

LTE Test Data

General Description of EUT	
Product Name:	Tractive Dog 6
Test Model:	TG6C
Sample ID:	HC-C-202505-0203-01-02#
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 5V
Test Engineer:	Rick Chen
Note: For a more detailed features description, please refer to the report TBR-C-202505-0203-31 The report only show the worst case data.	

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1: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.02	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.09	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	21.68	34.8	PASS
Band13	5MHz	QPSK	23205	12RB#0	21.39	34.8	PASS
Band13	5MHz	QPSK	23205	12RB#6	21.11	34.8	PASS
Band13	5MHz	QPSK	23205	12RB#13	20.91	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	21.17	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	21.88	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	21.89	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.47	34.8	PASS
Band13	5MHz	QPSK	23230	12RB#0	20.66	34.8	PASS
Band13	5MHz	QPSK	23230	12RB#6	20.80	34.8	PASS
Band13	5MHz	QPSK	23230	12RB#13	21.03	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	20.82	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	21.80	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.66	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.92	34.8	PASS
Band13	5MHz	QPSK	23255	12RB#0	21.14	34.8	PASS
Band13	5MHz	QPSK	23255	12RB#6	21.67	34.8	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.05	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.76	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.97	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	20.99	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	20.74	34.8	PASS
Band13	5MHz	16QAM	23205	12RB#0	20.52	34.8	PASS
Band13	5MHz	16QAM	23205	12RB#6	20.06	34.8	PASS
Band13	5MHz	16QAM	23205	12RB#13	19.87	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	20.17	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	20.60	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	20.72	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	21.31	34.8	PASS
Band13	5MHz	16QAM	23230	12RB#0	19.81	34.8	PASS
Band13	5MHz	16QAM	23230	12RB#6	19.77	34.8	PASS
Band13	5MHz	16QAM	23230	12RB#13	20.09	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	19.90	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	20.99	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	21.83	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.23	34.8	PASS
Band13	5MHz	16QAM	23255	12RB#0	20.25	34.8	PASS

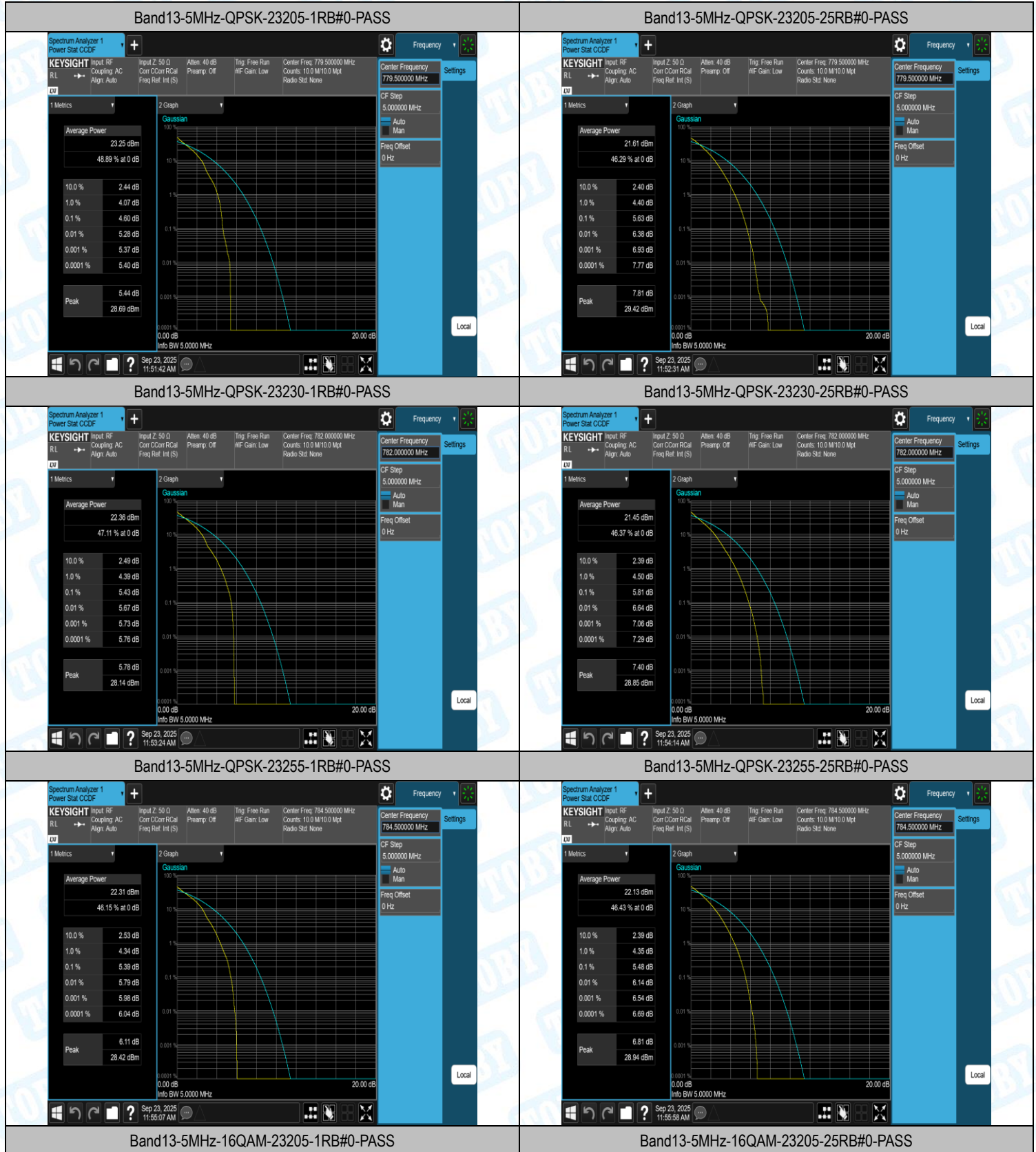
Band13	5MHz	16QAM	23255	12RB#6	20.67	34.8	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.16	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	20.68	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	21.24	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	21.81	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	21.74	34.8	PASS
Band13	10MHz	QPSK	23230	25RB#0	20.81	34.8	PASS
Band13	10MHz	QPSK	23230	25RB#12	20.93	34.8	PASS
Band13	10MHz	QPSK	23230	25RB#25	21.35	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	20.99	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	20.47	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	20.79	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	21.00	34.8	PASS
Band13	10MHz	16QAM	23230	25RB#0	19.89	34.8	PASS
Band13	10MHz	16QAM	23230	25RB#12	19.89	34.8	PASS
Band13	10MHz	16QAM	23230	25RB#25	20.54	34.8	PASS

