

Appendix for Band 40(2350-2360MHz)

Product Name: Rugged Phone

Model No: MDT661

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40	5MHz	QPSK	39175	1RB#0	23.66	PASS
Band40	5MHz	QPSK	39175	1RB#12	23.81	PASS
Band40	5MHz	QPSK	39175	1RB#24	23.61	PASS
Band40	5MHz	QPSK	39175	12RB#0	22.62	PASS
Band40	5MHz	QPSK	39175	12RB#6	22.61	PASS
Band40	5MHz	QPSK	39175	12RB#13	22.57	PASS
Band40	5MHz	QPSK	39175	25RB#0	22.61	PASS
Band40	5MHz	QPSK	39200	1RB#0	23.59	PASS
Band40	5MHz	QPSK	39200	1RB#12	23.72	PASS
Band40	5MHz	QPSK	39200	1RB#24	23.58	PASS
Band40	5MHz	QPSK	39200	12RB#0	22.60	PASS
Band40	5MHz	QPSK	39200	12RB#6	22.59	PASS
Band40	5MHz	QPSK	39200	12RB#13	22.56	PASS
Band40	5MHz	QPSK	39200	25RB#0	22.59	PASS
Band40	5MHz	QPSK	39225	1RB#0	23.64	PASS
Band40	5MHz	QPSK	39225	1RB#12	23.78	PASS
Band40	5MHz	QPSK	39225	1RB#24	23.64	PASS
Band40	5MHz	QPSK	39225	12RB#0	22.57	PASS
Band40	5MHz	QPSK	39225	12RB#6	22.60	PASS
Band40	5MHz	QPSK	39225	12RB#13	22.58	PASS
Band40	5MHz	QPSK	39225	25RB#0	22.60	PASS
Band40	5MHz	16QAM	39175	1RB#0	22.56	PASS
Band40	5MHz	16QAM	39175	1RB#12	22.67	PASS
Band40	5MHz	16QAM	39175	1RB#24	22.52	PASS
Band40	5MHz	16QAM	39175	12RB#0	21.57	PASS
Band40	5MHz	16QAM	39175	12RB#6	21.61	PASS
Band40	5MHz	16QAM	39175	12RB#13	21.58	PASS
Band40	5MHz	16QAM	39175	25RB#0	21.60	PASS
Band40	5MHz	16QAM	39200	1RB#0	22.58	PASS
Band40	5MHz	16QAM	39200	1RB#12	22.69	PASS
Band40	5MHz	16QAM	39200	1RB#24	22.58	PASS

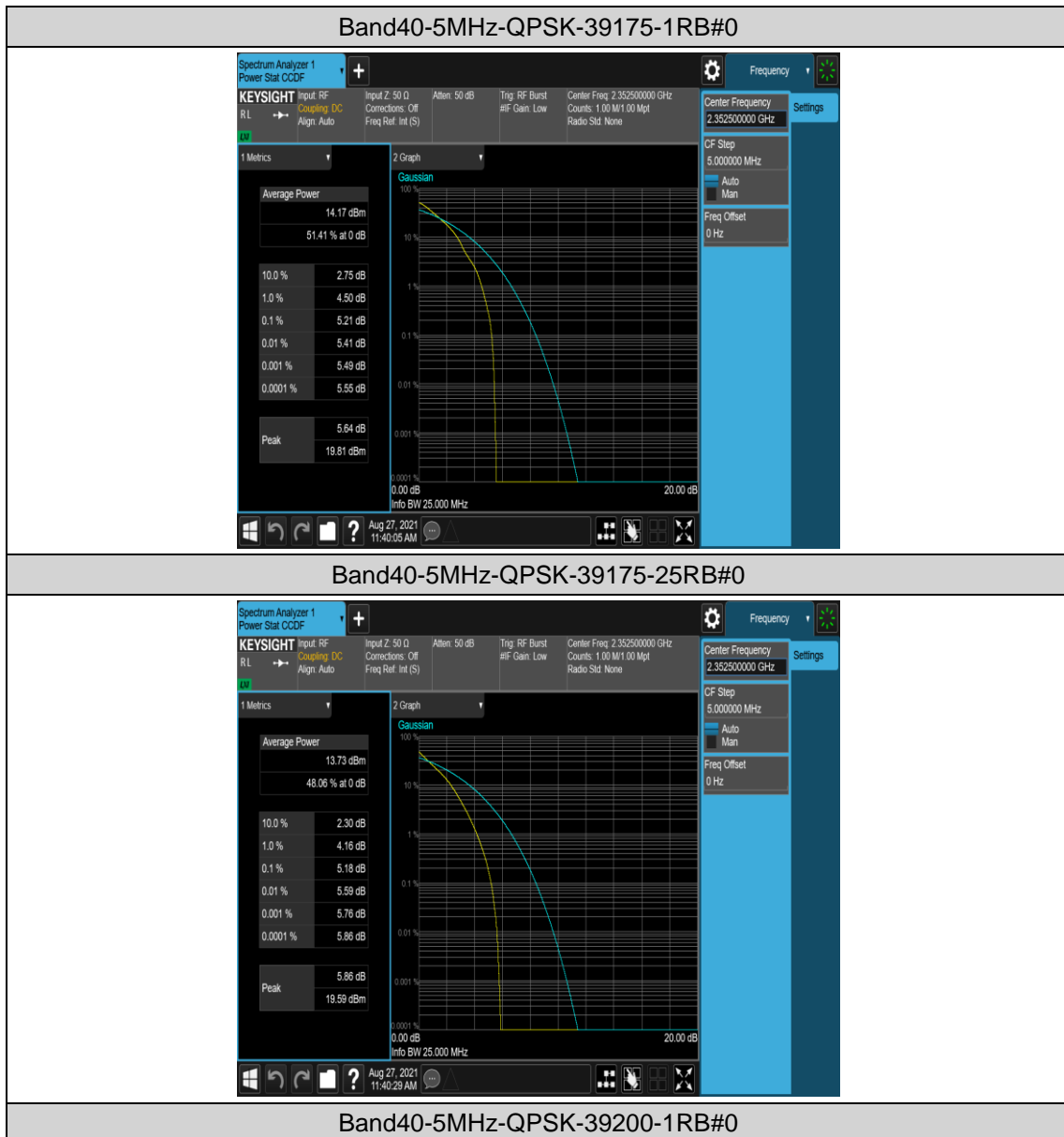
Band40	5MHz	16QAM	39200	12RB#0	21.60	PASS
Band40	5MHz	16QAM	39200	12RB#6	21.61	PASS
Band40	5MHz	16QAM	39200	12RB#13	21.57	PASS
Band40	5MHz	16QAM	39200	25RB#0	21.59	PASS
Band40	5MHz	16QAM	39225	1RB#0	22.47	PASS
Band40	5MHz	16QAM	39225	1RB#12	22.61	PASS
Band40	5MHz	16QAM	39225	1RB#24	22.49	PASS
Band40	5MHz	16QAM	39225	12RB#0	21.58	PASS
Band40	5MHz	16QAM	39225	12RB#6	21.62	PASS
Band40	5MHz	16QAM	39225	12RB#13	21.63	PASS
Band40	5MHz	16QAM	39225	25RB#0	21.66	PASS
Band40	10MHz	QPSK	39200	1RB#0	23.74	PASS
Band40	10MHz	QPSK	39200	1RB#24	23.95	PASS
Band40	10MHz	QPSK	39200	1RB#49	23.73	PASS
Band40	10MHz	QPSK	39200	25RB#0	22.60	PASS
Band40	10MHz	QPSK	39200	25RB#12	22.59	PASS
Band40	10MHz	QPSK	39200	25RB#25	22.61	PASS
Band40	10MHz	QPSK	39200	50RB#0	22.61	PASS
Band40	10MHz	16QAM	39200	1RB#0	22.50	PASS
Band40	10MHz	16QAM	39200	1RB#24	22.73	PASS
Band40	10MHz	16QAM	39200	1RB#49	22.48	PASS
Band40	10MHz	16QAM	39200	25RB#0	21.62	PASS
Band40	10MHz	16QAM	39200	25RB#12	21.61	PASS
Band40	10MHz	16QAM	39200	25RB#25	21.66	PASS
Band40	10MHz	16QAM	39200	50RB#0	21.64	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band40	5MHz	QPSK	39175	1RB#0	5.21	13	PASS
Band40	5MHz	QPSK	39175	25RB#0	5.18	13	PASS
Band40	5MHz	QPSK	39200	1RB#0	5.32	13	PASS
Band40	5MHz	QPSK	39200	25RB#0	5.16	13	PASS
Band40	5MHz	QPSK	39225	1RB#0	4.83	13	PASS
Band40	5MHz	QPSK	39225	25RB#0	5.17	13	PASS
Band40	5MHz	16QAM	39175	1RB#0	6.01	13	PASS
Band40	5MHz	16QAM	39175	25RB#0	5.85	13	PASS
Band40	5MHz	16QAM	39200	1RB#0	5.73	13	PASS
Band40	5MHz	16QAM	39200	25RB#0	5.81	13	PASS
Band40	5MHz	16QAM	39225	1RB#0	5.47	13	PASS
Band40	5MHz	16QAM	39225	25RB#0	5.85	13	PASS
Band40	10MHz	QPSK	39200	1RB#0	5.38	13	PASS
Band40	10MHz	QPSK	39200	50RB#0	5.14	13	PASS
Band40	10MHz	16QAM	39200	1RB#0	6.03	13	PASS
Band40	10MHz	16QAM	39200	50RB#0	5.86	13	PASS

