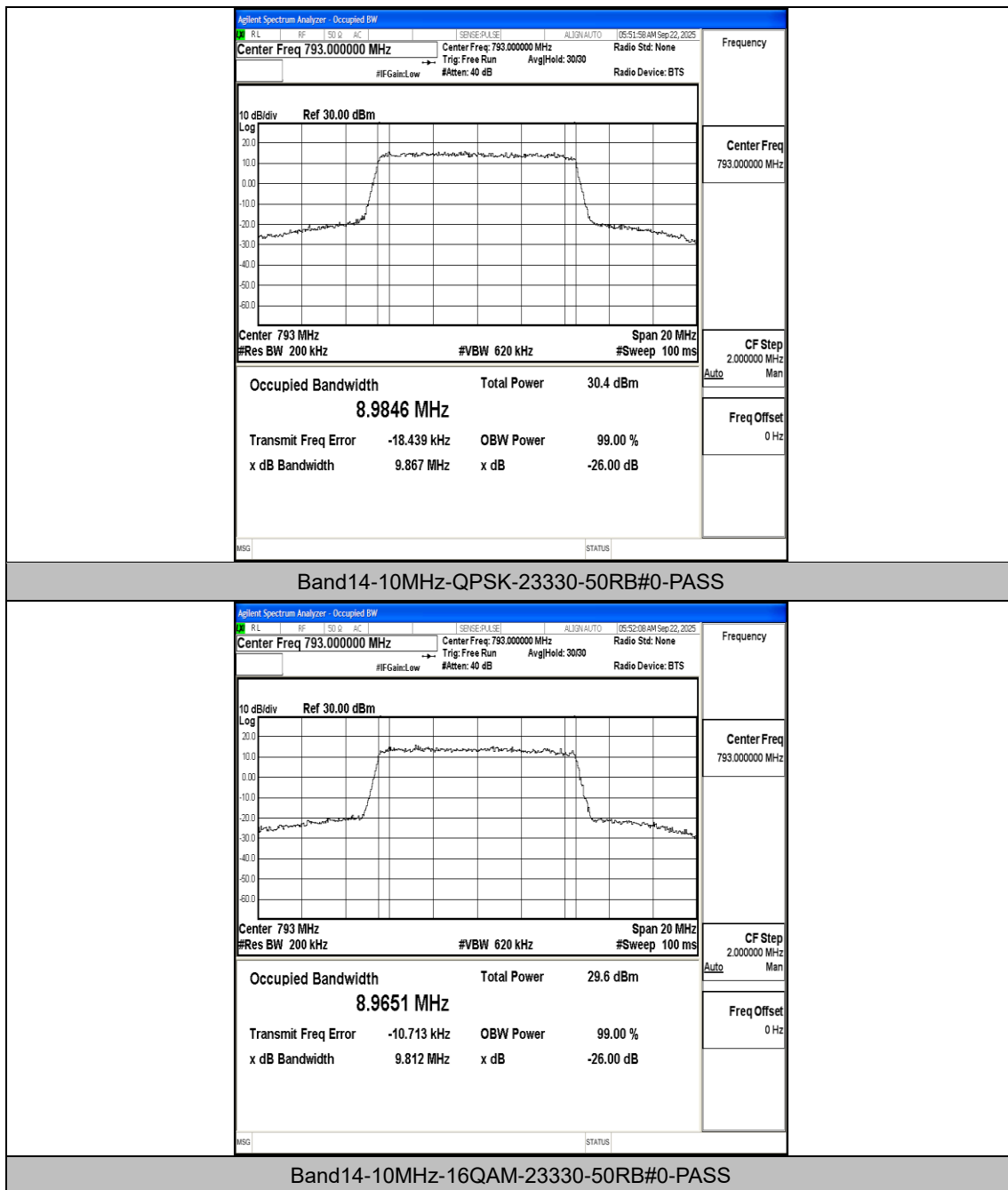
Band14-5MHz-16QAM-23330-25RB#0-PASS



Band14-5MHz-QPSK-23355-25RB#0-PASS



Band14-5MHz-16QAM-23355-25RB#0-PASS

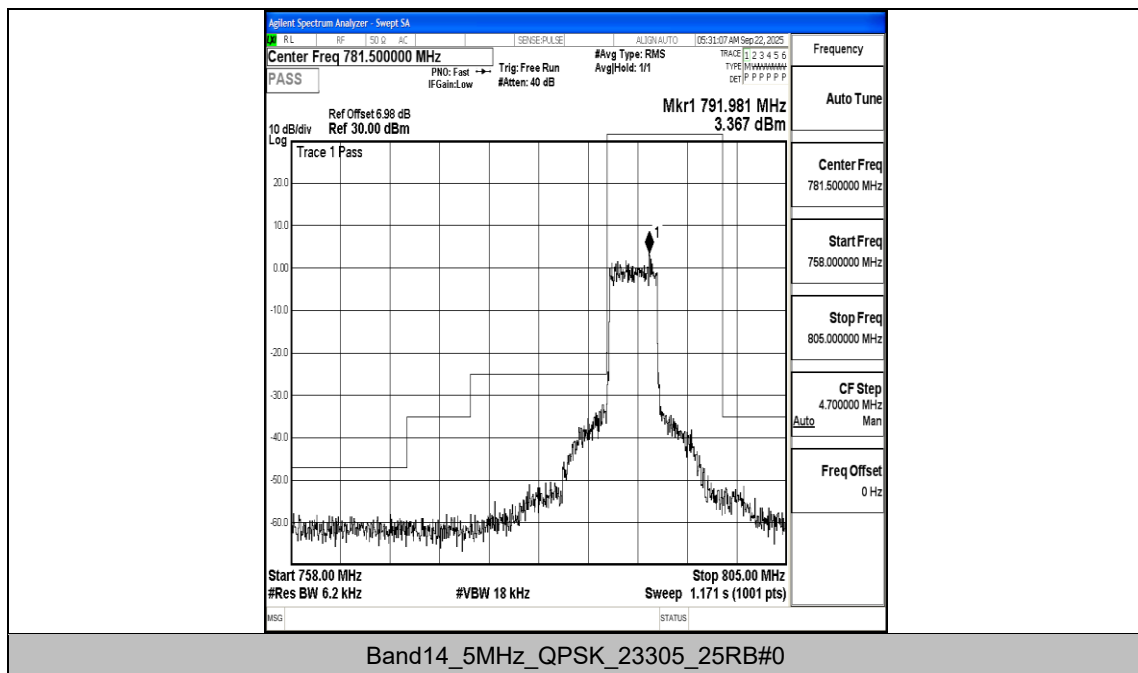


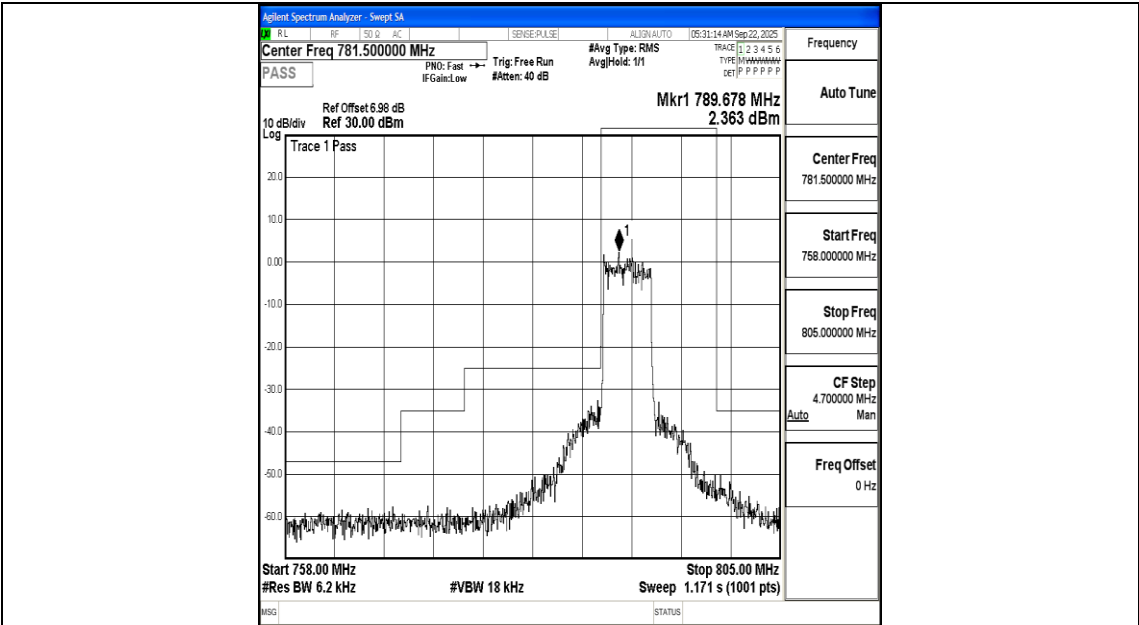
4 Band Edge

Test Result

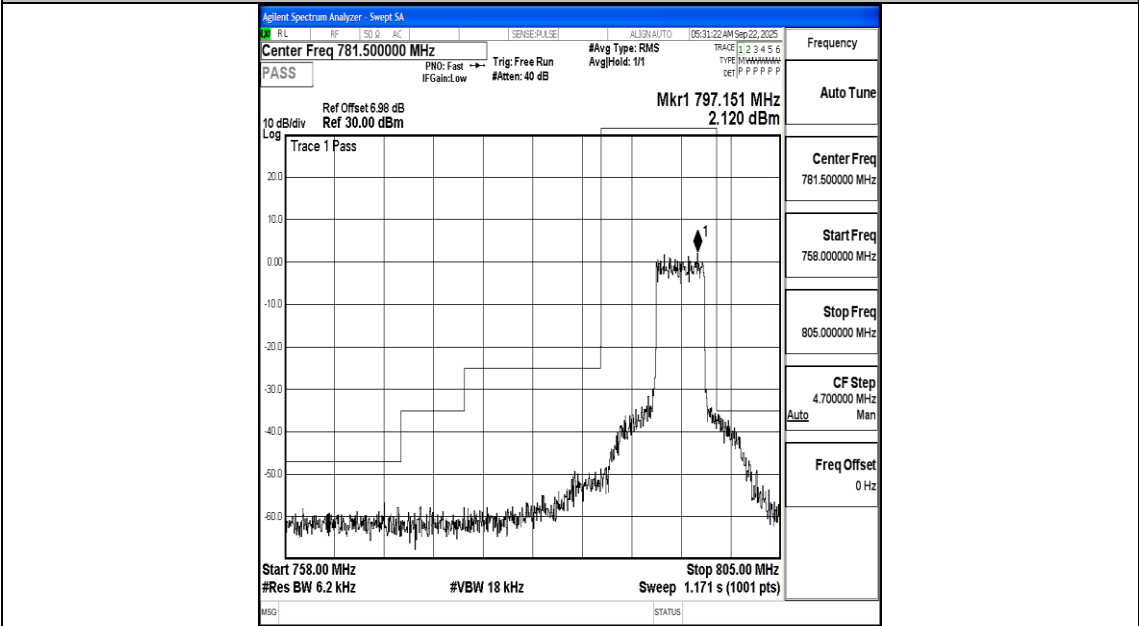
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	787.56	-32.21	PASS
Band14	5MHz	16QAM	23305	25RB#0	787.70	-32.64	PASS
Band14	5MHz	QPSK	23355	25RB#0	799.08	-35.86	PASS
Band14	5MHz	16QAM	23355	25RB#0	799.78	-36.57	PASS
Band14	10MHz	QPSK	23330	50RB#0	800.49	-36.84	PASS
Band14	10MHz	16QAM	23330	50RB#0	799.22	-36.60	PASS

