

LTE Band41 Test Data

Report No. ENS2311100034W00105R Page 16 and Page 18
Appendix A: Effective (Isotropic) Radiated Power Output Data

Report No. ENS2311100034W00105R Page 40
Appendix B: Peak-to-Average Ratio

Report No. ENS2311100034W00105R Page 21
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Report No. ENS2311100034W00105R Page 23
Appendix D: Band Edge

Report No. ENS2311100034W00105R Page 25
Appendix E: Conducted Spurious Emission

Report No. ENS2311100034W00105R Page 39
Appendix F: Frequency Stability

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	21.58	PASS
Band41	5MHz	QPSK	39675	1RB#12	21.78	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.76	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.69	PASS
Band41	5MHz	QPSK	39675	12RB#6	20.47	PASS
Band41	5MHz	QPSK	39675	12RB#13	20.72	PASS
Band41	5MHz	QPSK	39675	25RB#0	20.72	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.15	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.21	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.13	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.09	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.02	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.12	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.17	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.97	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.16	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.96	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.00	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.00	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.95	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.89	PASS
Band41	5MHz	16QAM	39675	1RB#0	20.47	PASS
Band41	5MHz	16QAM	39675	1RB#12	20.57	PASS
Band41	5MHz	16QAM	39675	1RB#24	20.47	PASS
Band41	5MHz	16QAM	39675	12RB#0	19.48	PASS
Band41	5MHz	16QAM	39675	12RB#6	19.48	PASS
Band41	5MHz	16QAM	39675	12RB#13	19.46	PASS
Band41	5MHz	16QAM	39675	25RB#0	19.53	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.10	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.21	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.01	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.12	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.13	PASS

Band41	5MHz	16QAM	40620	12RB#13	20.15	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.19	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.03	PASS
Band41	5MHz	16QAM	41565	1RB#12	20.96	PASS
Band41	5MHz	16QAM	41565	1RB#24	20.90	PASS
Band41	5MHz	16QAM	41565	12RB#0	20.07	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.05	PASS
Band41	5MHz	16QAM	41565	12RB#13	19.92	PASS
Band41	5MHz	16QAM	41565	25RB#0	19.87	PASS
Band41	10MHz	QPSK	39700	1RB#0	21.81	PASS
Band41	10MHz	QPSK	39700	1RB#24	21.63	PASS
Band41	10MHz	QPSK	39700	1RB#49	21.73	PASS
Band41	10MHz	QPSK	39700	25RB#0	20.59	PASS
Band41	10MHz	QPSK	39700	25RB#12	20.74	PASS
Band41	10MHz	QPSK	39700	25RB#25	20.69	PASS
Band41	10MHz	QPSK	39700	50RB#0	20.81	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.33	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.19	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.48	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.28	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.29	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.20	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.22	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.49	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.03	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.14	PASS
Band41	10MHz	QPSK	41540	25RB#0	21.13	PASS
Band41	10MHz	QPSK	41540	25RB#12	21.14	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.98	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.10	PASS
Band41	10MHz	16QAM	39700	1RB#0	20.79	PASS
Band41	10MHz	16QAM	39700	1RB#24	20.65	PASS
Band41	10MHz	16QAM	39700	1RB#49	20.65	PASS
Band41	10MHz	16QAM	39700	25RB#0	19.65	PASS
Band41	10MHz	16QAM	39700	25RB#12	19.60	PASS
Band41	10MHz	16QAM	39700	25RB#25	19.65	PASS
Band41	10MHz	16QAM	39700	50RB#0	19.74	PASS

Band41	10MHz	16QAM	40620	1RB#0	21.31	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.19	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.32	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.27	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.27	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.26	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.19	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.32	PASS
Band41	10MHz	16QAM	41540	1RB#24	20.83	PASS
Band41	10MHz	16QAM	41540	1RB#49	20.99	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.12	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.10	PASS
Band41	10MHz	16QAM	41540	25RB#25	19.97	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.04	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.21	PASS
Band41	15MHz	QPSK	39725	1RB#38	21.75	PASS
Band41	15MHz	QPSK	39725	1RB#74	21.92	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.01	PASS
Band41	15MHz	QPSK	39725	38RB#18	20.75	PASS
Band41	15MHz	QPSK	39725	38RB#37	20.92	PASS
Band41	15MHz	QPSK	39725	75RB#0	20.80	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.52	PASS
Band41	15MHz	QPSK	40620	1RB#38	21.98	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.44	PASS
Band41	15MHz	QPSK	40620	38RB#0	22.02	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.17	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.41	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.17	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.61	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.86	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.04	PASS
Band41	15MHz	QPSK	41515	38RB#0	21.57	PASS
Band41	15MHz	QPSK	41515	38RB#18	20.82	PASS
Band41	15MHz	QPSK	41515	38RB#37	21.54	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.02	PASS
Band41	15MHz	16QAM	39725	1RB#38	20.58	PASS

Band41	15MHz	16QAM	39725	1RB#74	20.66	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.11	PASS
Band41	15MHz	16QAM	39725	38RB#18	20.79	PASS
Band41	15MHz	16QAM	39725	38RB#37	20.93	PASS
Band41	15MHz	16QAM	39725	75RB#0	19.65	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.86	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.14	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.37	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.69	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.12	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.38	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.23	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.42	PASS
Band41	15MHz	16QAM	41515	1RB#38	20.87	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.21	PASS
Band41	15MHz	16QAM	41515	38RB#0	21.52	PASS
Band41	15MHz	16QAM	41515	38RB#18	20.95	PASS
Band41	15MHz	16QAM	41515	38RB#37	21.45	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.04	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.32	PASS
Band41	20MHz	QPSK	39750	1RB#49	21.40	PASS
Band41	20MHz	QPSK	39750	1RB#99	21.92	PASS
Band41	20MHz	QPSK	39750	50RB#0	20.88	PASS
Band41	20MHz	QPSK	39750	50RB#25	20.88	PASS
Band41	20MHz	QPSK	39750	50RB#50	20.79	PASS
Band41	20MHz	QPSK	39750	100RB#0	20.80	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.91	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.21	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.49	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.55	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.48	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.34	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.35	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.69	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.98	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.35	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.30	PASS

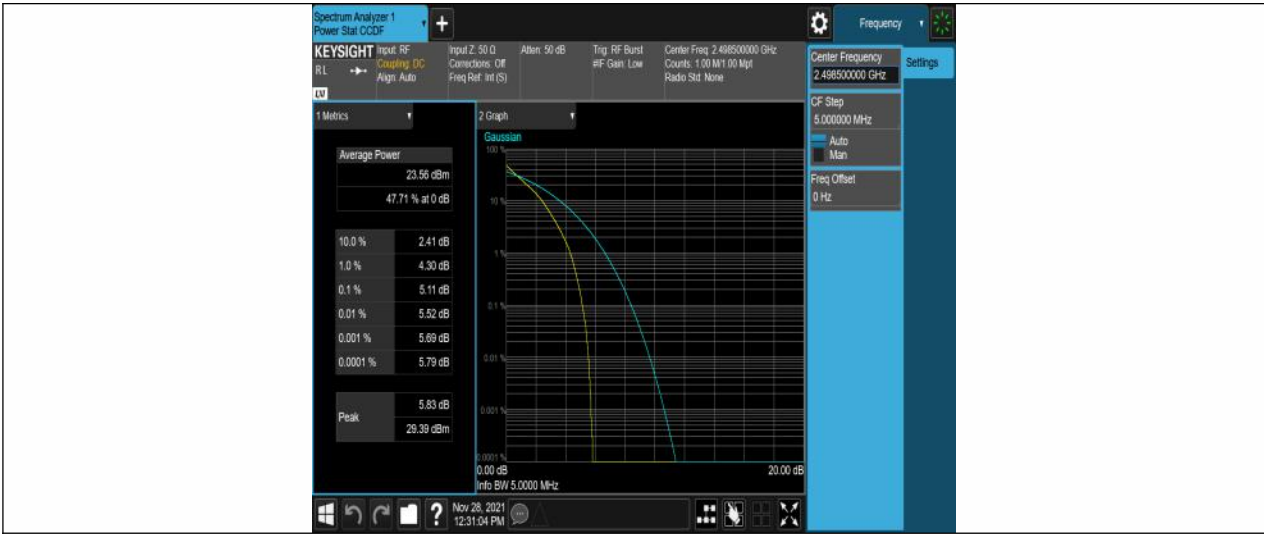
Band41	20MHz	QPSK	41490	50RB#25	21.23	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.09	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.15	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.21	PASS
Band41	20MHz	16QAM	39750	1RB#49	20.34	PASS
Band41	20MHz	16QAM	39750	1RB#99	20.91	PASS
Band41	20MHz	16QAM	39750	50RB#0	19.82	PASS
Band41	20MHz	16QAM	39750	50RB#25	19.79	PASS
Band41	20MHz	16QAM	39750	50RB#50	19.77	PASS
Band41	20MHz	16QAM	39750	100RB#0	19.74	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.04	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.12	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.41	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.54	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.46	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.15	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.32	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.68	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.02	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.41	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.28	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.17	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.12	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.16	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	5.11	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.26	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.00	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	5.93	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.09	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	5.85	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	4.80	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	4.71	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	4.71	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	6.17	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	6.13	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	6.10	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.73	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.74	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.74	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	6.90	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.89	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	6.88	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	6.45	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	6.44	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	6.45	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	6.94	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.94	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	6.93	13	PASS