Test Graphs

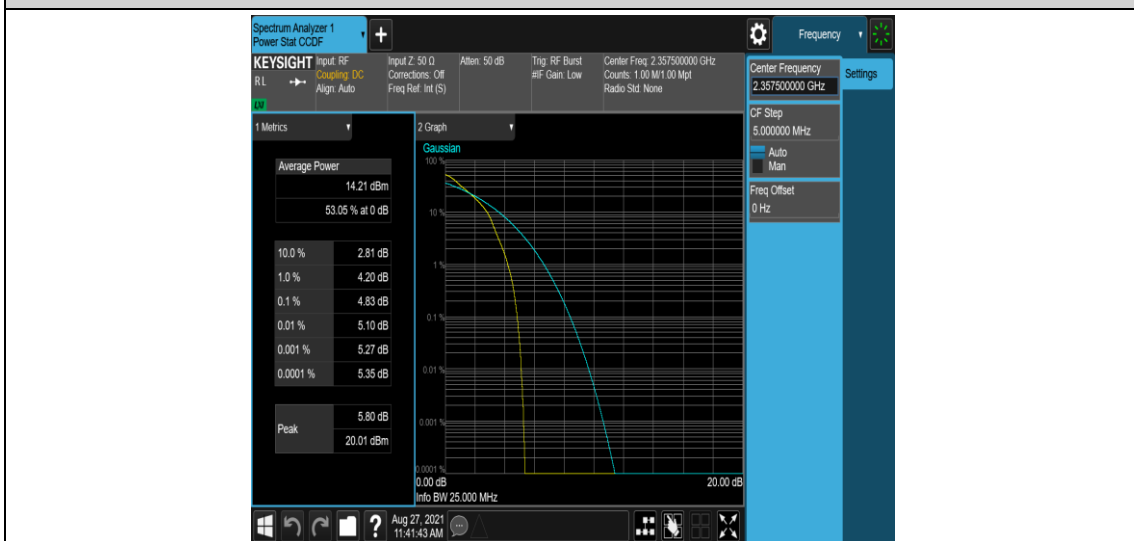




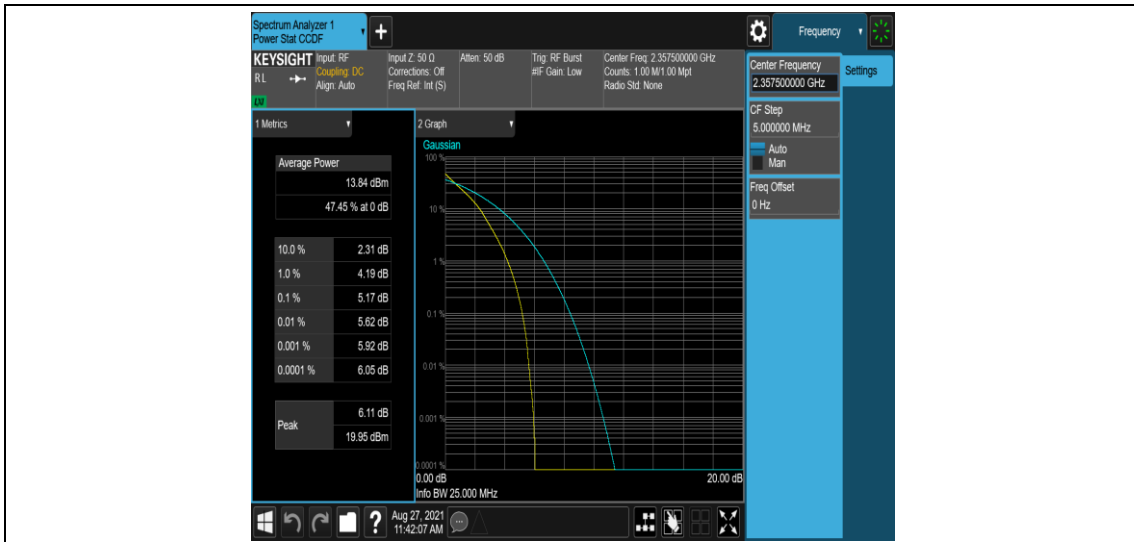
Band40-5MHz-QPSK-39200-25RB#0



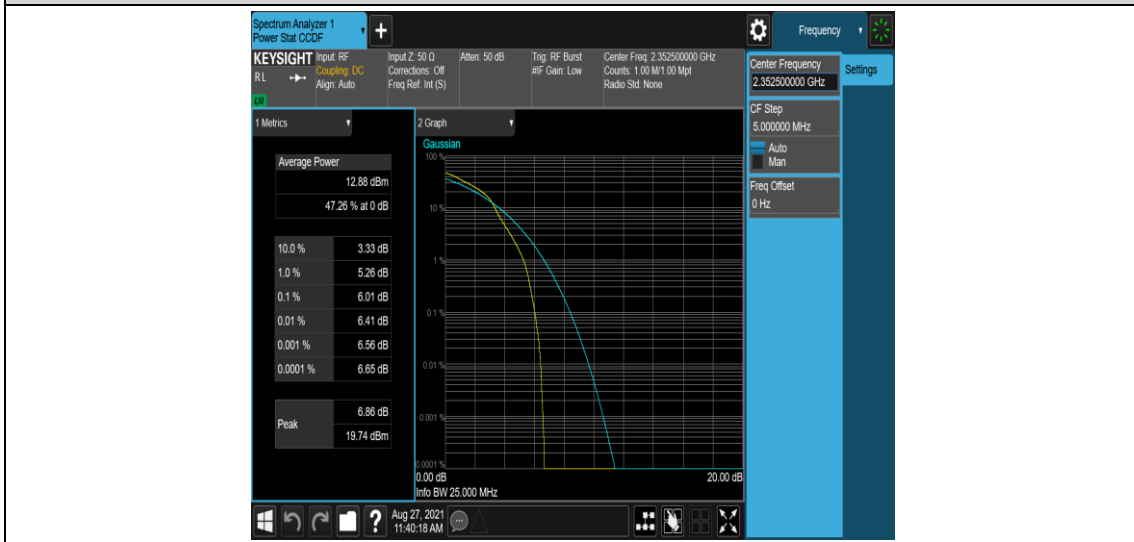
Band40-5MHz-QPSK-39225-1RB#0



Band40-5MHz-QPSK-39225-25RB#0



Band40-5MHz-16QAM-39175-1RB#0



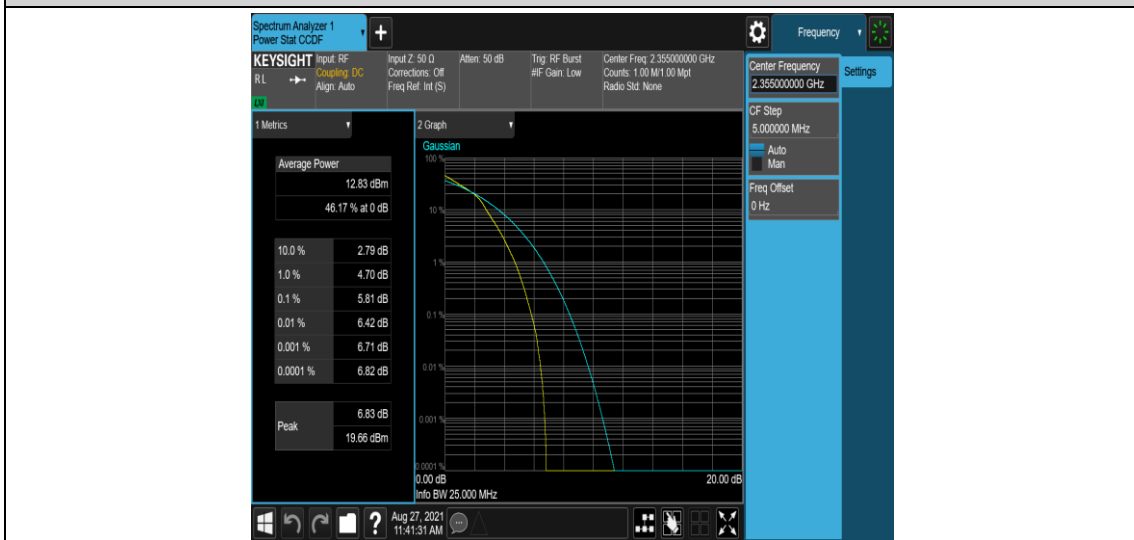
Band40-5MHz-16QAM-39175-25RB#0



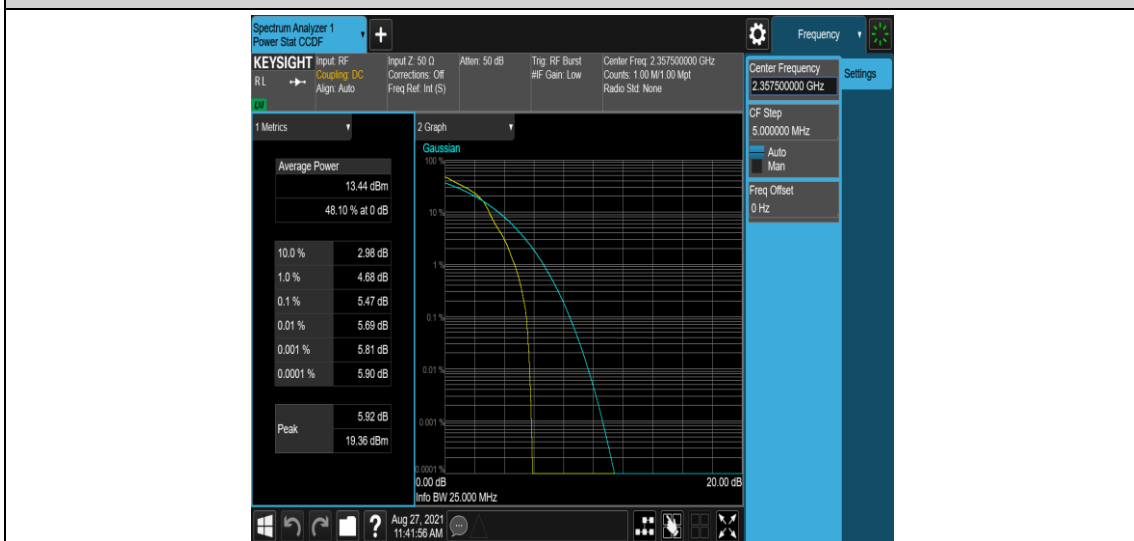
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Band40-5MHz-16QAM-39200-25RB#0