Test Graphs

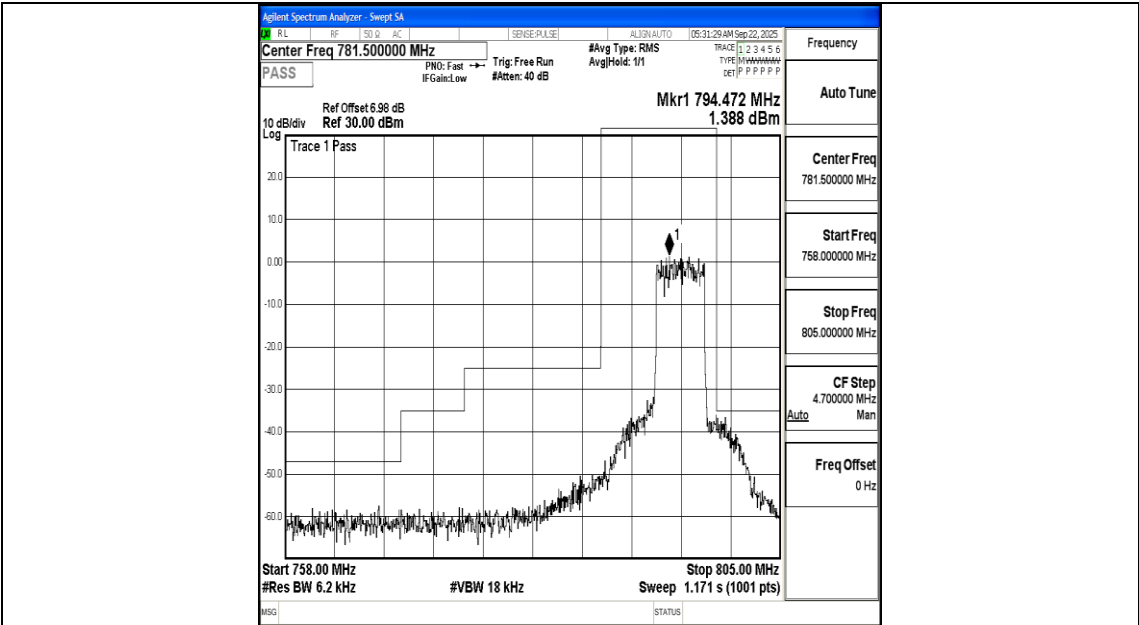




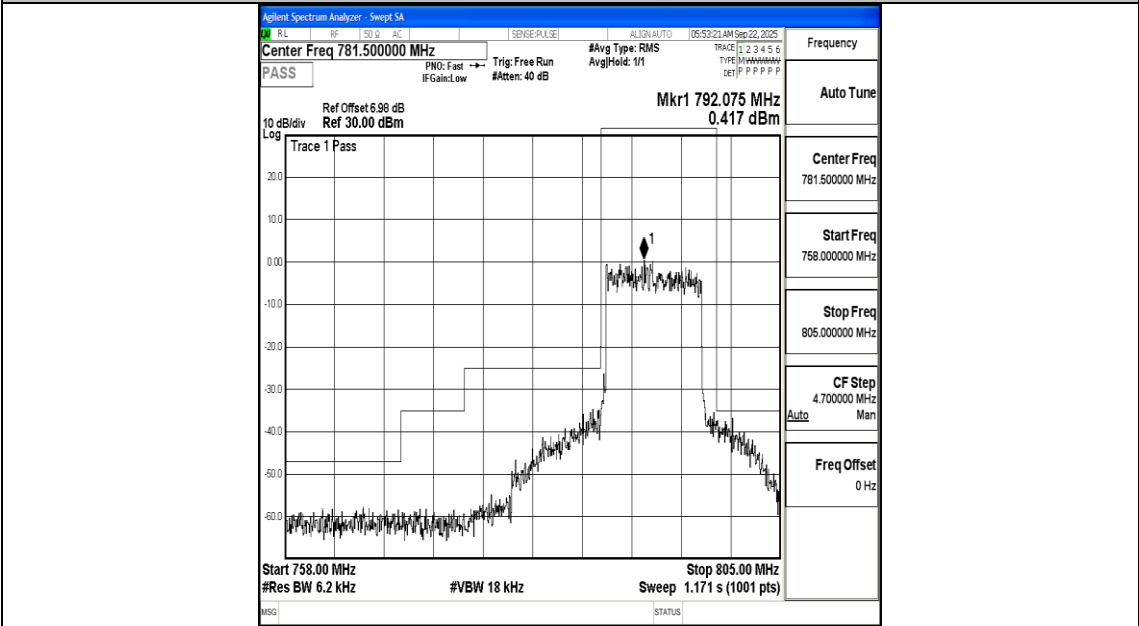
Band14_5MHz_16QAM_23305_25RB#0



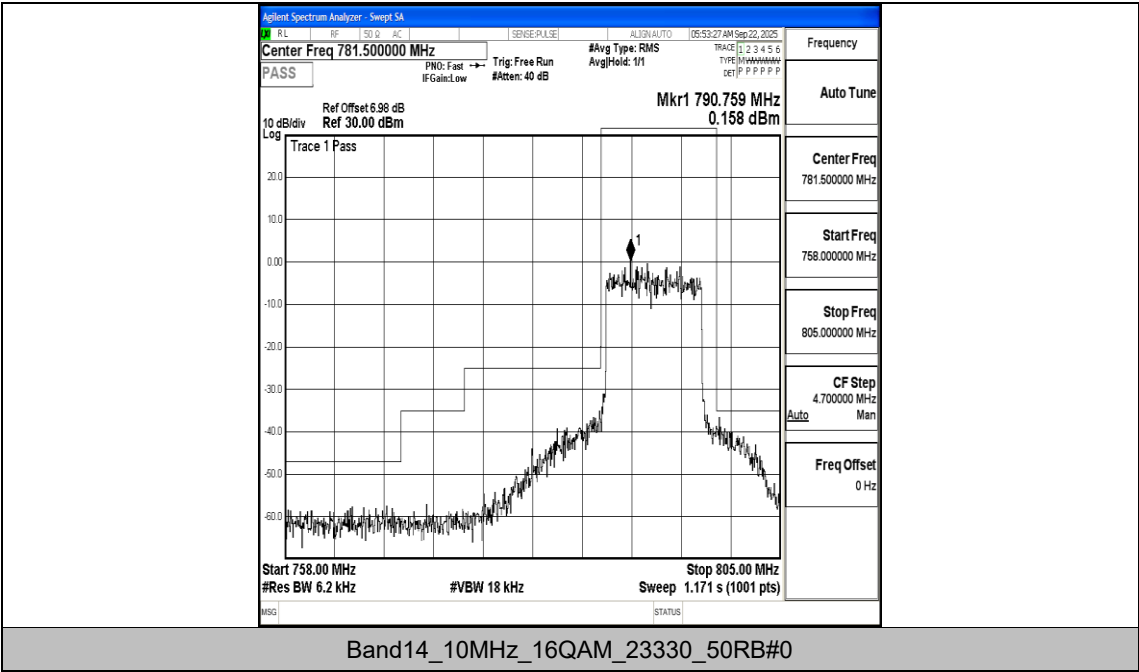
Band14_5MHz_QPSK_23355_25RB#0



Band14_5MHz_16QAM_23355_25RB#0



Band14_10MHz_QPSK_23330_50RB#0



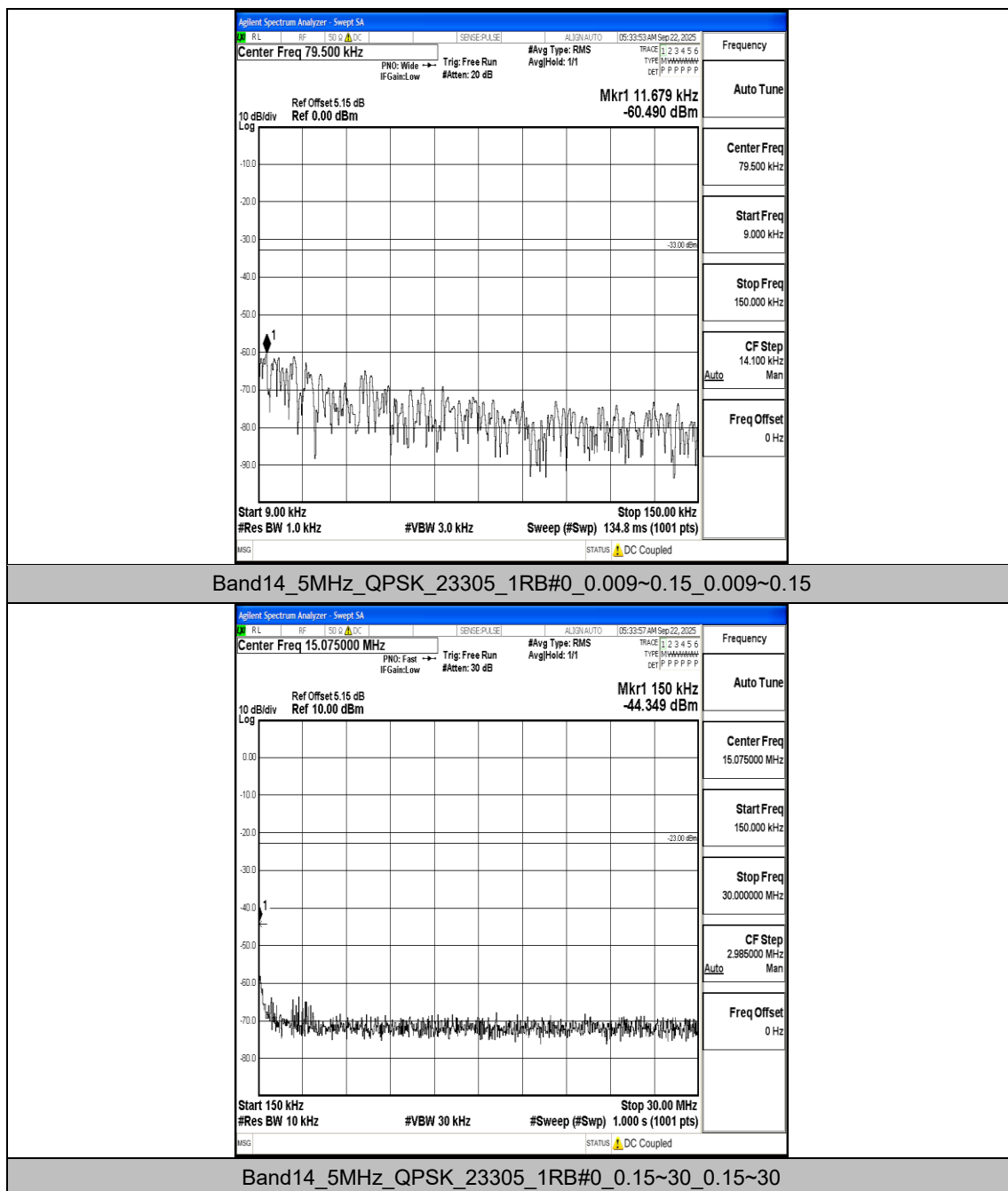
5 Conducted Spurious Emission

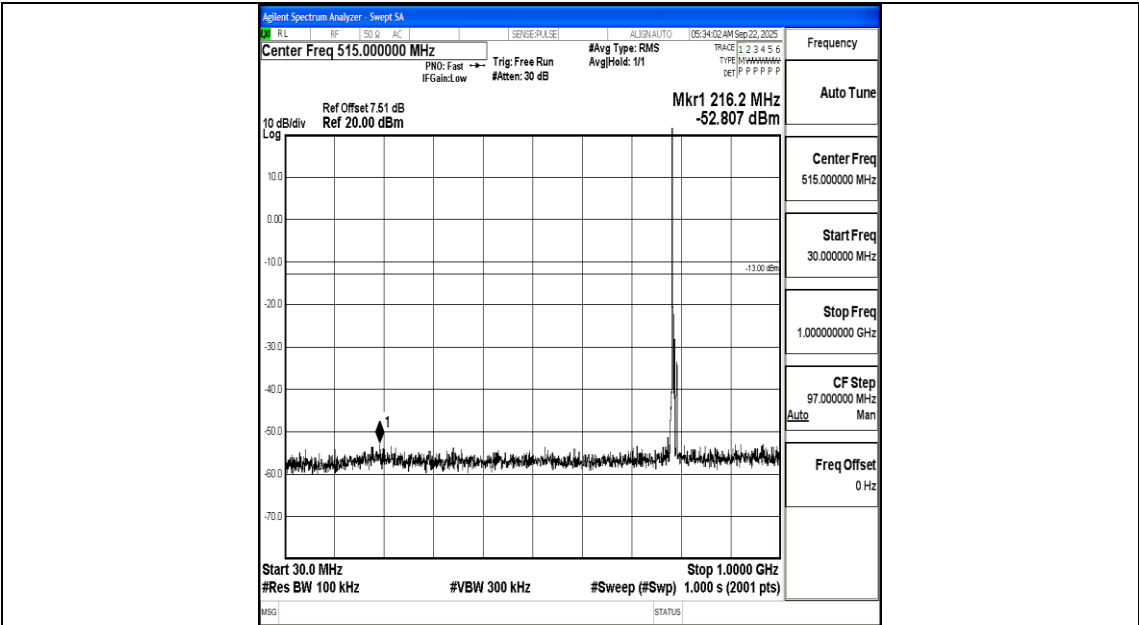
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	0.009~0.15	-60.49	PASS
Band14	5MHz	QPSK	23305	1RB#0	0.15~30	-44.35	PASS
Band14	5MHz	QPSK	23305	1RB#0	30~1000	-52.81	PASS
Band14	5MHz	QPSK	23305	1RB#0	1000~3000	-38.73	PASS
Band14	5MHz	QPSK	23305	1RB#0	3000~10000	-35.33	PASS
Band14	5MHz	16QAM	23305	1RB#0	0.009~0.15	-57.74	PASS
Band14	5MHz	16QAM	23305	1RB#0	0.15~30	-48.05	PASS
Band14	5MHz	16QAM	23305	1RB#0	30~1000	-52.61	PASS
Band14	5MHz	16QAM	23305	1RB#0	1000~3000	-36.43	PASS
Band14	5MHz	16QAM	23305	1RB#0	3000~10000	-35.82	PASS
Band14	5MHz	QPSK	23330	1RB#0	0.009~0.15	-58.69	PASS
Band14	5MHz	QPSK	23330	1RB#0	0.15~30	-46.40	PASS
Band14	5MHz	QPSK	23330	1RB#0	30~1000	-52.92	PASS
Band14	5MHz	QPSK	23330	1RB#0	1000~3000	-37.94	PASS
Band14	5MHz	QPSK	23330	1RB#0	3000~10000	-35.30	PASS
Band14	5MHz	16QAM	23330	1RB#0	0.009~0.15	-56.69	PASS
Band14	5MHz	16QAM	23330	1RB#0	0.15~30	-46.45	PASS
Band14	5MHz	16QAM	23330	1RB#0	30~1000	-52.75	PASS
Band14	5MHz	16QAM	23330	1RB#0	1000~3000	-36.54	PASS
Band14	5MHz	16QAM	23330	1RB#0	3000~10000	-34.71	PASS
Band14	5MHz	QPSK	23355	1RB#0	0.009~0.15	-56.59	PASS
Band14	5MHz	QPSK	23355	1RB#0	0.15~30	-43.34	PASS
Band14	5MHz	QPSK	23355	1RB#0	30~1000	-53.27	PASS
Band14	5MHz	QPSK	23355	1RB#0	1000~3000	-38.57	PASS
Band14	5MHz	QPSK	23355	1RB#0	3000~10000	-35.38	PASS
Band14	5MHz	16QAM	23355	1RB#0	0.009~0.15	-57.10	PASS
Band14	5MHz	16QAM	23355	1RB#0	0.15~30	-45.35	PASS
Band14	5MHz	16QAM	23355	1RB#0	30~1000	-52.53	PASS
Band14	5MHz	16QAM	23355	1RB#0	1000~3000	-36.74	PASS
Band14	5MHz	16QAM	23355	1RB#0	3000~10000	-35.47	PASS
Band14	10MHz	QPSK	23330	1RB#0	0.009~0.15	-57.43	PASS
Band14	10MHz	QPSK	23330	1RB#0	0.15~30	-47.19	PASS
Band14	10MHz	QPSK	23330	1RB#0	30~1000	-52.60	PASS
Band14	10MHz	QPSK	23330	1RB#0	1000~3000	-38.21	PASS
Band14	10MHz	QPSK	23330	1RB#0	3000~10000	-35.16	PASS
Band14	10MHz	16QAM	23330	1RB#0	0.009~0.15	-58.76	PASS