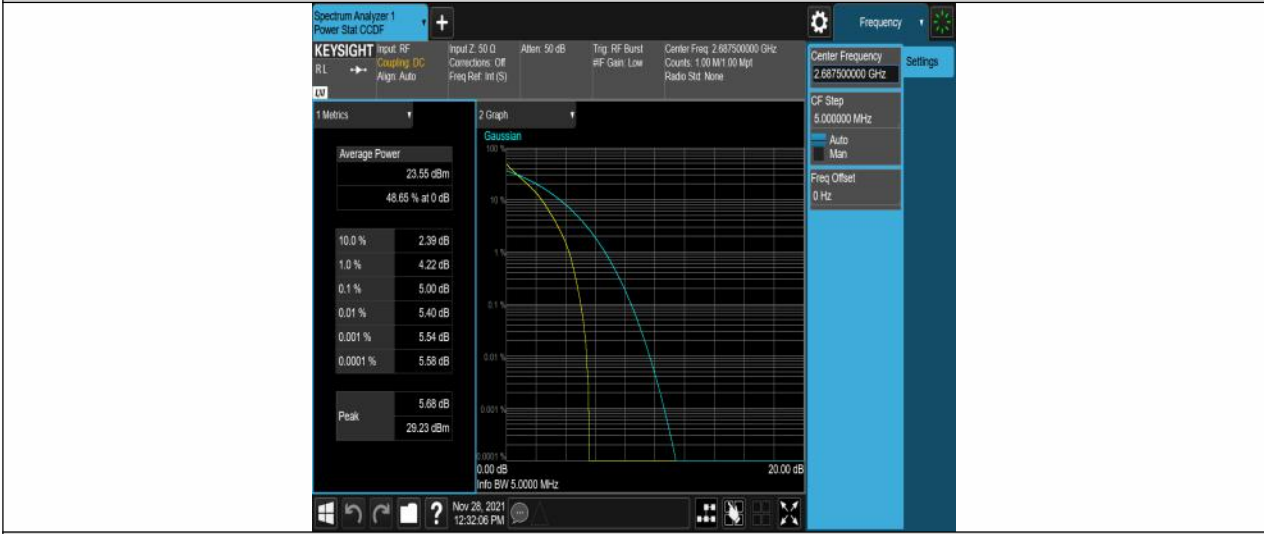
Test Graphs



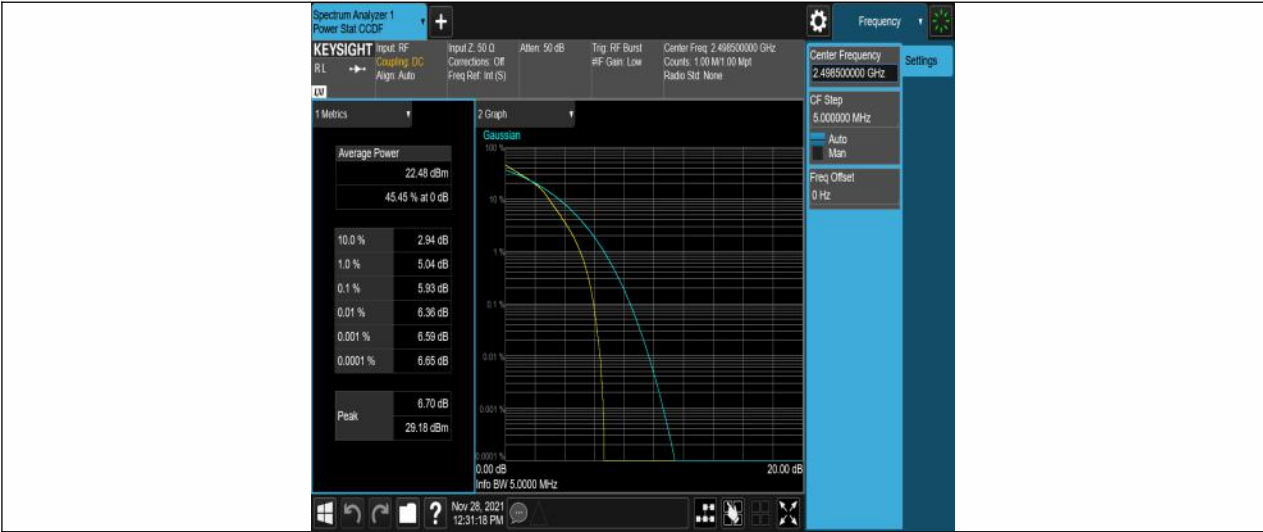
Band41-5MHz-QPSK-39675-25RB#0



Band41-5MHz-QPSK-40620-25RB#0



Band41-5MHz-QPSK-41565-25RB#0



Band41-5MHz-16QAM-39675-25RB#0



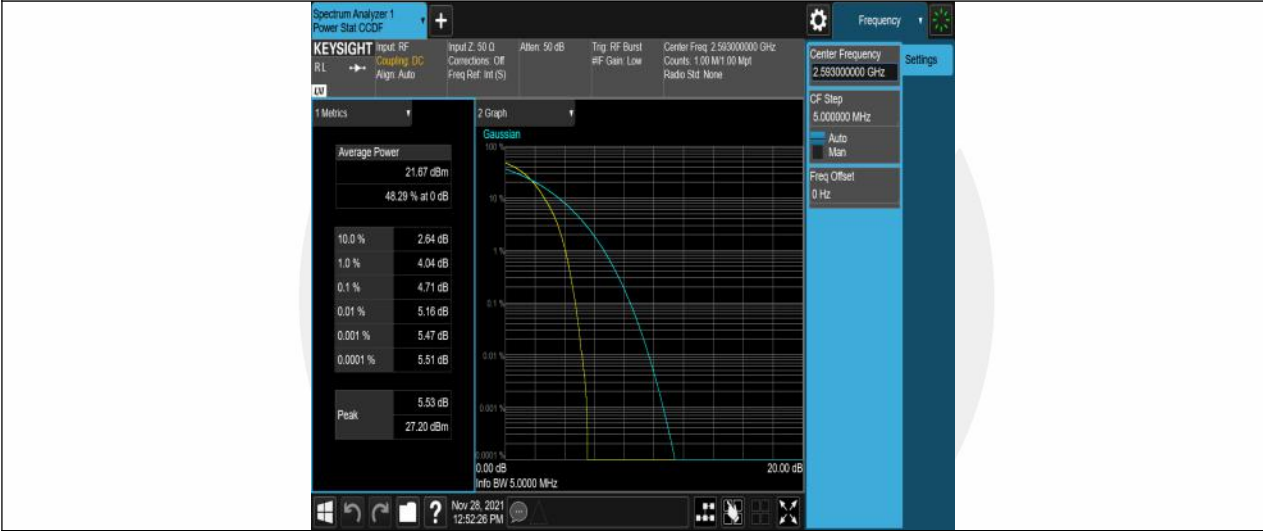
Band41-5MHz-16QAM-40620-25RB#0



Band41-5MHz-16QAM-41565-25RB#0



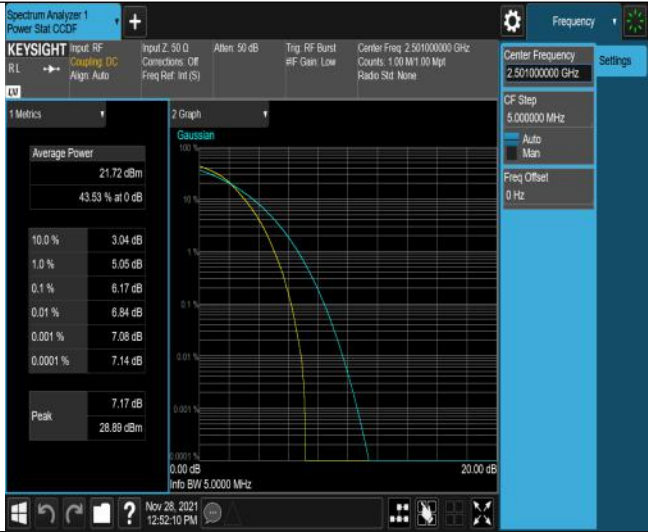
Band41-10MHz-QPSK-39700-50RB#0



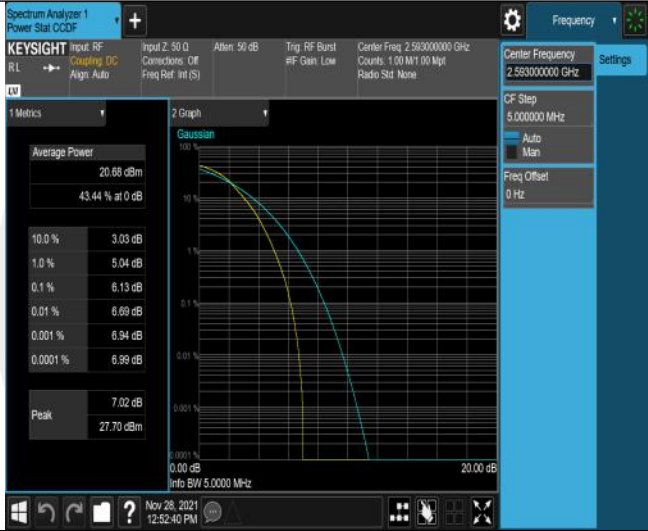
Band41-10MHz-QPSK-40620-50RB#0



Band41-10MHz-QPSK-41540-50RB#0



Band41-10MHz-16QAM-39700-50RB#0



Band41-10MHz-16QAM-40620-50RB#0



Band41-10MHz-16QAM-41540-50RB#0



Band41-15MHz-QPSK-39725-75RB#0



Band41-15MHz-QPSK-40620-75RB#0



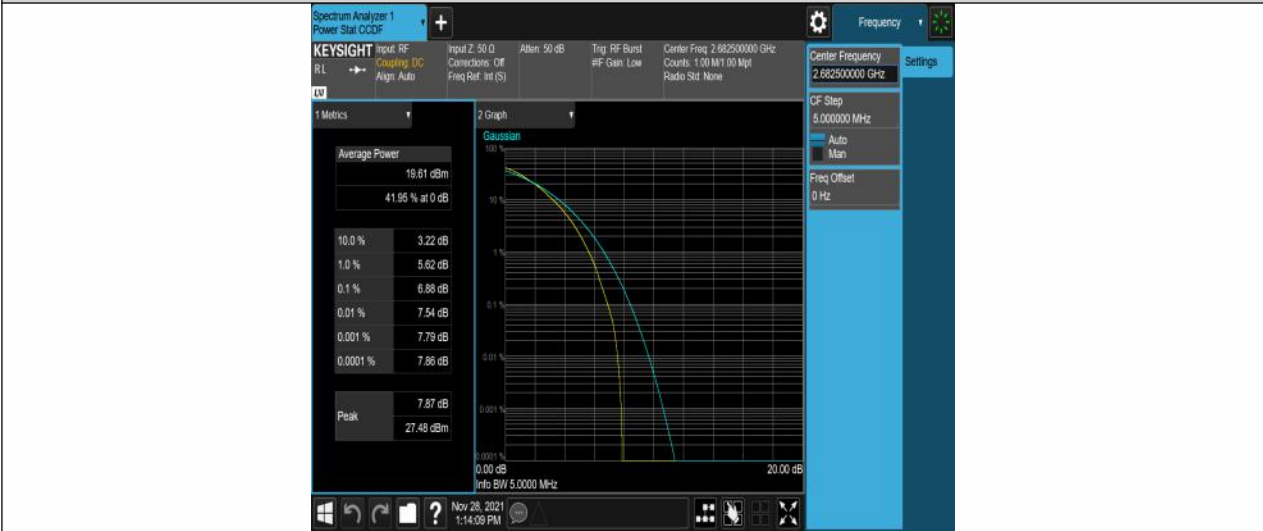
Band41-15MHz-QPSK-41515-75RB#0



Band41-15MHz-16QAM-39725-75RB#0



Band41-15MHz-16QAM-40620-75RB#0



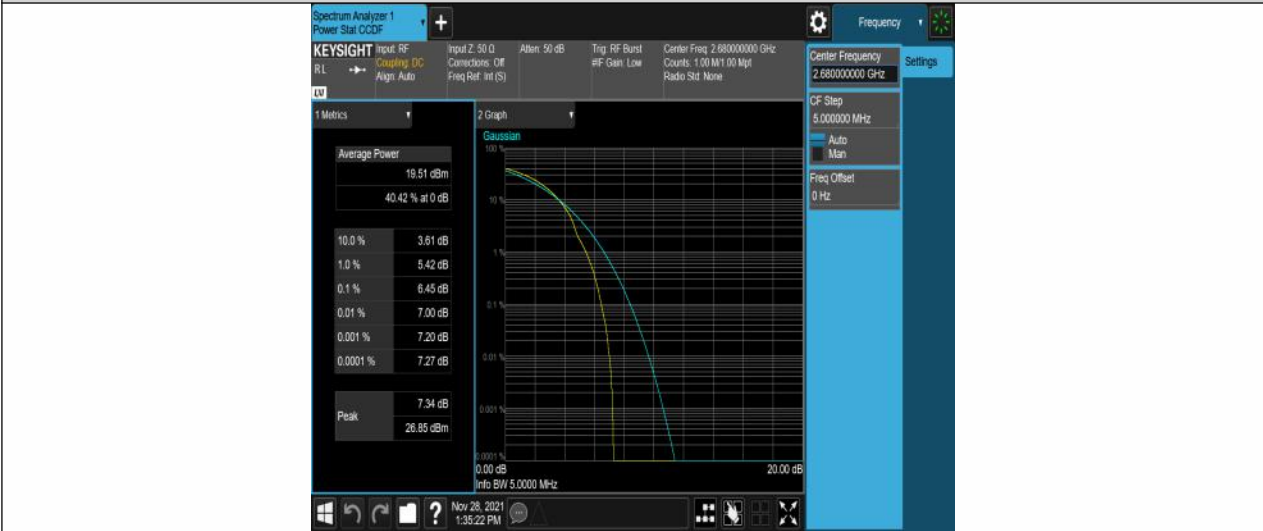
Band41-15MHz-16QAM-41515-75RB#0



Band41-20MHz-QPSK-39750-100RB#0



Band41-20MHz-QPSK-40620-100RB#0



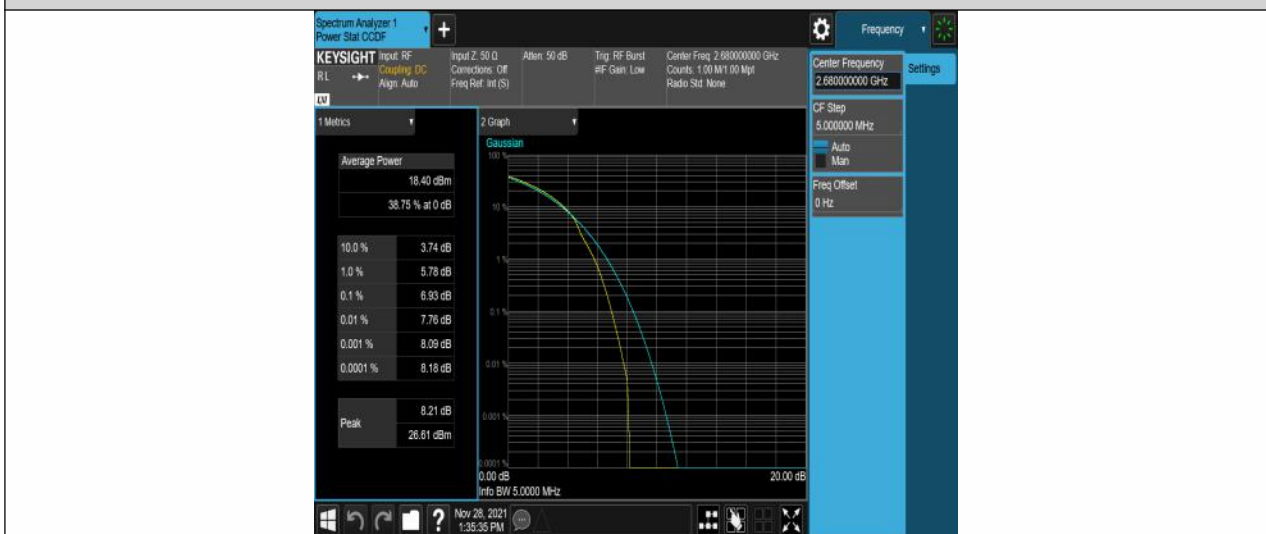
Band41-20MHz-QPSK-41490-100RB#0



Band41-20MHz-16QAM-39750-100RB#0



Band41-20MHz-16QAM-40620-100RB#0



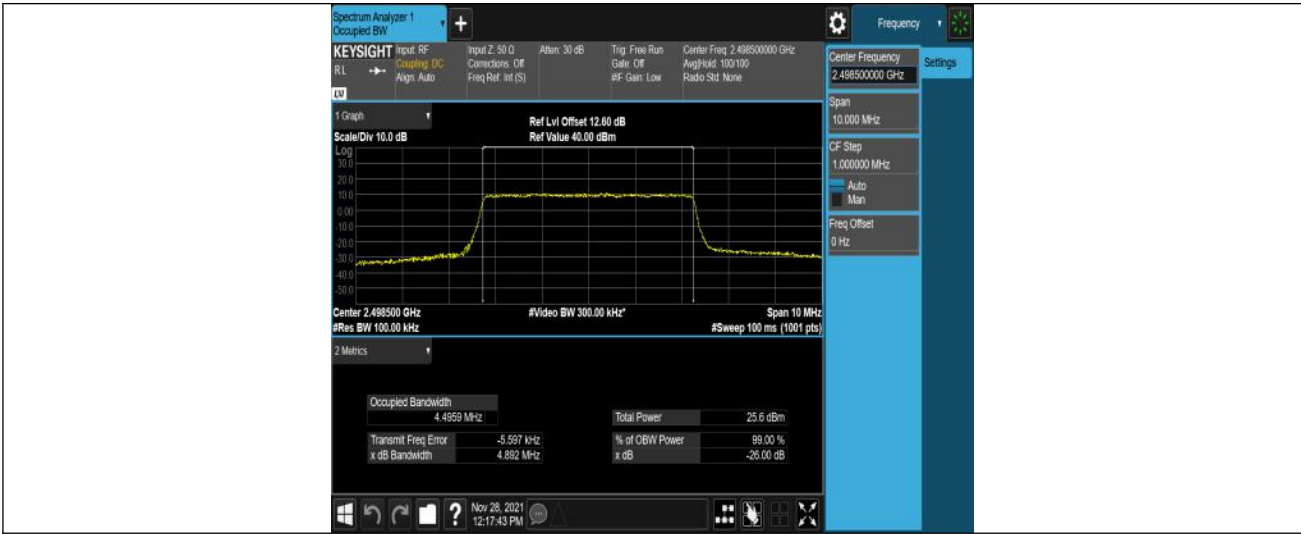
Band41-20MHz-16QAM-41490-100RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

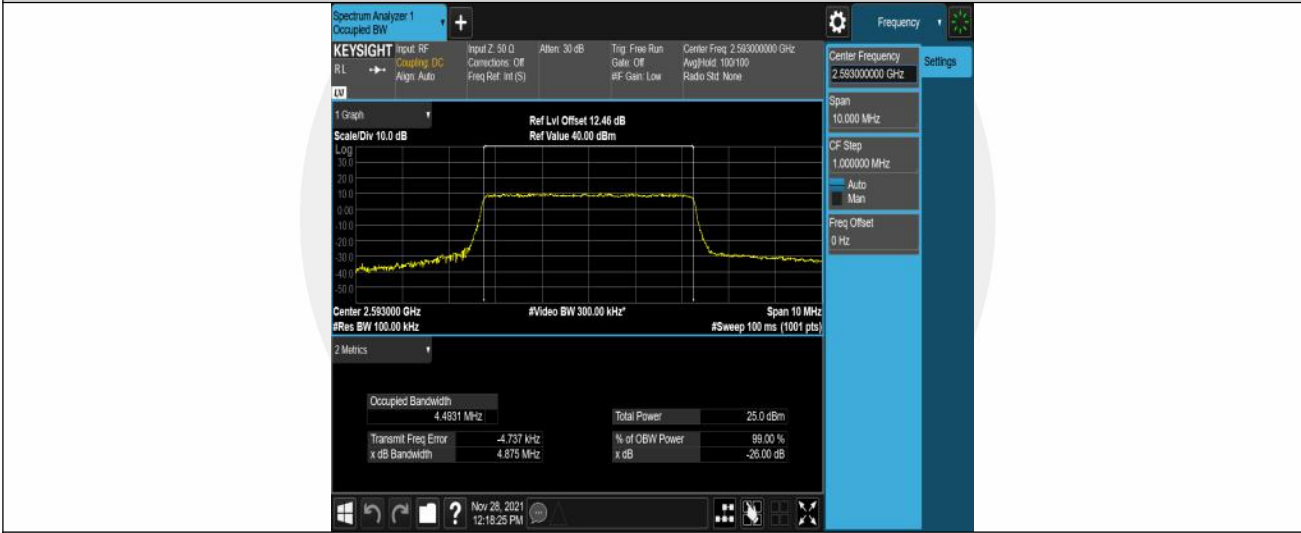
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.4959	4.892	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4931	4.875	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4938	4.881	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4869	4.824	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4924	4.844	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4917	4.835	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9649	9.515	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9611	9.516	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9620	9.532	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9655	9.517	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9678	9.524	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9776	9.510	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.470	14.29	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.470	14.30	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.475	14.30	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.463	14.26	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.465	14.26	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.470	14.27	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.924	18.94	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.935	18.99	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.929	18.99	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.921	18.95	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.914	18.98	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.918	18.97	PASS

