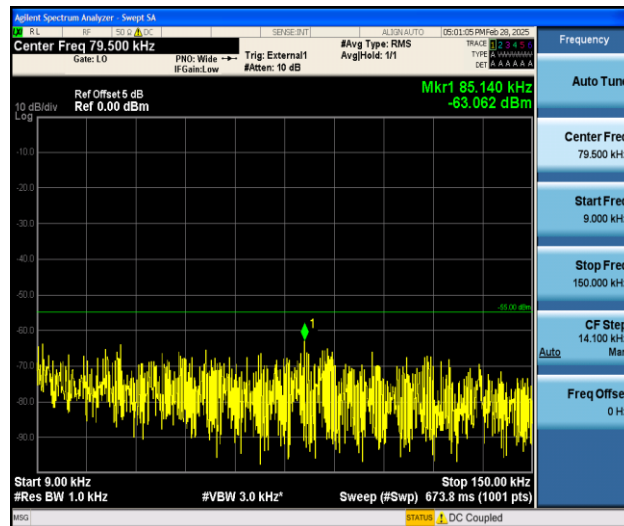
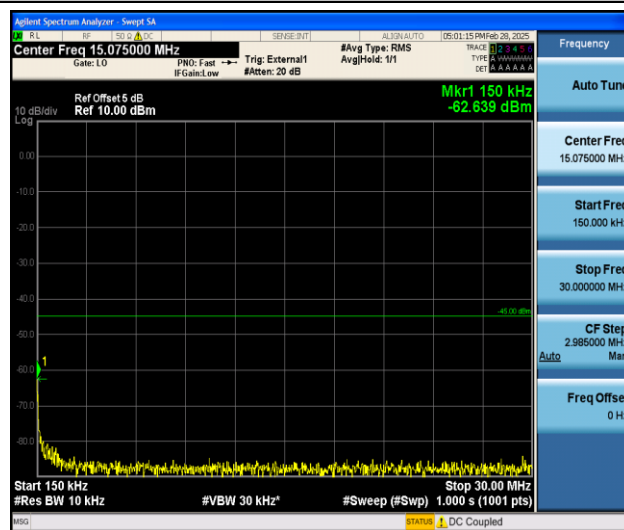




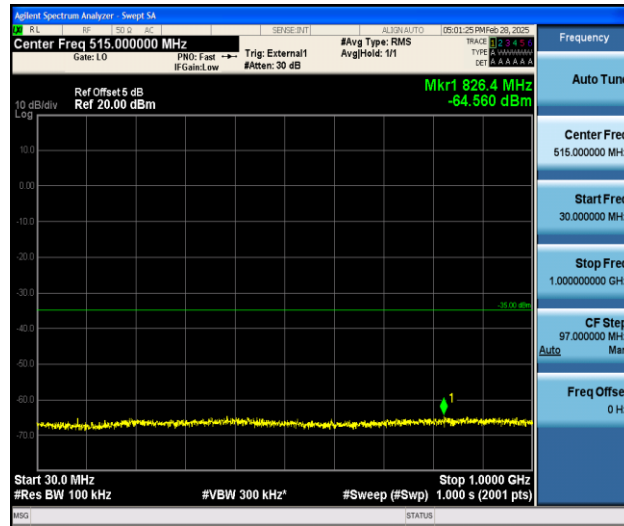
Band41_20MHz_QPSK_41490_1RB#0_20000~27000_20000~27000