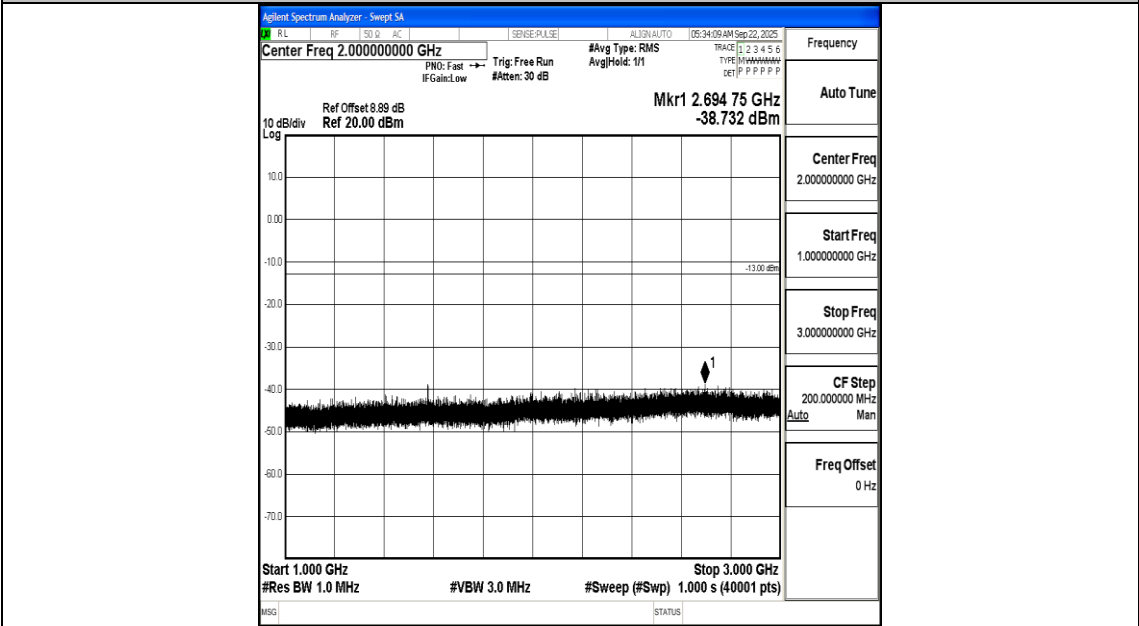
Band14	10MHz	16QAM	23330	1RB#0	0.15~30	-45.90	PASS
Band14	10MHz	16QAM	23330	1RB#0	30~1000	-52.22	PASS
Band14	10MHz	16QAM	23330	1RB#0	1000~3000	-36.43	PASS
Band14	10MHz	16QAM	23330	1RB#0	3000~10000	-35.73	PASS

Test Graphs

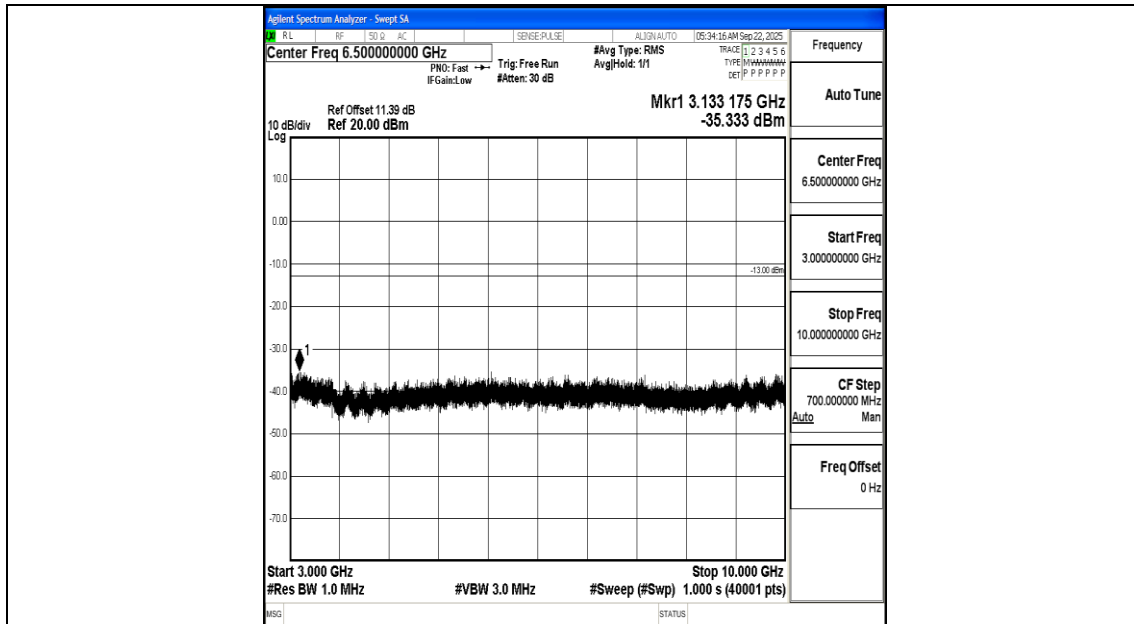




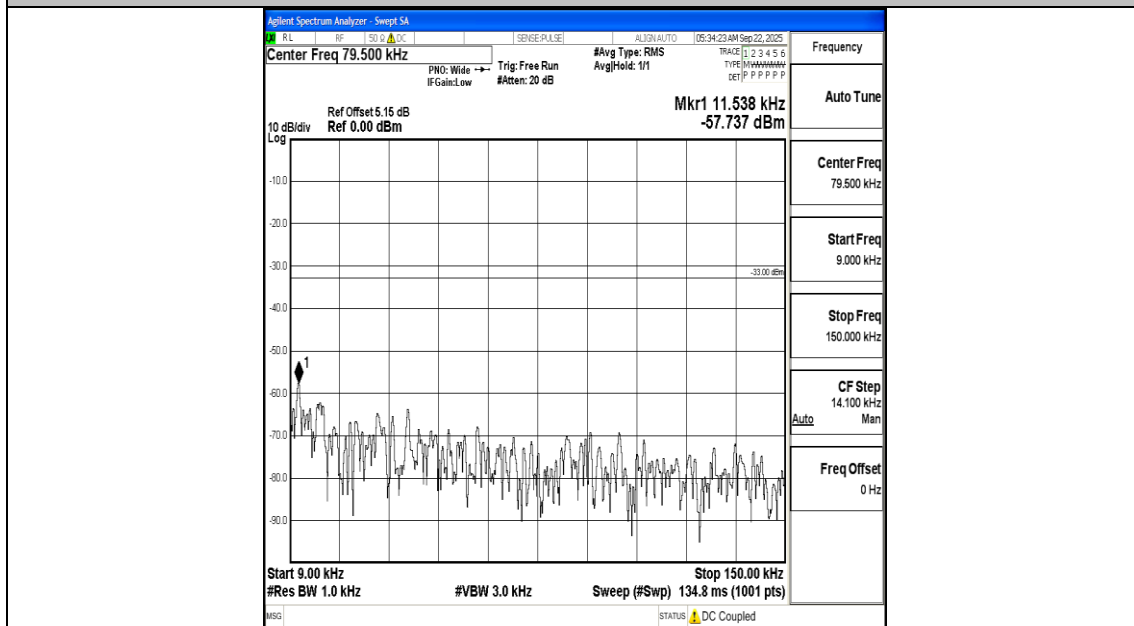
Band14_5MHz_QPSK_23305_1RB#0_30~1000_30~1000



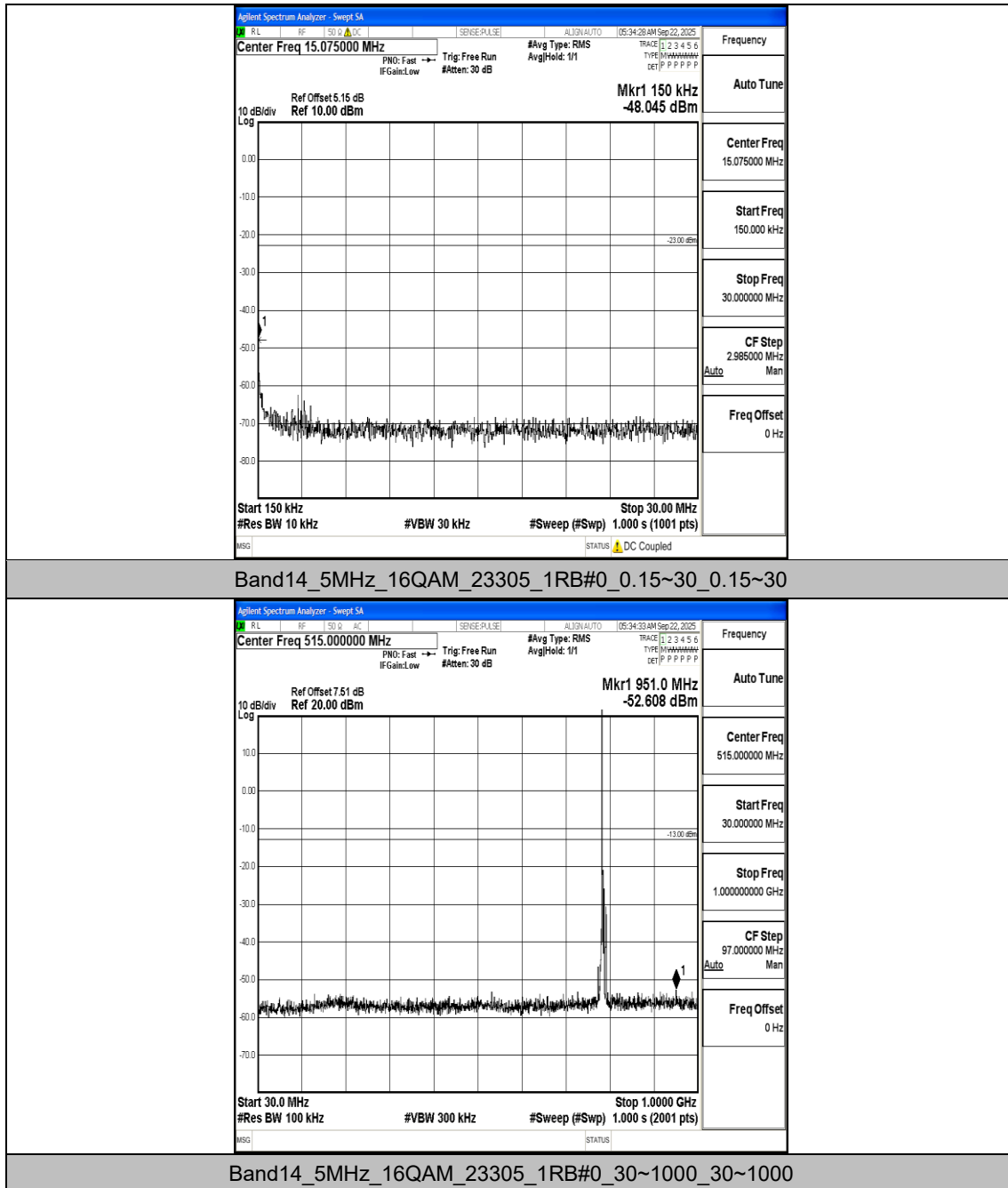
Band14_5MHz_QPSK_23305_1RB#0_1000~3000_1000~3000

