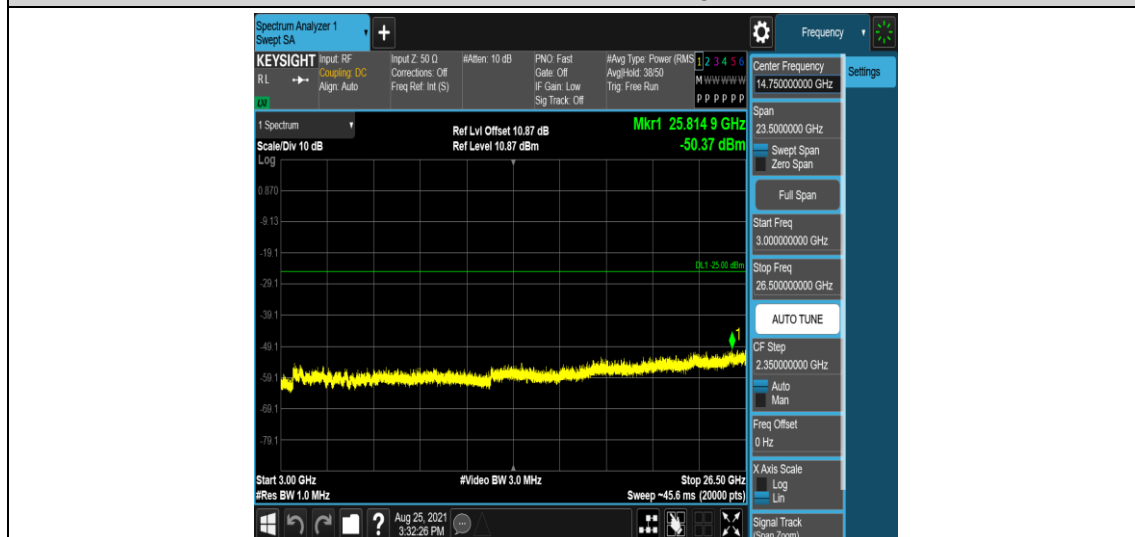




Band7-20MHz-16QAM-21100-1RB#0-Range5:3000~26500MHz



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



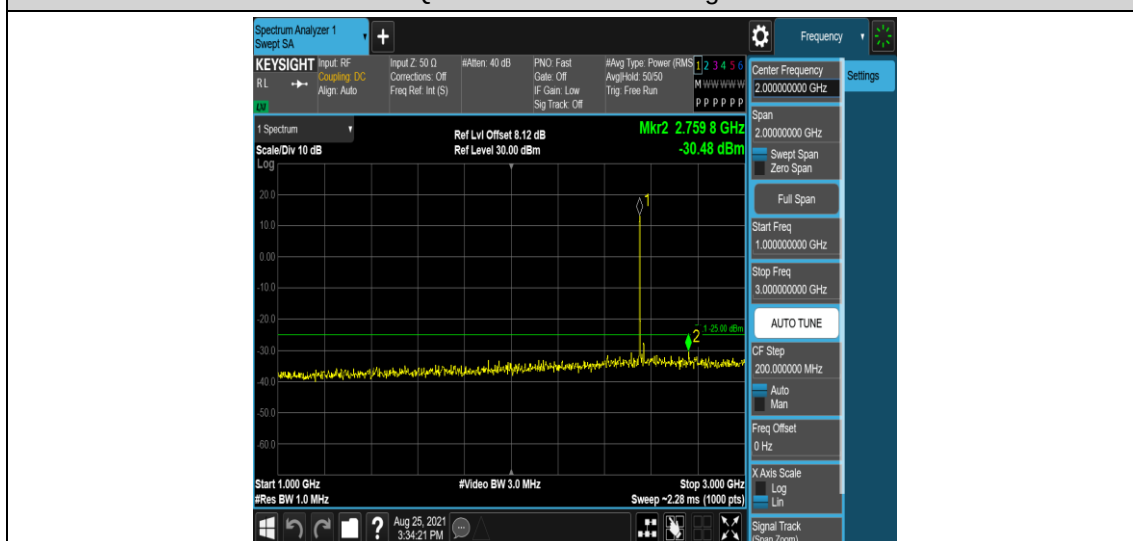
Band7-20MHz-16QAM-21350-1RB#0-Range2:0.15~30MHz