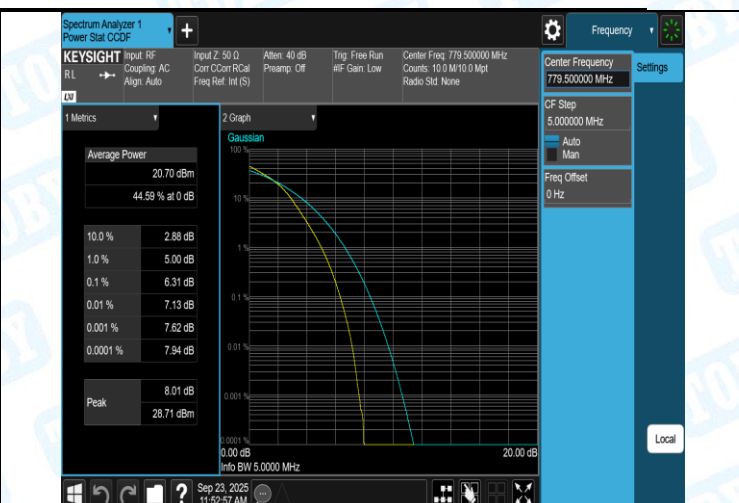
2: Peak-to-Average Ratio(CCDF)

Test Result

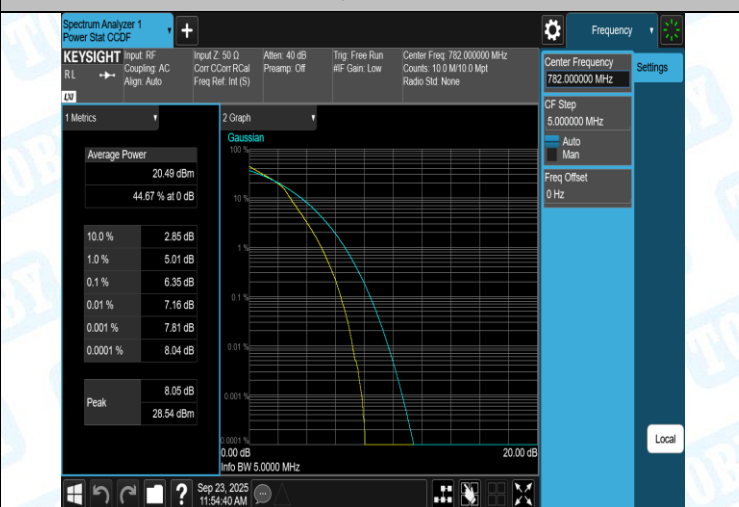
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.60	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.63	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	5.43	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.81	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	5.39	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.48	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.65	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.31	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	6.13	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.35	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	6.11	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.05	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	5.41	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.75	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.95	13	PASS