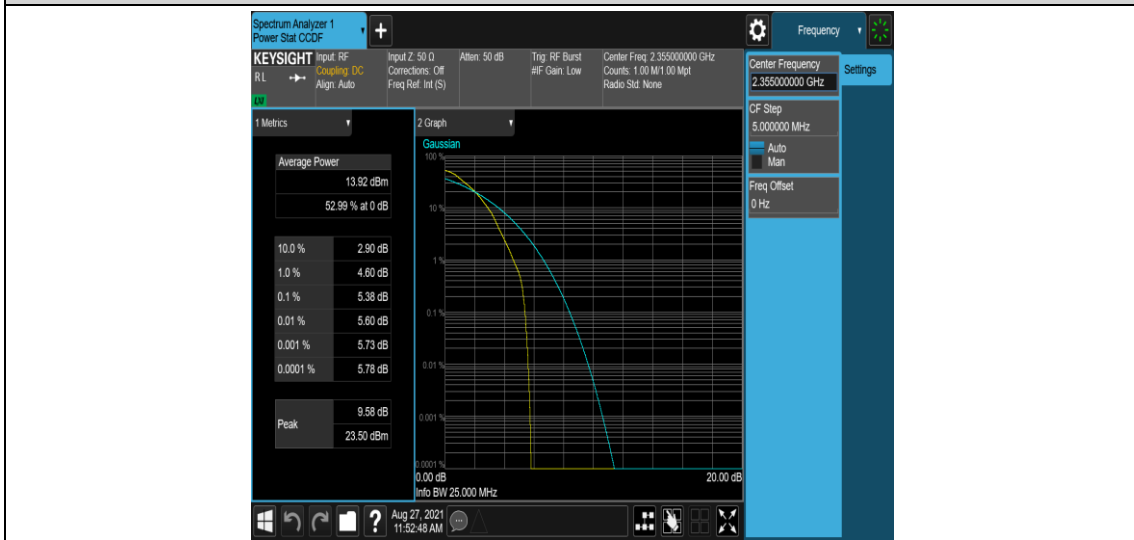
Band40-5MHz-16QAM-39225-1RB#0



Band40-5MHz-16QAM-39225-25RB#0



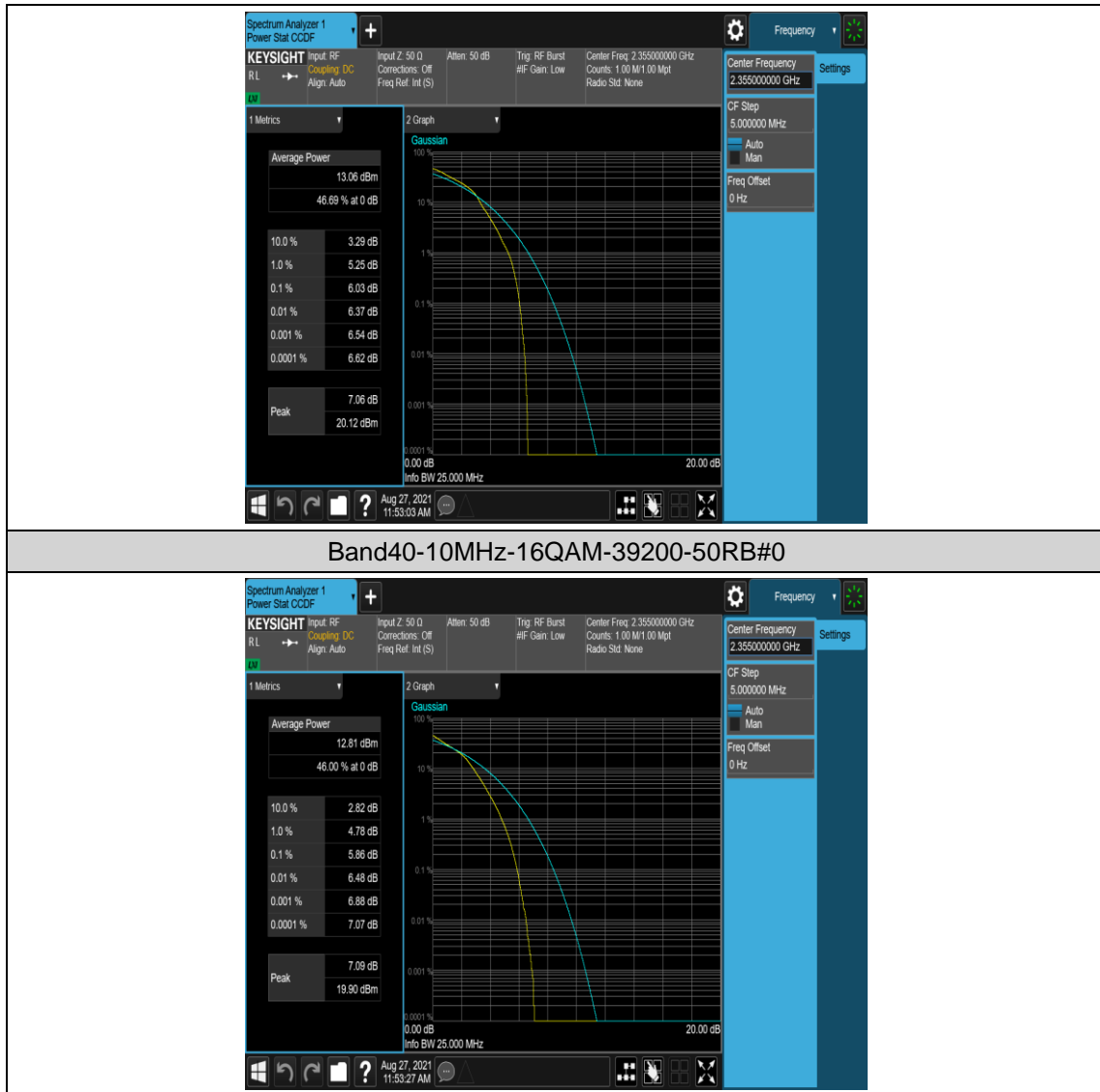
Band40-10MHz-QPSK-39200-1RB#0



Band40-10MHz-QPSK-39200-50RB#0



Band40-10MHz-16QAM-39200-1RB#0

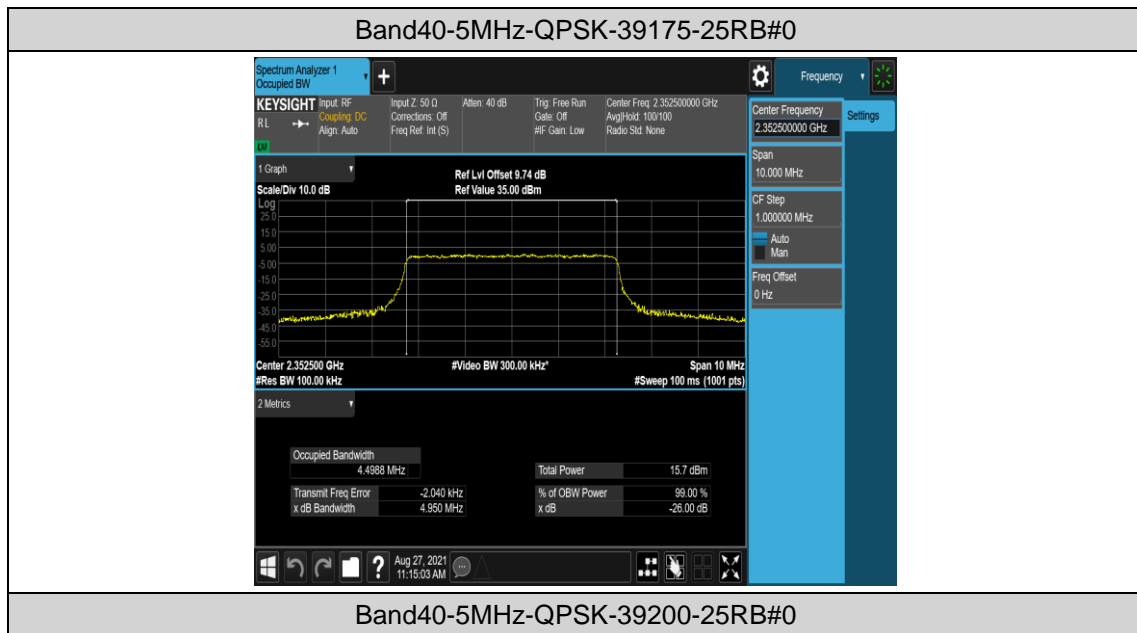


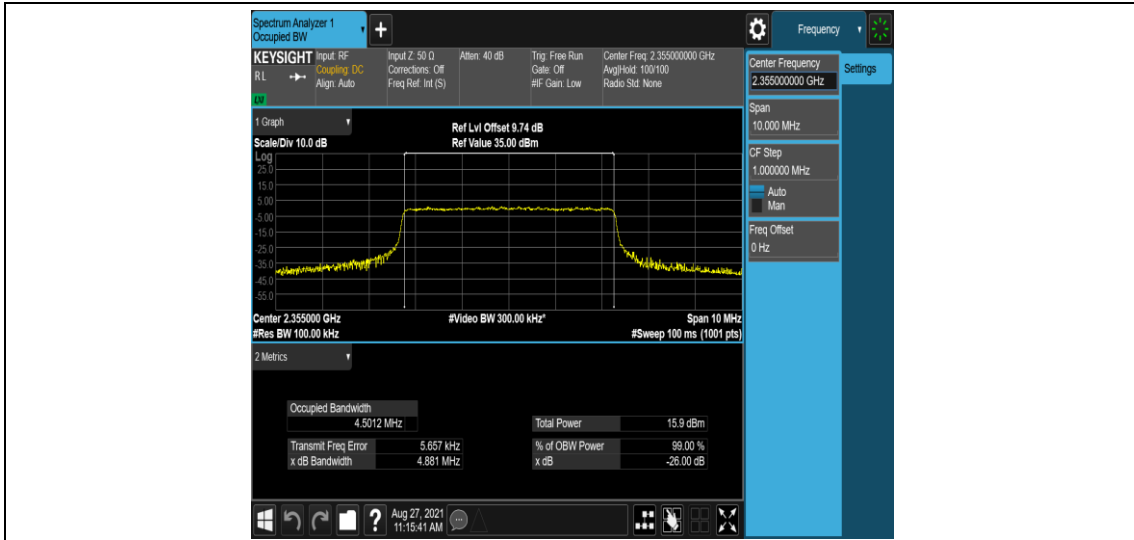
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

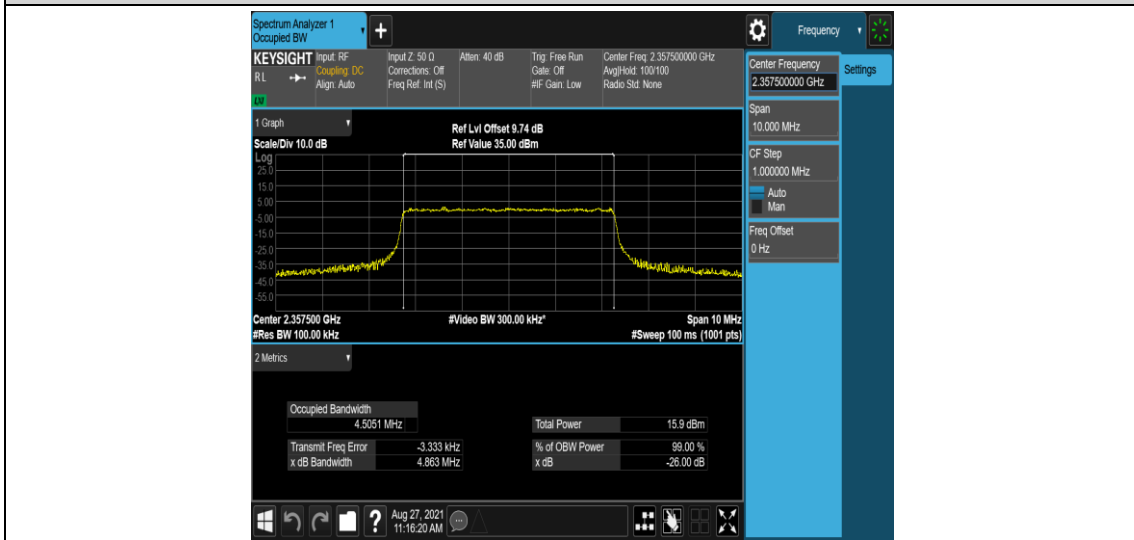
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band40	5MHz	QPSK	39175	25RB#0	4.4988	4.950	PASS
Band40	5MHz	QPSK	39200	25RB#0	4.5012	4.881	PASS
Band40	5MHz	QPSK	39225	25RB#0	4.5051	4.863	PASS
Band40	5MHz	16QAM	39175	25RB#0	4.4929	4.960	PASS
Band40	5MHz	16QAM	39200	25RB#0	4.5058	4.877	PASS
Band40	5MHz	16QAM	39225	25RB#0	4.4939	4.901	PASS
Band40	10MHz	QPSK	39200	50RB#0	8.9761	9.524	PASS
Band40	10MHz	16QAM	39200	50RB#0	8.9615	9.523	PASS