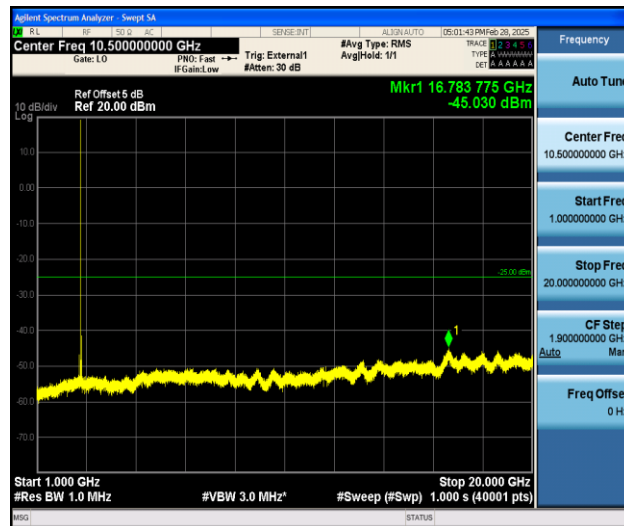
Band41_20MHz_16QAM_41490_1RB#0_0.009~0.15_0.009~0.15



Band41_20MHz_16QAM_41490_1RB#0_0.15~30_0.15~30



Band41_20MHz_16QAM_41490_1RB#0_30~1000_30~1000



Band41_20MHz_16QAM_41490_1RB#0_1000~20000_1000~20000



Band41_20MHz_16QAM_41490_1RB#0_20000~27000_20000~27000

6. Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band41	5MHz	QPSK	39675	25RB#0	VN	NT	21.74	0.008701	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	VL	NT	-26.55	-0.010626	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	VH	NT	-31.56	-0.012632	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	VN	NT	-33.19	-0.013284	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	VL	NT	-24.96	-0.009990	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	VH	NT	14.82	0.005932	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	VN	NT	22.16	0.008546	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	VL	NT	20.60	0.007944	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	VH	NT	22.20	0.008562	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	VN	NT	15.82	0.006101	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	VL	NT	21.04	0.008114	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	VH	NT	20.51	0.007910	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	VN	NT	25.63	0.009537	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	VL	NT	21.36	0.007948	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	VH	NT	22.02	0.008193	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	VN	NT	7.68	0.002858	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	VL	NT	24.66	0.009176	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	VH	NT	22.13	0.008234	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VN	NT	22.00	0.008796	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VL	NT	-5.82	-0.002327	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VH	NT	-21.26	-0.008501	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VN	NT	26.21	0.010108	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VL	NT	16.29	0.006282	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VH	NT	24.06	0.009279	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VN	NT	22.72	0.008462	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VL	NT	19.84	0.007389	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VH	NT	22.09	0.008227	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	VN	NT	-26.16	-0.010449	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	VL	NT	22.53	0.008999	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	VH	NT	18.83	0.007521	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	VN	NT	-31.84	-0.012279	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	VL	NT	-25.58	-0.009865	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	VH	NT	-28.20	-0.010875	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	VN	NT	-30.11	-0.011225	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	VL	NT	-21.67	-0.008078	±2.5	PASS

Band41	15MHz	QPSK	41515	75RB#0	VH	NT	-3.93	-0.001465	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	-25.32	-0.010104	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	22.72	0.009066	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	21.60	0.008619	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-29.63	-0.011427	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-29.07	-0.011211	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-29.81	-0.011496	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	-29.44	-0.010985	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	-20.61	-0.007690	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	11.54	0.004306	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	NV	-30	-26.21	-0.010490	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-20	-27.25	-0.010907	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-10	-30.40	-0.012167	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	0	-22.77	-0.009113	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	10	-27.09	-0.010843	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	20	-26.04	-0.010422	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	30	-28.41	-0.011371	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	40	-24.19	-0.009682	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	50	13.13	0.005255	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-30	20.40	0.008165	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-20	19.63	0.007857	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-10	23.92	0.009574	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	0	17.15	0.006864	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	10	15.46	0.006188	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	20	8.43	0.003374	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	30	-30.66	-0.012271	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	40	22.22	0.008893	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	50	17.98	0.007196	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-30	17.81	0.006868	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-20	-15.64	-0.006032	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-10	-28.61	-0.011034	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	0	20.96	0.008083	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	10	17.80	0.006865	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	20	-25.86	-0.009973	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	30	-16.28	-0.006278	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	40	-28.72	-0.011076	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	50	-25.45	-0.009815	±2.5	PASS