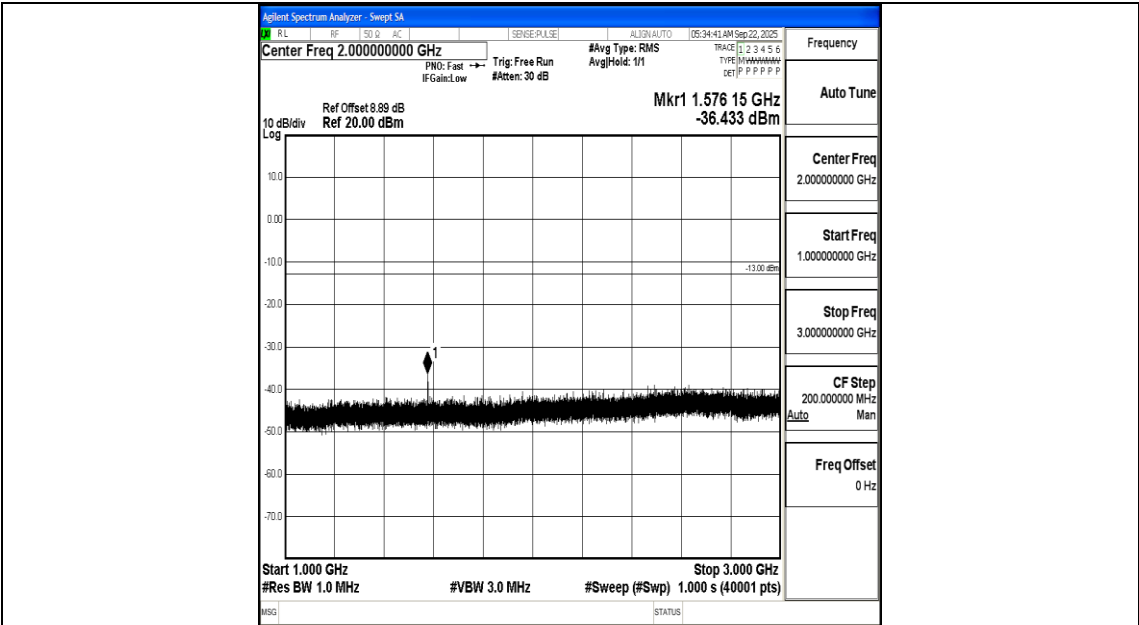


Band14_5MHz_QPSK_23305_1RB#0_3000~10000_3000~10000

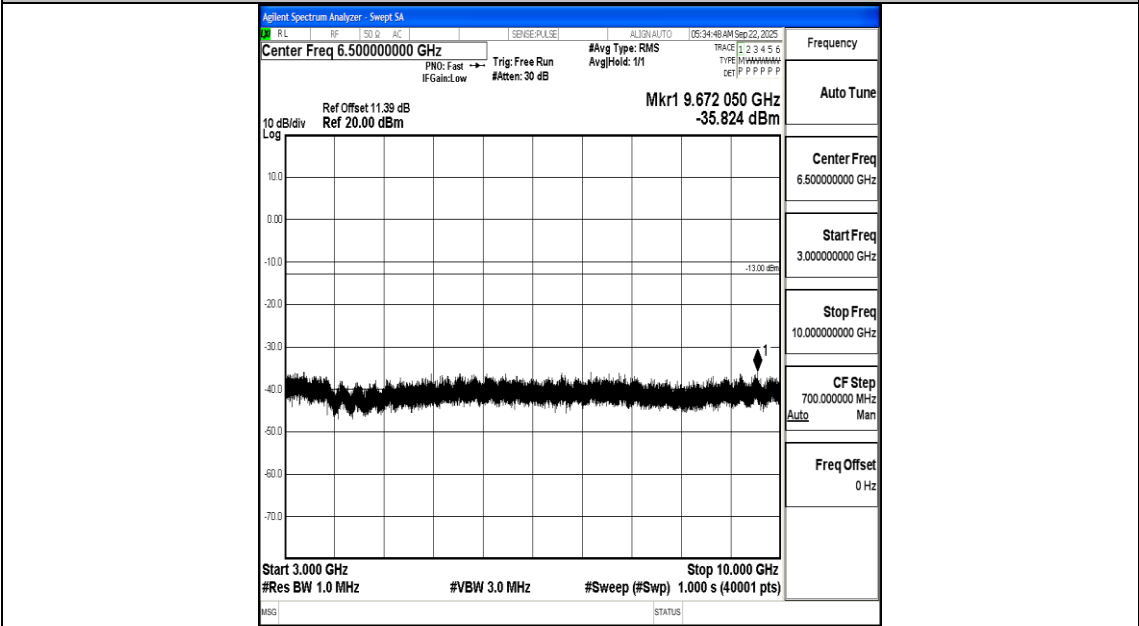


Band14_5MHz_16QAM_23305_1RB#0_0.009~0.15_0.009~0.15

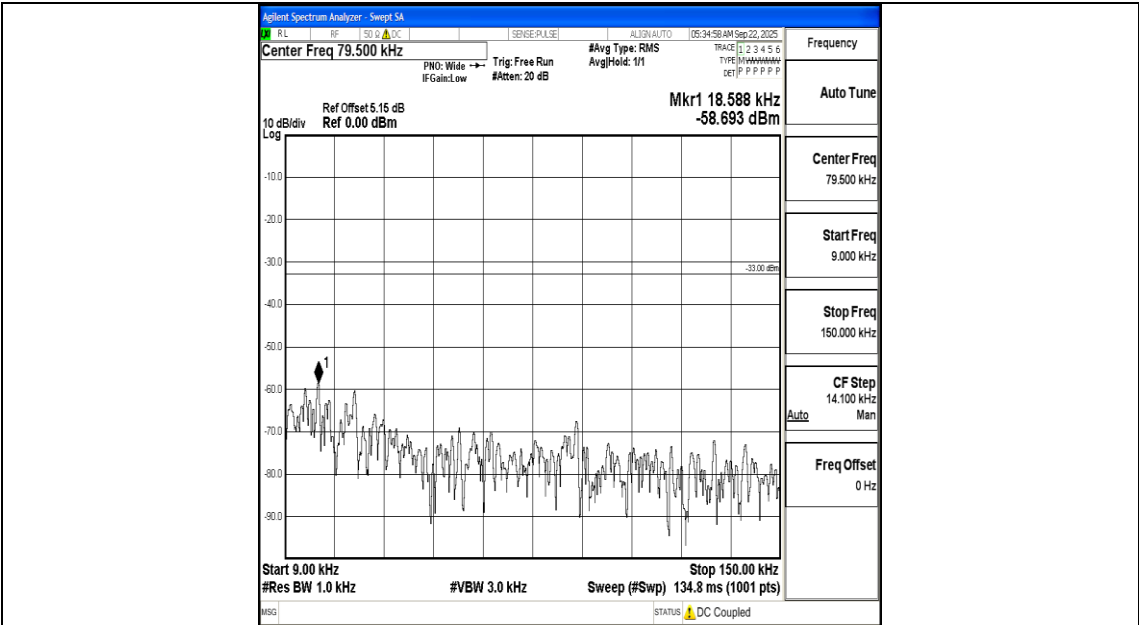




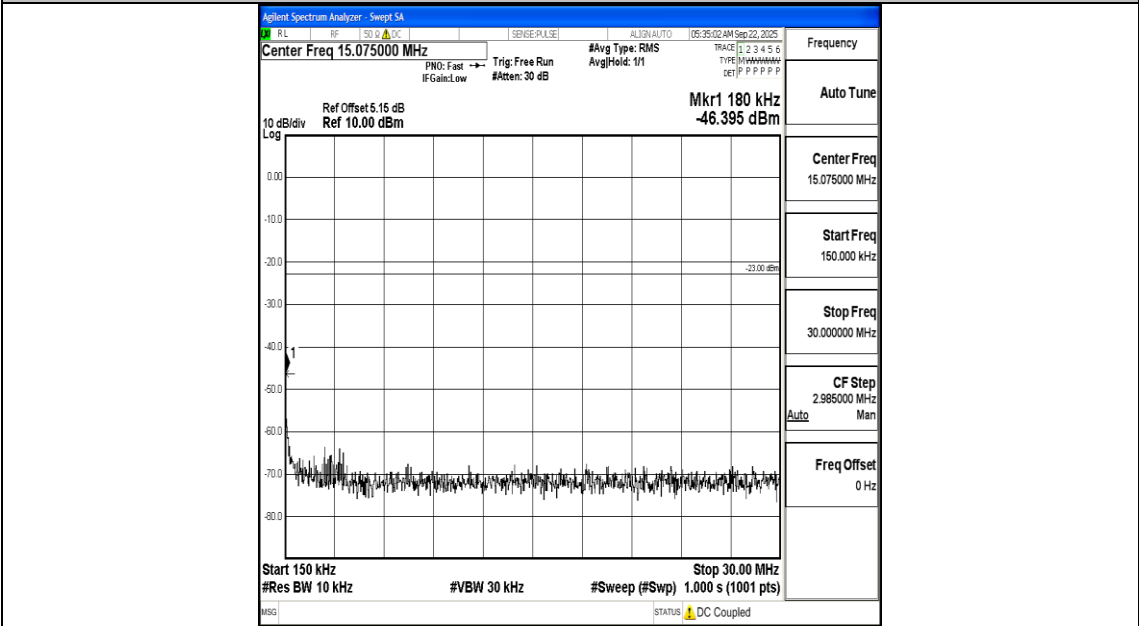
Band14_5MHz_16QAM_23305_1RB#0_1000~3000_1000~3000



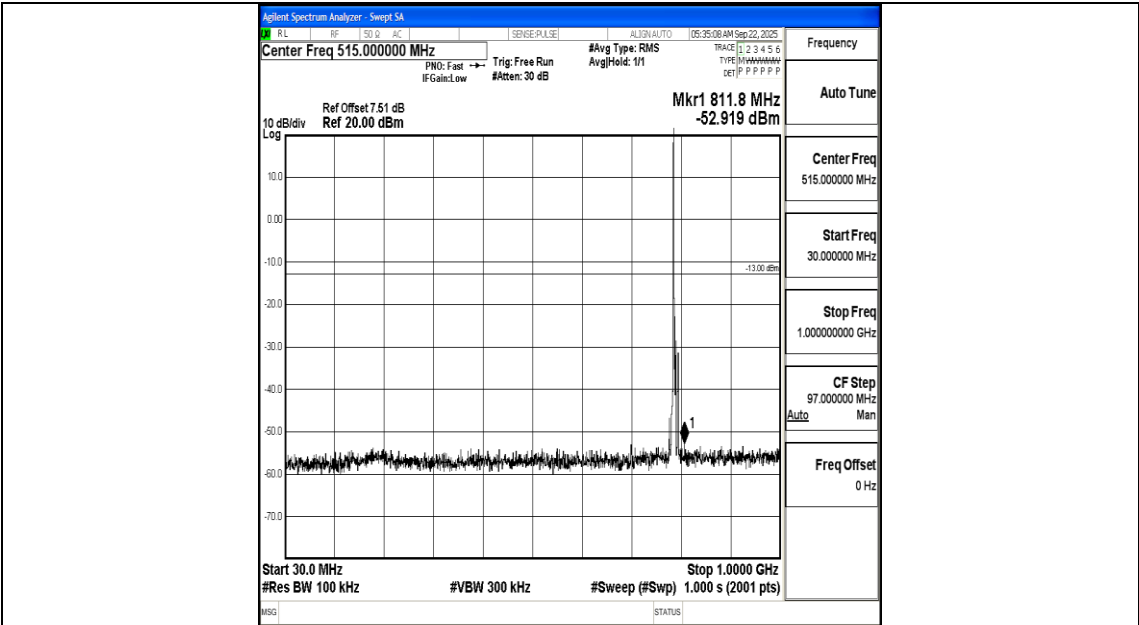
Band14_5MHz_16QAM_23305_1RB#0_3000~10000_3000~10000



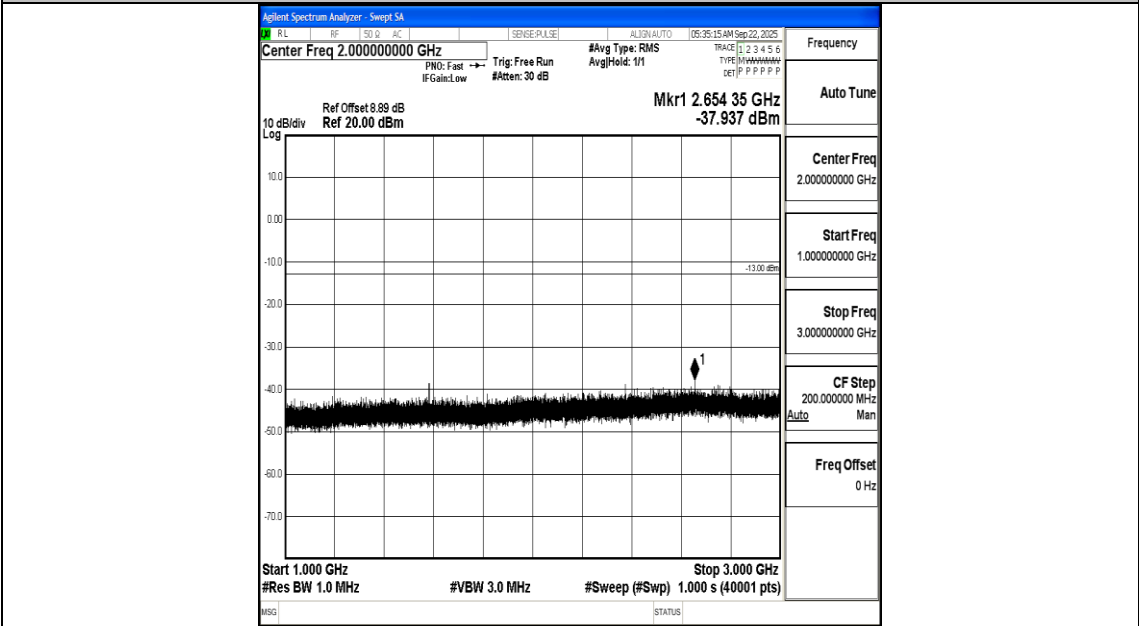
Band14_5MHz_QPSK_23330_1RB#0_0.009~0.15_0.009~0.15



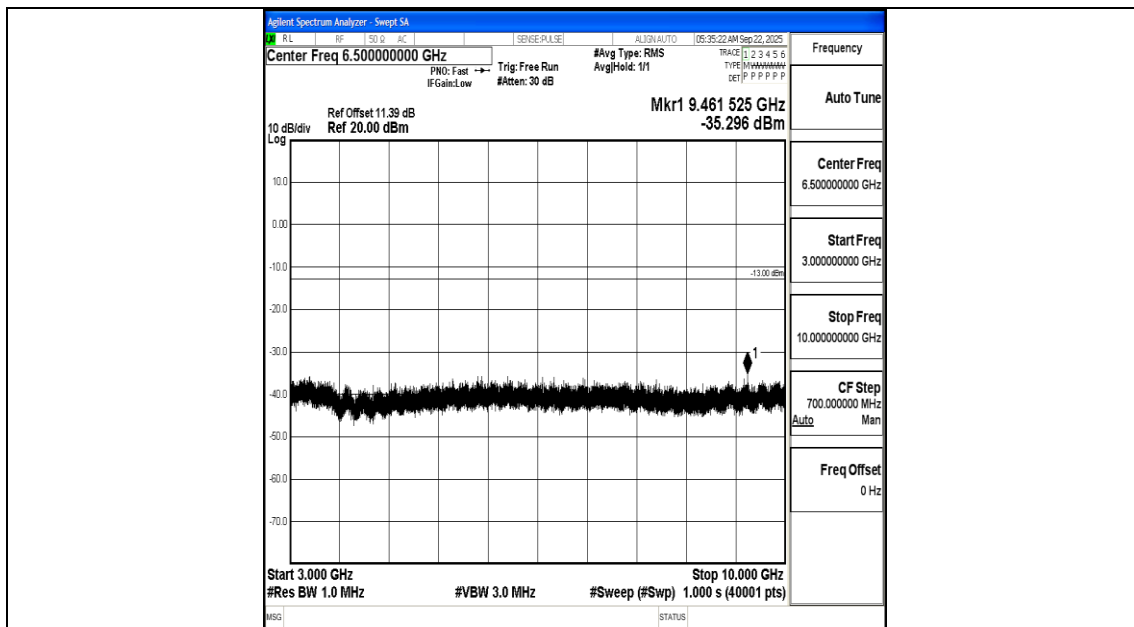
Band14_5MHz_QPSK_23330_1RB#0_0.15~30_0.15~30