Test Graphs

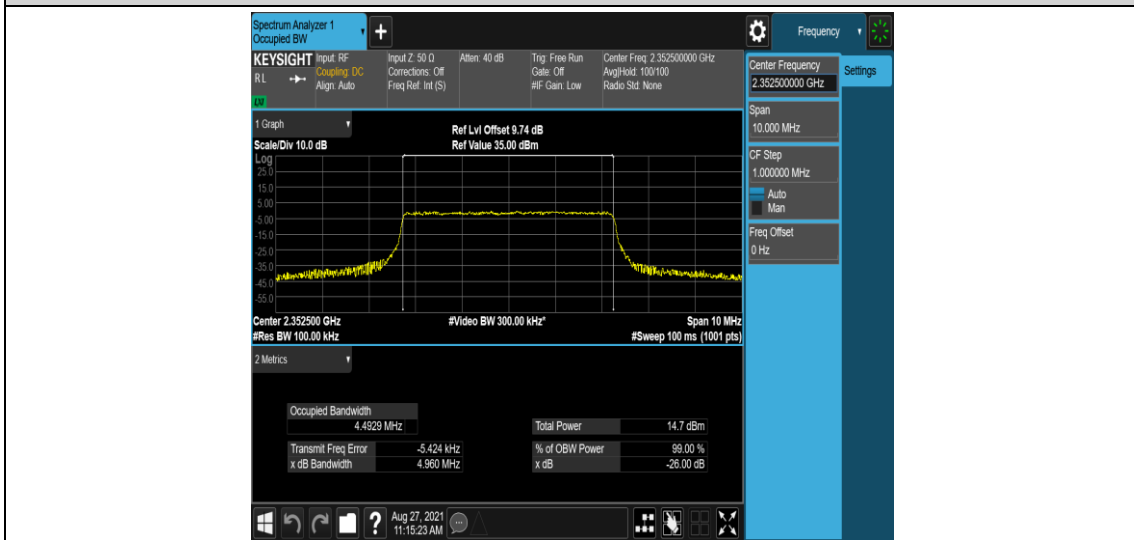




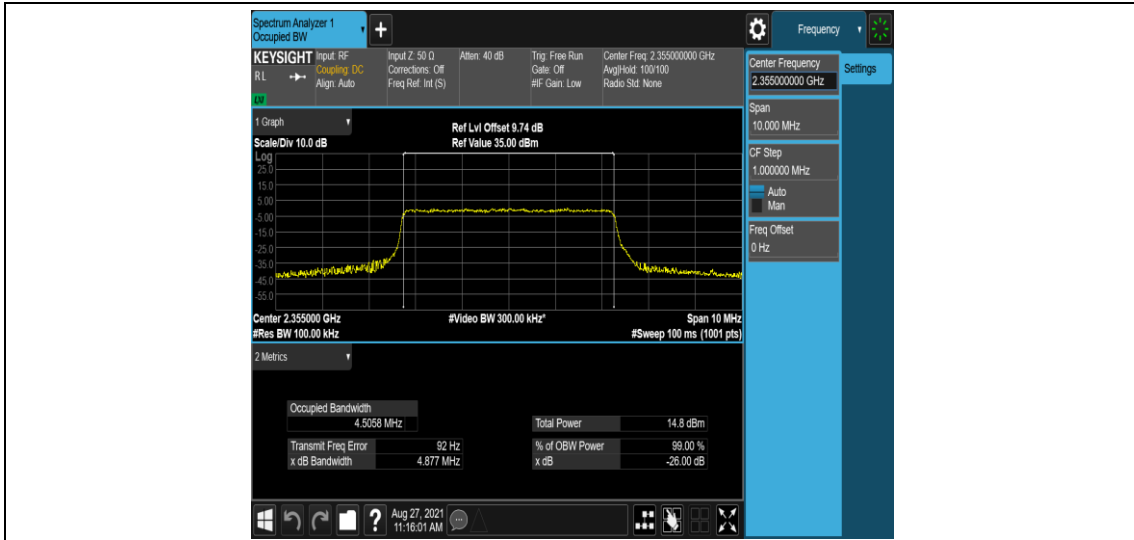
Band40-5MHz-QPSK-39225-25RB#0



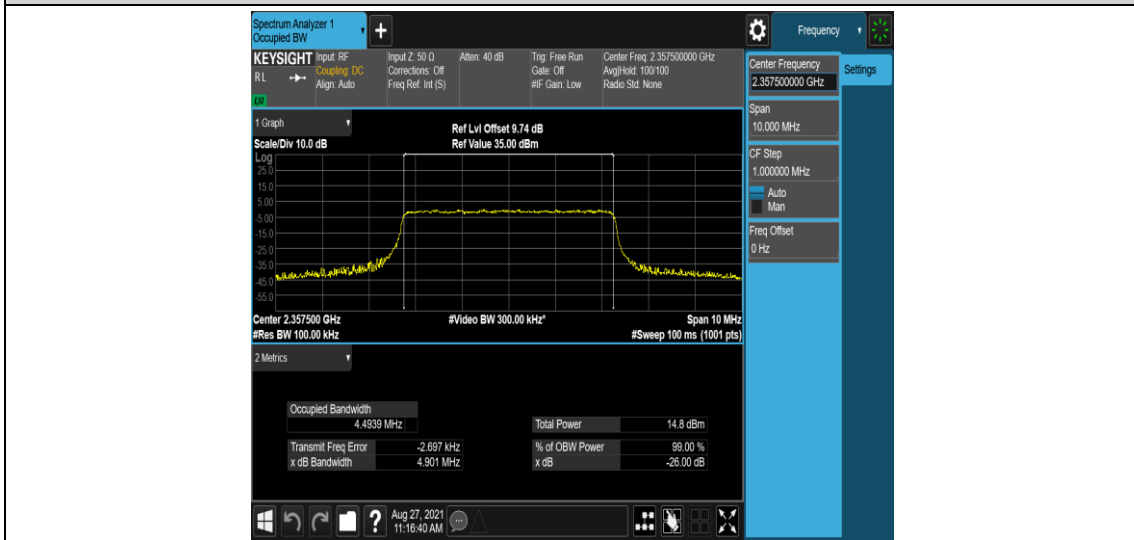
Band40-5MHz-16QAM-39175-25RB#0



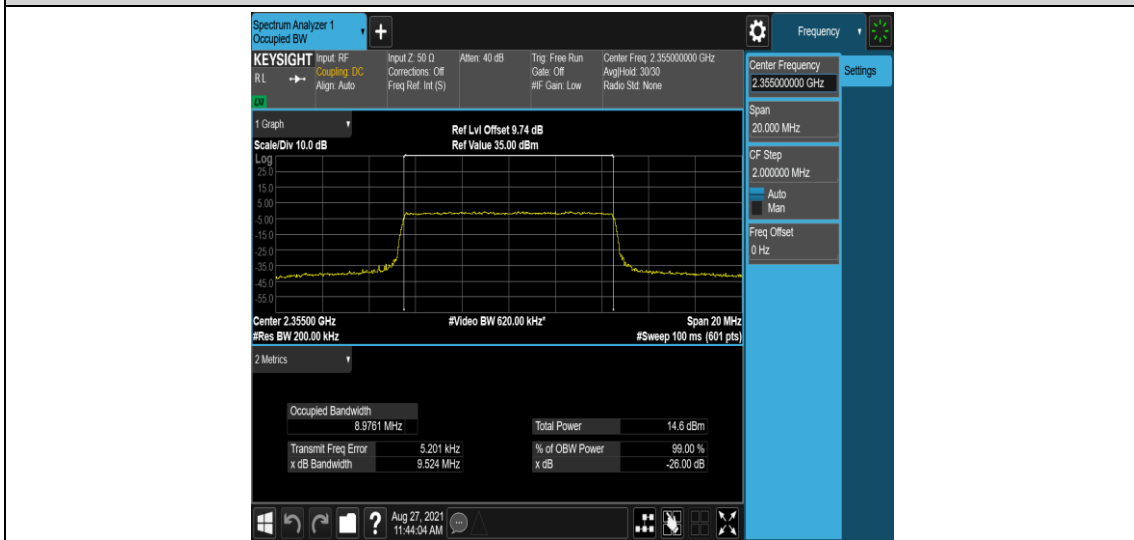
Band40-5MHz-16QAM-39200-25RB#0



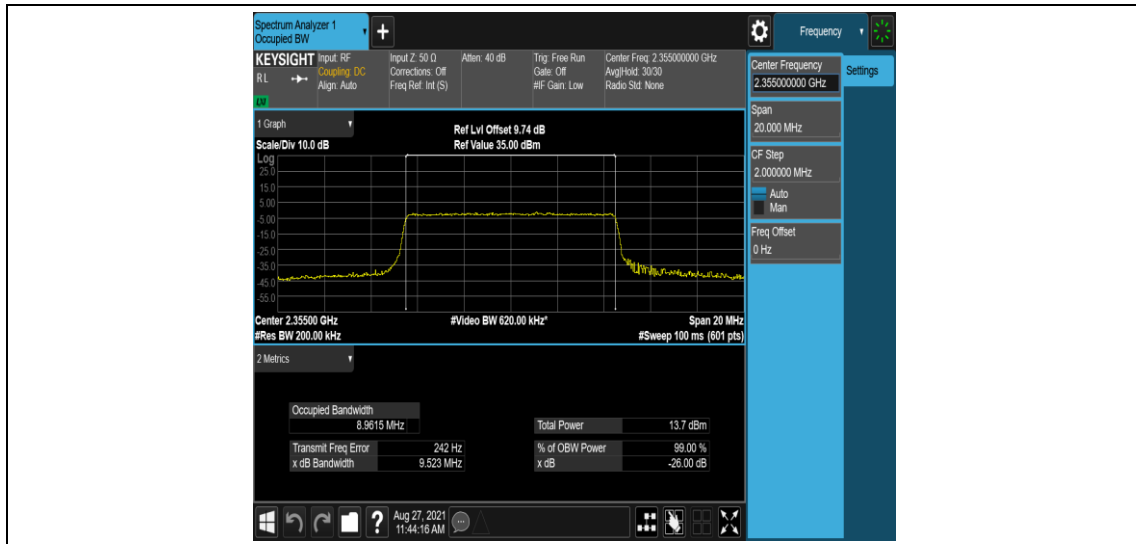
Band40-5MHz-16QAM-39225-25RB#0



Band40-10MHz-QPSK-39200-50RB#0



Band40-10MHz-16QAM-39200-50RB#0

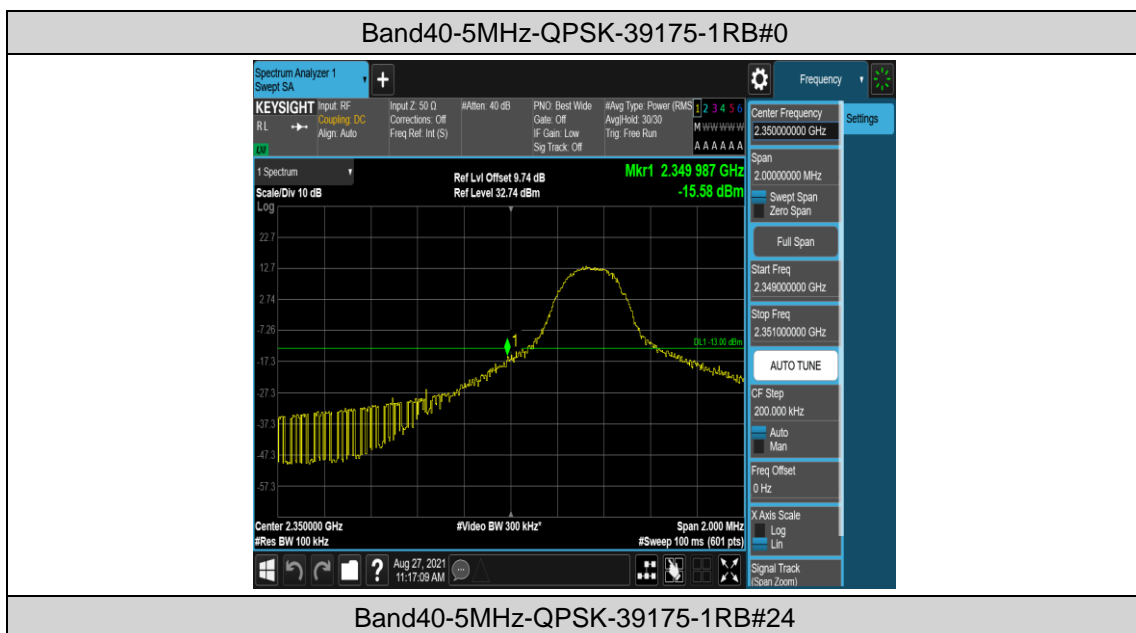


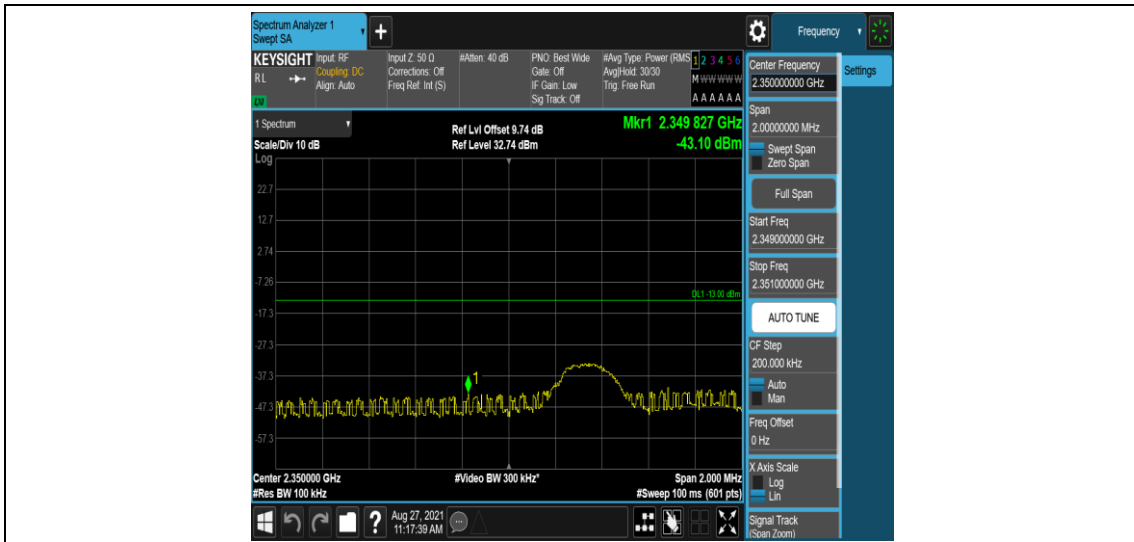
Appendix D: Band Edge

Test Result

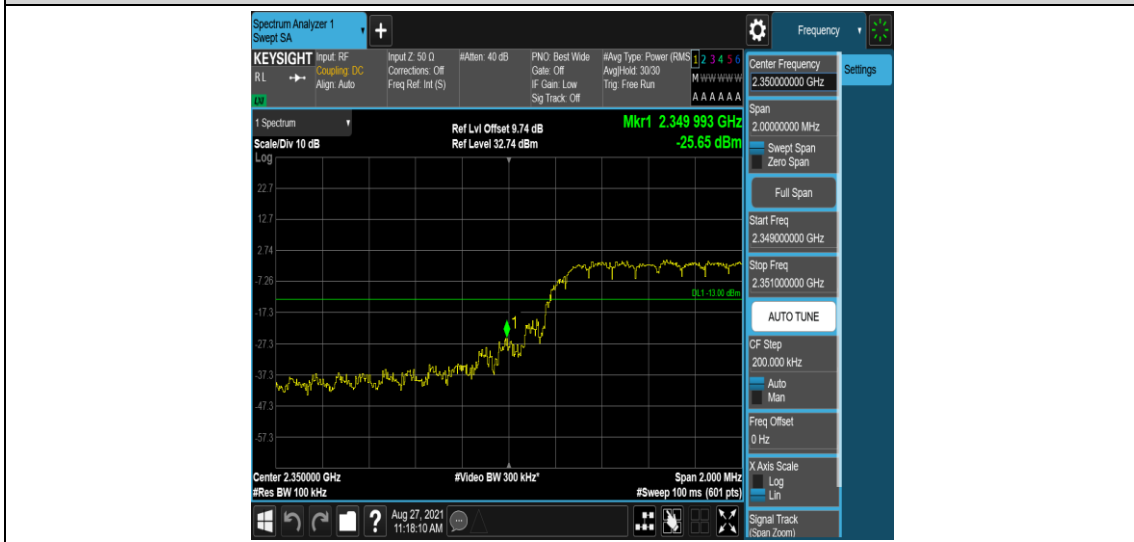
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40	5MHz	QPSK	39175	1RB#0	-15.58	PASS
Band40	5MHz	QPSK	39175	1RB#24	-43.10	PASS
Band40	5MHz	QPSK	39175	25RB#0	-25.65	PASS
Band40	5MHz	QPSK	39225	1RB#0	-43.41	PASS
Band40	5MHz	QPSK	39225	1RB#24	-15.59	PASS
Band40	5MHz	QPSK	39225	25RB#0	-28.49	PASS
Band40	5MHz	16QAM	39175	1RB#0	-14.84	PASS
Band40	5MHz	16QAM	39175	1RB#24	-43.60	PASS
Band40	5MHz	16QAM	39175	25RB#0	-28.28	PASS
Band40	5MHz	16QAM	39225	1RB#0	-42.32	PASS
Band40	5MHz	16QAM	39225	1RB#24	-16.67	PASS
Band40	5MHz	16QAM	39225	25RB#0	-28.74	PASS
Band40	10MHz	QPSK	39200	1RB#0	-16.99,-43.55	PASS
Band40	10MHz	QPSK	39200	1RB#49	-44.03,-20.68	PASS
Band40	10MHz	QPSK	39200	50RB#0	-31.30,-33.20	PASS
Band40	10MHz	16QAM	39200	1RB#0	-18.15,-43.85	PASS
Band40	10MHz	16QAM	39200	1RB#49	-43.51,-19.14	PASS
Band40	10MHz	16QAM	39200	50RB#0	-34.33,-33.15	PASS