Test Graphs

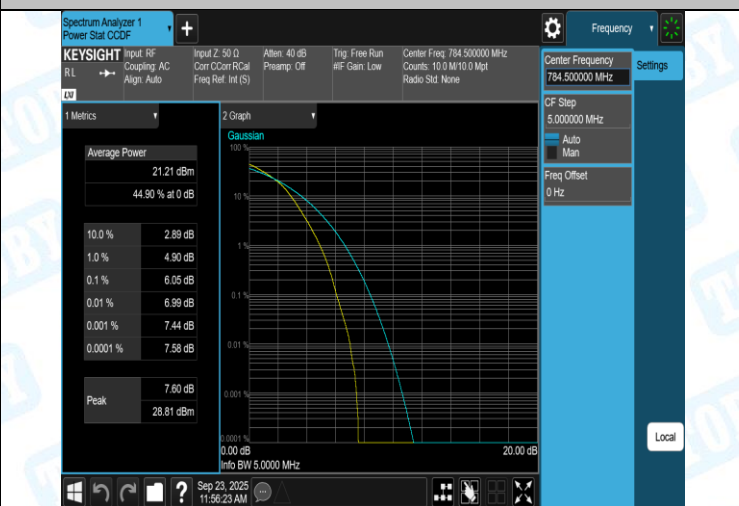




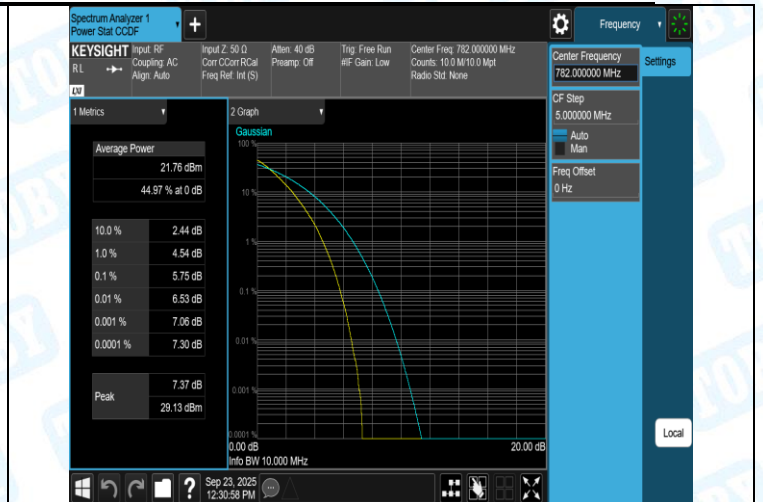
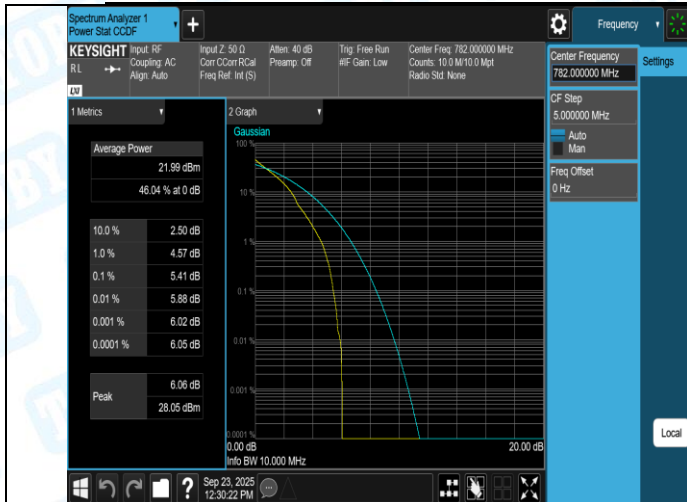
Band13-5MHz-16QAM-23230-25RB#0-PASS