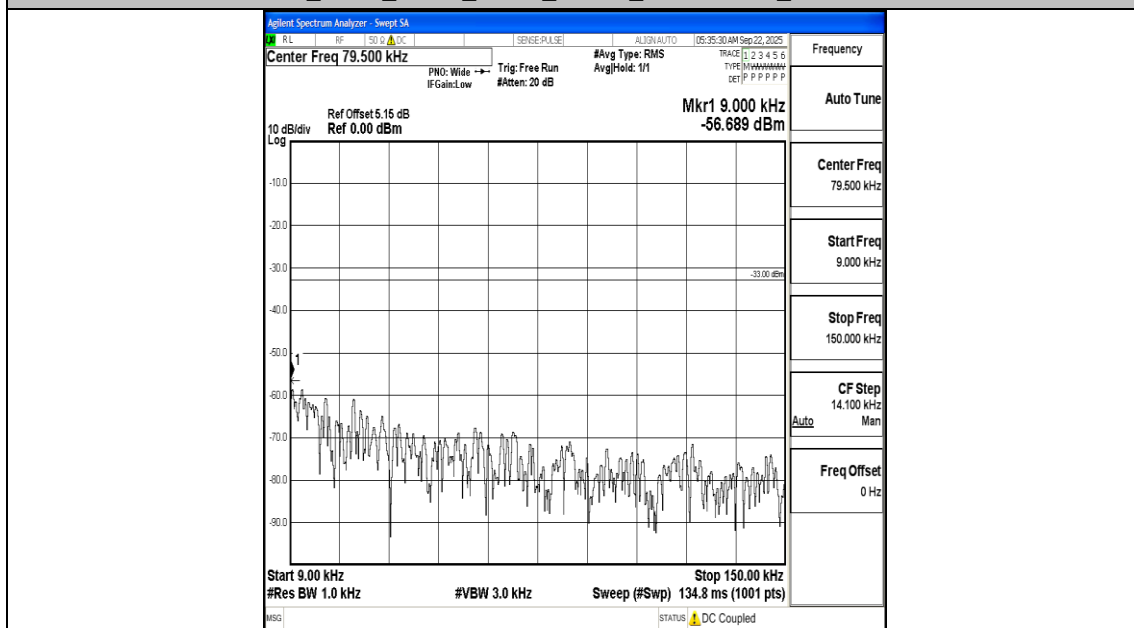
Band14_5MHz_QPSK_23330_1RB#0_30~1000_30~1000



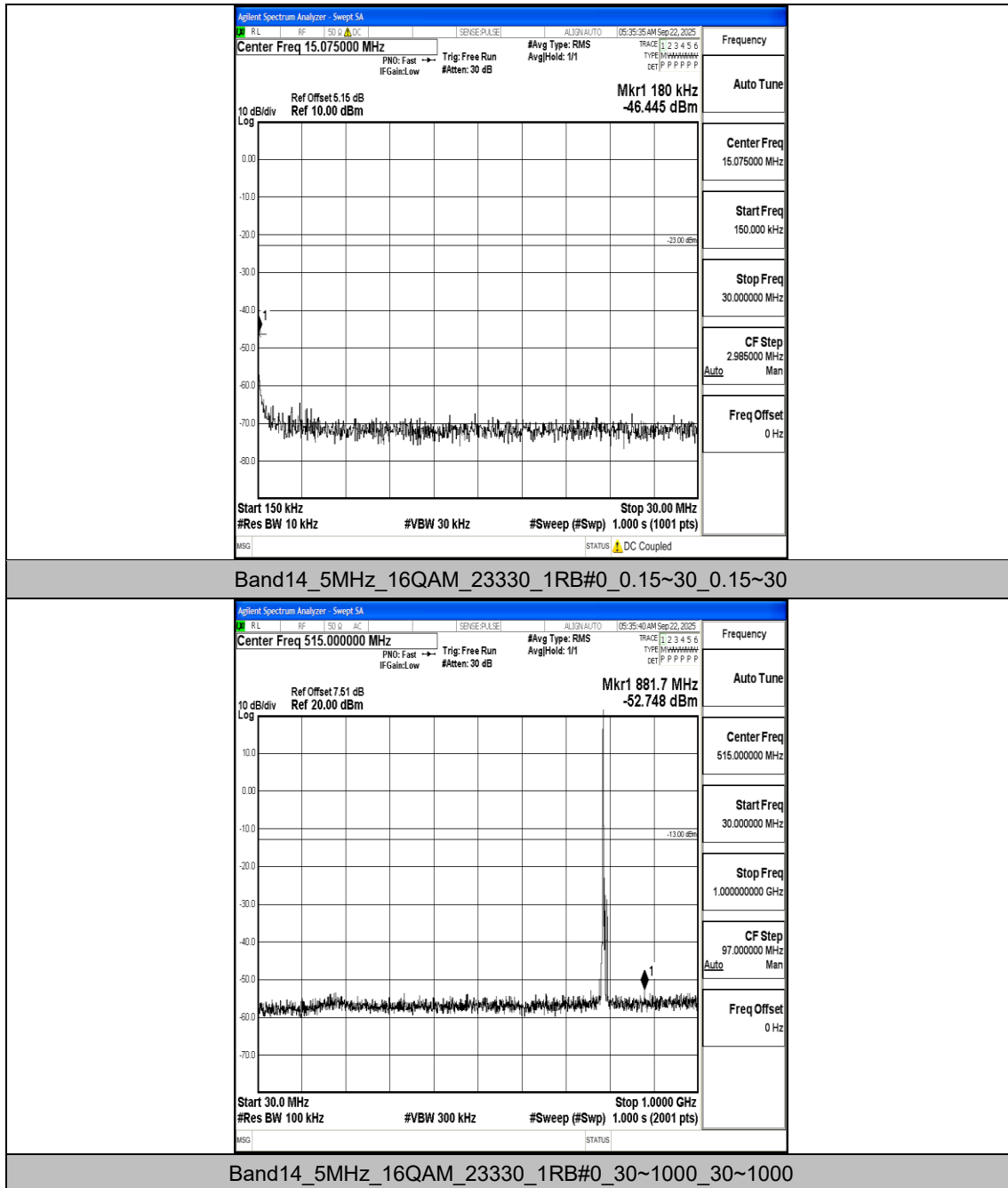
Band14_5MHz_QPSK_23330_1RB#0_1000~3000_1000~3000

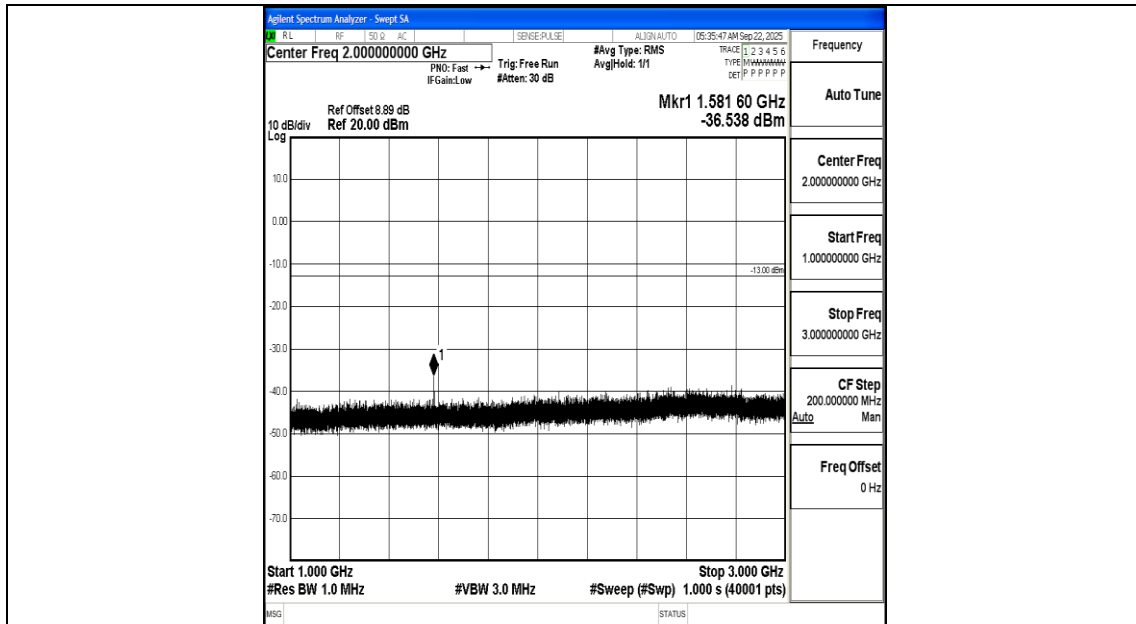


Band14_5MHz_QPSK_23330_1RB#0_3000~10000_3000~10000

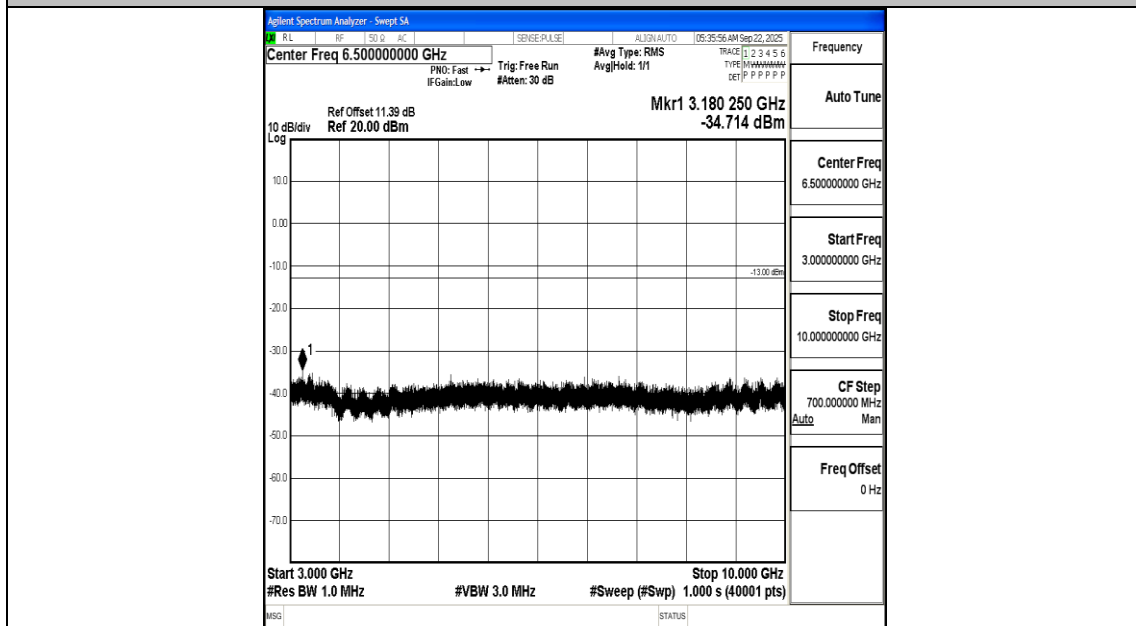


Band14_5MHz_16QAM_23330_1RB#0_0.009~0.15_0.009~0.15

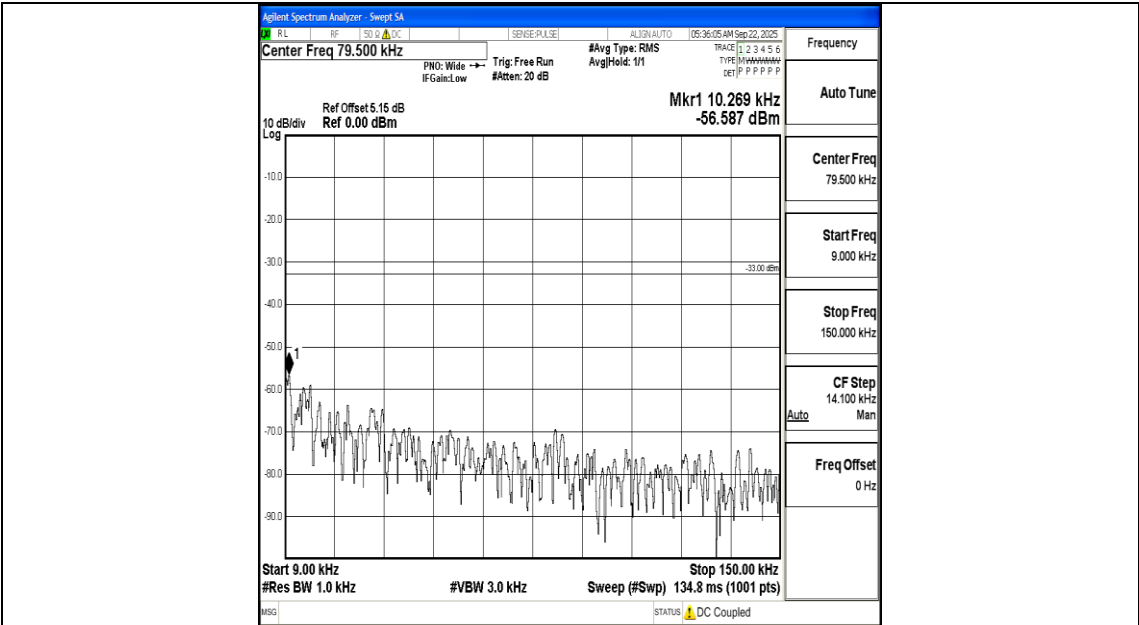




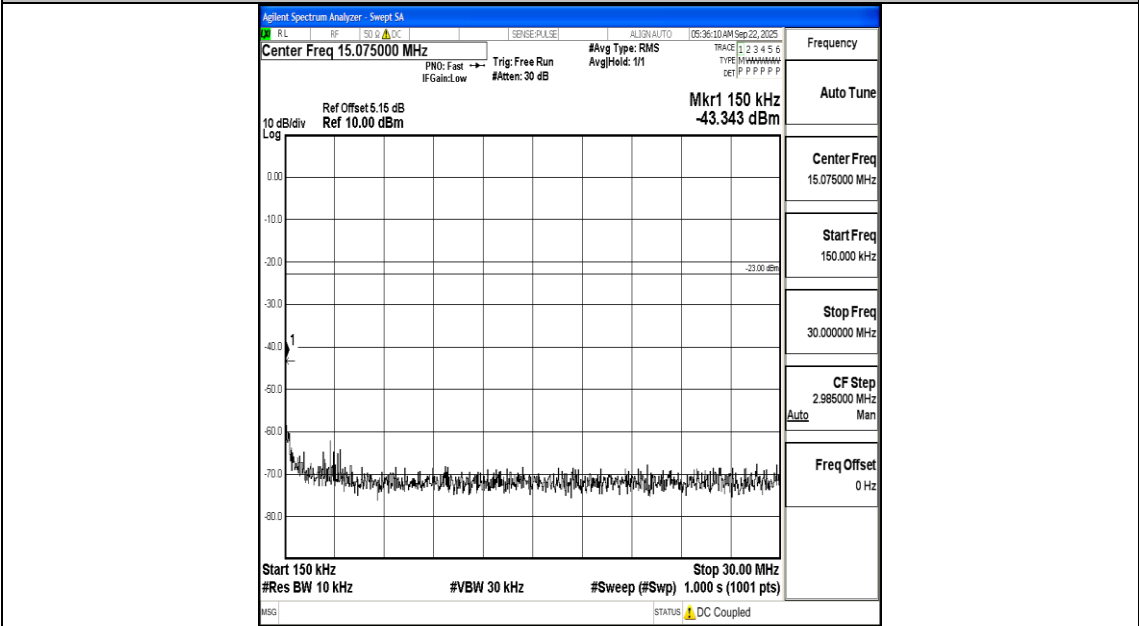
Band14_5MHz_16QAM_23330_1RB#0_1000~3000_1000~3000



