



Band7-20MHz-16QAM-21100-1RB#0-Range5:3000~26500MHz



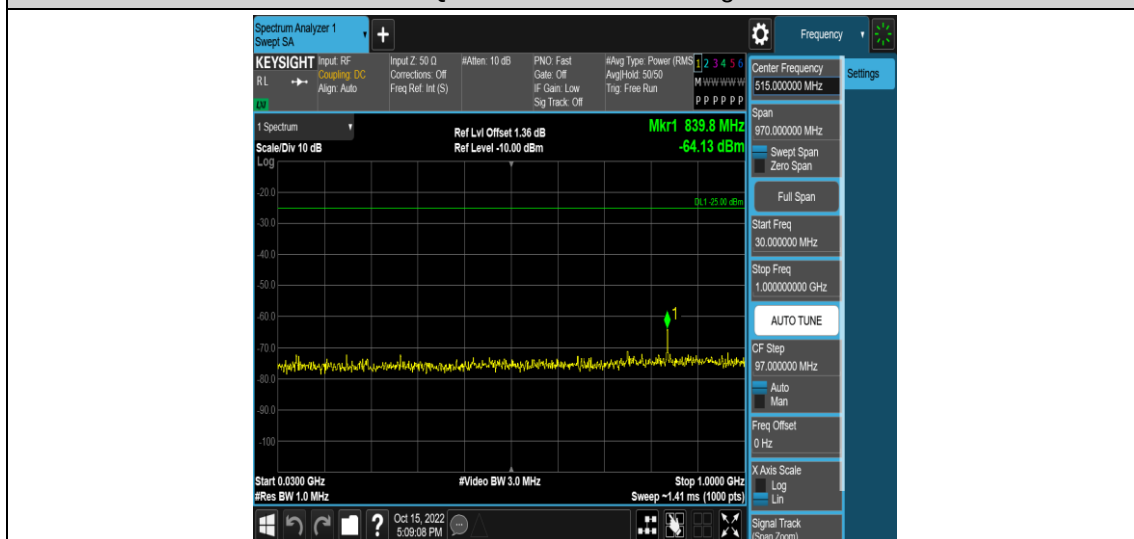
Band7-20MHz-16QAM-21350-1RB#0-Range1:0.009~0.15MHz



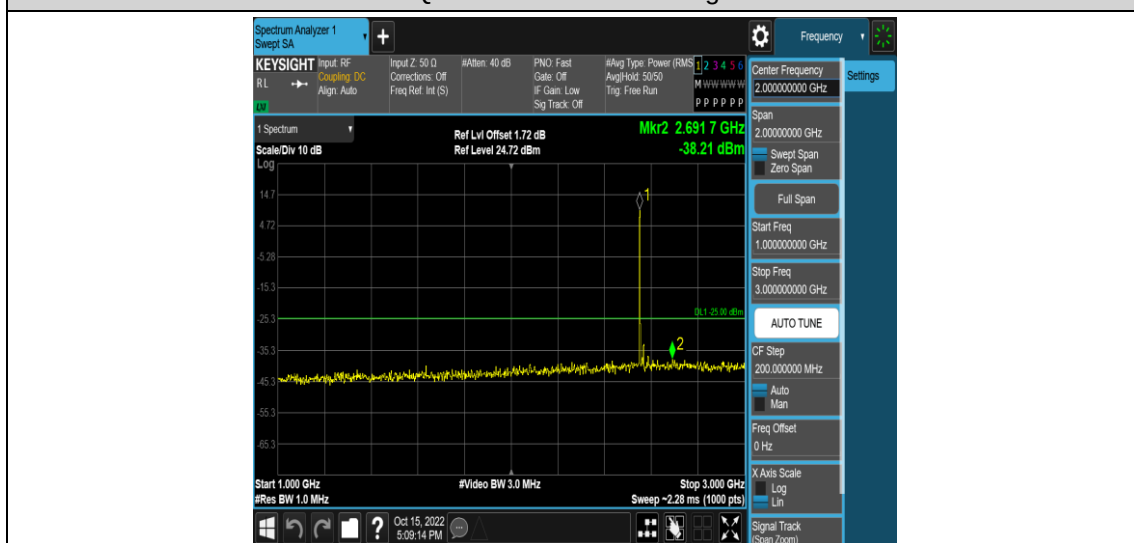
Band7-20MHz-16QAM-21350-1RB#0-Range2:0.15~30MHz



Band7-20MHz-16QAM-21350-1RB#0-Range3:30~1000MHz



Band7-20MHz-16QAM-21350-1RB#0-Range4:1000~3000MHz



Band7-20MHz-16QAM-21350-1RB#0-Range5:3000~26500MHz



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	7.88	0.003149	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	-14.33	-0.005726	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	-13.40	-0.005355	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	5.88	0.002320	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	15.58	0.006146	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	9.23	0.003641	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	-10.30	-0.004012	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	14.49	0.005644	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	-8.61	-0.003353	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	-8.91	-0.003560	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	-17.11	-0.006837	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	-13.85	-0.005534	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	-3.48	-0.001373	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	8.61	0.003396	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	5.04	0.001988	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	-13.13	-0.005114	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	-6.69	-0.002606	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	6.17	0.002403	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-10.11	-0.004036	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-7.84	-0.003130	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	-16.64	-0.006643	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	-15.76	-0.006217	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	-9.47	-0.003736	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	-11.12	-0.004387	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	6.71	0.002616	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	13.59	0.005298	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	-6.92	-0.002698	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VL	NT	-18.83	-0.007517	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VN	NT	-6.22	-0.002483	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VH	NT	-19.34	-0.007721	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VL	NT	-17.57	-0.006931	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VN	NT	-13.86	-0.005467	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VH	NT	-7.84	-0.003093	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VL	NT	-7.97	-0.003107	±2.5	PASS