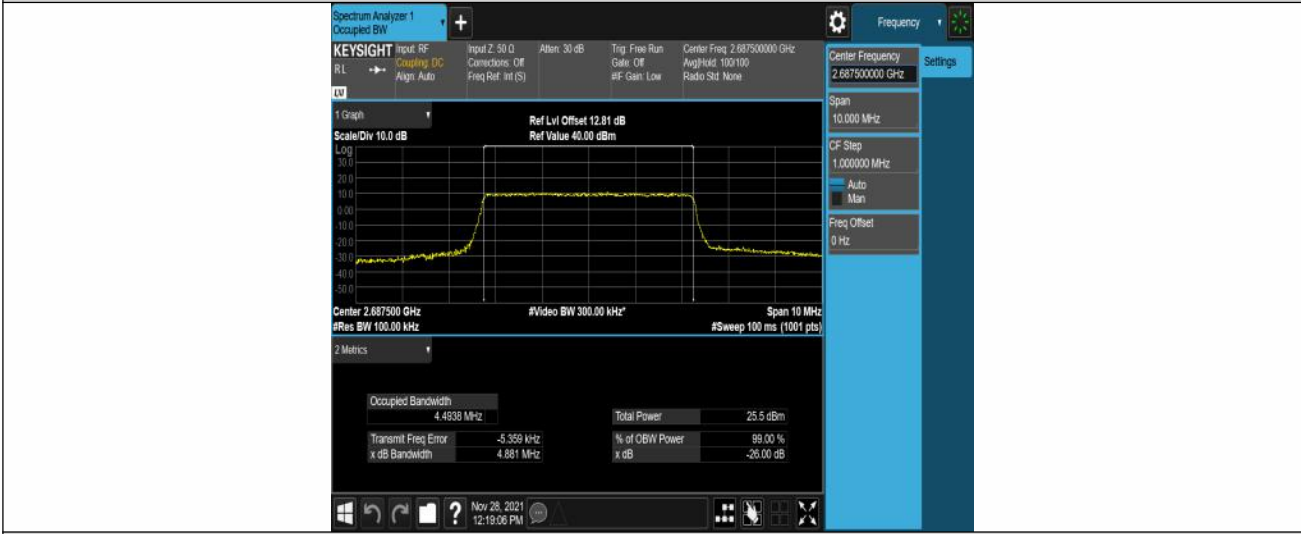
Test Graphs



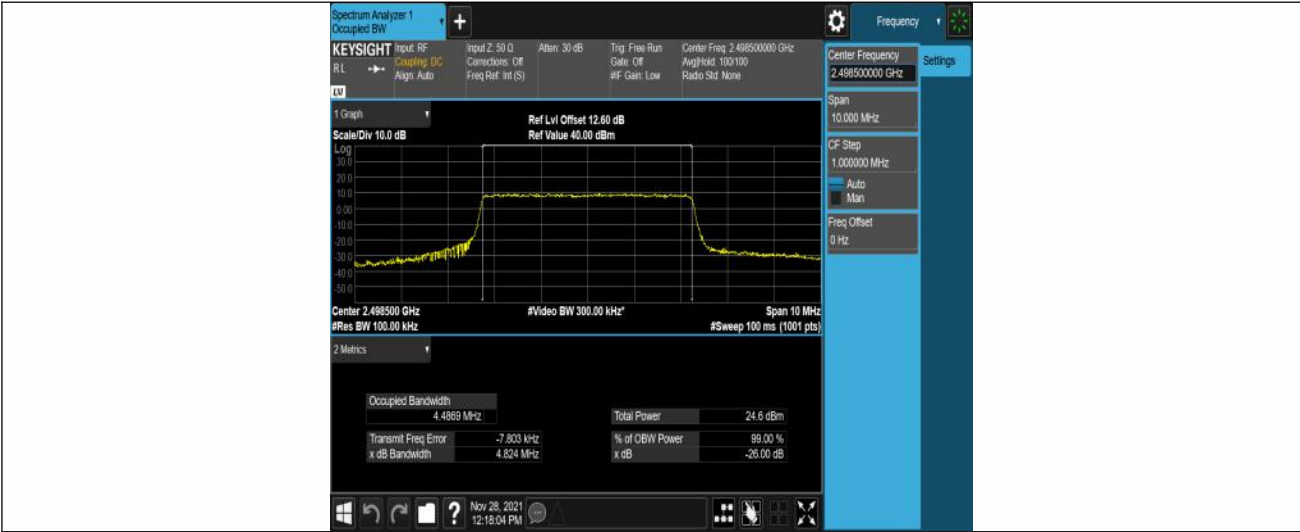
Band41-5MHz-QPSK-39675-25RB#0



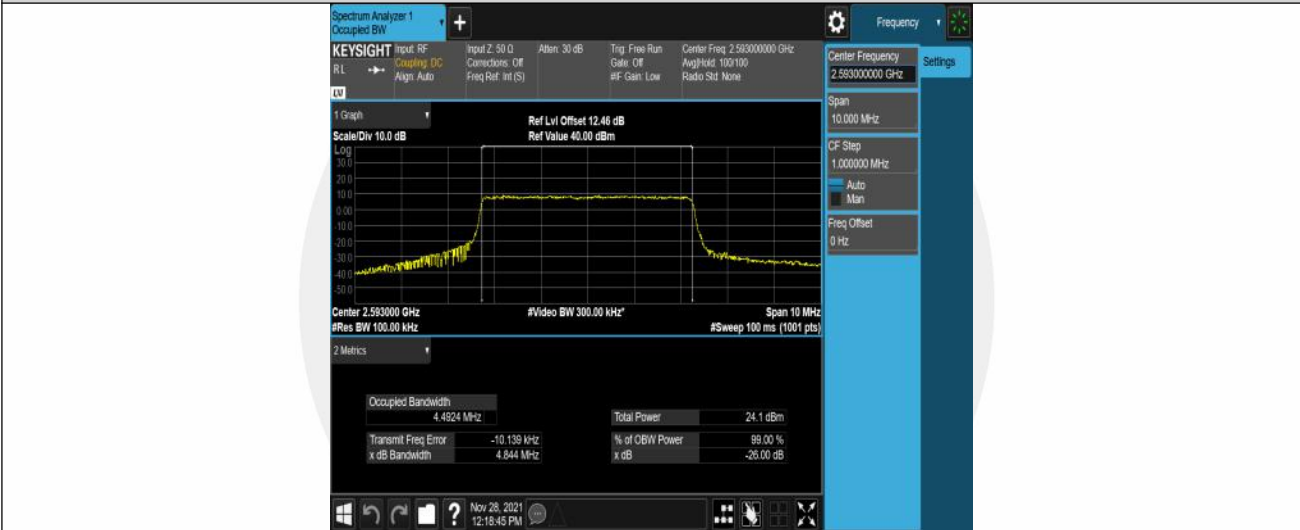
Band41-5MHz-QPSK-40620-25RB#0



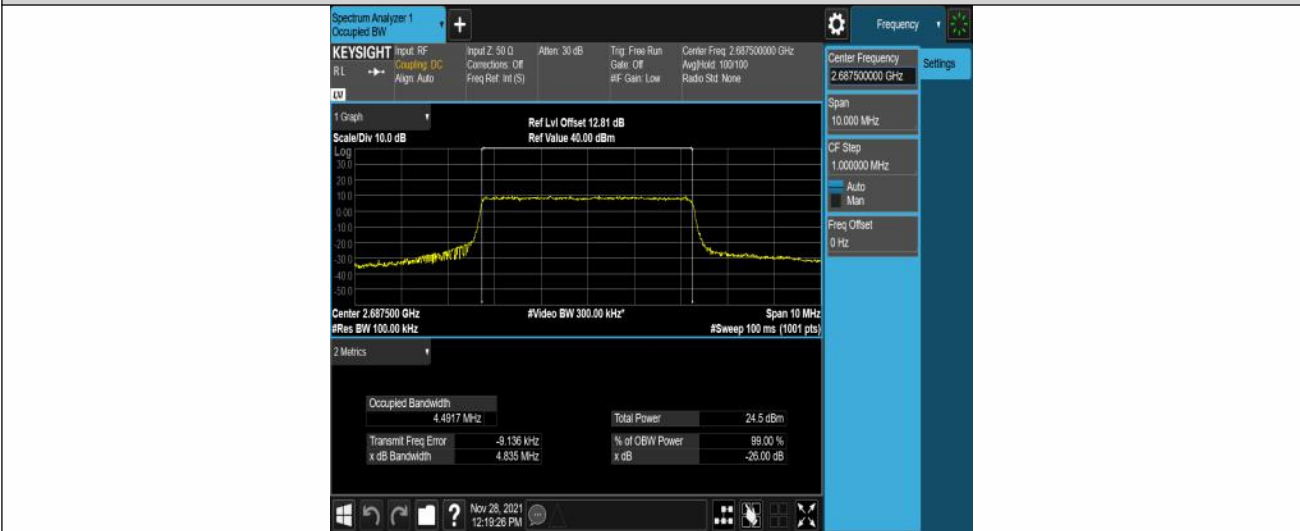
Band41-5MHz-QPSK-41565-25RB#0



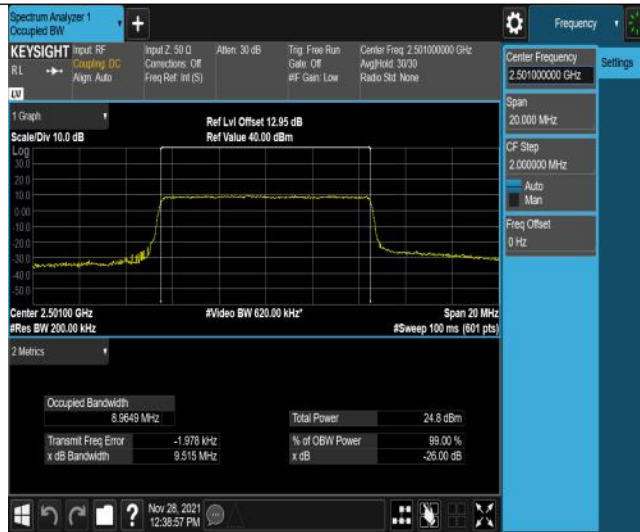
Band41-5MHz-16QAM-39675-25RB#0



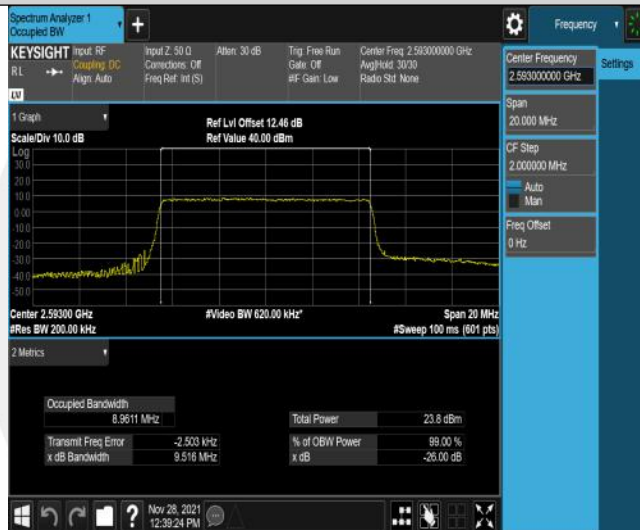
Band41-5MHz-16QAM-40620-25RB#0



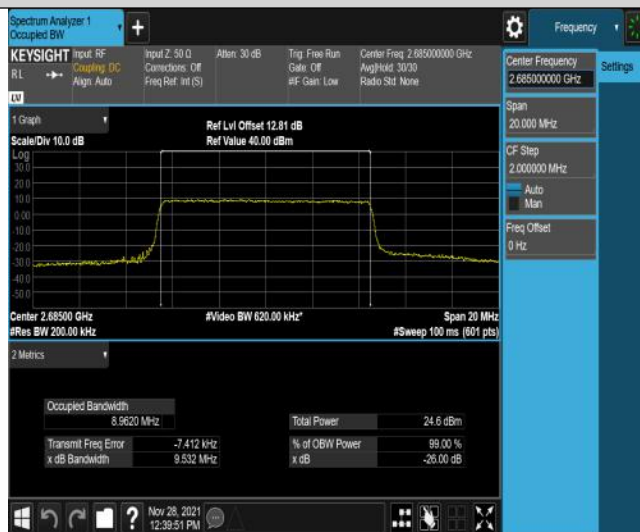
Band41-5MHz-16QAM-41565-25RB#0



Band41-10MHz-QPSK-39700-50RB#0



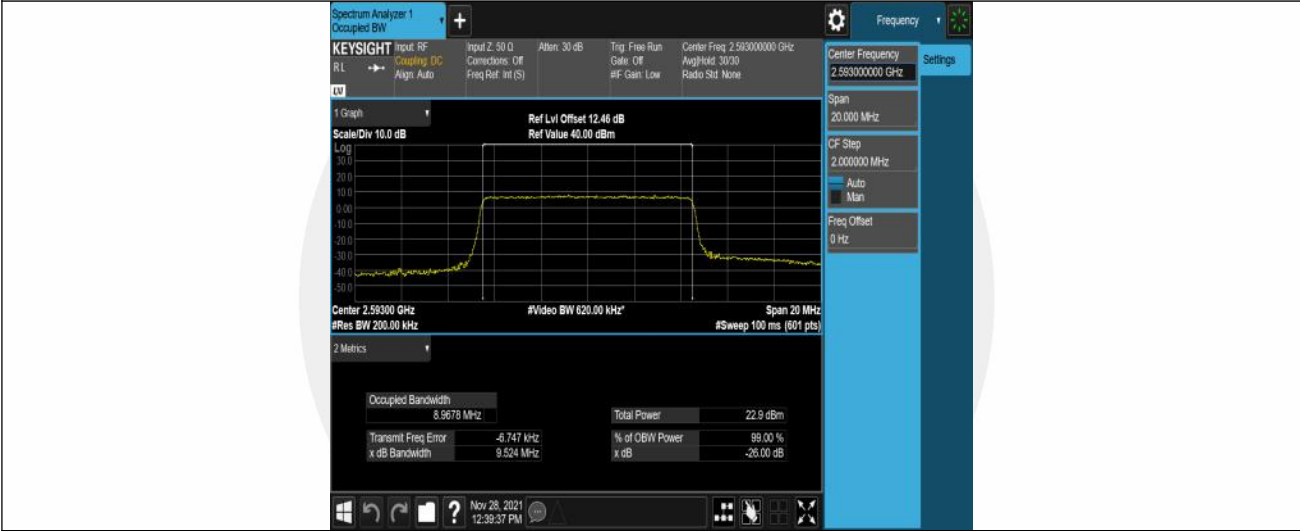
Band41-10MHz-QPSK-40620-50RB#0



Band41-10MHz-QPSK-41540-50RB#0



Band41-10MHz-16QAM-39700-50RB#0



Band41-10MHz-16QAM-40620-50RB#0



Band41-10MHz-16QAM-41540-50RB#0



Band41-15MHz-QPSK-39725-75RB#0



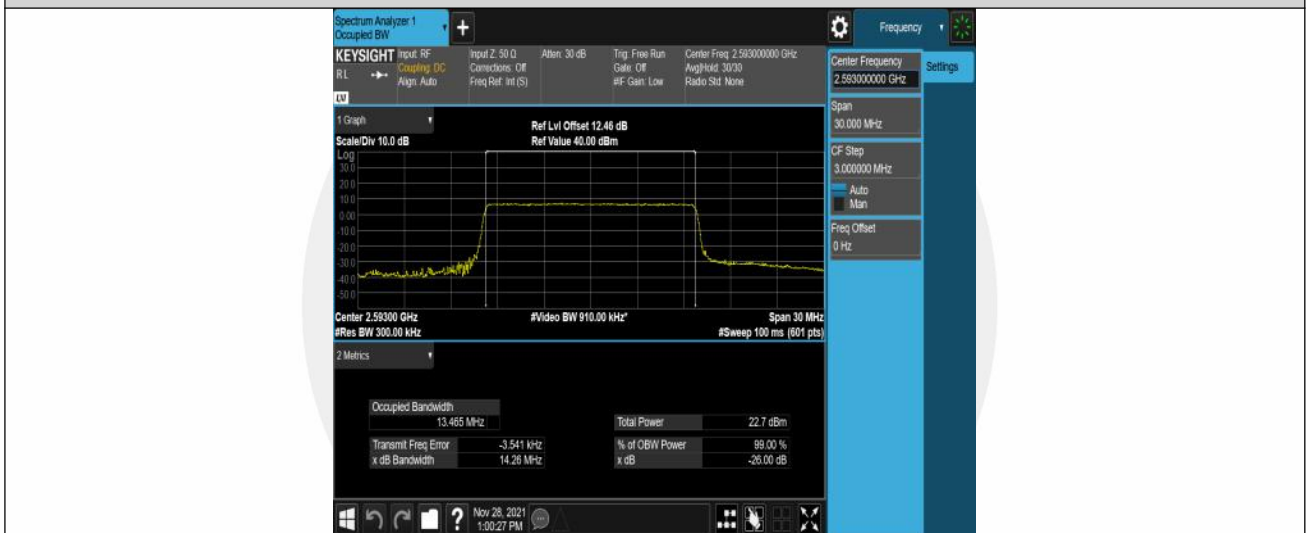
Band41-15MHz-QPSK-40620-75RB#0



Band41-15MHz-QPSK-41515-75RB#0



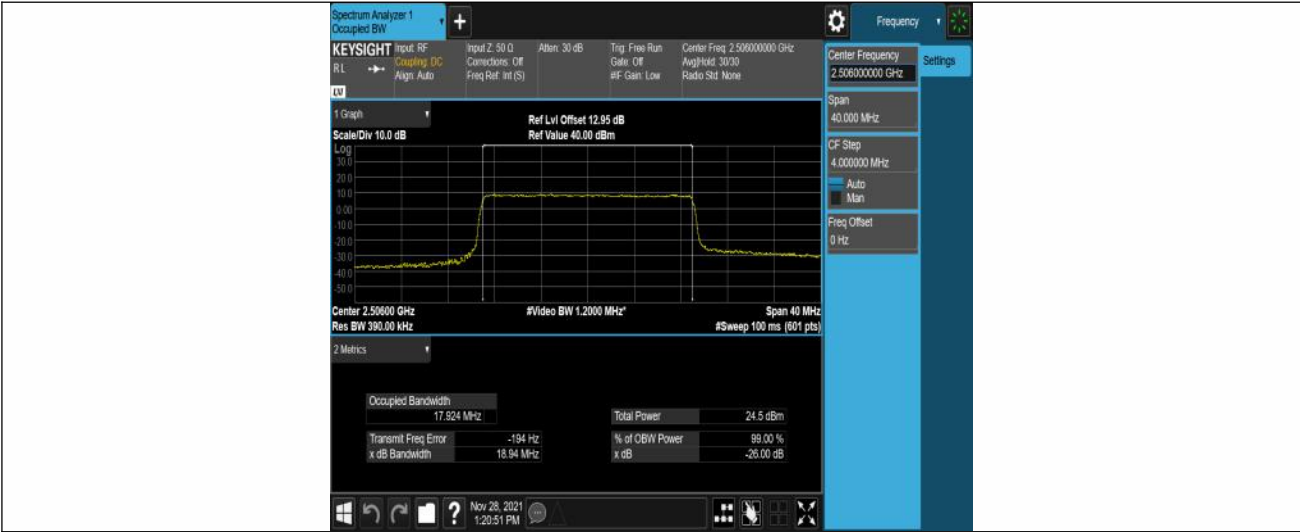
Band41-15MHz-16QAM-39725-75RB#0



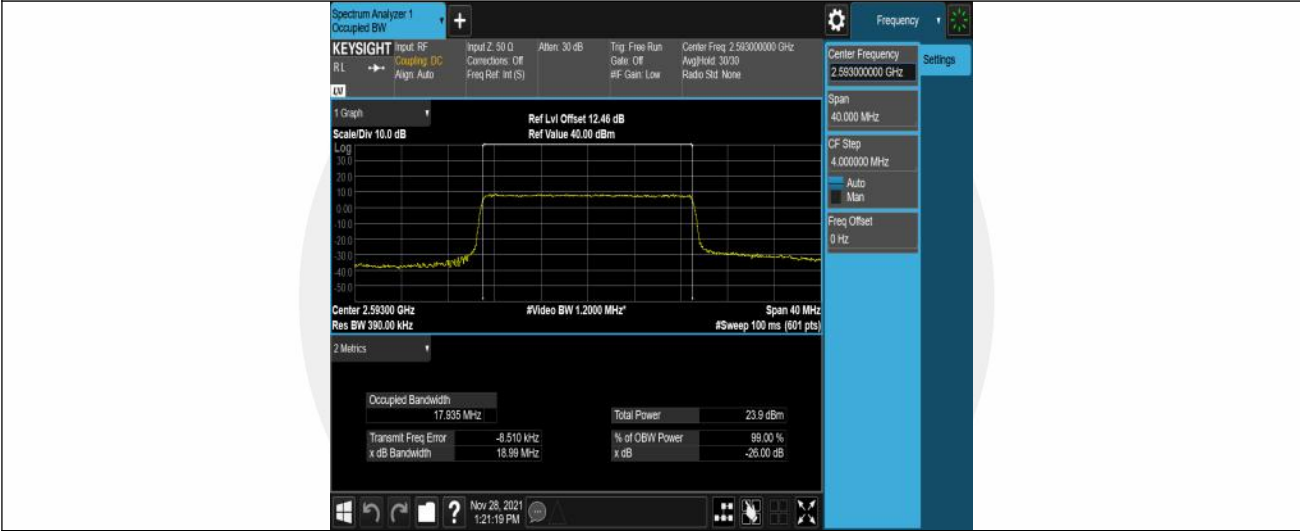
Band41-15MHz-16QAM-40620-75RB#0



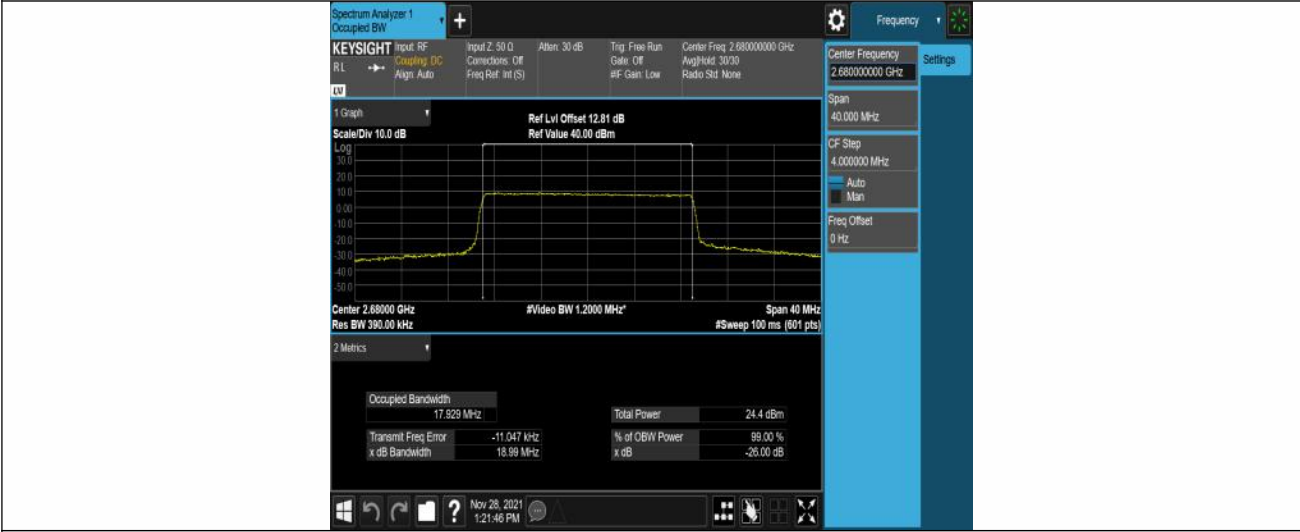
Band41-15MHz-16QAM-41515-75RB#0



Band 41-20MHz-QPSK-39750-100RB#0



Band 41-20MHz-QPSK-40620-100RB#0



Band 41-20MHz-QPSK-41490-100RB#0



Band41-20MHz-16QAM-39750-100RB#0



Band41-20MHz-16QAM-40620-100RB#0



Band41-20MHz-16QAM-41490-100RB#0

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	-47.81,-37.56,-28.54	PASS
Band41	5MHz	QPSK	41565	25RB#0	-27.28,-31.83,-44.95,-45.92	PASS
Band41	5MHz	16QAM	39675	25RB#0	-49.10,-38.89,-29.23	PASS
Band41	5MHz	16QAM	41565	25RB#0	-28.52,-34.84,-45.95,-46.92	PASS
Band41	10MHz	QPSK	39700	50RB#0	-46.21,-37.58,-33.75	PASS
Band41	10MHz	QPSK	41540	50RB#0	-28.99,-29.23,-33.99,-43.44	PASS
Band41	10MHz	16QAM	39700	50RB#0	-45.92,-39.91,-31.66	PASS
Band41	10MHz	16QAM	41540	50RB#0	-30.51,-32.31,-37.65,-43.93	PASS
Band41	15MHz	QPSK	39725	75RB#0	-44.67,-39.92,-31.97	PASS
Band41	15MHz	QPSK	41515	75RB#0	-26.28,-28.70,-31.14,-41.86	PASS
Band41	15MHz	16QAM	39725	75RB#0	-43.22,-39.66,-34.67	PASS