Test Graphs

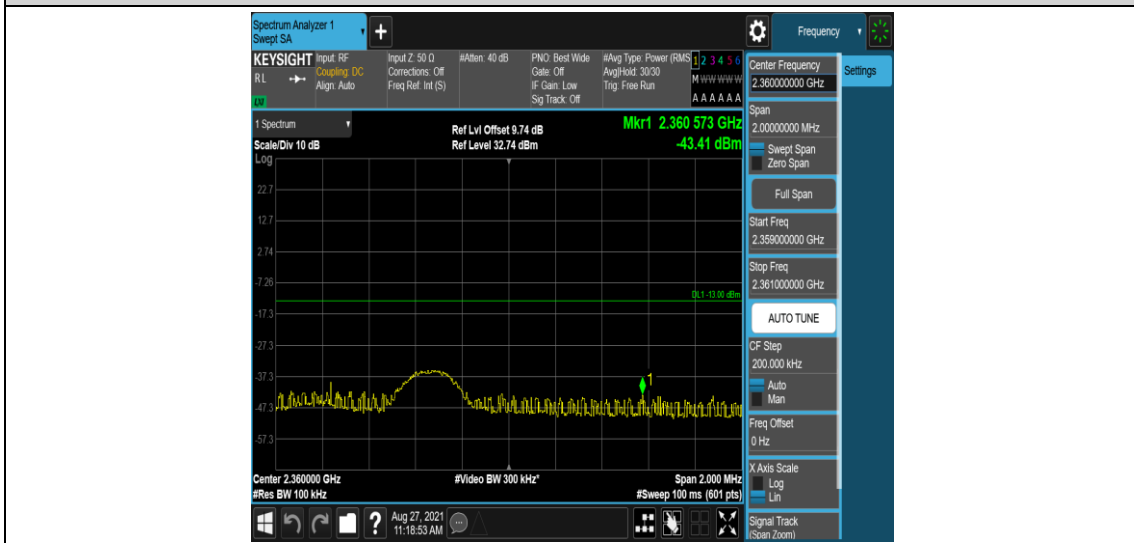




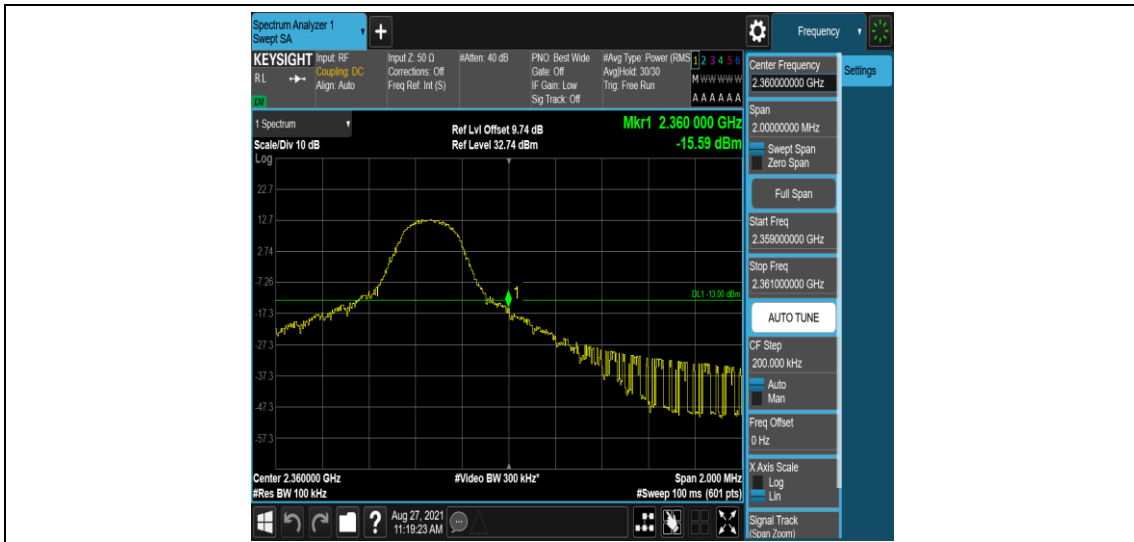
Band40-5MHz-QPSK-39175-25RB#0



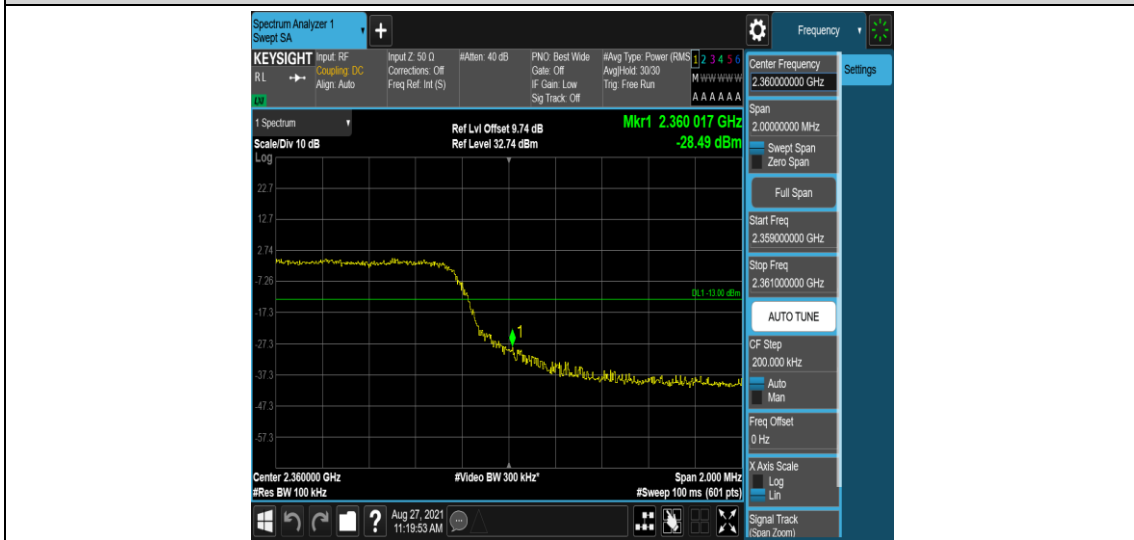
Band40-5MHz-QPSK-39225-1RB#0



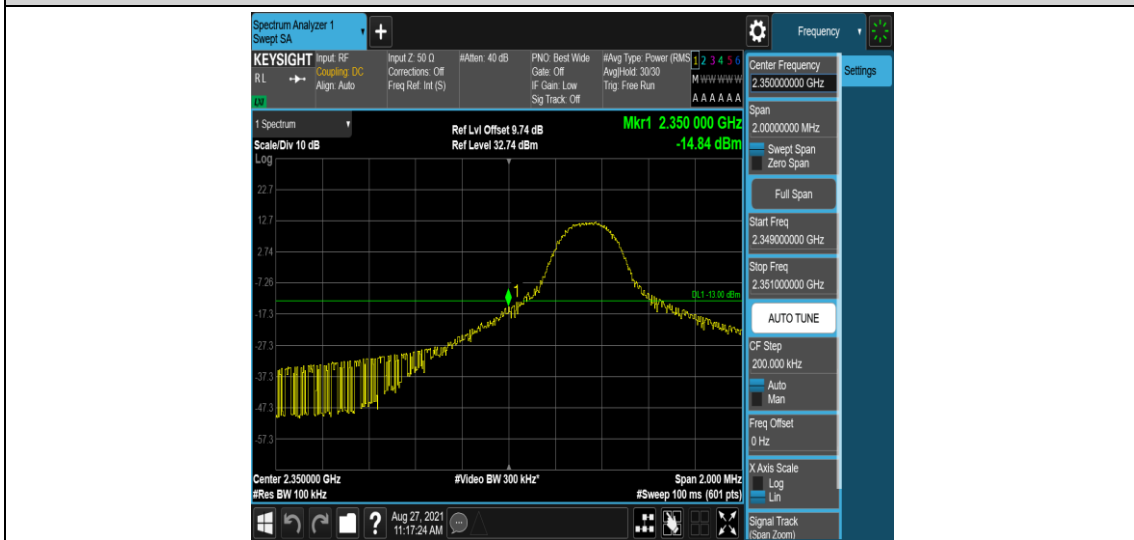
Band40-5MHz-QPSK-39225-1RB#24



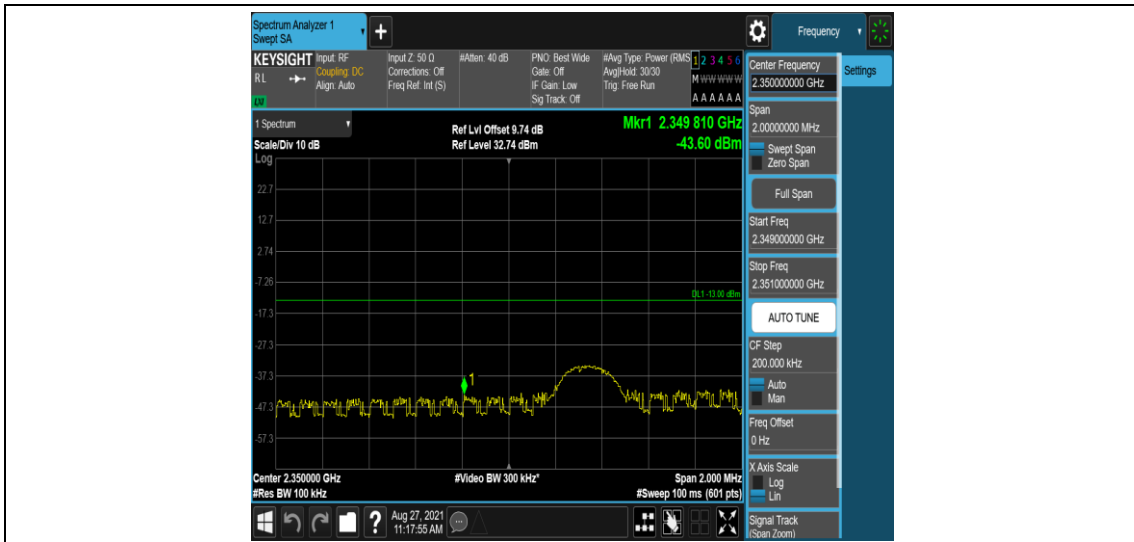
Band40-5MHz-QPSK-39225-25RB#0



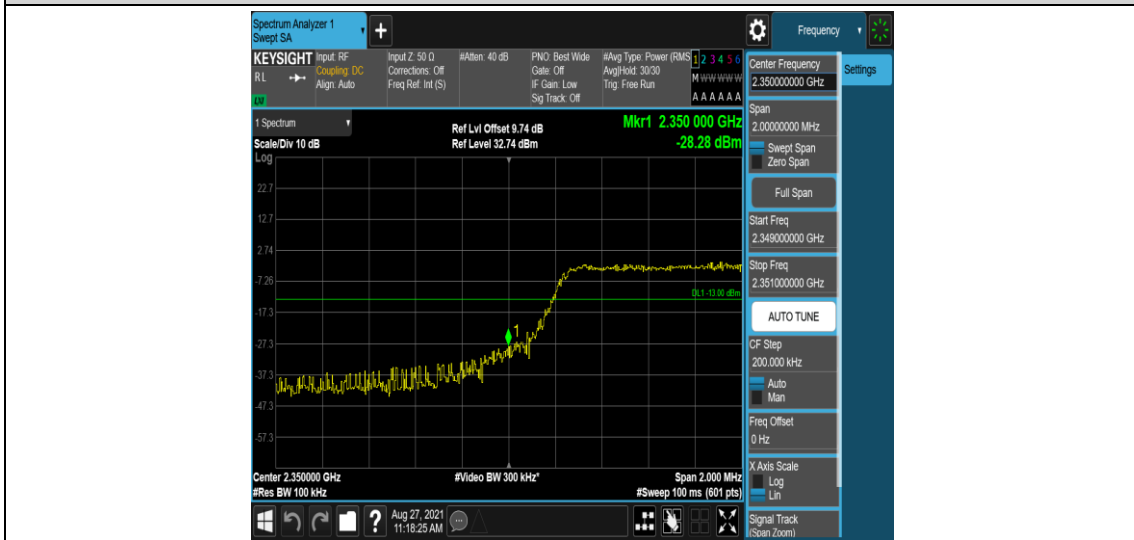
Band40-5MHz-16QAM-39175-1RB#0



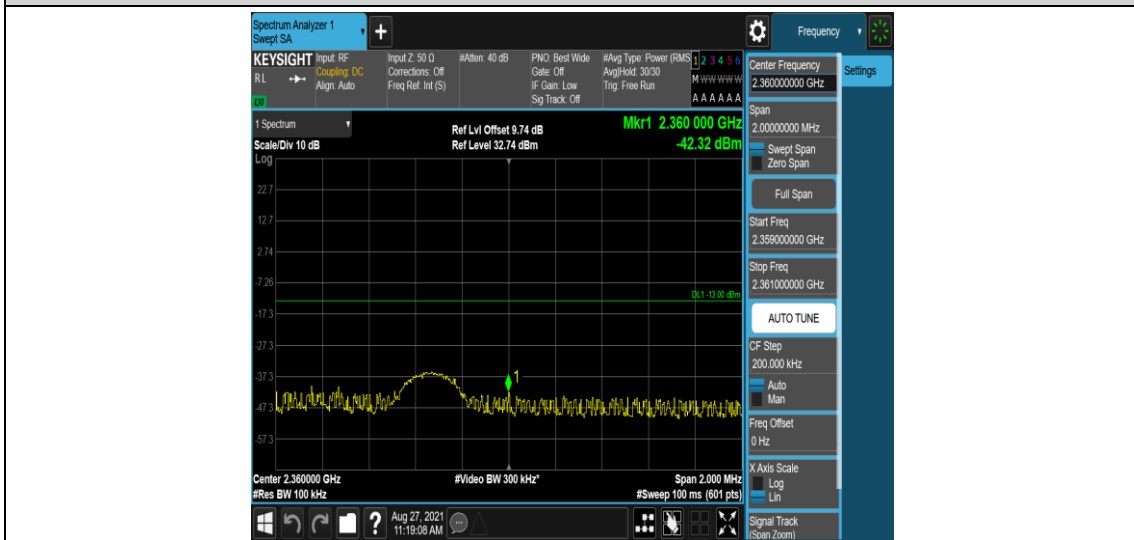
Band40-5MHz-16QAM-39175-1RB#24



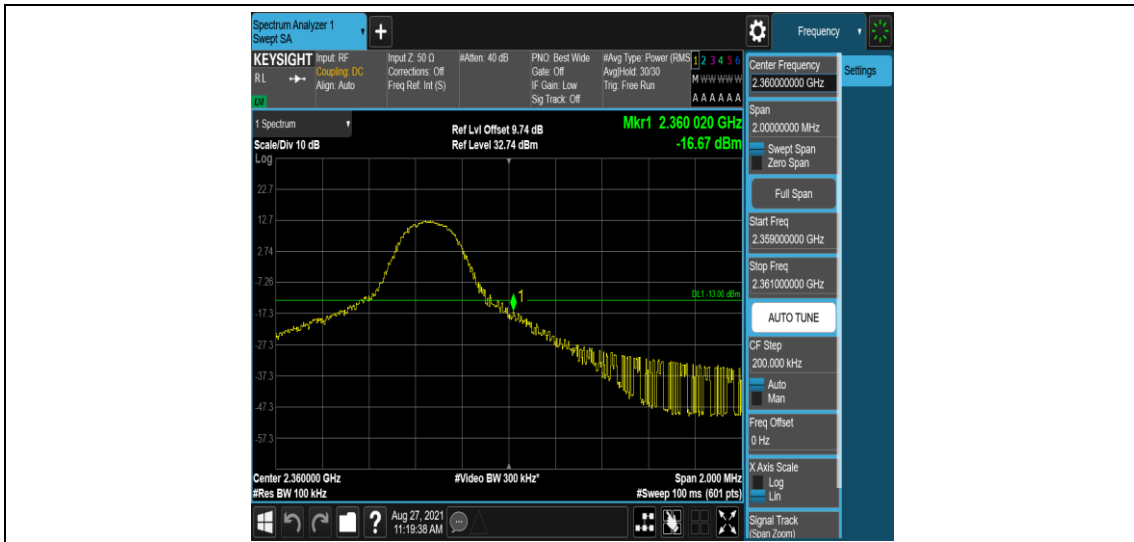
Band40-5MHz-16QAM-39175-25RB#0



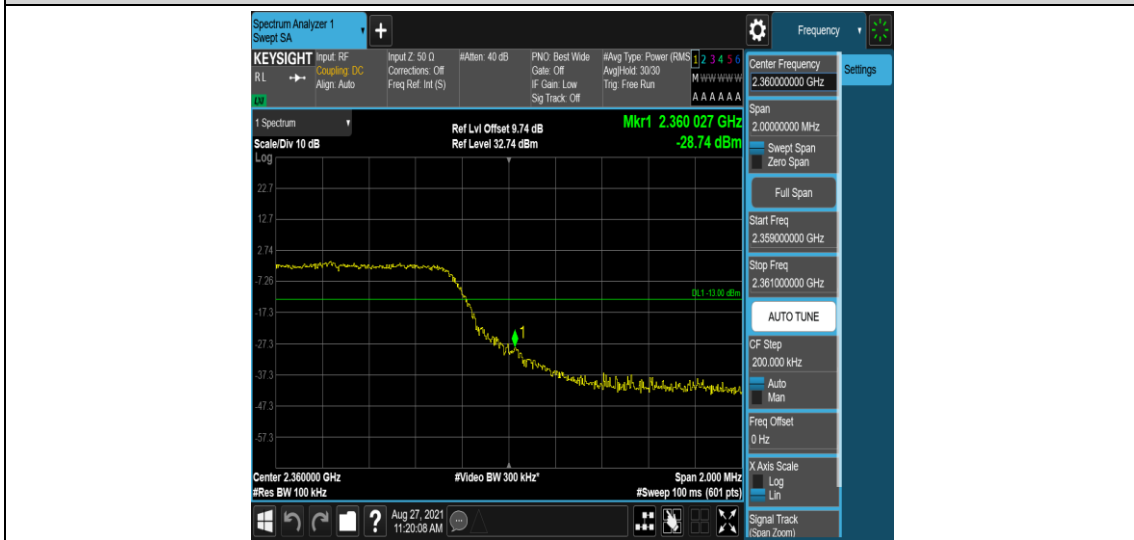
Band40-5MHz-16QAM-39225-1RB#0



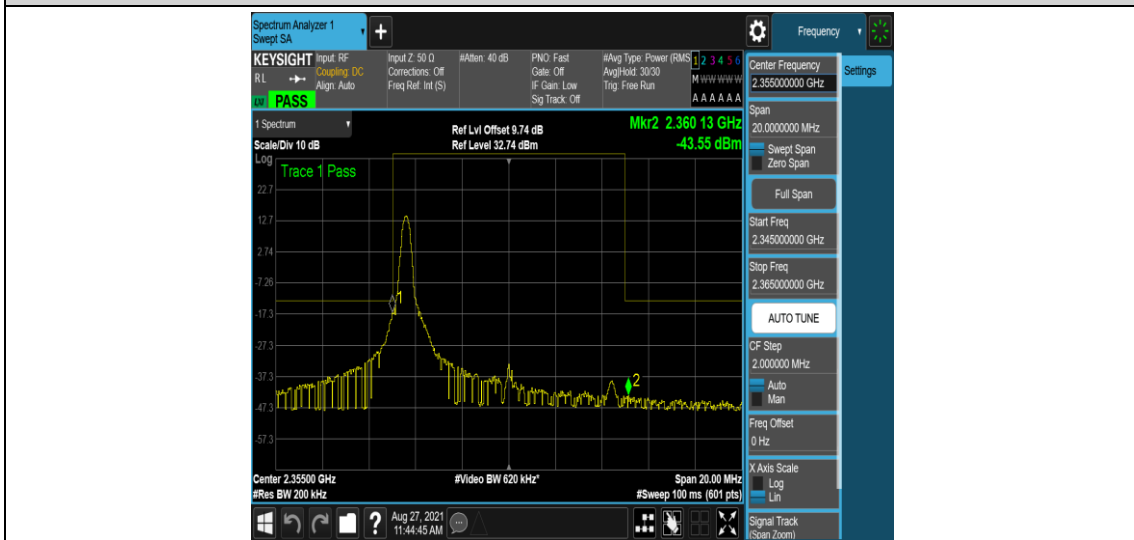
Band40-5MHz-16QAM-39225-1RB#24



Band40-5MHz-16QAM-39225-25RB#0



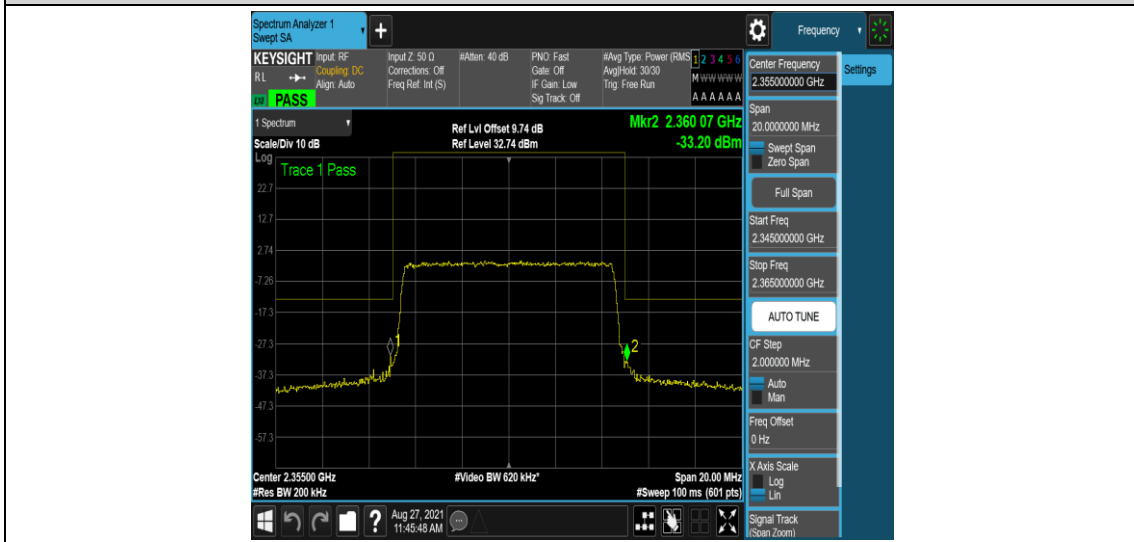
Band40-10MHz-QPSK-39200-1RB#0



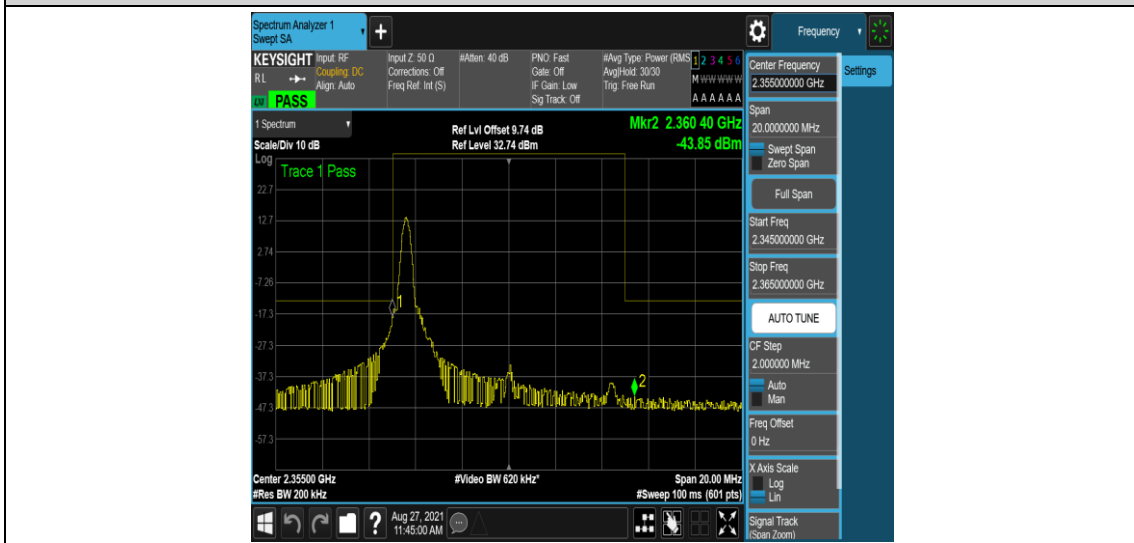
Band40-10MHz-QPSK-39200-1RB#49



Band40-10MHz-QPSK-39200-50RB#0



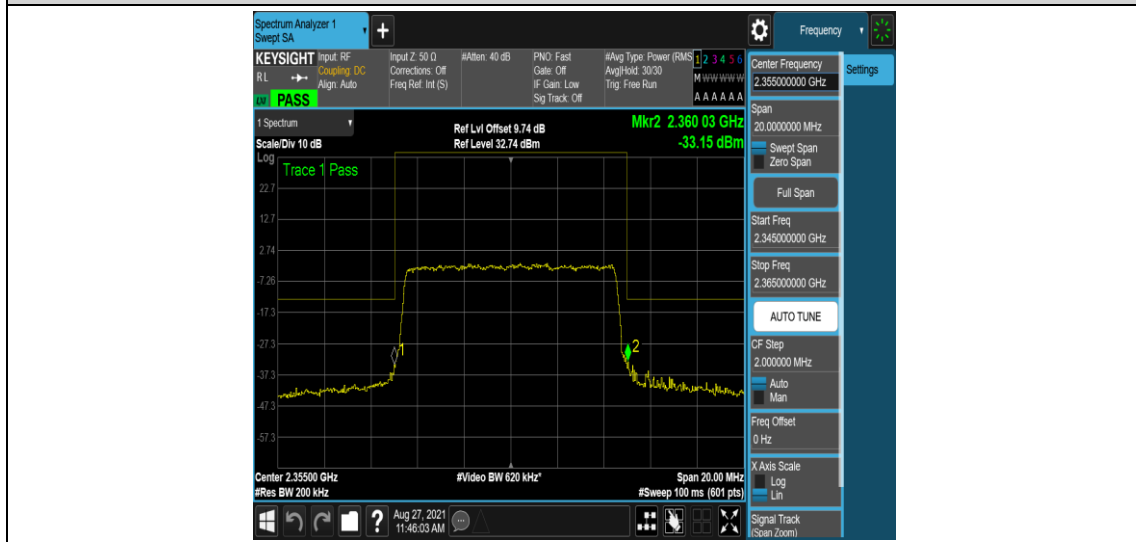
Band40-10MHz-16QAM-39200-1RB#0



Band40-10MHz-16QAM-39200-1RB#49



Band40-10MHz-16QAM-39200-50RB#0



Appendix E: Conducted Spurious Emission

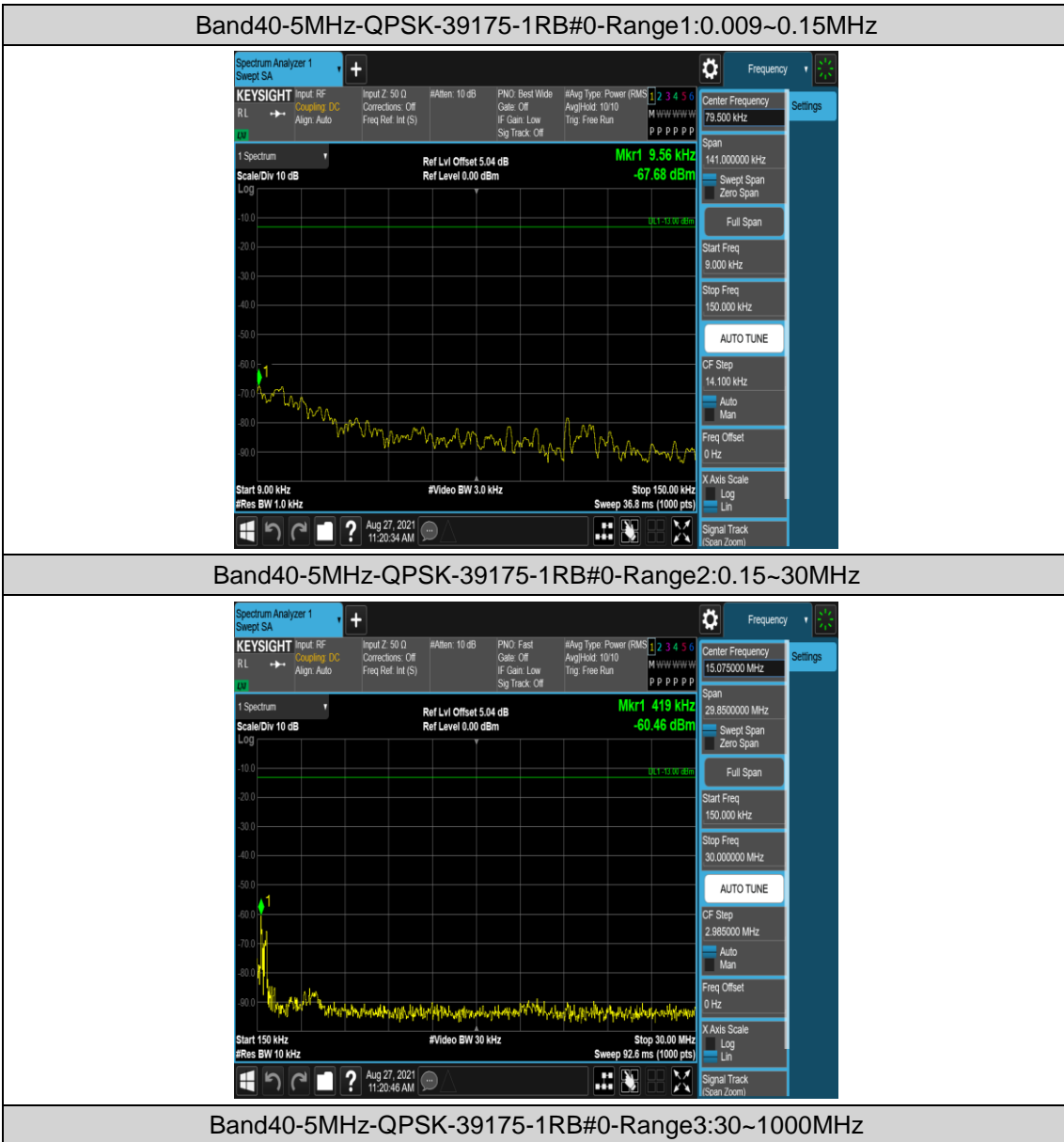
Test Result

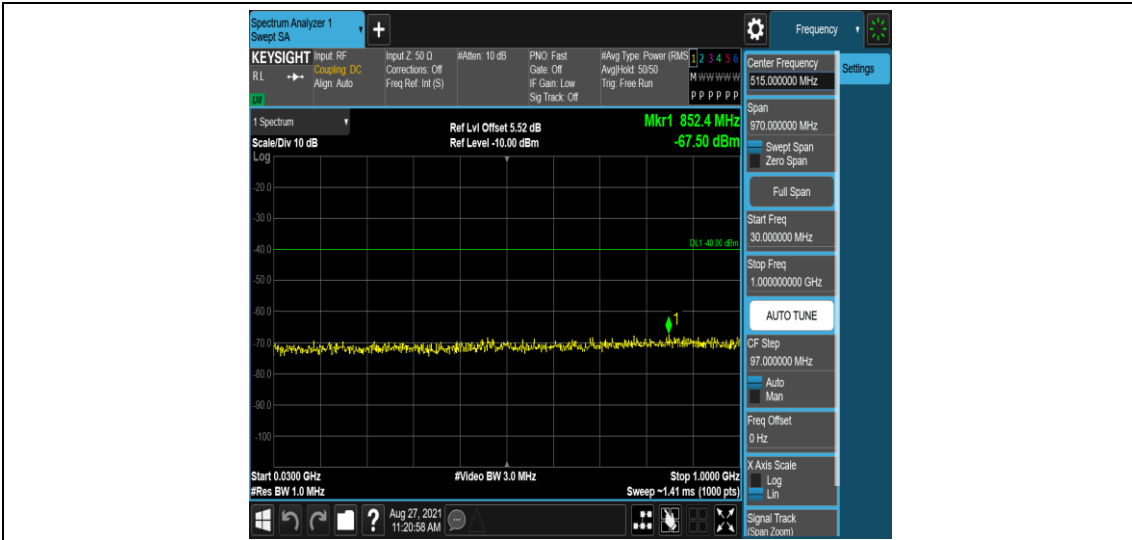
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band40	5MHz	QPSK	39175	1RB#0	Range1:0.009~0.15MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range2:0.15~30MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range3:30~1000MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range4:1000~2288MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range5:2288~2292MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range6:2292~2296MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range7:2296~2300MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range8:2300~2305MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range9:2320~2324MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range10:2324~2328MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range11:2328~2337MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range12:2337~2341MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range14:2360~2365MHz	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range15:2365~26500MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range1:0.009~0.15MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range2:0.15~30MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range3:30~1000MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range4:1000~2288MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range5:2288~2292MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range6:2292~2296MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range7:2296~2300MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range8:2300~2305MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range9:2320~2324MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range10:2324~2328MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range11:2328~2337MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range12:2337~2341MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range13:2341~2345MHz	