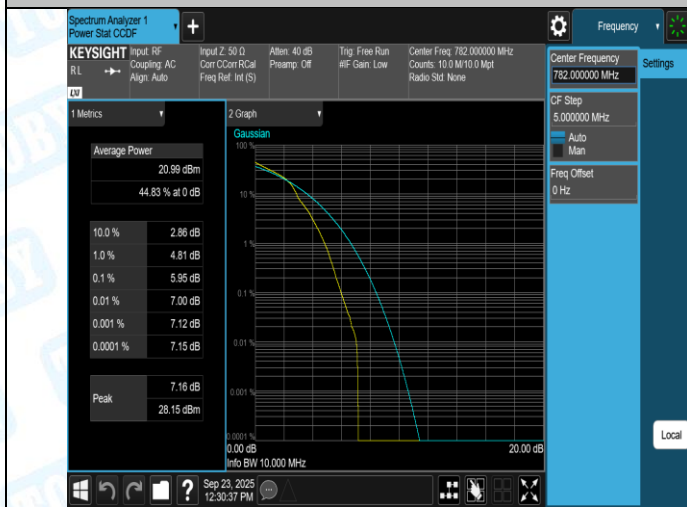
Band13-5MHz-16QAM-23255-25RB#0-PASS



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



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

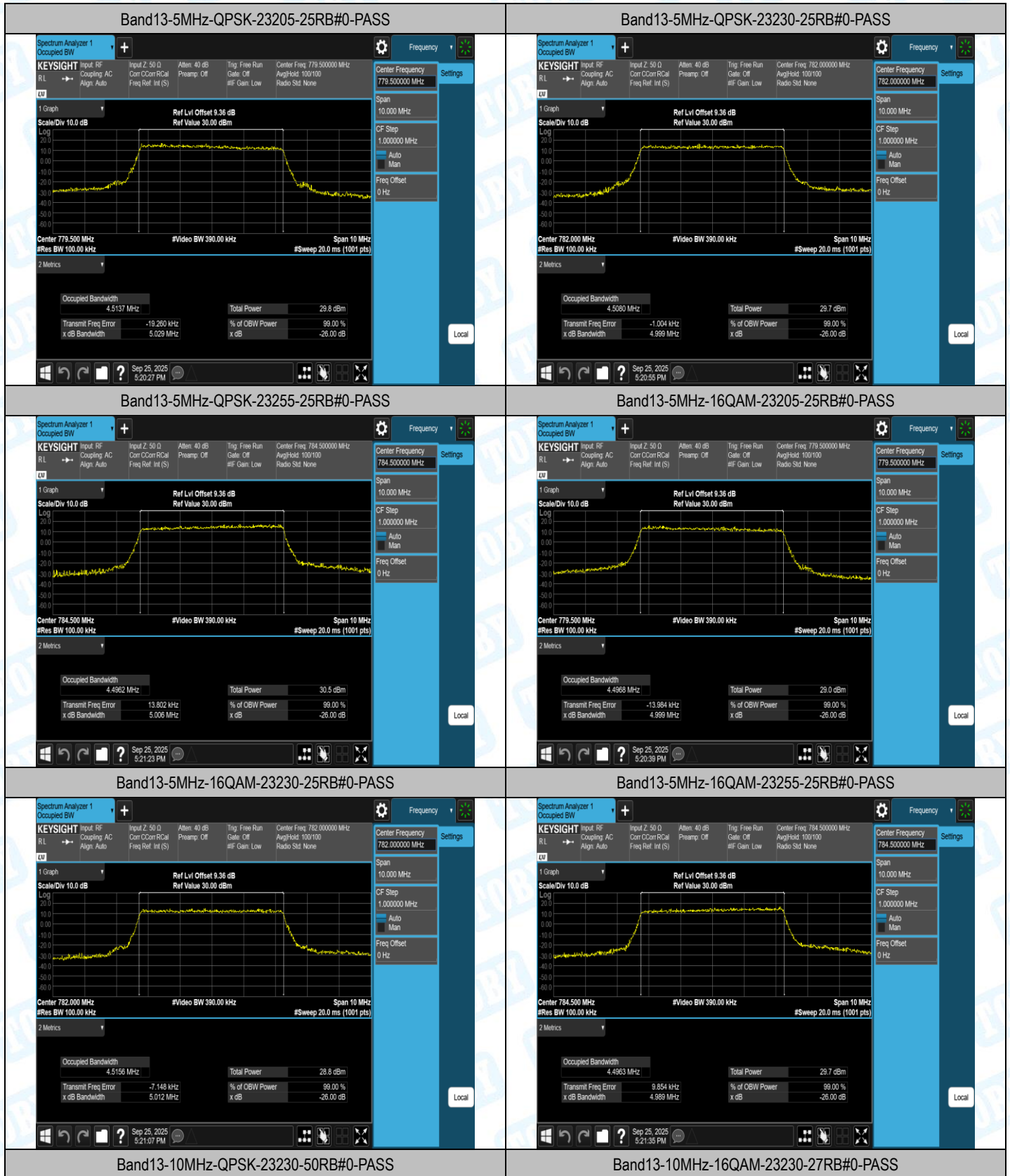


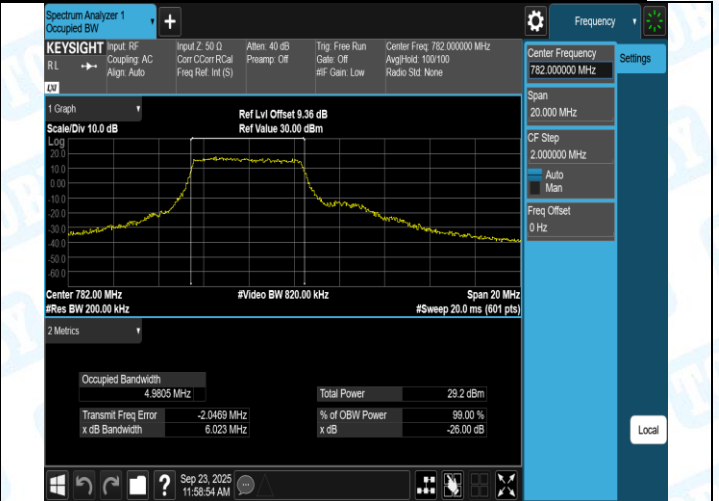
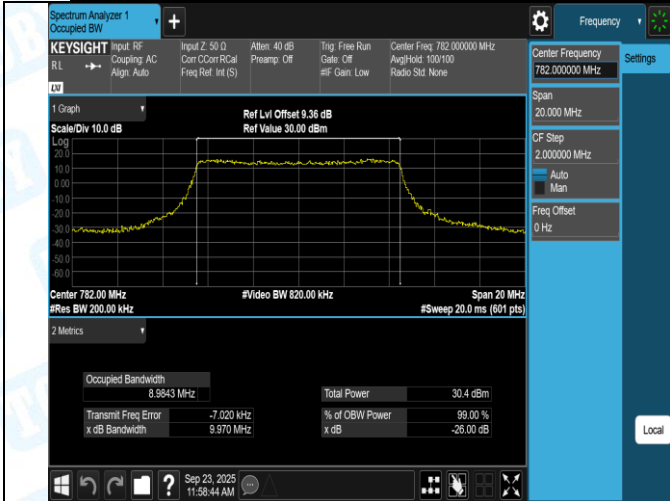
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5137	5.029	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5080	4.999	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4962	5.006	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4968	4.999	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5156	5.012	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4963	4.989	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9843	9.970	PASS
Band13	10MHz	16QAM	23230	27RB#0	4.9805	6.023	PASS