Band41	15MHz	16QAM	41515	75RB#0	-29.75,-29.91,-32.14,-42.02	PASS
Band41	20MHz	QPSK	39750	100RB#0	-47.19,-37.86,-35.58	PASS
Band41	20MHz	QPSK	41490	100RB#0	-28.16,-30.23,-33.46,-44.30	PASS
Band41	20MHz	16QAM	39750	100RB#0	-47.63,-38.27,-33.47	PASS
Band41	20MHz	16QAM	41490	100RB#0	-32.38,-32.36,-35.19,-43.79	PASS

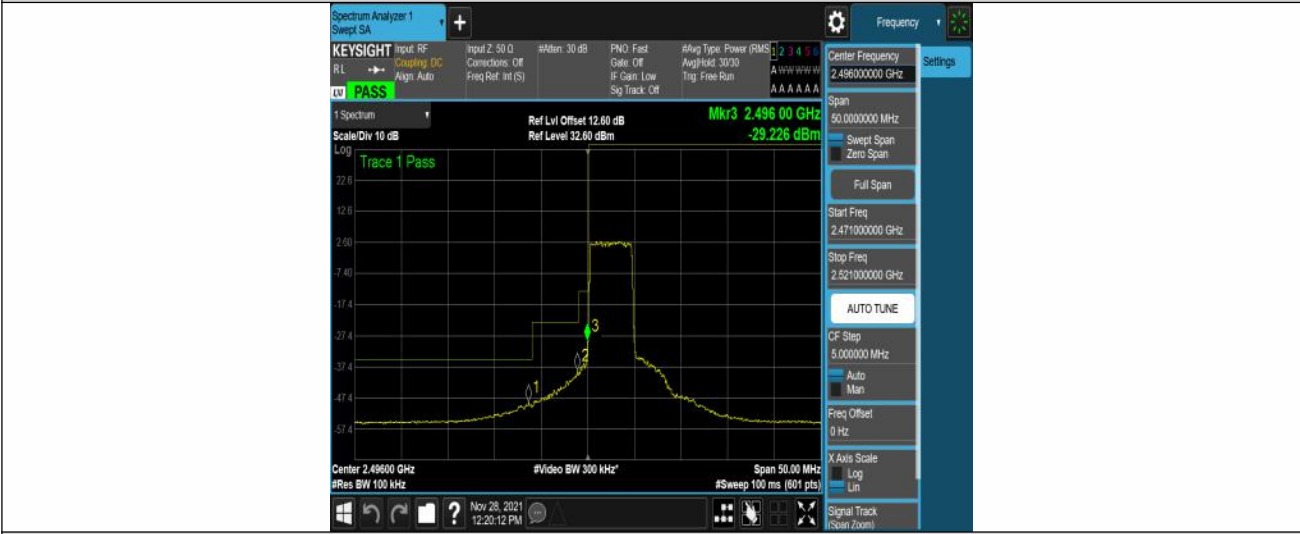
Test Graphs



Band41-5MHz-QPSK-39675-25RB#0



Band41-5MHz-QPSK-41565-25RB#0



Band41-5MHz-16QAM-39675-25RB#0



Band41-5MHz-16QAM-41565-25RB#0



Band41-10MHz-QPSK-39700-50RB#0



Band41-10MHz-QPSK-41540-50RB#0



Band41-10MHz-16QAM-39700-50RB#0



Band41-10MHz-16QAM-41540-50RB#0



Band41-15MHz-QPSK-39725-75RB#0



Band41-15MHz-QPSK-41515-75RB#0



Band41-15MHz-16QAM-39725-75RB#0



Band41-15MHz-16QAM-41515-75RB#0



Band41-20MHz-QPSK-39750-100RB#0



Band41-20MHz-QPSK-41490-100RB#0



Band41-20MHz-16QAM-39750-100RB#0



Band41-20MHz-16QAM-41490-100RB#0



Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	Range1:30~1000MHz	-55.97	PASS
Band41	5MHz	QPSK	39675	25RB#0	Range2:1000~3000MHz	-37.83	PASS
Band41	5MHz	QPSK	39675	25RB#0	Range3:3000~26500MHz	-26.98	PASS
Band41	5MHz	QPSK	40620	25RB#0	Range1:30~1000MHz	-57.17	PASS
Band41	5MHz	QPSK	40620	25RB#0	Range2:1000~3000MHz	-36.89	PASS
Band41	5MHz	QPSK	40620	25RB#0	Range3:3000~26500MHz	-29.71	PASS
Band41	5MHz	QPSK	41565	25RB#0	Range1:30~1000MHz	-53.44	PASS
Band41	5MHz	QPSK	41565	25RB#0	Range2:1000~3000MHz	-37.41	PASS
Band41	5MHz	QPSK	41565	25RB#0	Range3:3000~26500MHz	-31.52	PASS
Band41	5MHz	16QAM	39675	25RB#0	Range1:30~1000MHz	-58.49	PASS
Band41	5MHz	16QAM	39675	25RB#0	Range2:1000~3000MHz	-36.85	PASS
Band41	5MHz	16QAM	39675	25RB#0	Range3:3000~26500MHz	-48.72	PASS
Band41	5MHz	16QAM	40620	25RB#0	Range1:30~1000MHz	-53.74	PASS
Band41	5MHz	16QAM	40620	25RB#0	Range2:1000~3000MHz	-37.2	PASS
Band41	5MHz	16QAM	40620	25RB#0	Range3:3000~26500MHz	-29.07	PASS
Band41	5MHz	16QAM	41565	25RB#0	Range1:30~1000MHz	-53.74	PASS
Band41	5MHz	16QAM	41565	25RB#0	Range2:1000~	-37.77	PASS