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range15:2365~26500MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range1:0.009~0.15MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range2:0.15~30MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range3:30~1000MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range4:1000~2288MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range5:2288~2292MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range6:2292~2296MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range7:2296~2300MHz	PASS

Band40	5MHz	QPSK	39225	1RB#0	Range8:2300~2305MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range9:2320~2324MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range10:2324~2328MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range11:2328~2337MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range12:2337~2341MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range13:2341~2345MHz	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range15:2365~26500MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range1:0.009~0.15MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range2:0.15~30MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range3:30~1000MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range4:1000~2288MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range5:2288~2292MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range6:2292~2296MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range7:2296~2300MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range8:2300~2305MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range9:2320~2324MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range10:2324~2328MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range11:2328~2337MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range12:2337~2341MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range14:2360~2365MHz	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range15:2365~26500MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range1:0.009~0.15MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range2:0.15~30MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range3:30~1000MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range4:1000~2288MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range5:2288~2292MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range6:2292~2296MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range7:2296~2300MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range8:2300~2305MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range9:2320~2324MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range10:2324~2328MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range11:2328~2337MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range12:2337~2341MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range13:2341~2345MHz	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range15:2365~26500MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range1:0.009~0.15MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range2:0.15~30MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range3:30~1000MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range4:1000~2288MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range5:2288~2292MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range6:2292~2296MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range7:2296~2300MHz	PASS

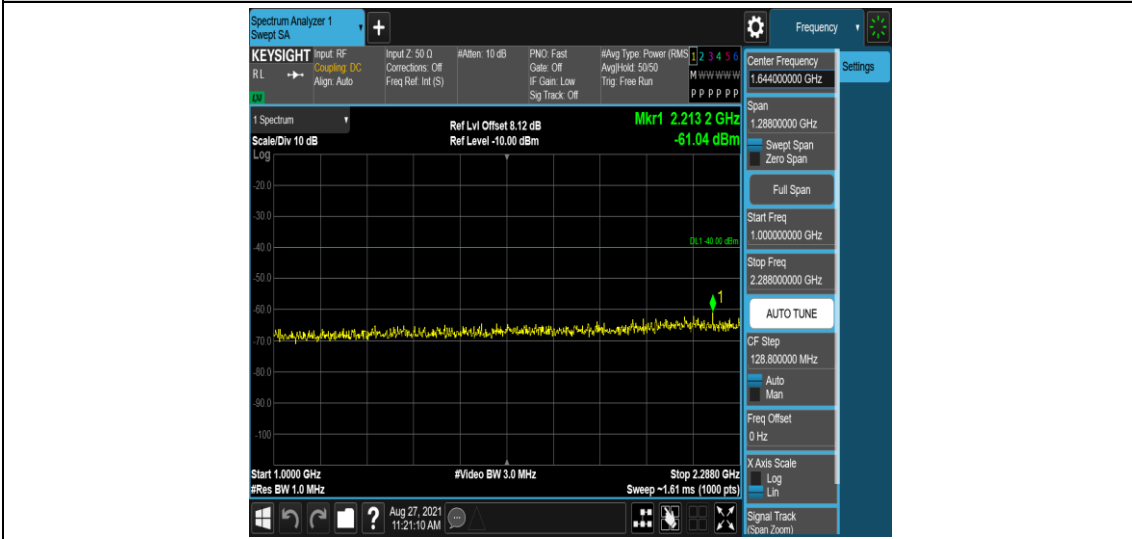
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Band40	5MHz	16QAM	39225	1RB#0	Range9:2320~2324MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range10:2324~2328MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range11:2328~2337MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range12:2337~2341MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range13:2341~2345MHz	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range15:2365~26500MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range1:0.009~0.15MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range2:0.15~30MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range3:30~1000MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range4:1000~2288MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range5:2288~2292MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range6:2292~2296MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range7:2296~2300MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range8:2300~2305MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range9:2320~2324MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range10:2324~2328MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range14:2360~2365MHz	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range15:2365~26500MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range1:0.009~0.15MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range2:0.15~30MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range3:30~1000MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range4:1000~2288MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range5:2288~2292MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range6:2292~2296MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range7:2296~2300MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range8:2300~2305MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range9:2320~2324MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range10:2324~2328MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range14:2360~2365MHz	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range15:2365~26500MHz	PASS