Test Graphs





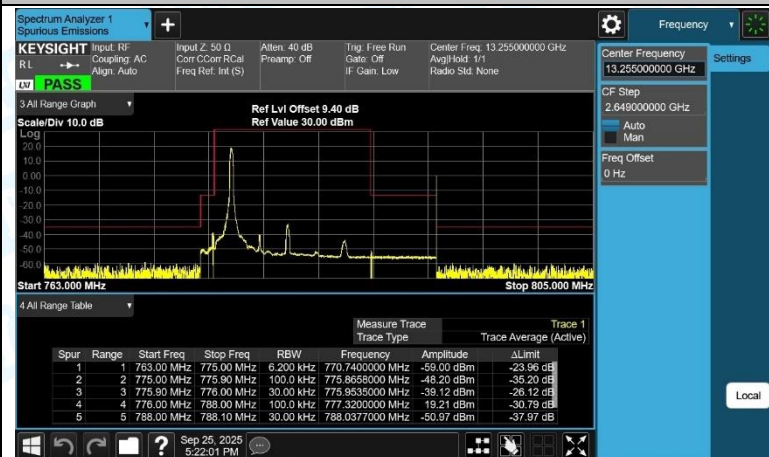
4: Band Edge

Test Result

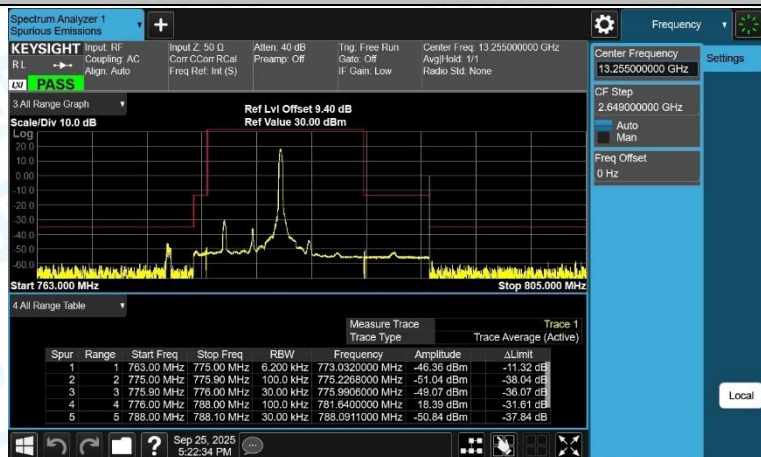
Band	Bandwidth	Modulation	Channel	RB Configuration	Level_dBm	Margin	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-59.00	24.00	PASS
Band13	5MHz	QPSK	23205	1RB#24	-46.36	11.36	PASS
Band13	5MHz	QPSK	23205	25RB#0	-45.20	10.20	PASS
Band13	5MHz	QPSK	23255	1RB#0	-58.86	23.86	PASS
Band13	5MHz	QPSK	23255	1RB#24	-57.72	22.72	PASS
Band13	5MHz	QPSK	23255	25RB#0	-53.12	18.12	PASS
Band13	5MHz	16QAM	23205	1RB#0	-58.31	23.31	PASS
Band13	5MHz	16QAM	23205	1RB#24	-44.85	9.85	PASS
Band13	5MHz	16QAM	23205	25RB#0	-46.44	11.44	PASS
Band13	5MHz	16QAM	23255	1RB#0	-59.11	24.11	PASS
Band13	5MHz	16QAM	23255	1RB#24	-57.89	22.89	PASS
Band13	5MHz	16QAM	23255	25RB#0	-31.50	18.50	PASS
Band13	10MHz	QPSK	23230	1RB#0	-56.55	21.55	PASS
Band13	10MHz	QPSK	23230	1RB#49	-57.96	22.96	PASS
Band13	10MHz	QPSK	23230	50RB#0	-51.81	16.81	PASS
Band13	10MHz	16QAM	23230	1RB#0	-54.34	19.34	PASS
Band13	10MHz	16QAM	23230	1RB#49	-58.14	23.14	PASS