					3000MHz		
Band41	5MHz	16QAM	41565	25RB#0	Range3:3000~26500MHz	-30.81	PASS
Band41	10MHz	QPSK	39700	50RB#0	Range1:30~1000MHz	-57.16	PASS
Band41	10MHz	QPSK	39700	50RB#0	Range2:1000~3000MHz	-37.45	PASS
Band41	10MHz	QPSK	39700	50RB#0	Range3:3000~26500MHz	-29.52	PASS
Band41	10MHz	QPSK	40620	50RB#0	Range1:30~1000MHz	-51.34	PASS
Band41	10MHz	QPSK	40620	50RB#0	Range2:1000~3000MHz	-38.01	PASS
Band41	10MHz	QPSK	40620	50RB#0	Range3:3000~26500MHz	-31.05	PASS
Band41	10MHz	QPSK	41540	50RB#0	Range1:30~1000MHz	-56.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	Range2:1000~3000MHz	-37.15	PASS
Band41	10MHz	QPSK	41540	50RB#0	Range3:3000~26500MHz	-29.88	PASS
Band41	10MHz	16QAM	39700	50RB#0	Range1:30~1000MHz	-58.34	PASS
Band41	10MHz	16QAM	39700	50RB#0	Range2:1000~3000MHz	-37.83	PASS
Band41	10MHz	16QAM	39700	50RB#0	Range3:3000~26500MHz	-29.22	PASS
Band41	10MHz	16QAM	40620	50RB#0	Range1:30~1000MHz	-50.87	PASS
Band41	10MHz	16QAM	40620	50RB#0	Range2:1000~3000MHz	-37.62	PASS
Band41	10MHz	16QAM	40620	50RB#0	Range3:3000~26500MHz	-29.58	PASS
Band41	10MHz	16QAM	41540	50RB#0	Range1:30~1000MHz	-55.25	PASS
Band41	10MHz	16QAM	41540	50RB#0	Range2:1000~3000MHz	-35.31	PASS

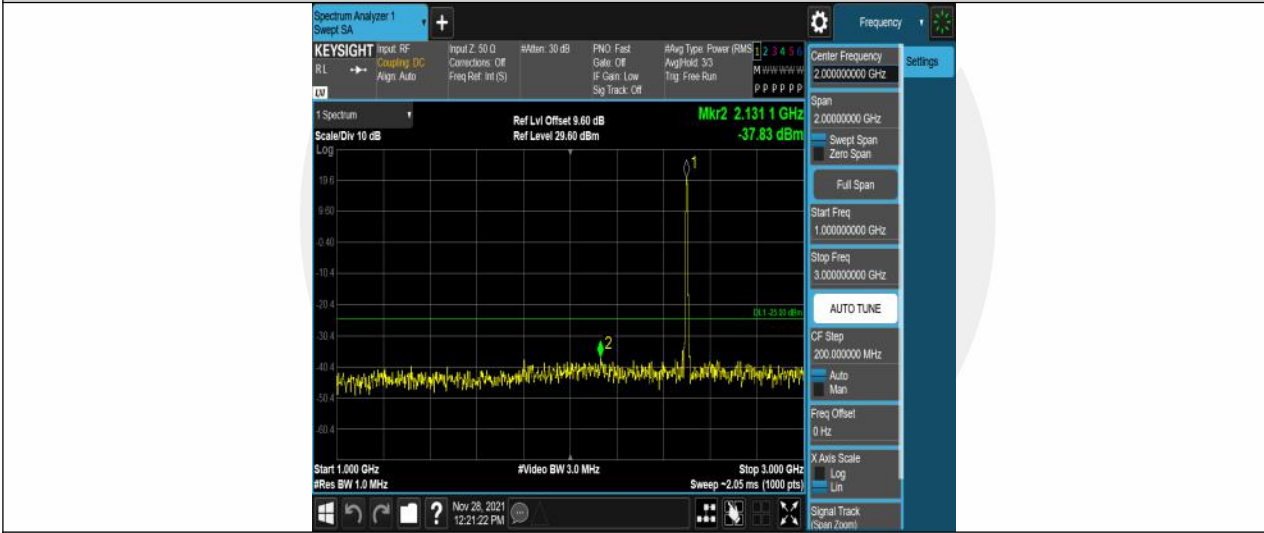
Band41	10MHz	16QAM	41540	50RB#0	Range3:3000~26500MHz	-48.37	PASS
Band41	15MHz	QPSK	39725	75RB#0	Range1:30~1000MHz	-55.93	PASS
Band41	15MHz	QPSK	39725	75RB#0	Range2:1000~3000MHz	-37.18	PASS
Band41	15MHz	QPSK	39725	75RB#0	Range3:3000~26500MHz	-31.89	PASS
Band41	15MHz	QPSK	40620	75RB#0	Range1:30~1000MHz	-52.83	PASS
Band41	15MHz	QPSK	40620	75RB#0	Range2:1000~3000MHz	-37.75	PASS
Band41	15MHz	QPSK	40620	75RB#0	Range3:3000~26500MHz	-34.25	PASS
Band41	15MHz	QPSK	41515	75RB#0	Range1:30~1000MHz	-55.69	PASS
Band41	15MHz	QPSK	41515	75RB#0	Range2:1000~3000MHz	-36.48	PASS
Band41	15MHz	QPSK	41515	75RB#0	Range3:3000~26500MHz	-33.53	PASS
Band41	15MHz	16QAM	39725	75RB#0	Range1:30~1000MHz	-57.44	PASS
Band41	15MHz	16QAM	39725	75RB#0	Range2:1000~3000MHz	-37.74	PASS
Band41	15MHz	16QAM	39725	75RB#0	Range3:3000~26500MHz	-34.83	PASS
Band41	15MHz	16QAM	40620	75RB#0	Range1:30~1000MHz	-56.33	PASS
Band41	15MHz	16QAM	40620	75RB#0	Range2:1000~3000MHz	-36.65	PASS
Band41	15MHz	16QAM	40620	75RB#0	Range3:3000~26500MHz	-33.22	PASS
Band41	15MHz	16QAM	41515	75RB#0	Range1:30~1000MHz	-55.69	PASS
Band41	15MHz	16QAM	41515	75RB#0	Range2:1000~3000MHz	-36.71	PASS
Band41	15MHz	16QAM	41515	75RB#0	Range3:3000~	-34.52	PASS

					26500MHz		
Band41	20MHz	QPSK	39750	100RB#0	Range1:30~1000MHz	-55.94	PASS
Band41	20MHz	QPSK	39750	100RB#0	Range2:1000~3000MHz	-37.41	PASS
Band41	20MHz	QPSK	39750	100RB#0	Range3:3000~26500MHz	-33.99	PASS
Band41	20MHz	QPSK	40620	100RB#0	Range1:30~1000MHz	-54.67	PASS
Band41	20MHz	QPSK	40620	100RB#0	Range2:1000~3000MHz	-37.34	PASS
Band41	20MHz	QPSK	40620	100RB#0	Range3:3000~26500MHz	-35.19	PASS
Band41	20MHz	QPSK	41490	100RB#0	Range1:30~1000MHz	-57.61	PASS
Band41	20MHz	QPSK	41490	100RB#0	Range2:1000~3000MHz	-37.05	PASS
Band41	20MHz	QPSK	41490	100RB#0	Range3:3000~26500MHz	-33.96	PASS
Band41	20MHz	16QAM	39750	100RB#0	Range1:30~1000MHz	-56.55	PASS
Band41	20MHz	16QAM	39750	100RB#0	Range2:1000~3000MHz	-37.01	PASS
Band41	20MHz	16QAM	39750	100RB#0	Range3:3000~26500MHz	-49.02	PASS
Band41	20MHz	16QAM	40620	100RB#0	Range1:30~1000MHz	-57.09	PASS
Band41	20MHz	16QAM	40620	100RB#0	Range2:1000~3000MHz	-37.16	PASS
Band41	20MHz	16QAM	40620	100RB#0	Range3:3000~26500MHz	-34.1	PASS
Band41	20MHz	16QAM	41490	100RB#0	Range1:30~1000MHz	-55.57	PASS
Band41	20MHz	16QAM	41490	100RB#0	Range2:1000~3000MHz	-37.49	PASS
Band41	20MHz	16QAM	41490	100RB#0	Range3:3000~26500MHz	-35.98	PASS

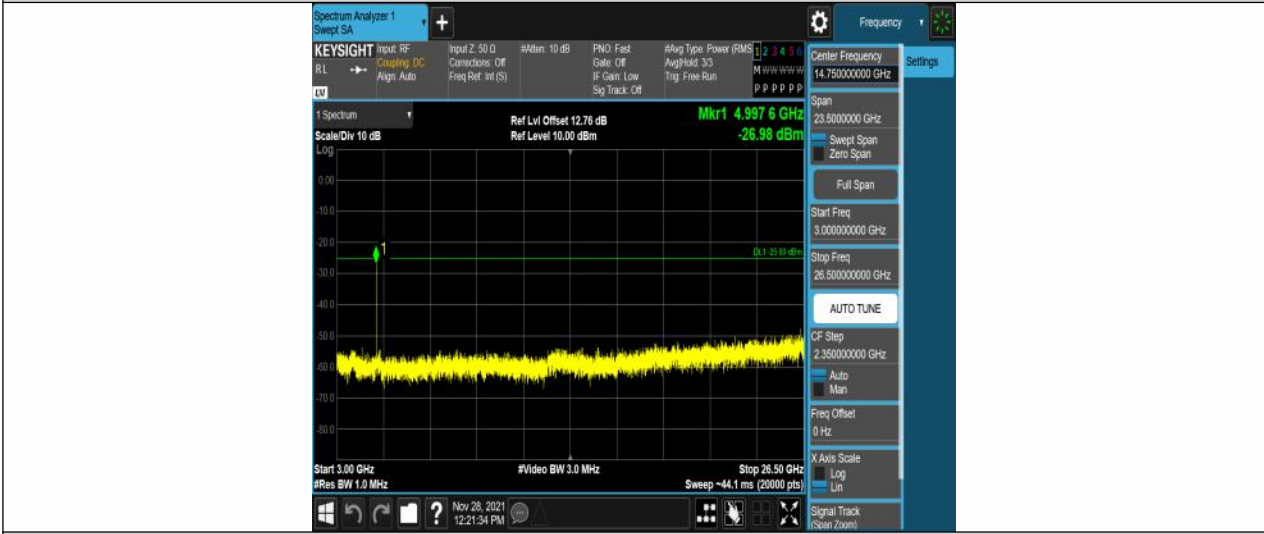
Test Graphs



Band41-5MHz-QPSK-39675-25RB#0-Range1:30~1000MHz



Band41-5MHz-QPSK-39675-25RB#0-Range2:1000~3000MHz



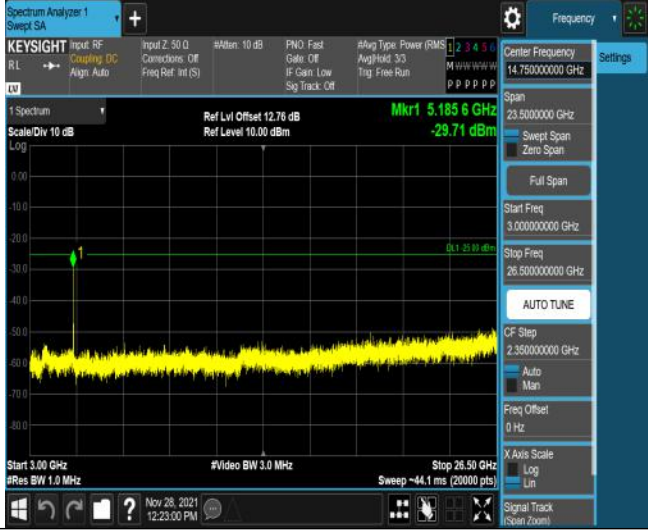
Band41-5MHz-QPSK-39675-25RB#0-Range3:3000~26500MHz



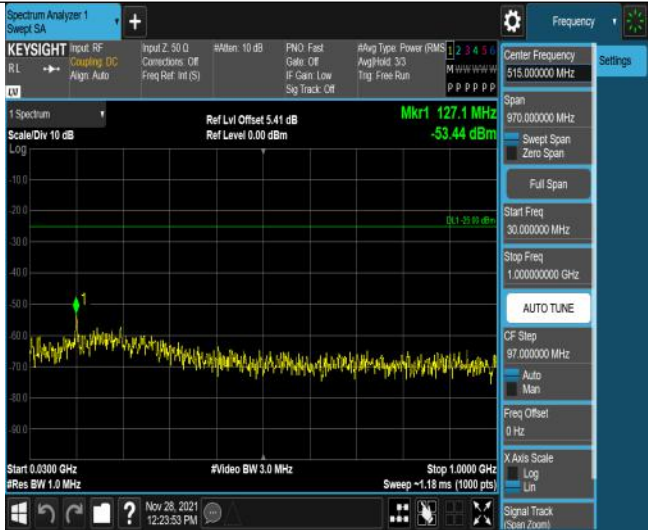
Band41-5MHz-QPSK-40620-25RB#0-Range1:30~1000MHz



Band41-5MHz-QPSK-40620-25RB#0-Range2:1000~3000MHz



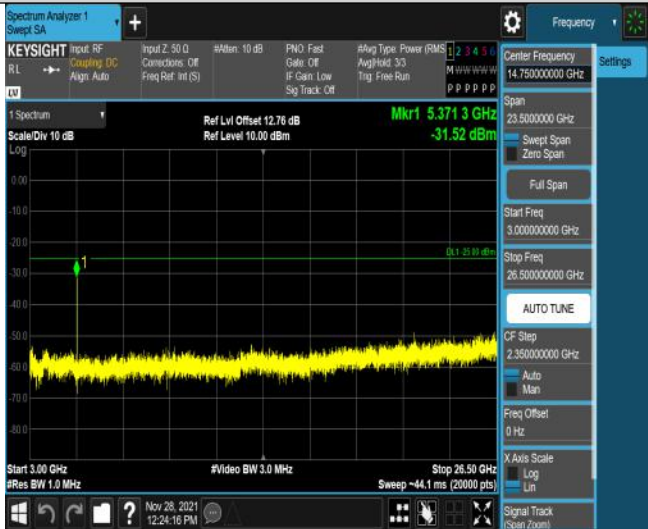
Band41-5MHz-QPSK-40620-25RB#0-Range3:3000~26500MHz



Band41-5MHz-QPSK-41565-25RB#0-Range1:30~1000MHz



Band41-5MHz-QPSK-41565-25RB#0-Range2:1000~3000MHz



Band41-5MHz-QPSK-41565-25RB#0-Range3:3000~26500MHz



Band41-5MHz-16QAM-39675-25RB#0-Range1:30~1000MHz



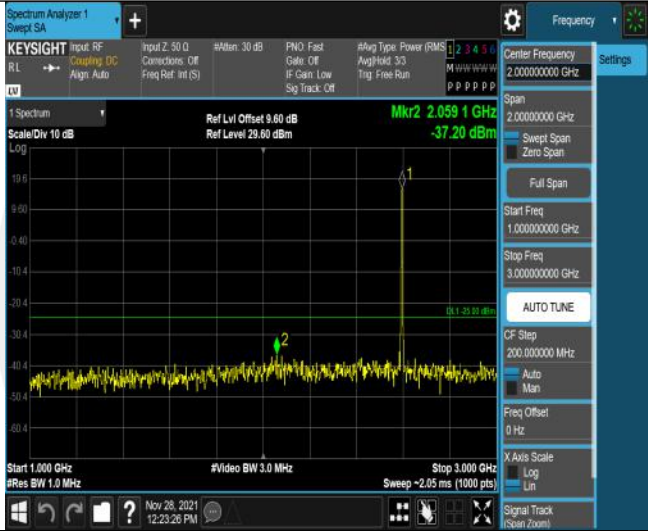
Band41-5MHz-16QAM-39675-25RB#0-Range2:1000~3000MHz