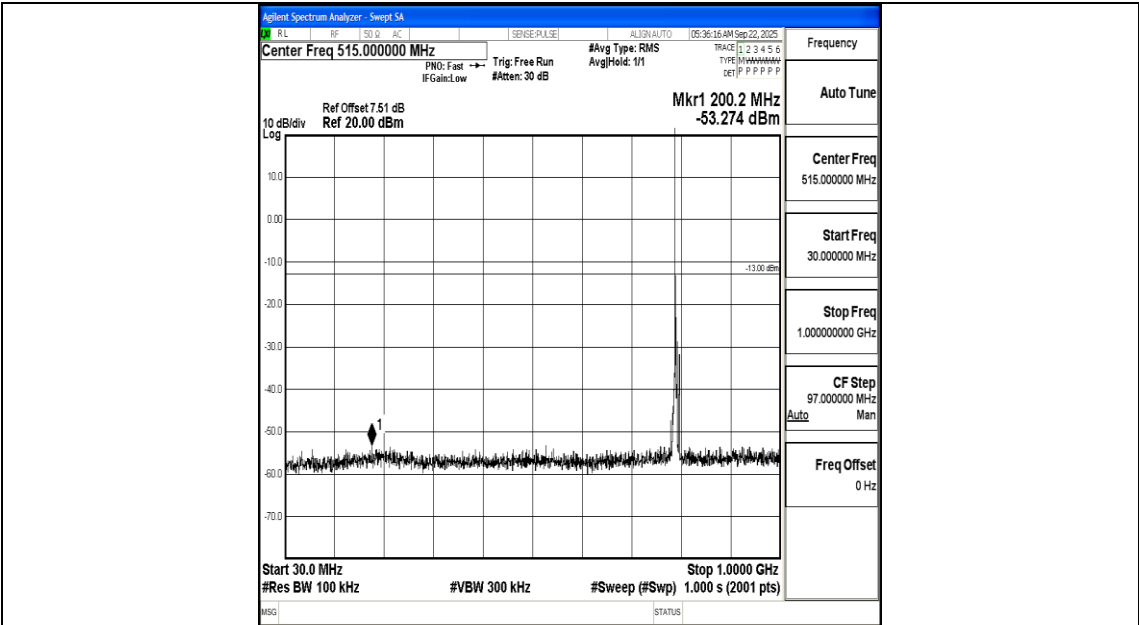
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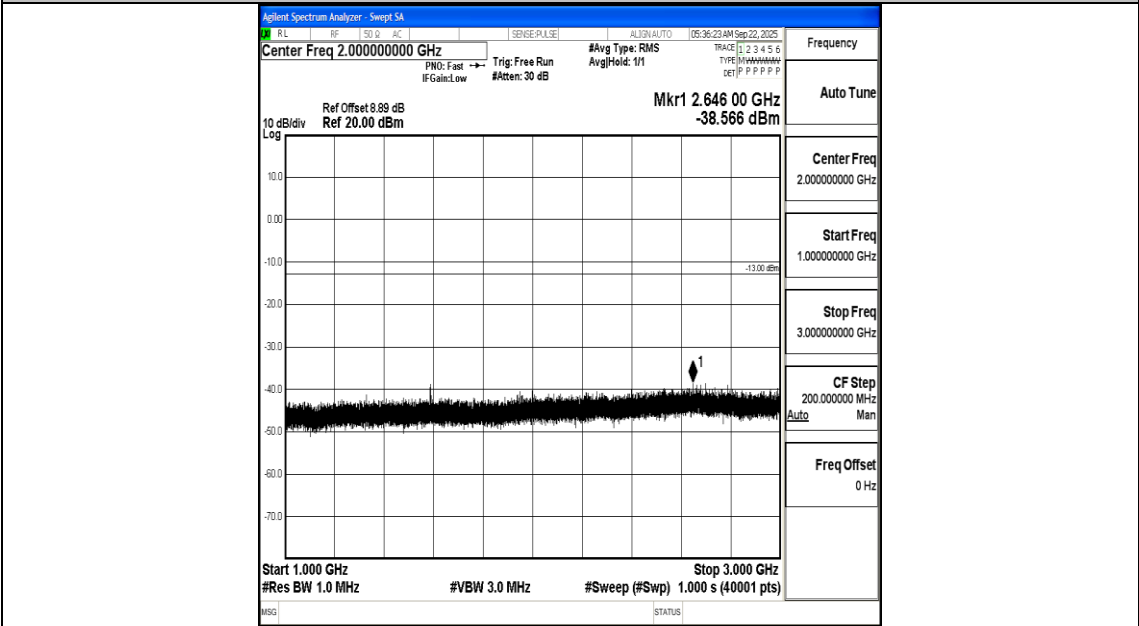
Band14_5MHz_QPSK_23355_1RB#0_0.009~0.15_0.009~0.15



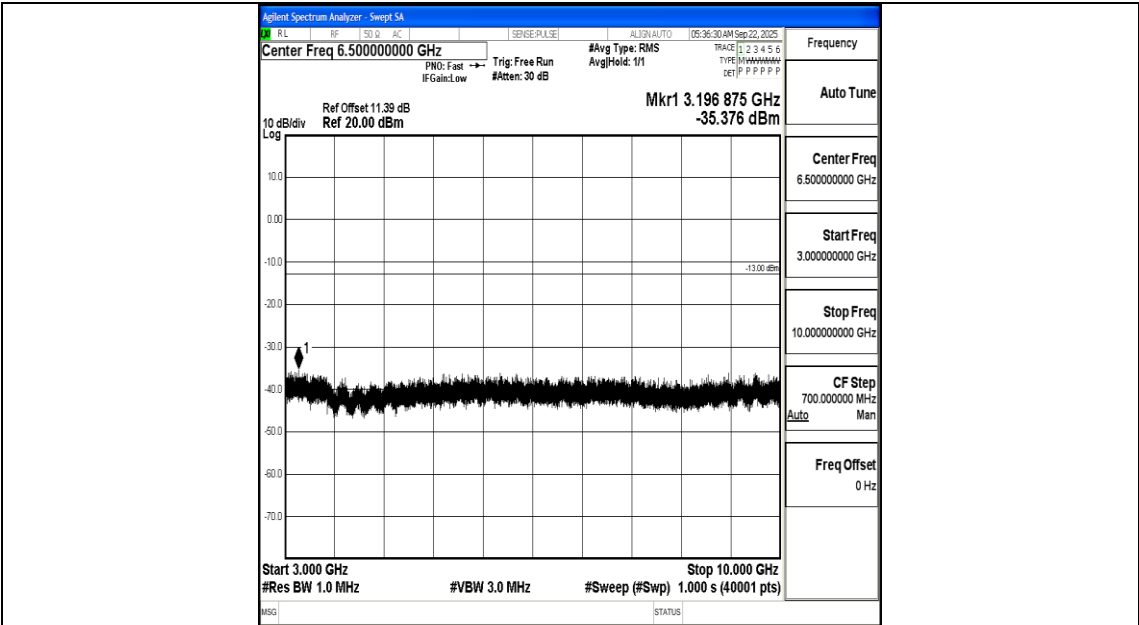
Band14_5MHz_QPSK_23355_1RB#0_0.15~30_0.15~30



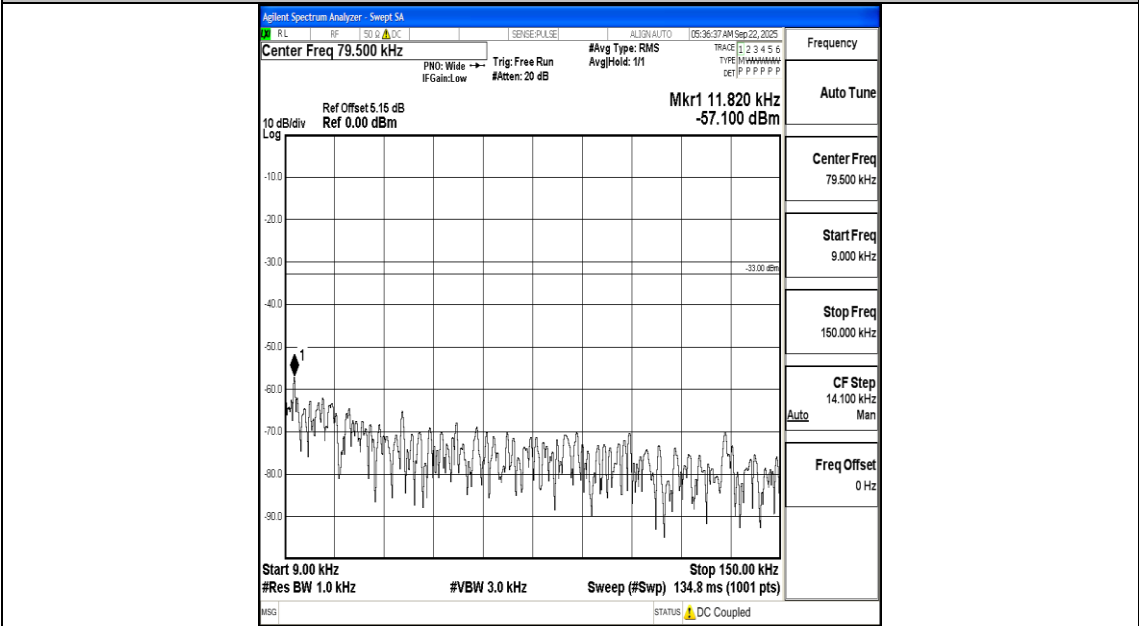
Band14_5MHz_QPSK_23355_1RB#0_30~1000_30~1000



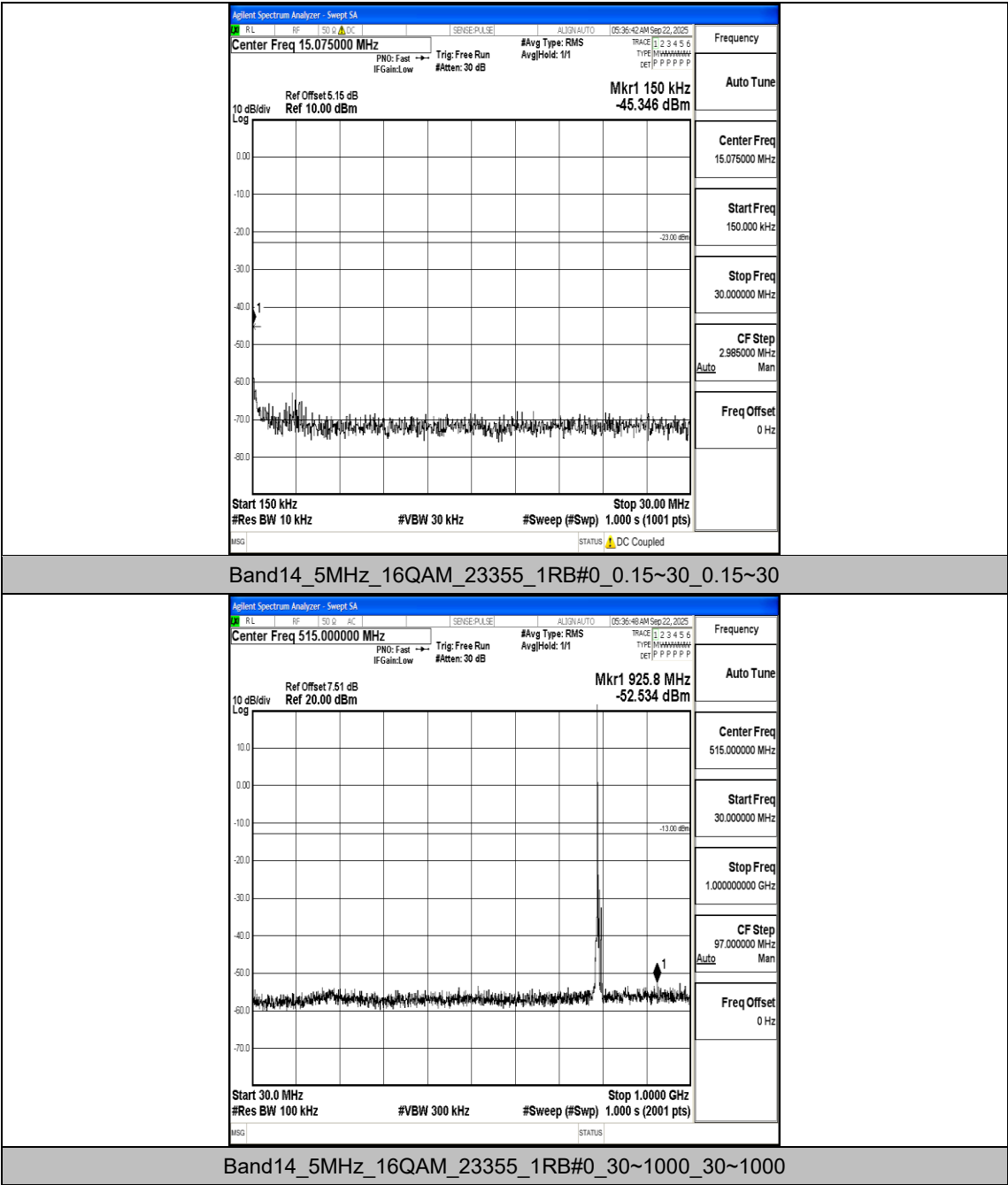
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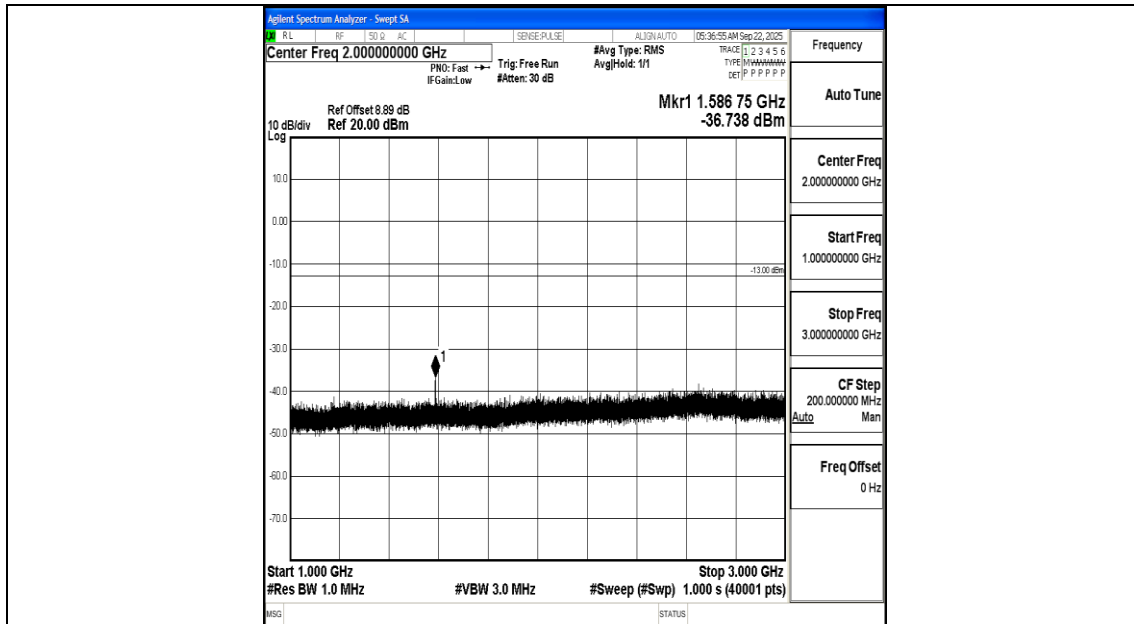