Test Graphs

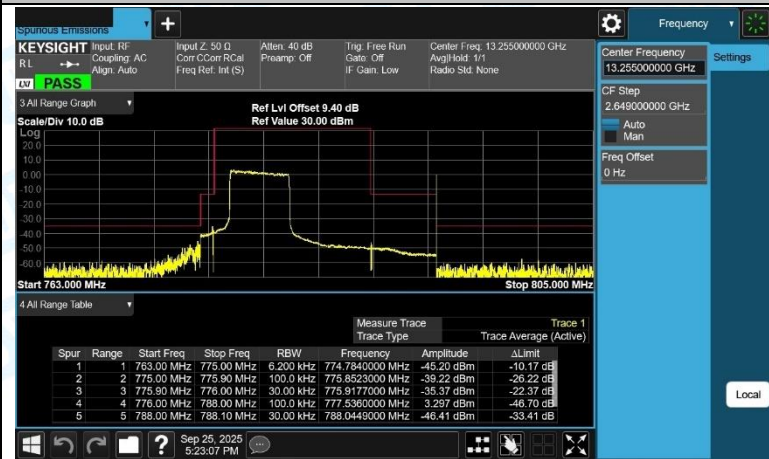
Band13-5MHz-QPSK-23205-1RB#0-PASS



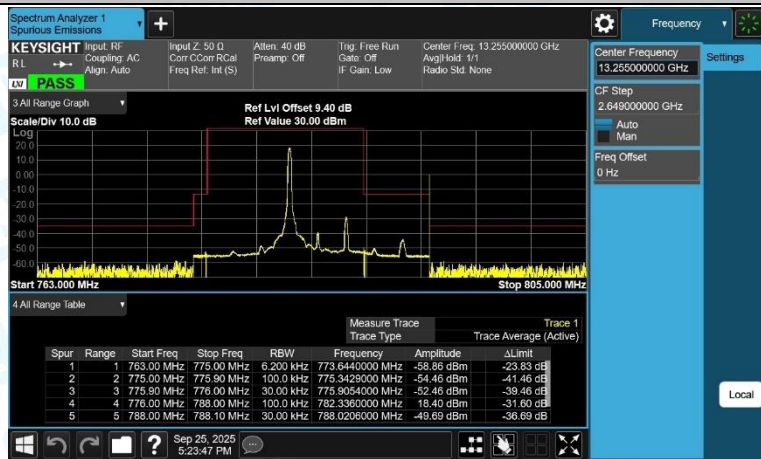
Band13-5MHz-QPSK-23205-1RB#24-PASS



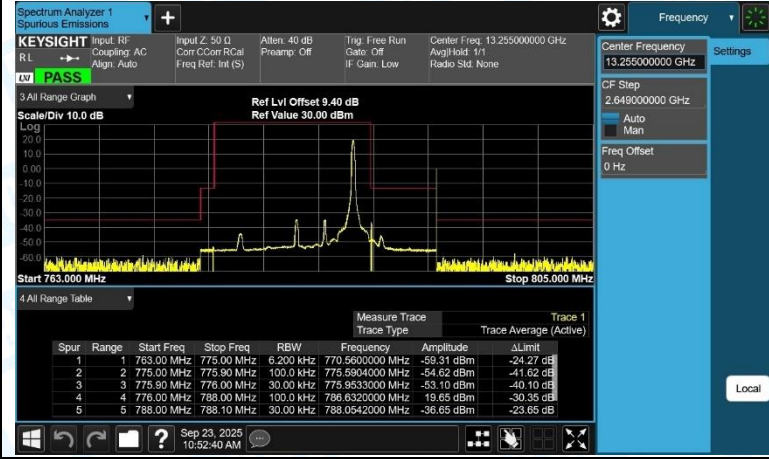
Band13-5MHz-QPSK-23205-25RB#0-PASS



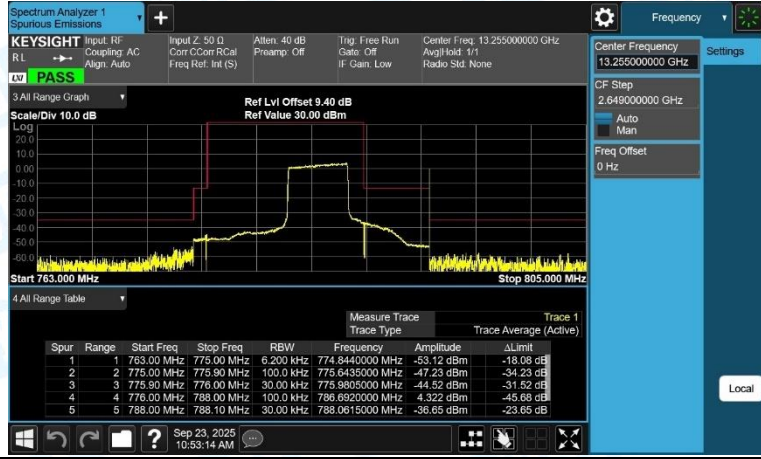
Band13-5MHz-QPSK-23255-1RB#0-PASS



Band13-5MHz-QPSK-23255-1RB#24-PASS

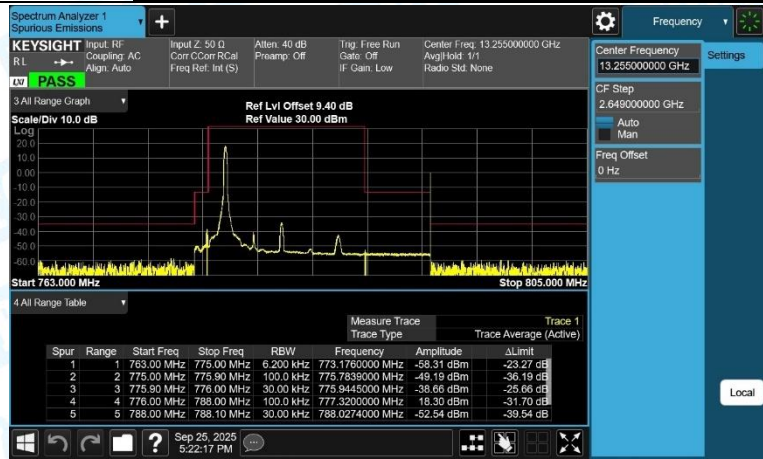


Band13-5MHz-QPSK-23255-25RB#0-PASS

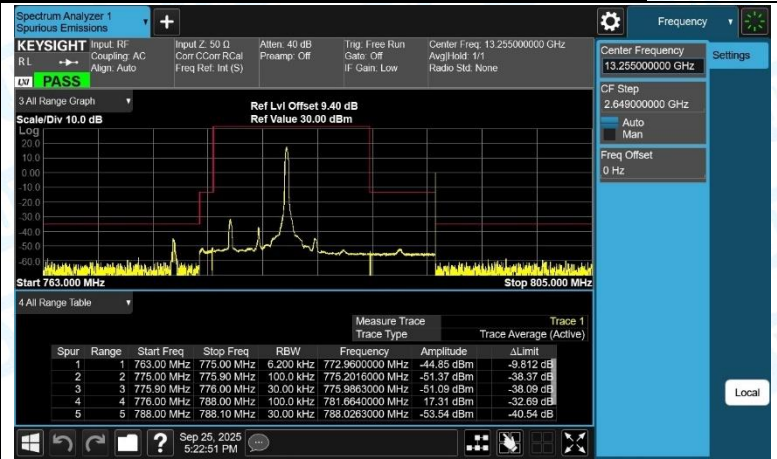


Band13-5MHz-16QAM-23205-1RB#0-PASS

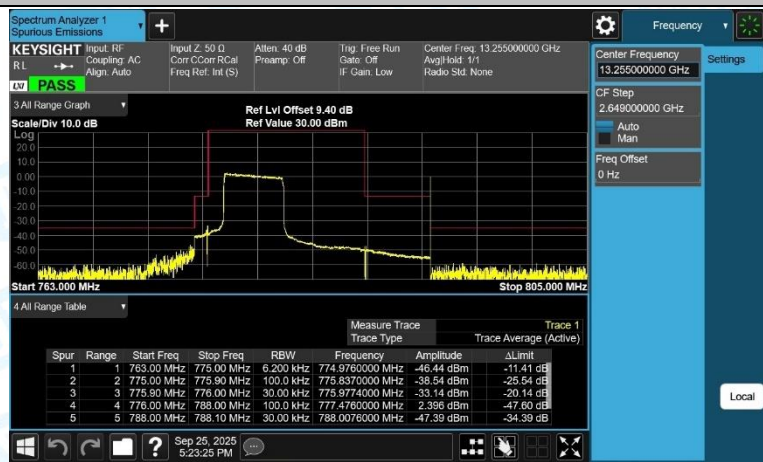
Band13-5MHz-16QAM-23205-1RB#24-PASS



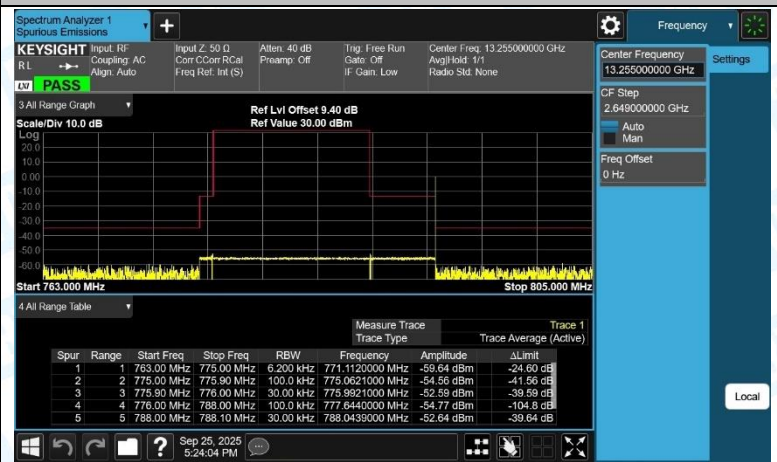
Band13-5MHz-16QAM-23205-25RB#0-PASS



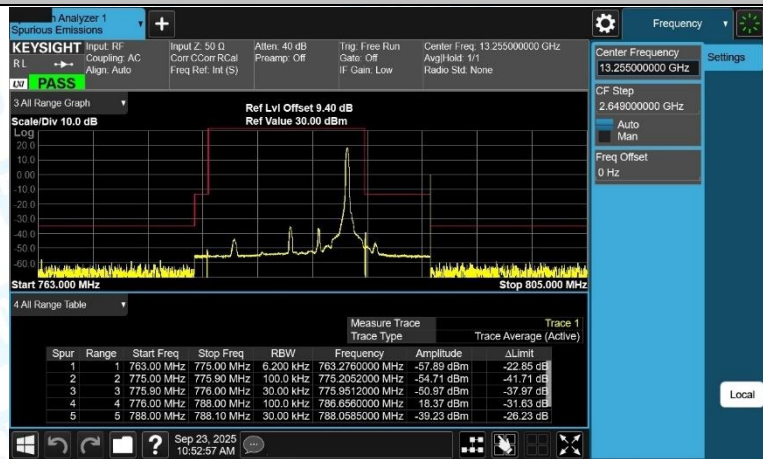
Band13-5MHz-16QAM-23255-1RB#0-PASS



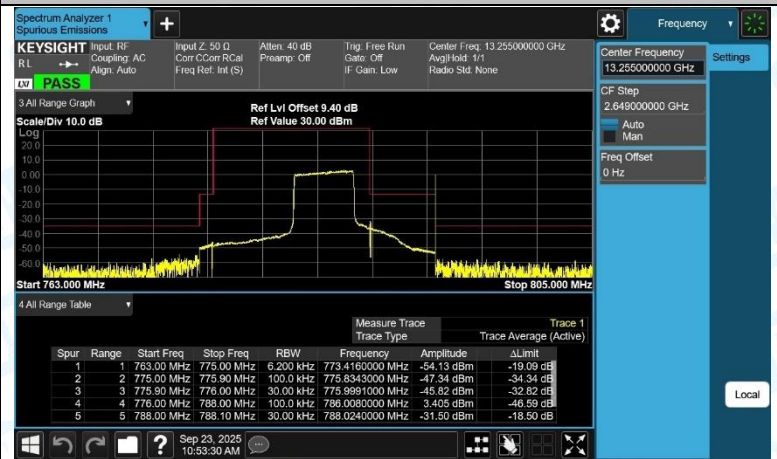
Band13-5MHz-16QAM-23255-1RB#24-PASS



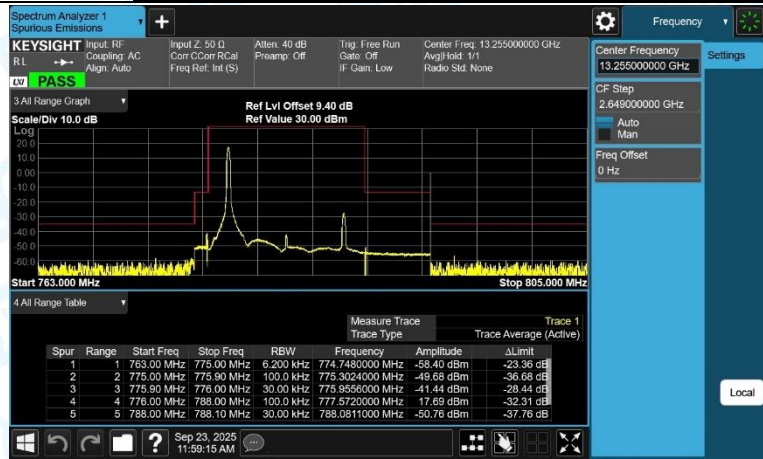
Band13-5MHz-16QAM-23255-25RB#0-PASS



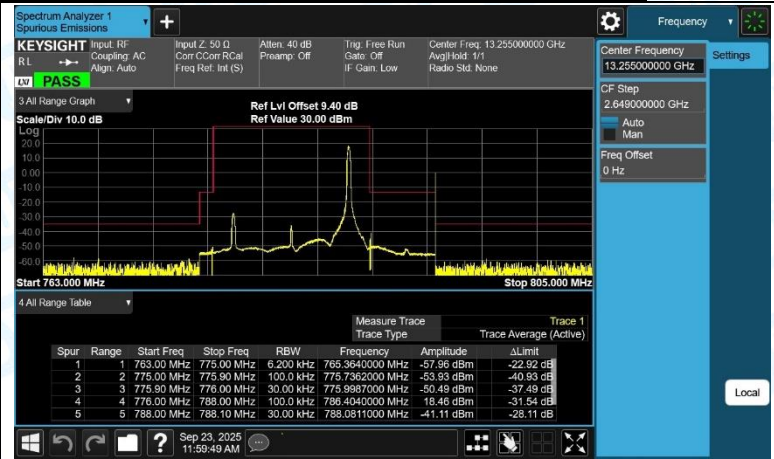
Band13-10MHz-QPSK-23230-1RB#0-PASS



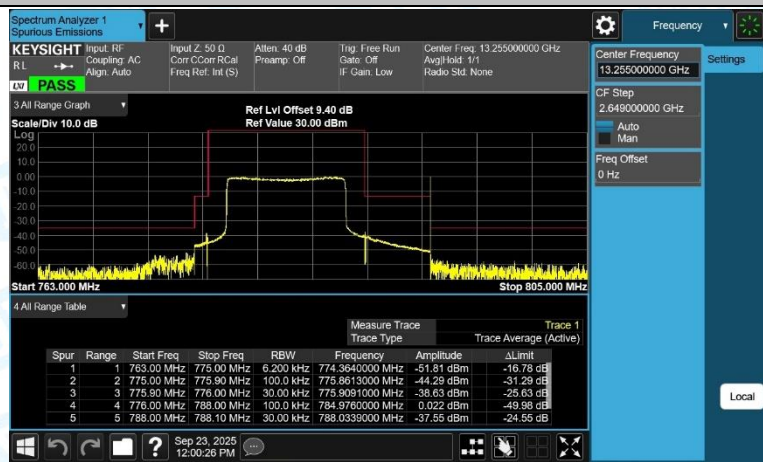
Band13-10MHz-QPSK-23230-1RB#49-PASS



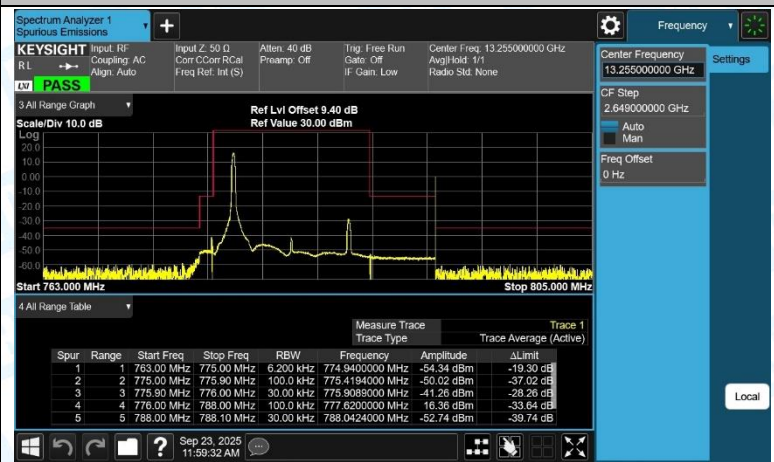
Band13-10MHz-QPSK-23230-50RB#0-PASS



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



Band13-10MHz-16QAM-23230-1RB#49-PASS