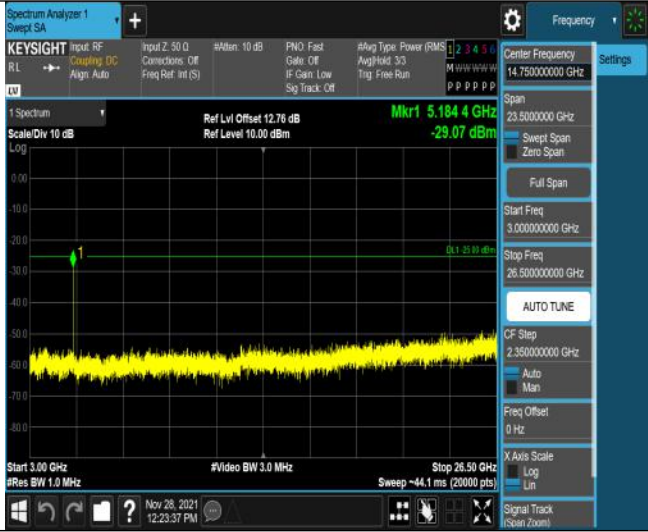
Band41-5MHz-16QAM-39675-25RB#0-Range3:3000~26500MHz



Band41-5MHz-16QAM-40620-25RB#0-Range1:30~1000MHz



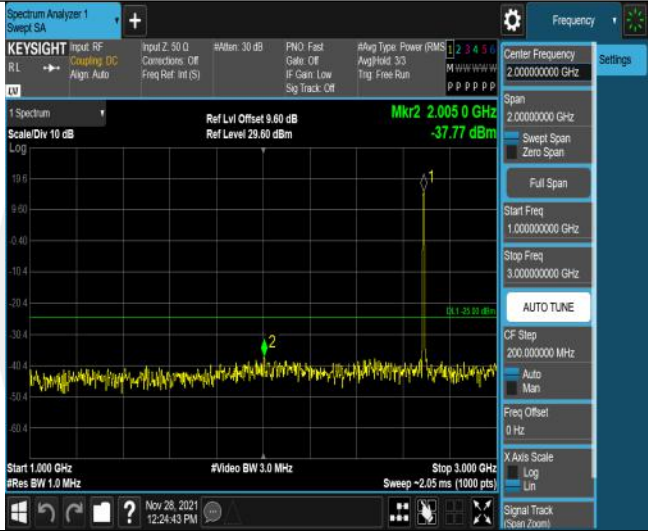
Band41-5MHz-16QAM-40620-25RB#0-Range2:1000~3000MHz



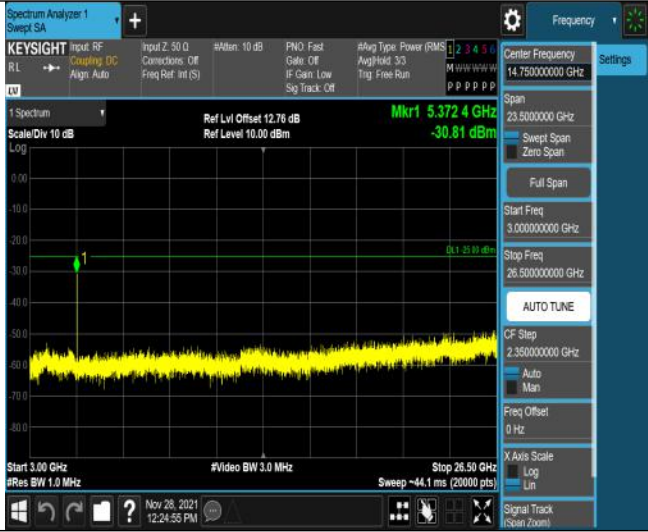
Band41-5MHz-16QAM-40620-25RB#0-Range3:3000~26500MHz



Band41-5MHz-16QAM-41565-25RB#0-Range1:30~1000MHz



Band41-5MHz-16QAM-41565-25RB#0-Range2:1000~3000MHz



Band41-5MHz-16QAM-41565-25RB#0-Range3:3000~26500MHz



Band41-10MHz-QPSK-39700-50RB#0-Range1:30~1000MHz



Band41-10MHz-QPSK-39700-50RB#0-Range2:1000~3000MHz



Band41-10MHz-QPSK-39700-50RB#0-Range3:3000~26500MHz



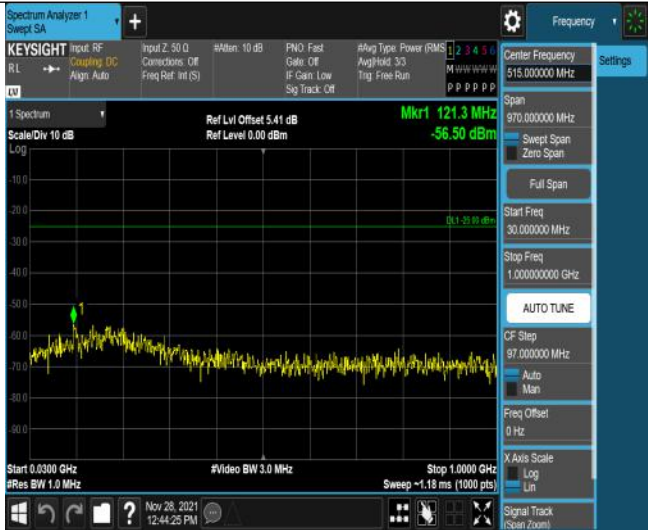
Band41-10MHz-QPSK-40620-50RB#0-Range1:30~1000MHz



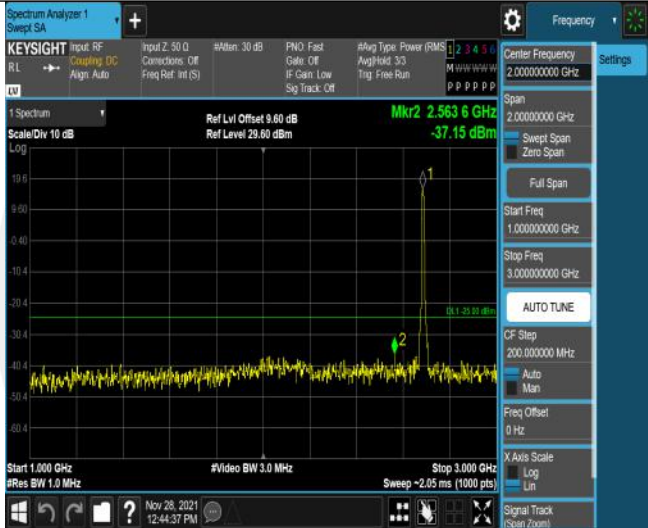
Band41-10MHz-QPSK-40620-50RB#0-Range2:1000~3000MHz



Band41-10MHz-QPSK-40620-50RB#0-Range3:3000~26500MHz



Band41-10MHz-QPSK-41540-50RB#0-Range1:30~1000MHz



Band41-10MHz-QPSK-41540-50RB#0-Range2:1000~3000MHz



Band41-10MHz-QPSK-41540-50RB#0-Range3:3000~26500MHz



Band41-10MHz-16QAM-39700-50RB#0-Range1:30~1000MHz



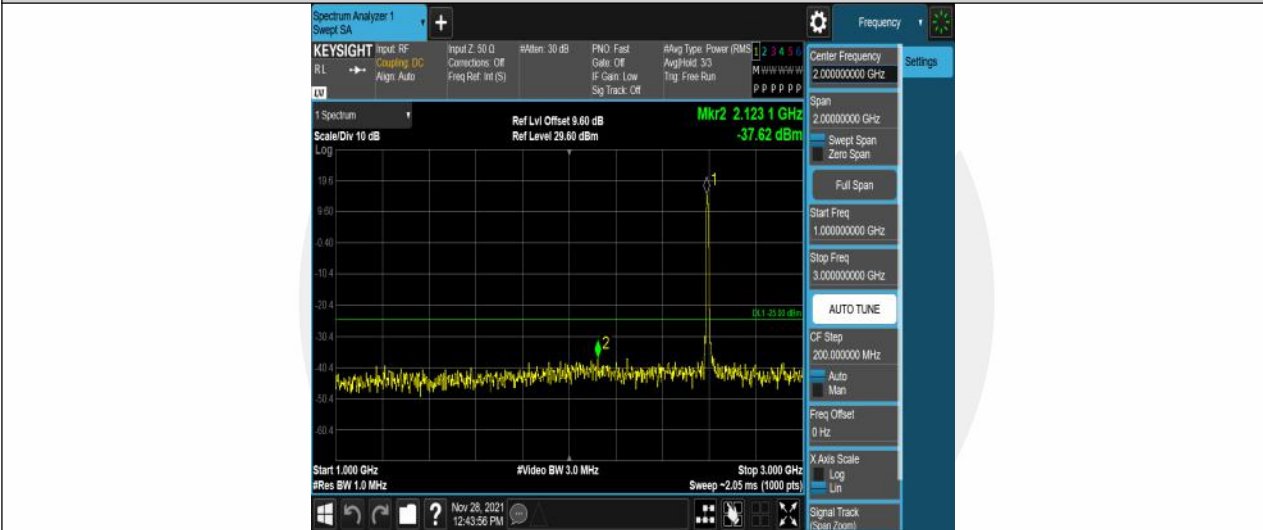
Band41-10MHz-16QAM-39700-50RB#0-Range2:1000~3000MHz



Band41-10MHz-16QAM-39700-50RB#0-Range3:3000~26500MHz



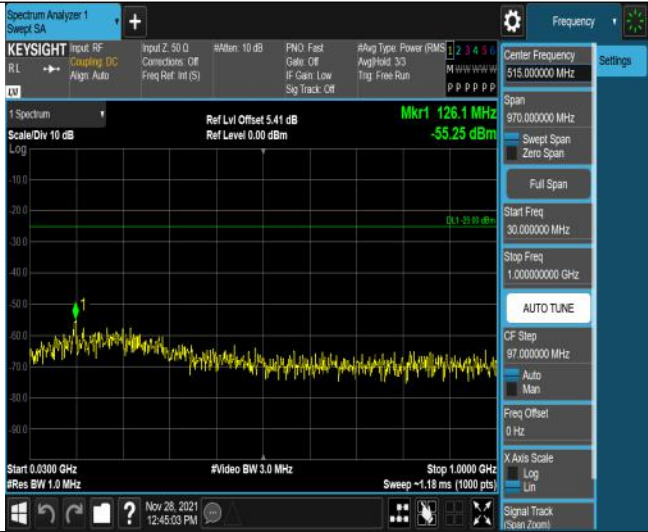
Band41-10MHz-16QAM-40620-50RB#0-Range1:30~1000MHz



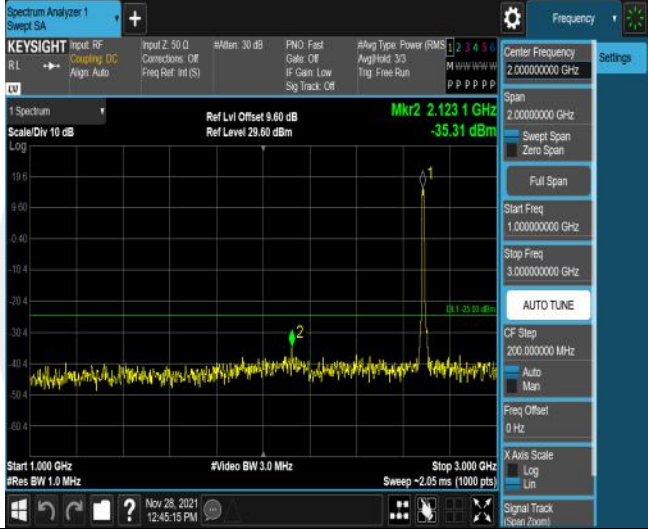
Band41-10MHz-16QAM-40620-50RB#0-Range2:1000~3000MHz



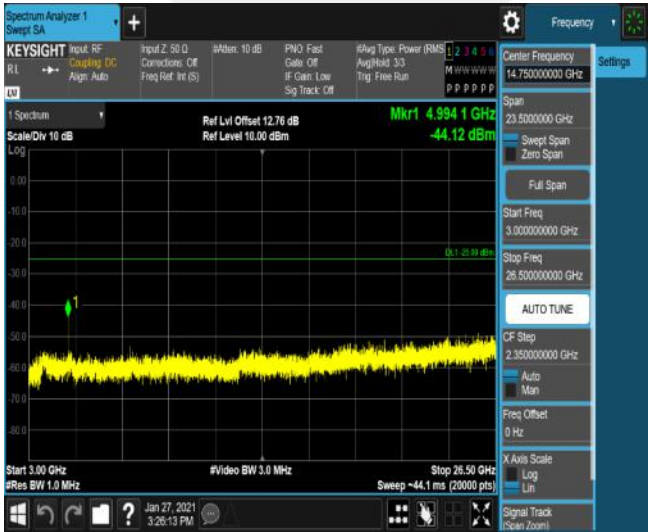
Band41-10MHz-16QAM-40620-50RB#0-Range3:3000~26500MHz



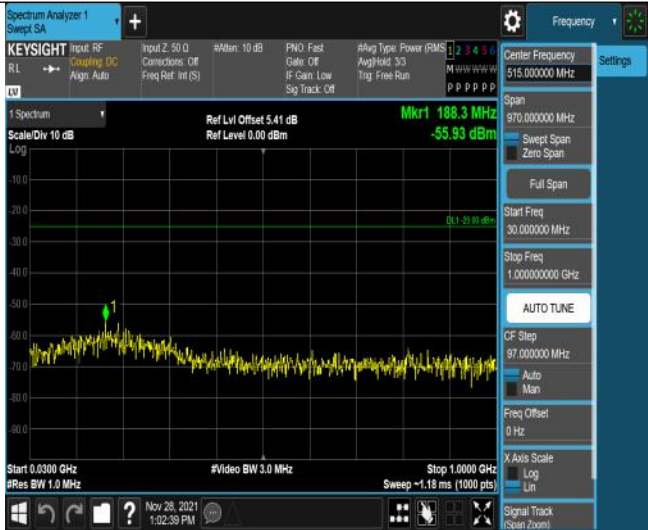
Band41-10MHz-16QAM-41540-50RB#0-Range1:30~100MHz



Band41-10MHz-16QAM-41540-50RB#0-Range2:1000~3000MHz



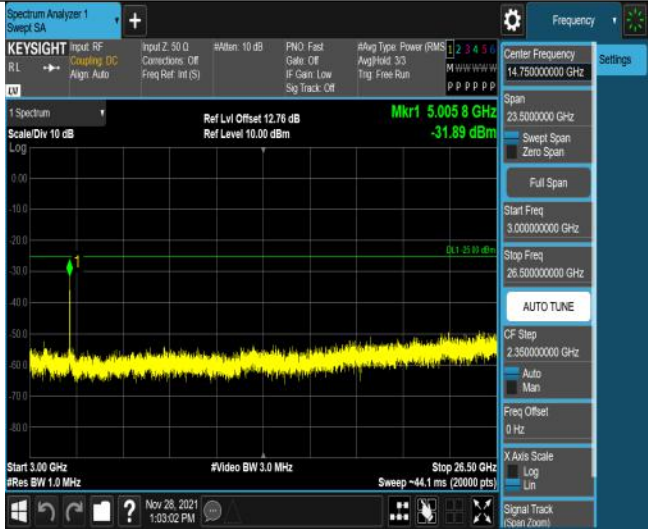
Band41-10MHz-16QAM-41540-50RB#0-Range3:3000~26500MHz