Band14_5MHz_QPSK_23355_1RB#0_3000~10000_3000~10000

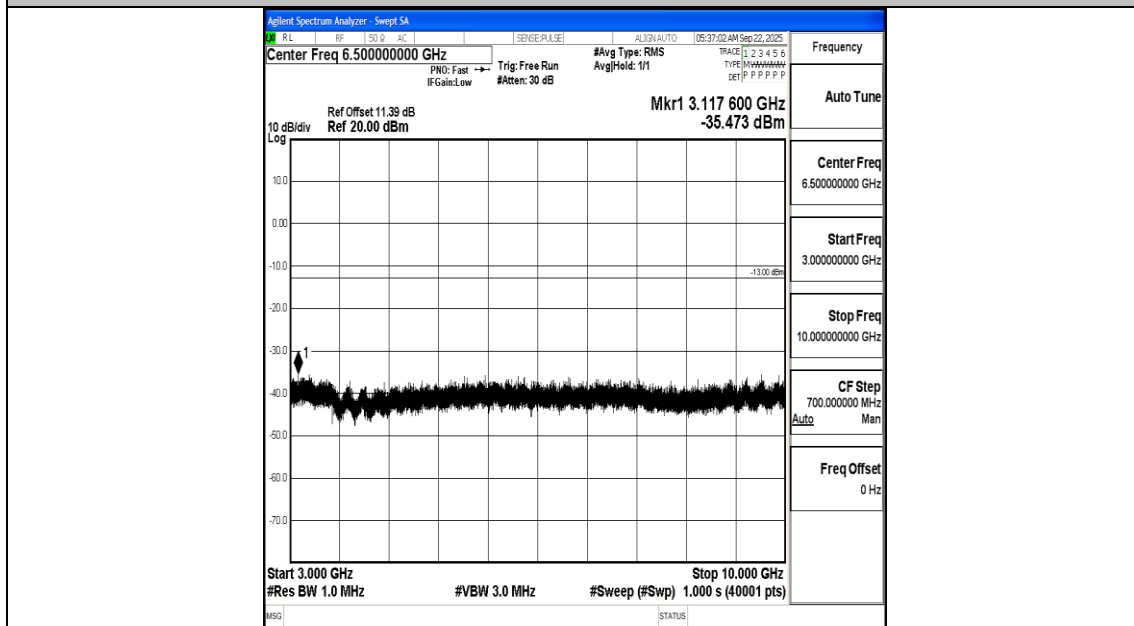


Band14_5MHz_16QAM_23355_1RB#0_0.009~0.15_0.009~0.15

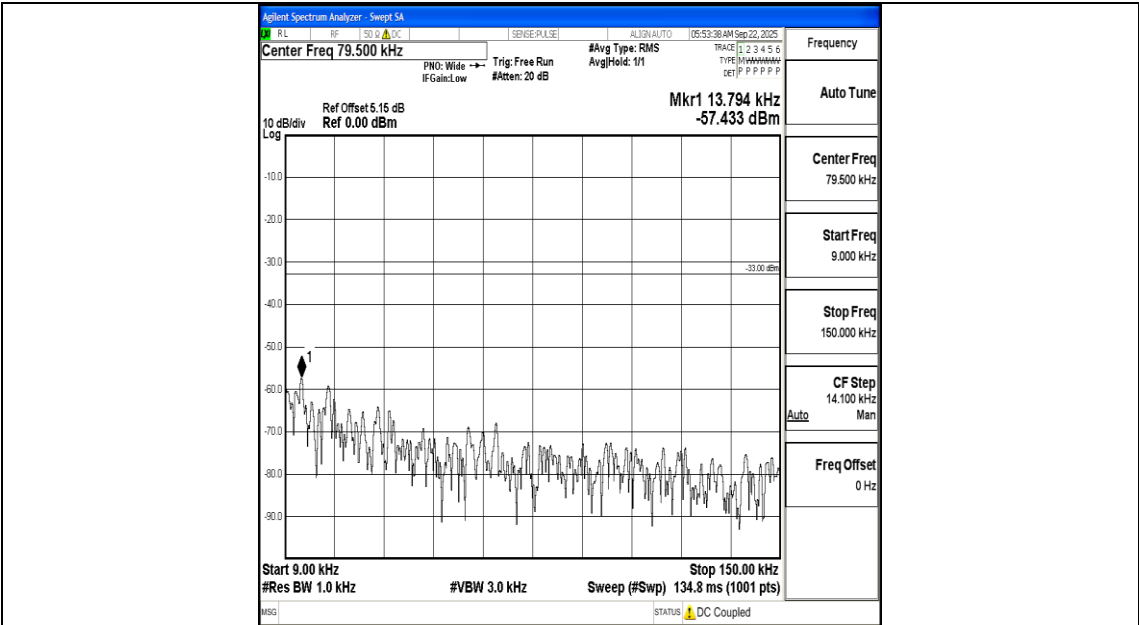




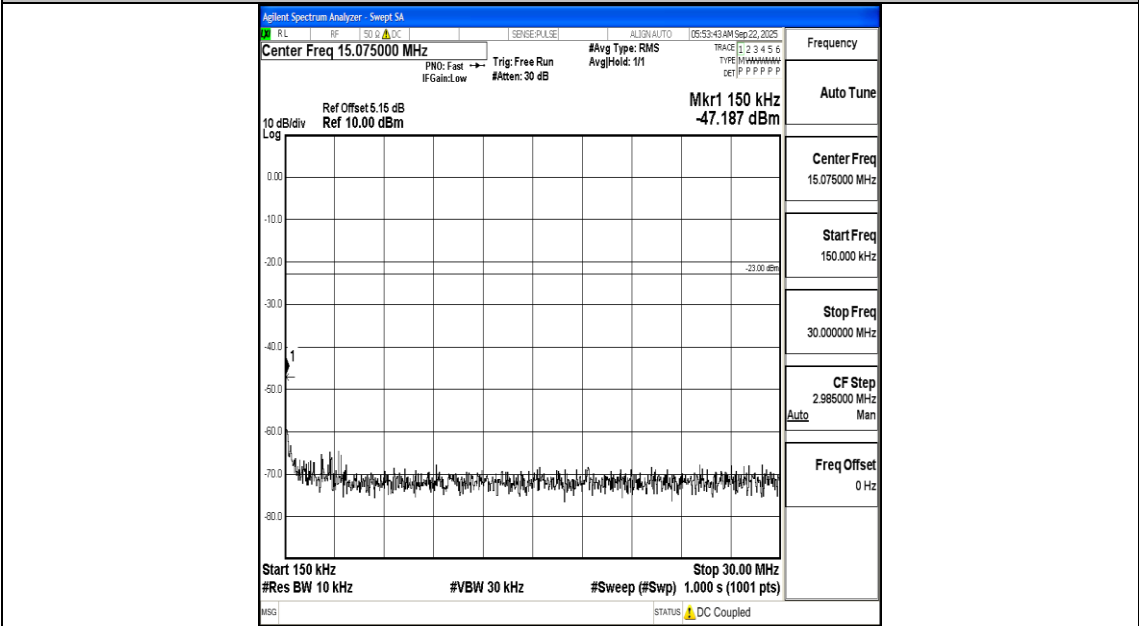
Band14_5MHz_16QAM_23355_1RB#0_1000~3000_1000~3000



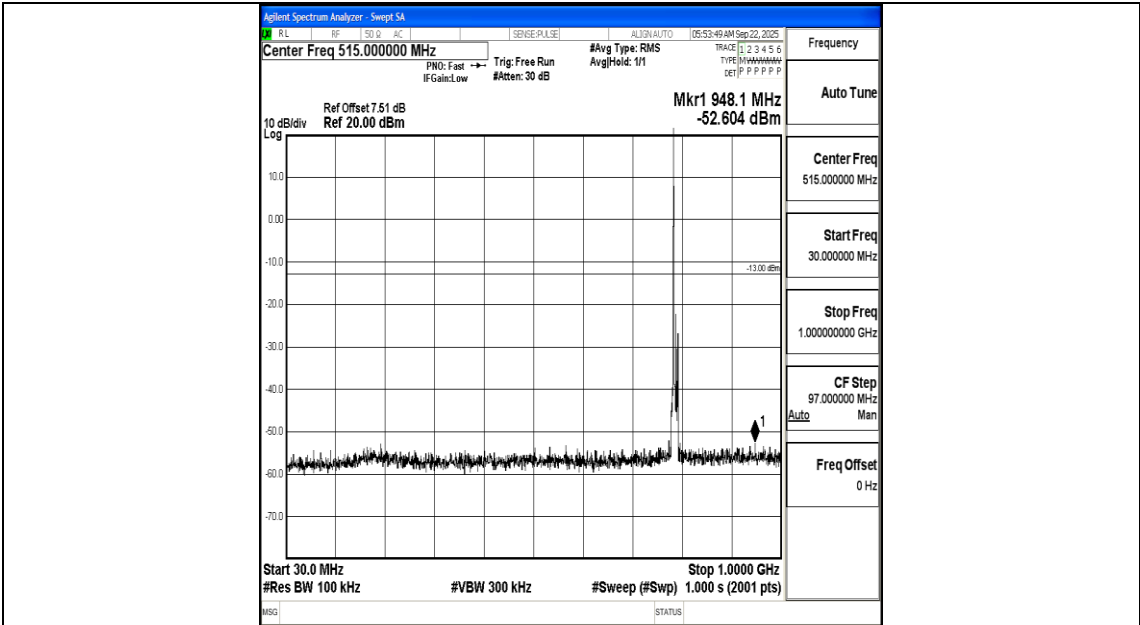
Band14_5MHz_16QAM_23355_1RB#0_3000~10000_3000~10000



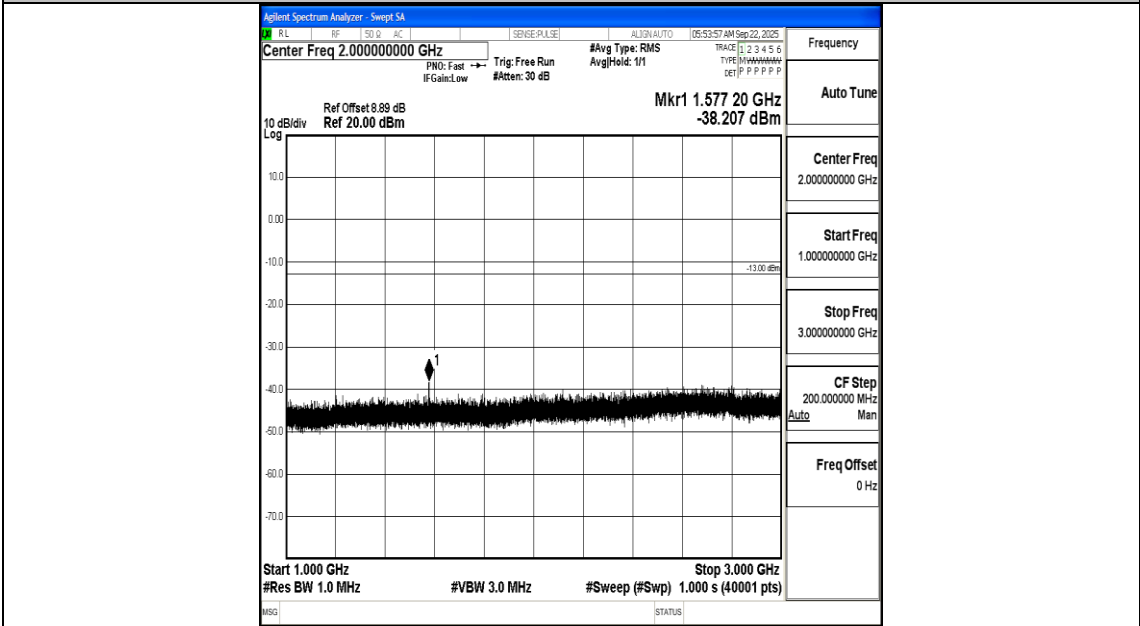
Band14_10MHz_QPSK_23330_1RB#0_0.009~0.15_0.009~0.15