5: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Frequency	Value(dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	0.009~0.15	0.08	-61.62	-33.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	0.39	-60.09	-23.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	993.02	-57.11	-13.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	2332.00	-43.50	-13.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	3023.28	-36.89	-13.0	PASS
Band13	5MHz	QPSK	23205	1RB#24	0.009~0.15	0.02	-61.30	-33.0	PASS
Band13	5MHz	QPSK	23205	1RB#24	0.15~30	0.75	-59.73	-23.0	PASS
Band13	5MHz	QPSK	23205	1RB#24	30~1000	958.29	-57.15	-13.0	PASS
Band13	5MHz	QPSK	23205	1RB#24	1000~3000	2539.20	-44.06	-13.0	PASS
Band13	5MHz	QPSK	23205	1RB#24	3000~10000	6089.80	-36.89	-13.0	PASS
Band13	5MHz	QPSK	23205	25RB#0	0.009~0.15	0.09	-60.22	-33.0	PASS
Band13	5MHz	QPSK	23205	25RB#0	0.15~30	0.63	-60.18	-23.0	PASS
Band13	5MHz	QPSK	23205	25RB#0	30~1000	756.87	-57.39	-13.0	PASS
Band13	5MHz	QPSK	23205	25RB#0	1000~3000	2684.40	-44.45	-13.0	PASS
Band13	5MHz	QPSK	23205	25RB#0	3000~10000	3172.73	-36.88	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	0.14	-60.78	-33.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	0.69	-60.40	-23.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	861.00	-57.13	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	2680.40	-44.33	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	3173.43	-37.08	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#24	0.009~0.15	0.15	-61.12	-33.0	PASS