Band41-15MHz-QPSK-39725-75RB#0-Range1:30~1000MHz



Band41-15MHz-QPSK-39725-75RB#0-Range2:1000~3000MHz



Band41-15MHz-QPSK-39725-75RB#0-Range3:3000~26500MHz



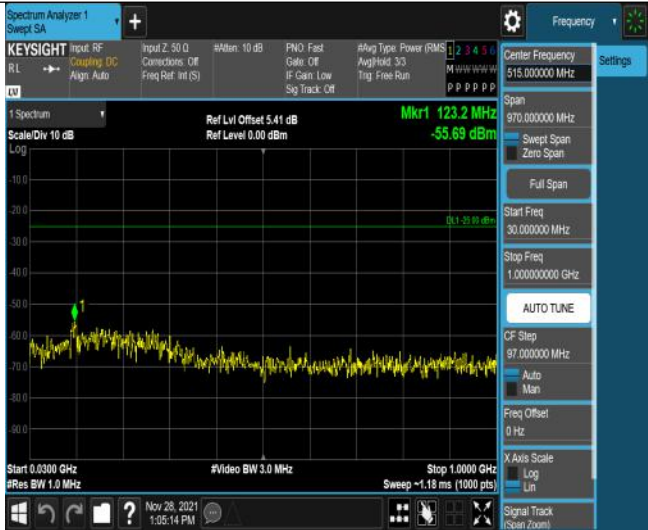
Band41-15MHz-QPSK-40620-75RB#0-Range1:30~1000MHz



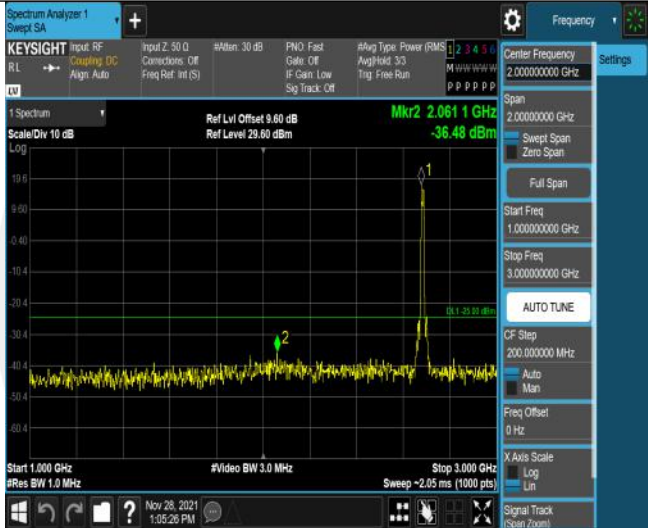
Band41-15MHz-QPSK-40620-75RB#0-Range2:1000~3000MHz



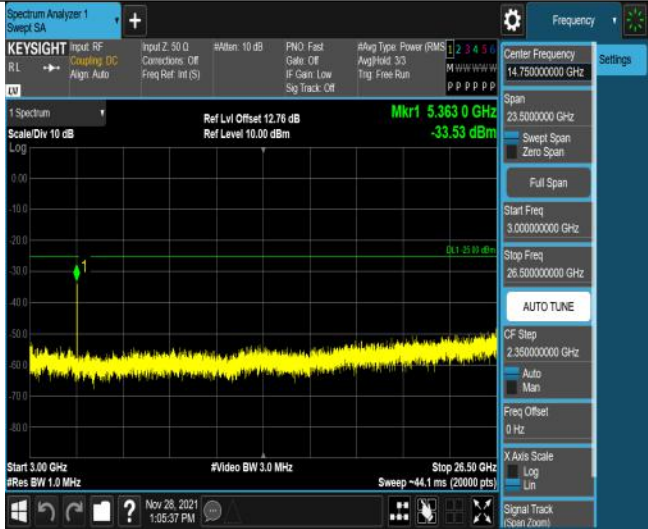
Band41-15MHz-QPSK-40620-75RB#0-Range3:3000~26500MHz



Band41-15MHz-QPSK-41515-75RB#0-Range1:30~1000MHz



Band41-15MHz-QPSK-41515-75RB#0-Range2:1000~3000MHz



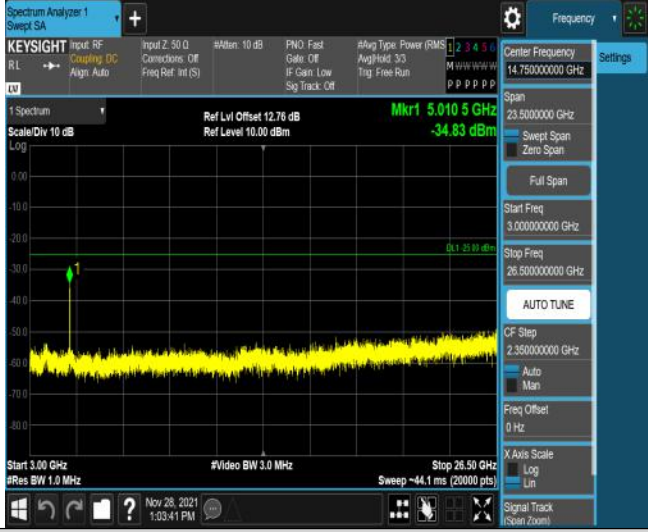
Band41-15MHz-QPSK-41515-75RB#0-Range3:3000~26500MHz



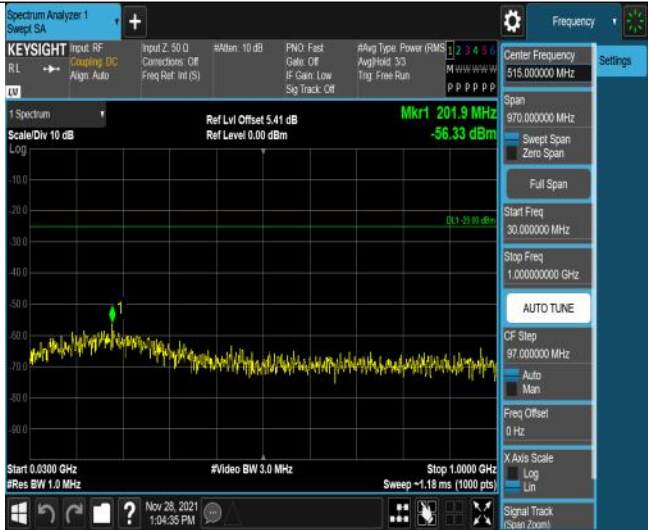
Band41-15MHz-16QAM-39725-75RB#0-Range1:30~1000MHz



Band41-15MHz-16QAM-39725-75RB#0-Range2:1000~3000MHz



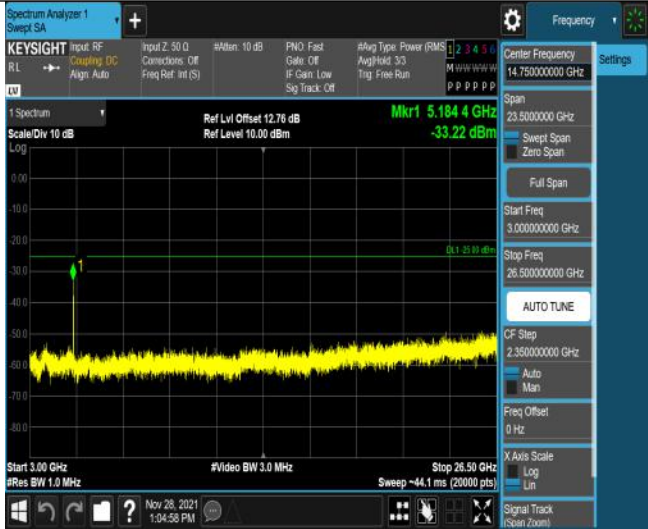
Band41-15MHz-16QAM-39725-75RB#0-Range3:3000~26500MHz



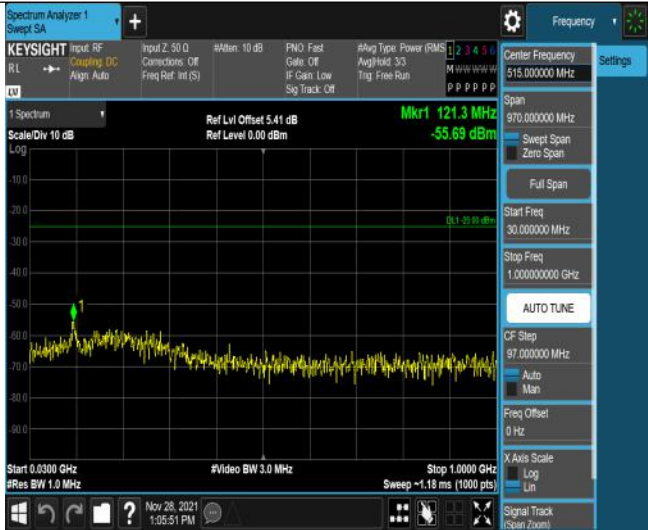
Band41-15MHz-16QAM-40620-75RB#0-Range1:30~100MHz



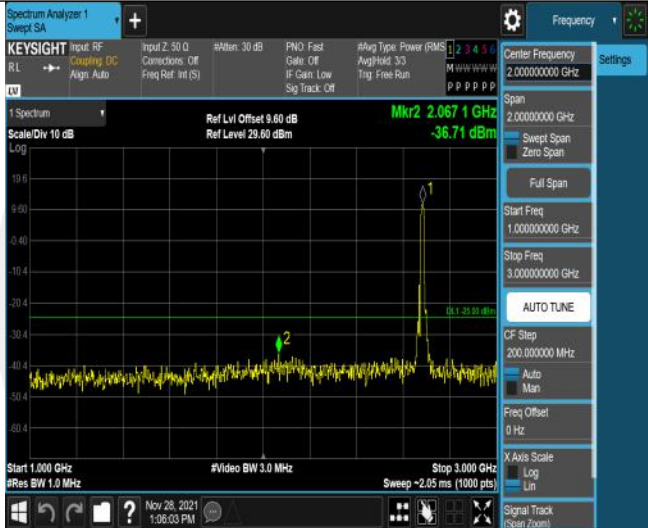
Band41-15MHz-16QAM-40620-75RB#0-Range2:100~3000MHz



Band41-15MHz-16QAM-40620-75RB#0-Range3:3000~26500MHz



Band41-15MHz-16QAM-41515-75RB#0-Range1:30~1000MHz



Band41-15MHz-16QAM-41515-75RB#0-Range2:1000~3000MHz



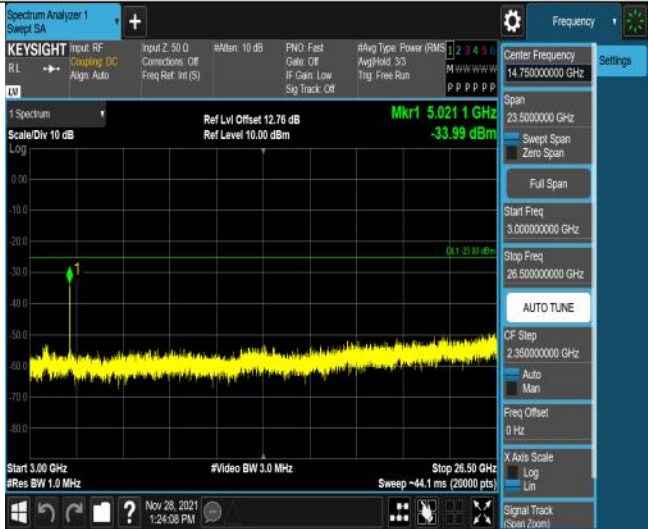
Band41-15MHz-16QAM-41515-75RB#0-Range3:3000~26500MHz



Band41-20MHz-QPSK-39750-100RB#0-Range1:30~1000MHz



Band41-20MHz-QPSK-39750-100RB#0-Range2:1000~3000MHz



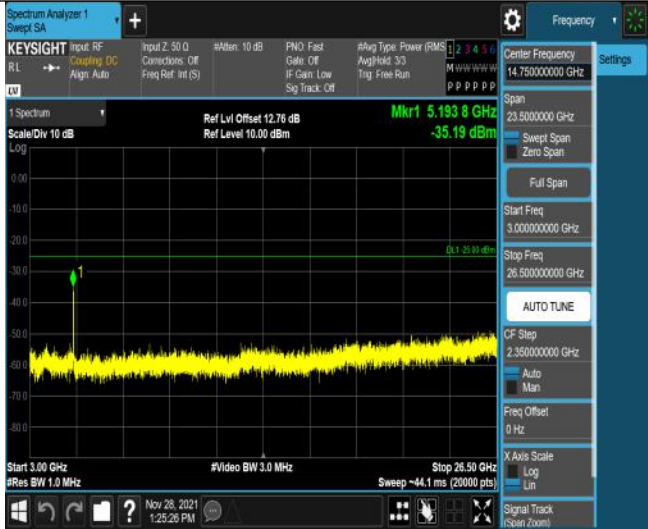
Band41-20MHz-QPSK-39750-100RB#0-Range3:3000~26500MHz



Band41-20MHz-QPSK-40620-100RB#0-Range1:30~1000MHz



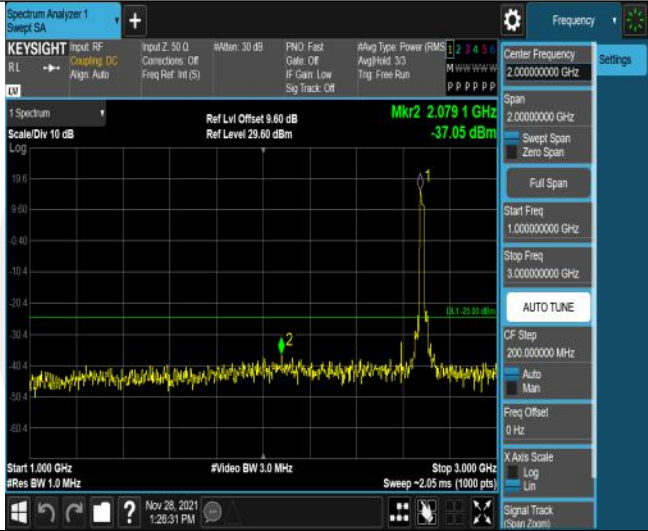
Band41-20MHz-QPSK-40620-100RB#0-Range2:1000~3000MHz



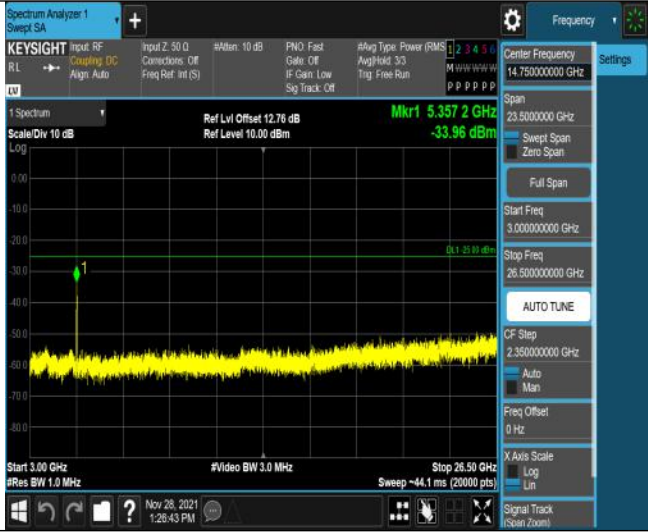
Band41-20MHz-QPSK-40620-100RB#0-Range3:3000~26500MHz