Band41	5MHz	16QAM	40620	25RB#0	NV	-30	20.91	0.008064	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-20	20.13	0.007763	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-10	17.47	0.006737	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	0	22.37	0.008627	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	10	23.03	0.008882	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	20	18.63	0.007185	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	30	28.47	0.010980	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	40	11.37	0.004385	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	50	-20.99	-0.008095	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-30	20.87	0.007766	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-20	20.00	0.007442	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-10	11.30	0.004205	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	0	-27.25	-0.010140	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	10	-24.20	-0.009005	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	20	-13.89	-0.005168	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	30	21.62	0.008045	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	40	23.70	0.008819	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	50	7.71	0.002869	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-30	28.22	0.010500	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-20	22.57	0.008398	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-10	21.49	0.007996	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	0	23.65	0.008800	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	10	23.23	0.008644	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	20	-11.66	-0.004339	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	30	22.32	0.008305	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	40	14.35	0.005340	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	50	25.36	0.009436	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-30	-24.02	-0.009604	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-20	-31.10	-0.012435	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-10	-9.56	-0.003822	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	0	-13.09	-0.005234	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	10	-30.66	-0.012259	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	20	-27.95	-0.011176	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	30	-13.92	-0.005566	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	40	11.04	0.004414	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	50	-30.26	-0.012099	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-30	7.67	0.002958	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-20	5.66	0.002183	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-10	21.97	0.008473	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	0	16.65	0.006421	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	10	16.92	0.006525	±2.5	PASS

Band41	10MHz	QPSK	40620	50RB#0	NV	20	22.72	0.008762	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	30	21.09	0.008133	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	40	24.81	0.009568	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	50	13.00	0.005013	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-30	17.74	0.006607	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-20	20.21	0.007527	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-10	12.85	0.004786	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	0	-26.54	-0.009885	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	10	22.37	0.008331	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	20	17.05	0.006350	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	30	-17.25	-0.006425	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	40	-26.95	-0.010037	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	50	-27.72	-0.010324	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-30	26.06	0.010409	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-20	22.90	0.009147	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-10	23.60	0.009427	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	0	19.41	0.007753	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	10	25.98	0.010377	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	20	17.92	0.007158	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	30	22.09	0.008824	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	40	12.10	0.004833	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	50	20.43	0.008161	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-30	-26.06	-0.010050	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-20	-21.49	-0.008288	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-10	-19.28	-0.007435	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	0	-10.83	-0.004177	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	10	6.55	0.002526	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	20	20.08	0.007744	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	30	20.70	0.007983	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	40	20.46	0.007890	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	50	13.23	0.005102	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-30	22.76	0.008485	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-20	21.37	0.007966	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-10	21.36	0.007963	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	0	12.67	0.004723	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	10	23.70	0.008835	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	20	23.55	0.008779	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	30	25.75	0.009599	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	40	25.09	0.009353	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	50	21.21	0.007907	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	25.65	0.010235	±2.5	PASS

Band41	20MHz	QPSK	39750	100RB#0	NV	-20	25.36	0.010120	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	23.50	0.009377	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	27.42	0.010942	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	25.98	0.010367	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	26.56	0.010599	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	25.98	0.010367	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	24.79	0.009892	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	24.46	0.009761	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-24.85	-0.009583	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-25.39	-0.009792	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-22.02	-0.008492	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-26.46	-0.010204	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-26.56	-0.010243	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-20.07	-0.007740	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-25.58	-0.009865	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-27.55	-0.010625	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-18.93	-0.007300	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	24.02	0.008963	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	19.40	0.007239	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	21.79	0.008131	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	23.07	0.008608	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	23.03	0.008593	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	22.96	0.008567	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	20.51	0.007653	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	22.42	0.008366	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	23.19	0.008653	±2.5	PASS