Test Graphs

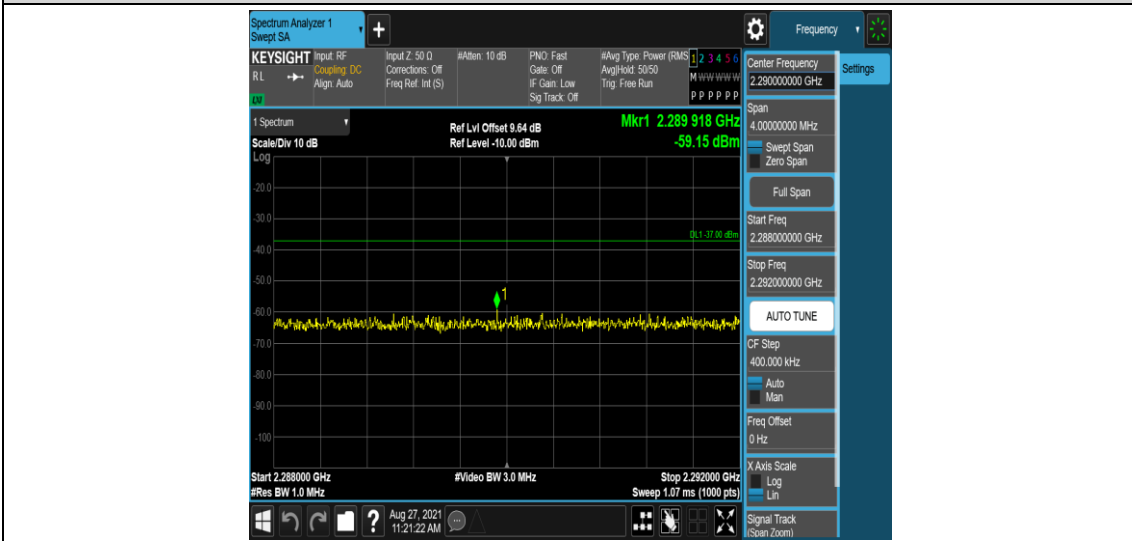




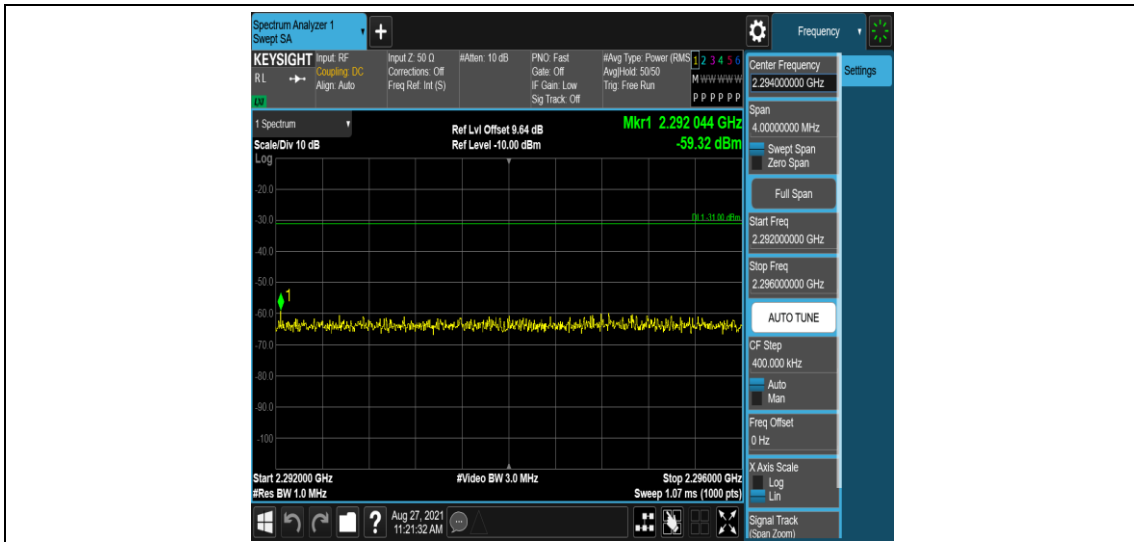
Band40-5MHz-QPSK-39175-1RB#0-Range4:1000~2288MHz



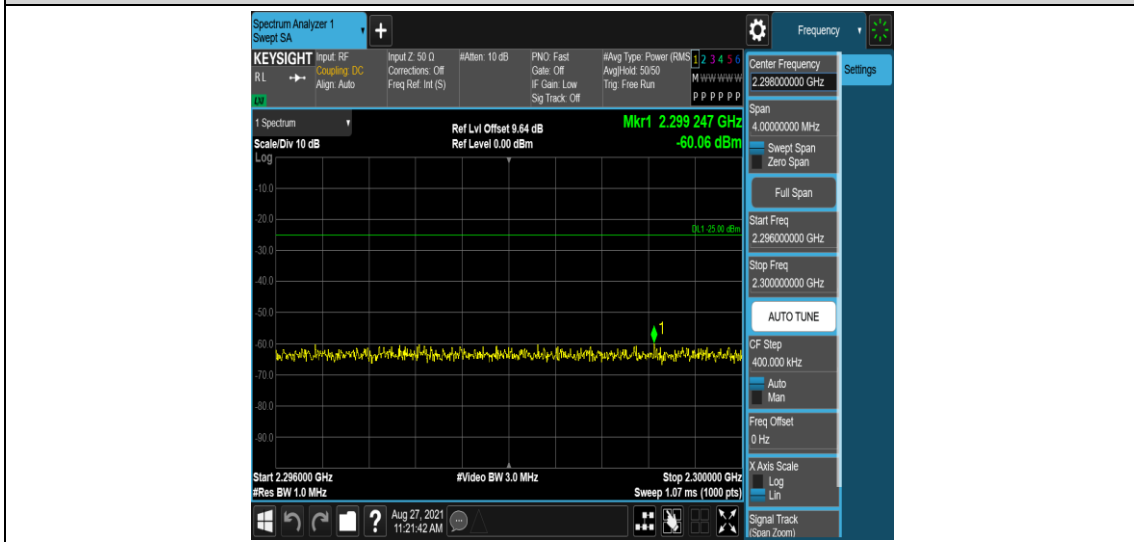
Band40-5MHz-QPSK-39175-1RB#0-Range5:2288~2292MHz



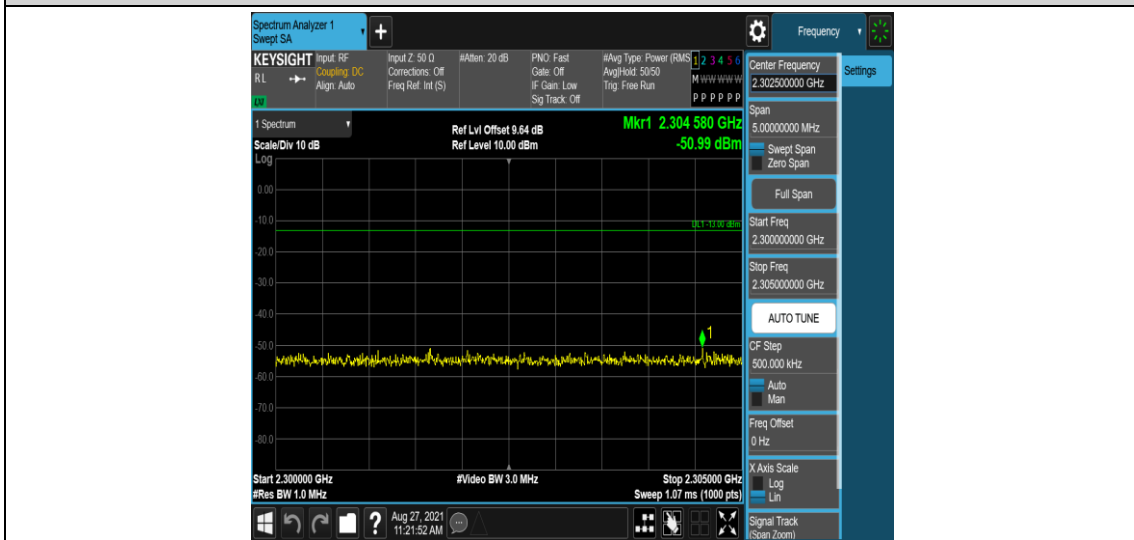
Band40-5MHz-QPSK-39175-1RB#0-Range6:2292~2296MHz



Band40-5MHz-QPSK-39175-1RB#0-Range7:2296~2300MHz



Band40-5MHz-QPSK-39175-1RB#0-Range8:2300~2305MHz



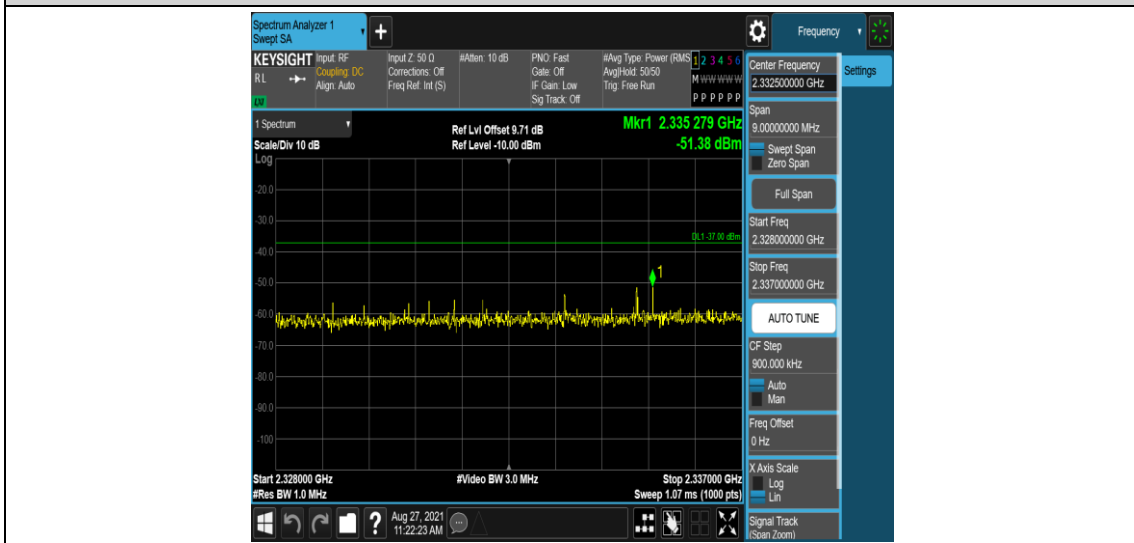
Band40-5MHz-QPSK-39175-1RB#0-Range9:2320~2324MHz



Band40-5MHz-QPSK-39175-1RB#0-Range10:2324~2328MHz



Band40-5MHz-QPSK-39175-1RB#0-Range11:2328~2337MHz



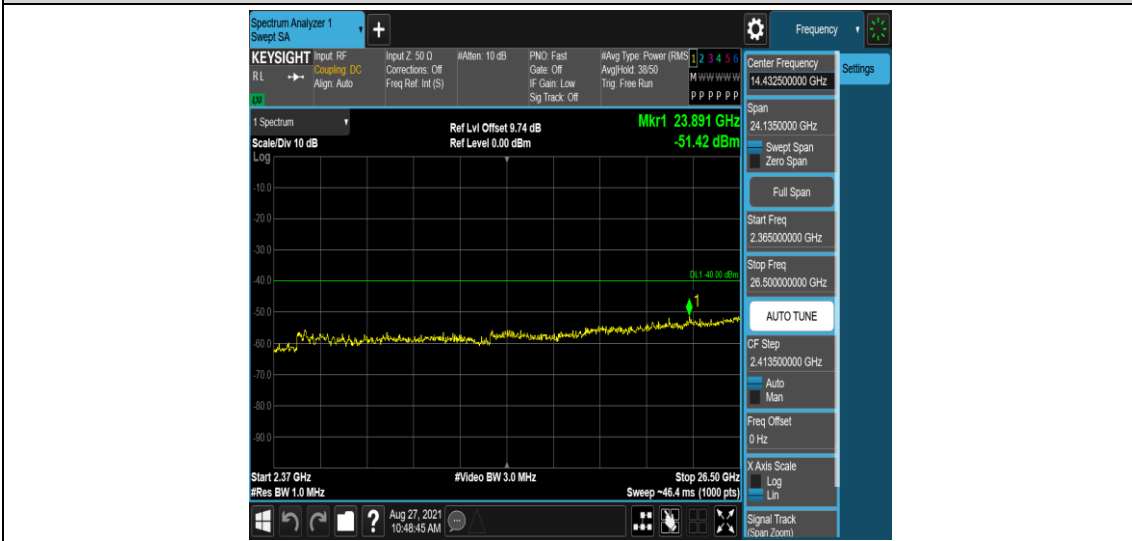
Band40-5MHz-QPSK-39175-1RB#0-Range12:2337~2341MHz



Band40-5MHz-QPSK-39175-1RB#0-Range14:2360~2365MHz



Band40-5MHz-QPSK-39175-1RB#0-Range15:2365~2650MHz



Band40-5MHz-QPSK-39200-1RB#0-Range1:0.009~0.15MHz