Band41-20MHz-QPSK-41490-100RB#0-Range1:30~1000MHz



Band41-20MHz-QPSK-41490-100RB#0-Range2:1000~3000MHz



Band41-20MHz-QPSK-41490-100RB#0-Range3:3000~26500MHz



Band41-20MHz-16QAM-39750-100RB#0-Range1:30~1000MHz



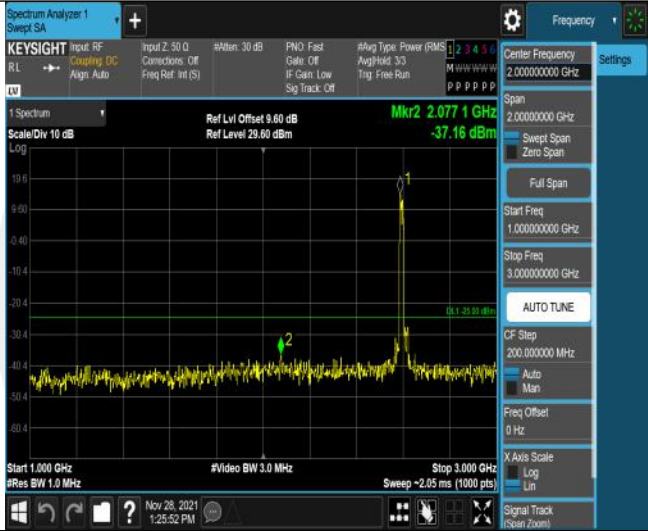
Band41-20MHz-16QAM-39750-100RB#0-Range2:1000~3000MHz



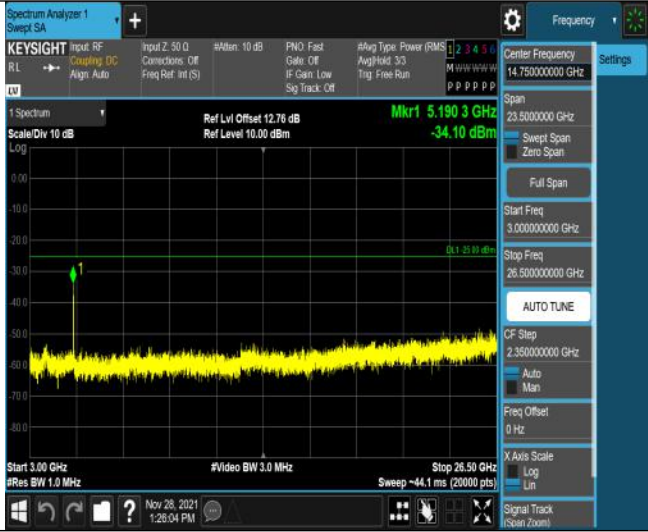
Band41-20MHz-16QAM-39750-100RB#0-Range3:3000~26500MHz



Band4 1-20MHz-16QAM-40620-100RB#0-Range1:30~1000MHz



Band4 1-20MHz-16QAM-40620-100RB#0-Range2:1000~3000MHz



Band4 1-20MHz-16QAM-40620-100RB#0-Range3:3000~26500MHz

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	VL	NT	10.17	0.004070	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	VN	NT	11.09	0.004439	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	VH	NT	13.56	0.005427	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	VL	NT	11.59	0.004470	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	VN	NT	12.07	0.004655	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	VH	NT	17.28	0.006664	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	VL	NT	9.76	0.003632	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	VN	NT	12.27	0.004566	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	VH	NT	8.40	0.003126	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	VL	NT	18.20	0.007284	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	VN	NT	14.22	0.005691	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	VH	NT	8.94	0.003578	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	VL	NT	17.14	0.006610	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	VN	NT	18.01	0.006946	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	VH	NT	14.05	0.005418	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	VL	NT	20.80	0.007740	±2.5	PASS

Band41	5MHz	16QAM	41565	25RB#0	VN	NT	11.50	0.00427 9	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	VH	NT	10.81	0.00402 2	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VL	NT	24.16	0.00966 0	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VN	NT	18.08	0.00722 9	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VH	NT	17.09	0.00683 3	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VL	NT	20.33	0.00784 0	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VN	NT	15.52	0.00598 5	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VH	NT	11.73	0.00452 4	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VL	NT	7.15	0.00266 3	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VN	NT	6.55	0.00243 9	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VH	NT	9.96	0.00370 9	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	VL	NT	13.38	0.00535 0	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	VN	NT	14.13	0.00565 0	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	VH	NT	14.92	0.00596 6	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	VL	NT	12.67	0.00488 6	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	VN	NT	12.52	0.00482 8	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	VH	NT	14.85	0.00572 7	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	VL	NT	3.53	0.00131 5	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	VN	NT	16.58	0.00617	±2.5	PASS

								5		
Band41	10MHz	16QAM	41540	50RB#0	VH	NT	-6.95	-0.0025 88	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	VL	NT	-5.68	-0.0022 69	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	VN	NT	10.61	0.00423 8	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	VH	NT	-6.15	-0.0024 57	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	VL	NT	14.51	0.00559 6	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	VN	NT	14.10	0.00543 8	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	VH	NT	12.73	0.00490 9	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	VL	NT	11.90	0.00443 6	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	VN	NT	16.99	0.00633 4	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	VH	NT	6.04	0.00225 2	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	VL	NT	9.48	0.00378 7	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	VN	NT	-5.72	-0.0022 85	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	VH	NT	-10.60	-0.0042 34	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	VL	NT	17.02	0.00656 4	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	VN	NT	9.96	0.00384 1	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	VH	NT	13.50	0.00520 6	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	VL	NT	12.99	0.00484 2	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	VN	NT	11.89	0.00443 2	±2.5	PASS

Band41	15MHz	16QAM	41515	75RB#0	VH	NT	12.39	0.00461 9	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	13.33	0.00531 9	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	27.45	0.01095 4	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	21.73	0.00867 1	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	11.69	0.00450 8	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	27.47	0.01059 4	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	15.44	0.00595 4	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	13.18	0.00491 8	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	8.41	0.00313 8	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	9.61	0.00358 6	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	14.00	0.00558 7	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	15.09	0.00602 2	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	21.04	0.00839 6	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	10.49	0.00404 6	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	16.18	0.00624 0	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	17.27	0.00666 0	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	11.06	0.00412 7	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	14.59	0.00544 4	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	9.60	0.00358	±2.5	PASS

								2		
--	--	--	--	--	--	--	--	---	--	--

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	NV	-30	12.03	0.004815	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-20	9.33	0.003734	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-10	19.96	0.007989	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	0	9.01	0.003606	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	10	10.30	0.004122	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	20	9.83	0.003934	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	30	11.09	0.004439	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	40	10.00	0.004002	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	50	9.37	0.003750	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-30	13.38	0.005160	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-20	11.20	0.004319	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-10	12.20	0.004705	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	0	15.48	0.005970	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	10	12.16	0.004690	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	20	15.81	0.006097	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	30	9.96	0.003841	±2.5	PASS

Band41	5MHz	QPSK	40620	25RB#0	NV	40	11.89	0.00458 5	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	50	14.49	0.00558 8	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-30	5.71	0.00212 5	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-20	13.55	0.00504 2	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-10	8.67	0.00322 6	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	0	13.90	0.00517 2	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	10	13.48	0.00501 6	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	20	13.88	0.00516 5	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	30	9.48	0.00352 7	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	40	13.79	0.00513 1	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	50	9.97	0.00371 0	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-30	14.55	0.00582 3	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-20	12.30	0.00492 3	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-10	12.60	0.00504 3	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	0	13.22	0.00529 1	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	10	15.64	0.00626 0	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	20	9.43	0.00377 4	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	30	11.30	0.00452 3	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	40	10.60	0.00424	±2.5	PASS

								3		
Band41	5MHz	16QAM	39675	25RB#0	NV	50	11.59	0.00463 9	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-30	15.51	0.00598 1	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-20	19.35	0.00746 2	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-10	14.48	0.00558 4	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	0	15.25	0.00588 1	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	10	12.99	0.00501 0	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	20	17.31	0.00667 6	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	30	21.83	0.00841 9	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	40	24.15	0.00931 4	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	50	17.67	0.00681 5	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-30	9.64	0.00358 7	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-20	8.14	0.00302 9	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-10	10.71	0.00398 5	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	0	10.61	0.00394 8	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	10	7.82	0.00291 0	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	20	9.87	0.00367 3	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	30	9.88	0.00367 6	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	40	10.91	0.00406 0	±2.5	PASS

Band41	5MHz	16QAM	41565	25RB#0	NV	50	7.77	0.00289 1	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-30	15.44	0.00617 4	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-20	19.03	0.00760 9	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-10	19.44	0.00777 3	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	0	21.09	0.00843 3	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	10	17.82	0.00712 5	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	20	18.24	0.00729 3	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	30	13.98	0.00559 0	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	40	18.18	0.00726 9	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	50	17.77	0.00710 5	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-30	10.51	0.00405 3	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-20	10.19	0.00393 0	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-10	19.57	0.00754 7	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	0	15.41	0.00594 3	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	10	16.06	0.00619 4	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	20	9.48	0.00365 6	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	30	9.87	0.00380 6	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	40	11.99	0.00462 4	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	50	11.50	0.00443	±2.5	PASS

								5		
Band41	10MHz	QPSK	41540	50RB#0	NV	-30	5.97	0.00222 3	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-20	5.21	0.00194 0	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-10	-8.74	-0.0032 55	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	0	8.00	0.00298 0	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	10	7.57	0.00281 9	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	20	-7.70	-0.0028 68	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	30	-7.90	-0.0029 42	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	40	15.28	0.00569 1	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	50	10.73	0.00399 6	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	-30	16.84	0.00673 3	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	-20	19.34	0.00773 3	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	-10	13.80	0.00551 8	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	0	21.94	0.00877 2	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	10	17.85	0.00713 7	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	20	19.50	0.00779 7	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	30	17.24	0.00689 3	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	40	11.82	0.00472 6	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	50	19.23	0.00768 9	±2.5	PASS

Band41	10MHz	16QAM	40620	50RB#0	NV	-30	16.32	0.00629 4	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	-20	17.19	0.00662 9	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	-10	14.36	0.00553 8	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	0	11.29	0.00435 4	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	10	18.24	0.00703 4	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	20	12.63	0.00487 1	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	30	13.19	0.00508 7	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	40	15.39	0.00593 5	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	50	8.58	0.00330 9	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	-30	-9.98	-0.0037 17	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	-20	-7.81	-0.0029 09	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	-10	12.13	0.00451 8	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	0	-6.91	-0.0025 74	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	10	-8.03	-0.0029 91	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	20	7.64	0.00284 5	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	30	5.12	0.00190 7	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	40	-6.62	-0.0024 66	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	50	6.95	0.00258 8	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-30	-13.05	-0.0052	±2.5	PASS

								13		
Band41	15MHz	QPSK	39725	75RB#0	NV	-20	-9.20	-0.0036 75	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-10	-6.59	-0.0026 32	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	0	-6.31	-0.0025 20	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	10	4.43	0.00177 0	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	20	5.94	0.00237 3	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	30	-7.91	-0.0031 60	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	40	-4.11	-0.0016 42	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	50	-6.81	-0.0027 20	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-30	16.48	0.00635 6	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-20	12.12	0.00467 4	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-10	14.63	0.00564 2	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	0	12.62	0.00486 7	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	10	10.77	0.00415 3	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	20	14.10	0.00543 8	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	30	15.42	0.00594 7	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	40	15.86	0.00611 6	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	50	14.59	0.00562 7	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-30	14.32	0.00533 8	±2.5	PASS

Band41	15MHz	QPSK	41515	75RB#0	NV	-20	11.01	0.00410 4	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-10	13.55	0.00505 1	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	0	16.35	0.00609 5	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	10	15.56	0.00580 1	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	20	11.29	0.00420 9	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	30	11.82	0.00440 6	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	40	14.16	0.00527 9	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	50	14.15	0.00527 5	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	-30	-8.53	-0.0034 07	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	-20	-6.81	-0.0027 20	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	-10	-10.07	-0.0040 22	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	0	-5.62	-0.0022 45	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	10	7.14	0.00285 2	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	20	10.49	0.00419 0	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	30	-10.13	-0.0040 46	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	40	15.55	0.00621 1	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	50	9.93	0.00396 6	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	-30	14.58	0.00562 3	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	-20	15.64	0.00603	±2.5	PASS

								2		
Band41	15MHz	16QAM	40620	75RB#0	NV	-10	15.39	0.00593 5	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	0	15.11	0.00582 7	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	10	15.19	0.00585 8	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	20	12.89	0.00497 1	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	30	16.89	0.00651 4	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	40	17.22	0.00664 1	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	50	18.07	0.00696 9	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	-30	9.07	0.00338 1	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	-20	18.64	0.00694 9	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	-10	8.23	0.00306 8	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	0	10.33	0.00385 1	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	10	14.03	0.00523 0	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	20	15.99	0.00596 1	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	30	9.26	0.00345 2	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	40	8.94	0.00333 3	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	50	9.64	0.00359 4	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	12.80	0.00510 8	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	18.32	0.00731 0	±2.5	PASS

Band41	20MHz	QPSK	39750	100RB#0	NV	-10	15.76	0.00628 9	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	13.99	0.00558 3	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	18.57	0.00741 0	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	13.10	0.00522 7	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	16.72	0.00667 2	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	15.44	0.00616 1	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	17.68	0.00705 5	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	9.08	0.00350 2	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	15.09	0.00582 0	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	14.42	0.00556 1	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	15.46	0.00596 2	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	15.31	0.00590 4	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	15.39	0.00593 5	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	12.82	0.00494 4	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	17.95	0.00692 2	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	11.06	0.00426 5	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	12.93	0.00482 5	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	9.70	0.00361 9	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	7.64	0.00285	±2.5	PASS

								1		
Band41	20MHz	QPSK	41490	100RB#0	NV	0	13.88	0.00517 9	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	7.58	0.00282 8	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	12.50	0.00466 4	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	11.47	0.00428 0	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	12.57	0.00469 0	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	14.12	0.00526 9	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	19.66	0.00784 5	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	16.75	0.00668 4	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-10	12.80	0.00510 8	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	18.11	0.00722 7	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	18.01	0.00718 7	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	16.45	0.00656 4	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	11.97	0.00477 7	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	13.96	0.00557 1	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	14.78	0.00589 8	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	15.99	0.00616 7	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	12.86	0.00496 0	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-10	13.93	0.00537 2	±2.5	PASS

Band41	20MHz	16QAM	40620	100RB#0	NV	0	12.55	0.00484 0	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	17.04	0.00657 2	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	8.78	0.00338 6	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	12.99	0.00501 0	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	12.60	0.00485 9	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	15.51	0.00598 1	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-30	9.01	0.00336 2	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	13.18	0.00491 8	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-10	6.81	0.00254 1	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	10.24	0.00382 1	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	16.34	0.00609 7	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	8.74	0.00326 1	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	14.15	0.00528 0	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	17.94	0.00669 4	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	11.07	0.00413 1	±2.5	PASS