Band13	5MHz	QPSK	23230	1RB#24	0.15~30	0.63	-60.82	-23.0	PASS
Band13	5MHz	QPSK	23230	1RB#24	30~1000	871.18	-56.99	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#24	1000~3000	2705.00	-44.42	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#24	3000~10000	3181.65	-37.15	-13.0	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.009~0.15	0.02	-60.65	-33.0	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.15~30	0.42	-60.15	-23.0	PASS
Band13	5MHz	QPSK	23230	25RB#0	30~1000	880.50	-57.92	-13.0	PASS
Band13	5MHz	QPSK	23230	25RB#0	1000~3000	2686.60	-44.13	-13.0	PASS
Band13	5MHz	QPSK	23230	25RB#0	3000~10000	3294.00	-36.76	-13.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	0.11	-60.71	-33.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	0.57	-59.69	-23.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	987.39	-56.43	-13.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	2686.80	-44.32	-13.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	3187.08	-37.01	-13.0	PASS
Band13	5MHz	QPSK	23255	1RB#24	0.009~0.15	0.06	-61.09	-33.0	PASS
Band13	5MHz	QPSK	23255	1RB#24	0.15~30	0.69	-60.98	-23.0	PASS
Band13	5MHz	QPSK	23255	1RB#24	30~1000	824.43	-56.56	-13.0	PASS