Band7	10MHz	16QAM	21400	50RB#0	VN	NT	-10.91	-0.004253	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VH	NT	-5.48	-0.002136	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	-11.19	-0.004463	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	-7.70	-0.003071	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	-10.69	-0.004263	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	-17.14	-0.006761	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	-8.24	-0.003250	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	-13.92	-0.005491	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	-10.27	-0.004008	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	10.40	0.004059	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	-11.67	-0.004554	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VL	NT	8.00	0.003190	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VN	NT	-10.97	-0.004375	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VH	NT	4.55	0.001815	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VL	NT	-12.90	-0.005089	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VN	NT	-7.67	-0.003026	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VH	NT	8.17	0.003223	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VL	NT	-8.57	-0.003344	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VN	NT	-13.89	-0.005420	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VH	NT	-10.34	-0.004035	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-7.44	-0.002964	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-9.17	-0.003653	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-10.89	-0.004339	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-10.61	-0.004185	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-8.18	-0.003227	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-13.05	-0.005148	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-16.97	-0.006629	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-17.84	-0.006969	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-19.91	-0.007777	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-12.25	-0.004880	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-6.61	-0.002633	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-9.33	-0.003717	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-8.67	-0.003420	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-13.30	-0.005247	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-3.60	-0.001420	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-12.02	-0.004695	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-14.38	-0.005617	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	6.85	0.002676	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	6.38	0.002549	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	3.68	0.001471	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	-2.70	-0.001079	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	-7.91	-0.003161	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	-3.71	-0.001483	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	-9.81	-0.003870	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	-6.41	-0.002529	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	6.97	0.002750	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	6.42	0.002533	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	-8.63	-0.003404	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	-9.84	-0.003833	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	-5.29	-0.002060	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	-9.48	-0.003692	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	-7.10	-0.002765	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	-13.46	-0.005242	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	-3.83	-0.001530	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	11.39	0.004551	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	5.61	0.002242	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	6.51	0.002601	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	-6.65	-0.002657	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	-10.83	-0.004272	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	-10.04	-0.003961	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	5.69	0.002245	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	13.90	0.005483	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	-6.71	-0.002647	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	-15.26	-0.005944	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	-10.06	-0.003918	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	-13.32	-0.005188	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	-13.45	-0.005239	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	-10.53	-0.004101	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	-26.12	-0.010427	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	-17.57	-0.007014	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	-14.81	-0.005912	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	-11.99	-0.004786	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	-13.23	-0.005281	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	-12.76	-0.005034	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-10.96	-0.004323	±2.5	PASS

Band7	10MHz	QPSK	21100	50RB#0	NV	0	-13.52	-0.005333	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	-12.63	-0.004982	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-14.03	-0.005535	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	9.03	0.003520	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-12.30	-0.004795	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	8.27	0.003224	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	-9.33	-0.003637	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-7.85	-0.003060	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-30	-6.51	-0.002599	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-20	-9.90	-0.003952	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	0	-8.43	-0.003365	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	10	-11.66	-0.004655	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	20	-8.50	-0.003393	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-30	-14.72	-0.005807	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-20	-14.39	-0.005677	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	0	-8.34	-0.003290	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	10	-8.96	-0.003535	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	20	-23.20	-0.009152	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-30	-8.97	-0.003497	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-20	-7.60	-0.002963	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	0	-11.27	-0.004394	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	10	-10.96	-0.004273	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	20	-9.51	-0.003708	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	-14.71	-0.005866	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	-8.07	-0.003218	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	-10.30	-0.004108	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	13.83	0.005515	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	-9.87	-0.003936	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	-10.24	-0.004039	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	-14.39	-0.005677	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-14.06	-0.005546	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-21.54	-0.008497	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	-16.95	-0.006686	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	-14.15	-0.005522	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	-10.61	-0.004140	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-10.06	-0.003926	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	-6.44	-0.002513	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	-9.13	-0.003563	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-30	7.52	0.002999	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-20	-6.59	-0.002628	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	0	-7.80	-0.003111	±2.5	PASS

Band7	15MHz	16QAM	20825	75RB#0	NV	10	6.38	0.002544	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	20	-18.73	-0.007470	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-30	-13.13	-0.005179	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-20	-7.97	-0.003144	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	0	-15.28	-0.006028	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	10	-14.23	-0.005613	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	20	-13.23	-0.005219	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-30	-9.11	-0.003555	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-20	-6.67	-0.002603	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	0	-5.51	-0.002150	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	10	-9.41	-0.003672	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	20	-12.83	-0.005007	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-10.57	-0.004211	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-9.78	-0.003896	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-8.51	-0.003390	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-12.00	-0.004781	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	10.39	0.004139	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-8.15	-0.003215	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-8.61	-0.003396	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-11.26	-0.004442	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-12.40	-0.004892	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-17.01	-0.006710	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-16.31	-0.006371	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-14.41	-0.005629	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-11.84	-0.004625	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-12.72	-0.004969	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-3.72	-0.001453	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-7.58	-0.003020	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-7.51	-0.002992	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-13.32	-0.005307	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-14.58	-0.005809	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-13.85	-0.005518	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-11.96	-0.004718	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-15.62	-0.006162	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-13.43	-0.005298	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-6.74	-0.002659	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-15.09	-0.005953	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-14.61	-0.005707	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-13.18	-0.005148	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-11.79	-0.004605	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-14.42	-0.005633	±2.5	PASS

Band7	20MHz	16QAM	21350	100RB#0	NV	20	-10.96	-0.004281	±2.5	PASS
-------	-------	-------	-------	---------	----	----	--------	-----------	------	------