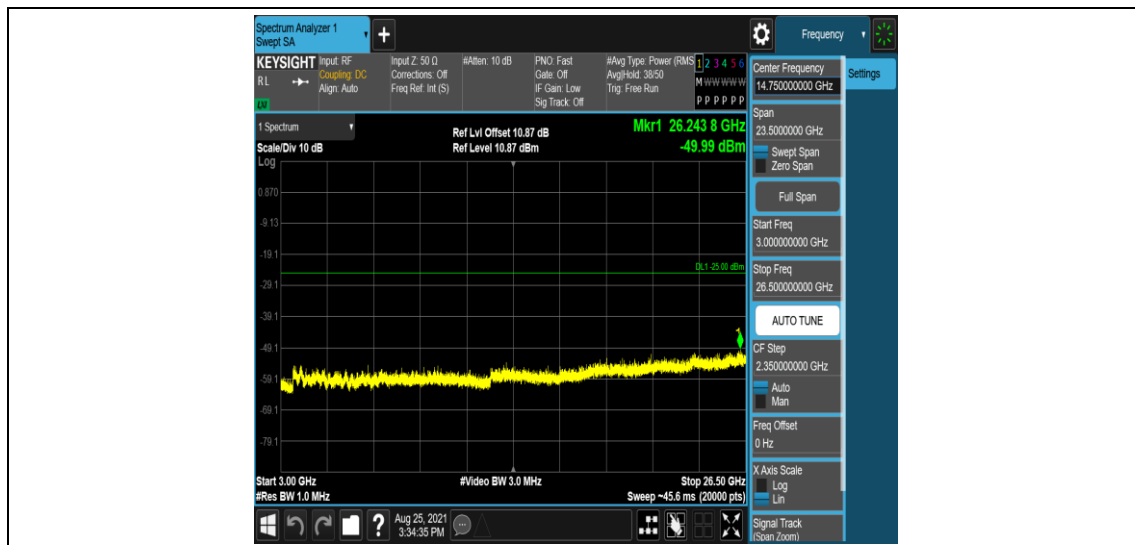
Band7-20MHz-16QAM-21350-1RB#0-Range3:30~1000MHz



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	-22.22	-0.008879	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	-19.77	-0.007900	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	-7.67	-0.003065	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	8.11	0.003199	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-23.13	-0.009124	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	-26.04	-0.010272	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	-23.43	-0.009126	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	-27.07	-0.010543	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	5.34	0.002080	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	7.02	0.002805	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	-23.56	-0.009415	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	-25.76	-0.010294	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	-28.57	-0.011270	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	-19.28	-0.007606	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	-31.11	-0.012272	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	7.61	0.002964	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	-8.44	-0.003287	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	8.50	0.003311	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-16.12	-0.006435	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-24.99	-0.009976	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	-10.09	-0.004028	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	-18.78	-0.007408	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	-13.46	-0.005310	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	15.06	0.005941	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	-13.62	-0.005310	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	-11.00	-0.004288	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	-16.15	-0.006296	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VL	NT	12.03	0.004802	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VN	NT	-11.76	-0.004695	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VH	NT	-15.36	-0.006132	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VL	NT	-24.66	-0.009728	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VN	NT	-9.30	-0.003669	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VH	NT	-15.76	-0.006217	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VL	NT	12.45	0.004854	±2.5	PASS

Band7	10MHz	16QAM	21400	50RB#0	VN	NT	-8.40	-0.003275	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VH	NT	-4.29	-0.001673	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	-18.32	-0.007306	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	-29.65	-0.011825	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	-11.10	-0.004427	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	-15.46	-0.006099	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	-16.35	-0.006450	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	4.02	0.001586	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	-10.76	-0.004199	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	-18.24	-0.007118	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	14.78	0.005768	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VL	NT	-10.57	-0.004215	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VN	NT	-15.21	-0.006066	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VH	NT	-12.62	-0.005033	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VL	NT	-16.48	-0.006501	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VN	NT	-11.36	-0.004481	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VH	NT	-19.25	-0.007594	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VL	NT	12.52	0.004886	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VN	NT	12.03	0.004695	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VH	NT	-52.81	-0.020609	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	14.73	0.005869	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-18.57	-0.007398	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	11.47	0.004570	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-16.91	-0.006671	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-12.09	-0.004769	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-17.22	-0.006793	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	15.86	0.006195	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-19.53	-0.007629	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-16.06	-0.006273	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-8.28	-0.003299	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-14.93	-0.005948	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-14.88	-0.005928	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-13.98	-0.005515	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-13.89	-0.005479	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-15.45	-0.006095	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-25.81	-0.010082	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-14.71	-0.005746	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-8.73	-0.003410	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