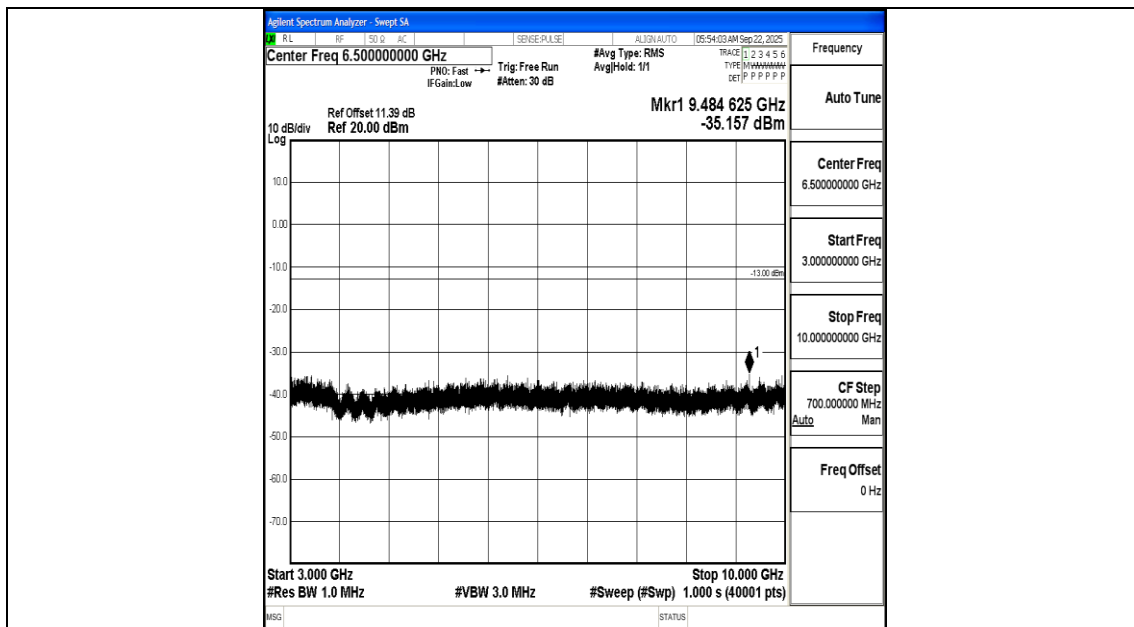
Band14_10MHz_QPSK_23330_1RB#0_0.15~30_0.15~30



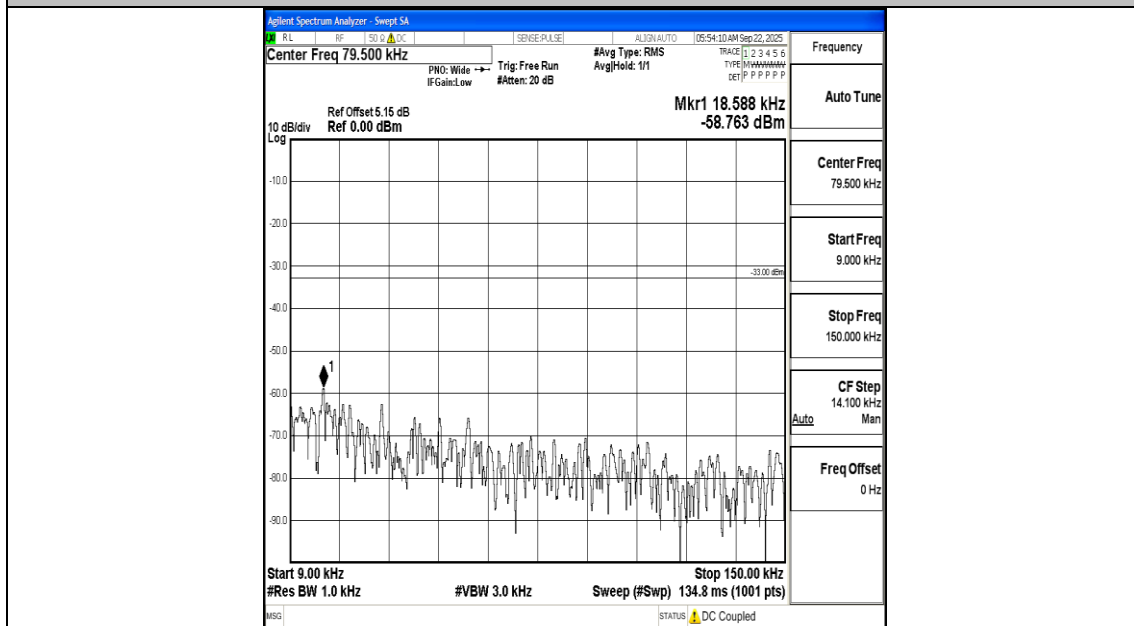
Band14_10MHz_QPSK_23330_1RB#0_30~1000_30~1000



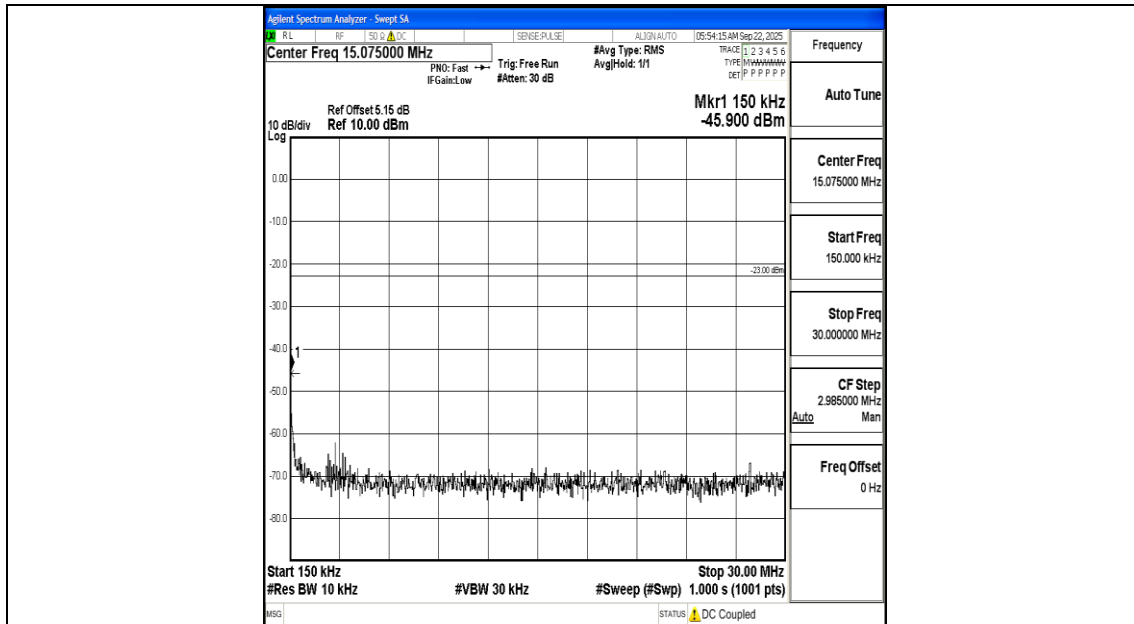
Band14_10MHz_QPSK_23330_1RB#0_1000~3000_1000~3000



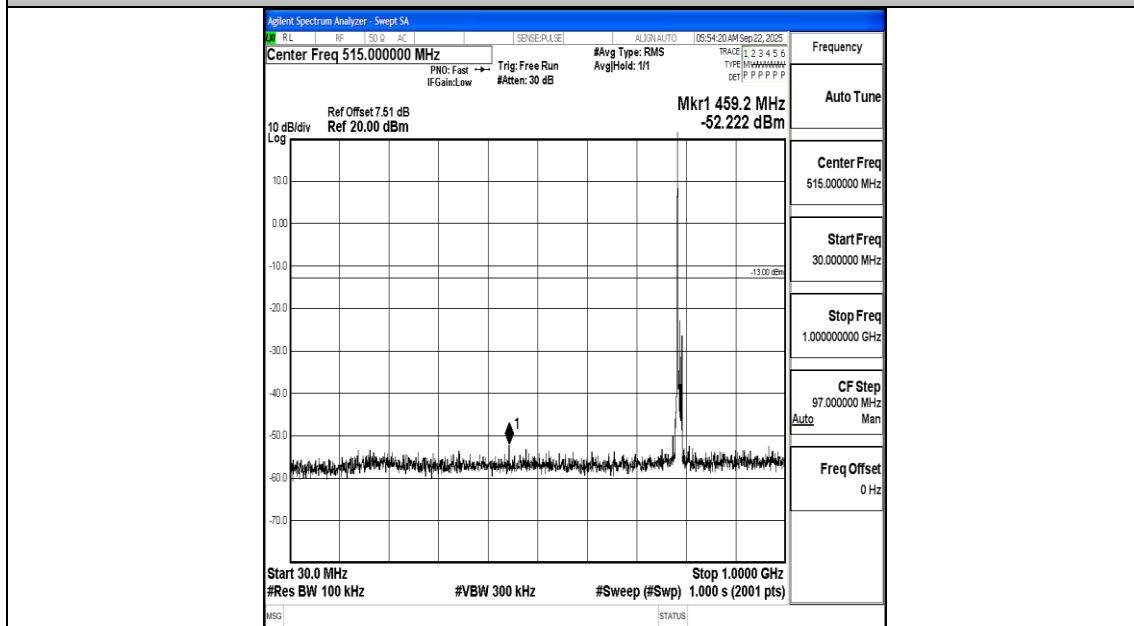
Band14_10MHz_QPSK_23330_1RB#0_3000~10000_3000~10000



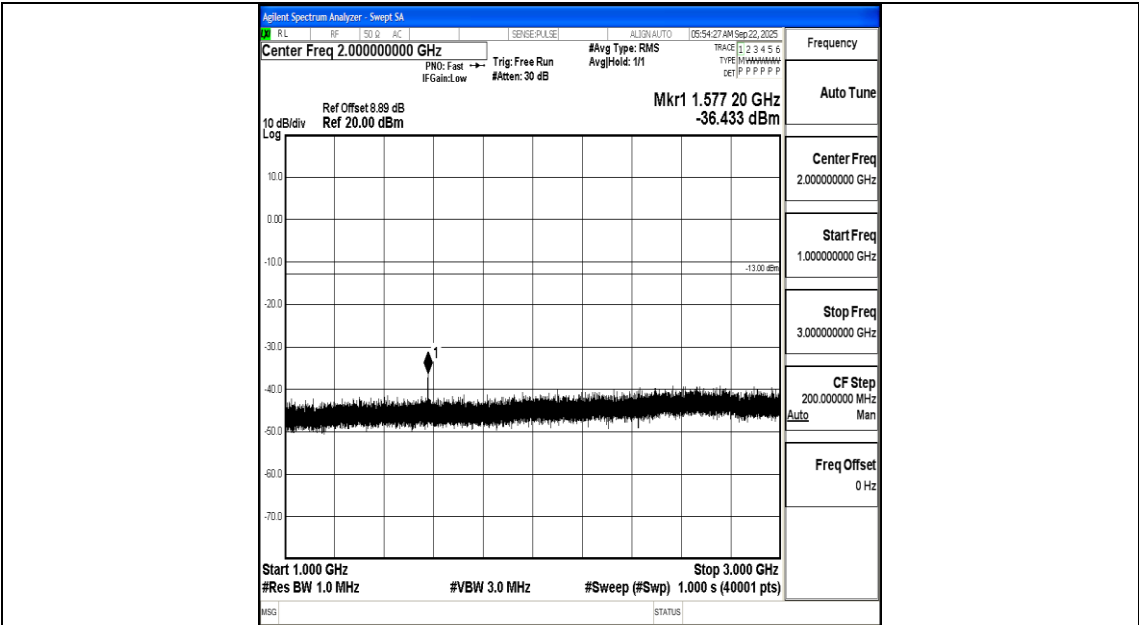
Band14_10MHz_16QAM_23330_1RB#0_0.009~0.15_0.009~0.15



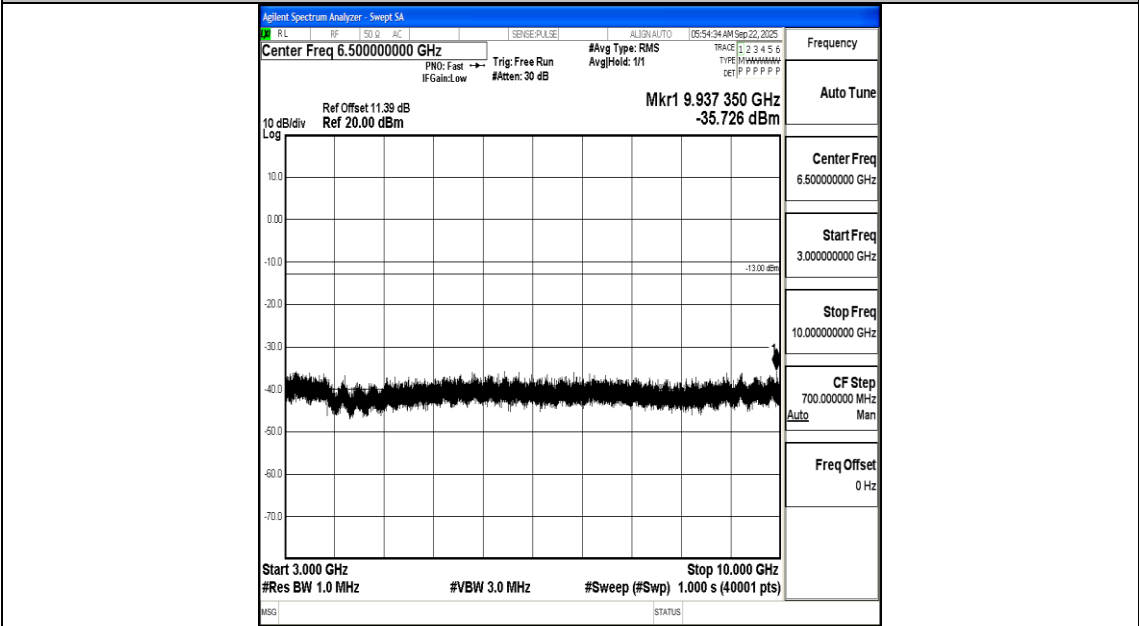
Band14_10MHz_16QAM_23330_1RB#0_0.15~30_0.15~30



Band14_10MHz_16QAM_23330_1RB#0_30~1000_30~1000



Band14_10MHz_16QAM_23330_1RB#0_1000~3000_1000~3000



Band14_10MHz_16QAM_23330_1RB#0_3000~10000_3000~10000