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					[Vdc]	(°C)				
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	-21.92	-0.008759	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	-25.09	-0.010026	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	-9.53	-0.003808	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	-4.62	-0.001846	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	13.28	0.005307	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	-19.97	-0.007878	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	6.54	0.002580	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	-28.47	-0.011231	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	-19.81	-0.007815	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	-13.13	-0.005179	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	274.63	0.106964	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	-4.86	-0.001893	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	3.46	0.001348	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	-7.94	-0.003093	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	-8.55	-0.003330	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	-9.14	-0.003652	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	-75.45	-0.030150	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	-10.94	-0.004372	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	-12.27	-0.004903	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	-55.80	-0.022298	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	-27.08	-0.010682	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	-13.93	-0.005495	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	-4.89	-0.001929	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	-19.37	-0.007641	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	-25.69	-0.010134	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	6.39	0.002489	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	-8.18	-0.003186	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	-10.31	-0.004016	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	-24.13	-0.009398	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	-12.13	-0.004724	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	14.28	0.005701	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	-7.93	-0.003166	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	-12.50	-0.004990	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	-8.45	-0.003373	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	-5.84	-0.002331	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	-10.09	-0.003980	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-10.06	-0.003968	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	-20.26	-0.007992	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	-22.03	-0.008690	±2.5	PASS

Band7	10MHz	QPSK	21100	50RB#0	NV	20	-17.77	-0.007010	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-19.21	-0.007489	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-10.77	-0.004199	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-11.30	-0.004405	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	-19.91	-0.007762	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-8.96	-0.003493	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-30	-10.59	-0.004228	±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	11.06	0.004415	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	10	-17.11	-0.006830	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	20	-24.00	-0.009581	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-30	-22.63	-0.008927	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-20	-21.10	-0.008323	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	0	11.56	0.004560	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	10	-10.39	-0.004099	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	20	-20.69	-0.008162	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-30	-8.04	-0.003135	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-20	-11.36	-0.004429	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	0	5.04	0.001965	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	10	-17.85	-0.006959	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	20	-10.31	-0.004019	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	-9.01	-0.003593	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	7.57	0.003019	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	-8.58	-0.003422	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	-6.57	-0.002620	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	4.85	0.001934	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	9.03	0.003562	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	-10.84	-0.004276	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-17.91	-0.007065	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-18.10	-0.007140	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	-18.80	-0.007416	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	17.91	0.006989	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	3.92	0.001530	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-7.01	-0.002736	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	13.32	0.005198	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	-10.49	-0.004094	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-30	-13.50	-0.005384	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-20	-11.90	-0.004746	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	0	-4.55	-0.001815	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	10	-16.38	-0.006532	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	20	-10.63	-0.004239	±2.5	PASS

Band7	15MHz	16QAM	21100	75RB#0	NV	-30	-12.06	-0.004757	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-20	-20.28	-0.008000	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	0	-12.26	-0.004836	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	10	-11.37	-0.004485	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	20	406.92	0.160521	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-30	-13.69	-0.005342	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-20	-15.44	-0.006025	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	0	-16.51	-0.006443	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	10	2.60	0.001015	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	20	-4.88	-0.001904	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-6.87	-0.002737	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-5.15	-0.002052	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-2.26	-0.000900	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-8.38	-0.003339	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	9.50	0.003785	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-12.66	-0.004994	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-16.31	-0.006434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-16.71	-0.006592	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-9.98	-0.003937	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-11.22	-0.004426	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-15.49	-0.006051	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-12.90	-0.005039	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-13.59	-0.005309	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-6.04	-0.002359	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-21.69	-0.008473	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	11.04	0.004398	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-15.59	-0.006211	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-4.22	-0.001681	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-10.59	-0.004219	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-13.43	-0.005351	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-11.57	-0.004564	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-17.09	-0.006742	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-13.10	-0.005168	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-17.14	-0.006761	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-11.06	-0.004363	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-7.32	-0.002859	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-18.17	-0.007098	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-12.59	-0.004918	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	86.72	0.033875	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	5.38	0.002102	±2.5	PASS